

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060519\
 Data File : VD062617.D
 Acq On : 5 Jun 2019 17:41
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060519

Manual Integrations
 APPROVED

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 6/6/2019 12:21:40 PM

Quant Time: Jun 06 05:55:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 06 05:42:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	825766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	1117862	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	937780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	517115	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	559588	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
35) Dibromofluoromethane	6.94	113	567650	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
50) Toluene-d8	10.42	98	1264485	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
62) 4-Bromofluorobenzene	13.56	95	570729	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	410432	44.499	ug/l	97
3) Chloromethane	1.75	50	347269	43.545	ug/l	99
4) Vinyl Chloride	1.86	62	385243	49.266	ug/l	96
5) Bromomethane	2.16	94	204689	51.887	ug/l	96
6) Chloroethane	2.28	64	200834	50.920	ug/l	95
7) Trichlorofluoromethane	2.54	101	858727	49.222	ug/l	98
8) Diethyl Ether	2.88	74	124256	54.805	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.16	101	486534	49.604	ug/l	96
10) Methyl Iodide	3.31	142	646951	51.532	ug/l	95
11) Tert butyl alcohol	4.09	59	124047	244.728	ug/l #	90
12) 1,1-Dichloroethene	3.14	96	347688	48.317	ug/l	83
13) Acrolein	3.05	56	41538	231.742	ug/l	98
14) Allyl chloride	3.63	41	572790	52.284	ug/l	96
15) Acrylonitrile	4.21	53	274958	248.838	ug/l #	83
16) Acetone	3.24	43	571775	281.067	ug/l #	90
17) Carbon Disulfide	3.38	76	1105763	52.739	ug/l	95
18) Methyl Acetate	3.65	43	167902	46.420	ug/l	97
19) Methyl tert-butyl Ether	4.26	73	861435	49.422	ug/l	97
20) Methylene Chloride	3.83	84	359460	45.402	ug/l	95
21) trans-1,2-Dichloroethene	4.23	96	395033	50.446	ug/l	97
22) Diisopropyl ether	5.14	45	1161536	50.190	ug/l	99
23) Vinyl Acetate	5.08	43	3768296	267.162	ug/l	99
24) 1,1-Dichloroethane	5.00	63	741643	50.863	ug/l	99
25) 2-Butanone	6.09	43	523299	270.801	ug/l	96
26) 2,2-Dichloropropane	6.04	77	839289	52.686	ug/l	94
27) cis-1,2-Dichloroethene	6.05	96	430353	50.965	ug/l	92
28) Bromochloromethane	6.45	49	317995	57.642	ug/l	95
29) Tetrahydrofuran	6.48	42	225188	251.033	ug/l	96
30) Chloroform	6.68	83	922593	50.873	ug/l	95
31) Cyclohexane	6.97	56	504579	54.132	ug/l	96
32) 1,1,1-Trichloroethane	6.89	97	935723	50.974	ug/l	98
36) 1,1-Dichloropropene	7.16	75	597740	49.734	ug/l	96
37) Ethyl Acetate	6.20	43	245511	50.620	ug/l	96
38) Carbon Tetrachloride	7.12	117	918505m	50.918	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	512997	49.923	ug/l	98
40) Benzene	7.47	78	1162449	48.970	ug/l	100
41) Methacrylonitrile	6.46	41	325275	51.788	ug/l	98
42) 1,2-Dichloroethane	7.60	62	702740	50.295	ug/l	100
43) Isopropyl Acetate	9.25	43	352068	52.814	ug/l	100
44) Trichloroethene	8.55	130	478933	49.753	ug/l	98
45) 1,2-Dichloropropane	8.96	63	301096	50.655	ug/l	91
46) Dibromomethane	9.07	93	259317	50.146	ug/l	99
47) Bromodichloromethane	9.39	83	722690	51.885	ug/l	97
48) Methyl methacrylate	9.13	41	223526	49.305	ug/l	93
49) 1,4-Dioxane	9.09	88	36064	1002.342	ug/l #	92
51) 4-Methyl-2-Pentanone	10.31	43	1173372	270.323	ug/l	98
52) Toluene	10.52	92	826947	52.522	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	627637	54.270	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	644598	54.733	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	259649	48.068	ug/l	99
56) Ethyl methacrylate	11.05	69	305702	50.780	ug/l	96
57) 1,3-Dichloropropane	11.42	76	442701	52.493	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	682965	221.190	ug/l	97
59) 2-Hexanone	11.54	43	852024	258.874	ug/l	95
60) Dibromochloromethane	11.69	129	546732	51.799	ug/l	96
61) 1,2-Dibromoethane	11.82	107	346127	52.318	ug/l	100
64) Tetrachloroethene	11.27	164	427871	50.520	ug/l	97
65) Chlorobenzene	12.41	112	1000627	51.350	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	473336	50.532	ug/l	98
67) Ethyl Benzene	12.53	91	1783157	50.629	ug/l	98
68) m/p-Xylenes	12.68	106	1249263	101.688	ug/l	95
69) o-Xylene	13.06	106	578447	48.868	ug/l	100
70) Styrene	13.08	104	1054738	53.040	ug/l	99
71) Bromoform	13.25	173	330022	51.011	ug/l #	95
73) Isopropylbenzene	13.41	105	1833652	50.996	ug/l	97
74) N-amyl acetate	13.28	43	472391	50.880	ug/l	92
75) 1,1,2,2-Tetrachloroethane	13.71	83	310183	51.461	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	337056	49.967	ug/l	98
77) Bromobenzene	13.68	156	517920	51.785	ug/l	84
78) n-propylbenzene	13.78	91	2014777	48.316	ug/l	99
79) 2-Chlorotoluene	13.85	91	1279540	50.612	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	1605419	51.880	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	98901	57.039	ug/l	87
82) 4-Chlorotoluene	13.96	91	1564768	52.598	ug/l	97
83) tert-Butylbenzene	14.20	119	1775715	52.113	ug/l	88
84) 1,2,4-Trimethylbenzene	14.24	105	1585306	50.051	ug/l	100
85) sec-Butylbenzene	14.38	105	1916097	54.575	ug/l	95
86) p-Isopropyltoluene	14.50	119	1689286	50.046	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	864064	51.476	ug/l	95
88) 1,4-Dichlorobenzene	14.55	146	901564	53.033	ug/l	97
89) n-Butylbenzene	14.80	91	1544624	49.214	ug/l	98
90) Hexachloroethane	15.02	117	463865	52.214	ug/l	73
91) 1,2-Dichlorobenzene	14.81	146	730653	47.141	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	62813	50.944	ug/l	83

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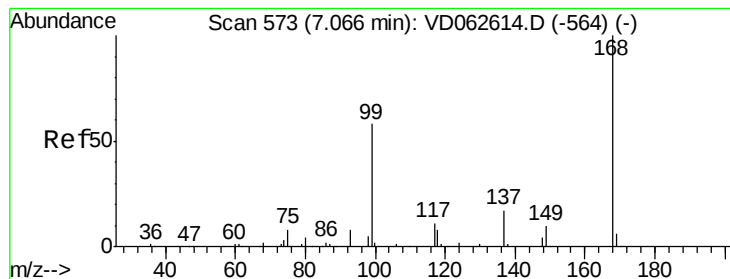
Manual Integrations
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QLast Update : Thu Jun 06 05:42:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	567042	50.917	ug/l	96
94) Hexachlorobutadiene	16.04	225	444762	53.243	ug/l	98
95) Naphthalene	16.13	128	858976	53.863	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	422881	49.658	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed



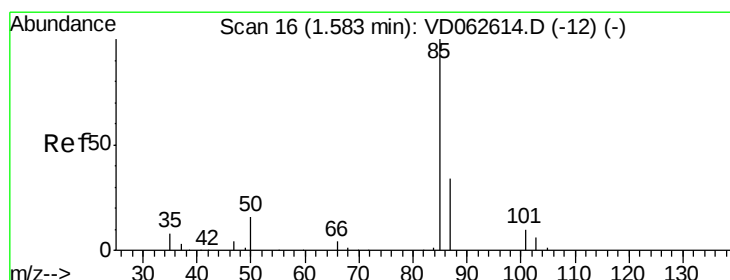
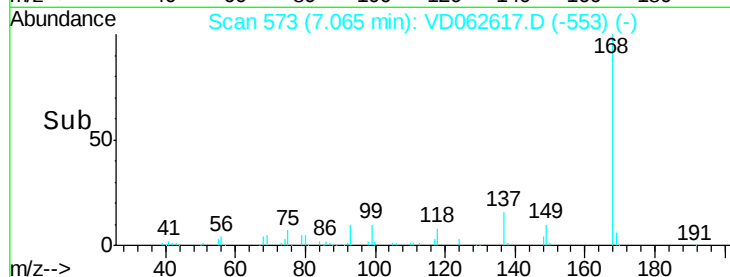
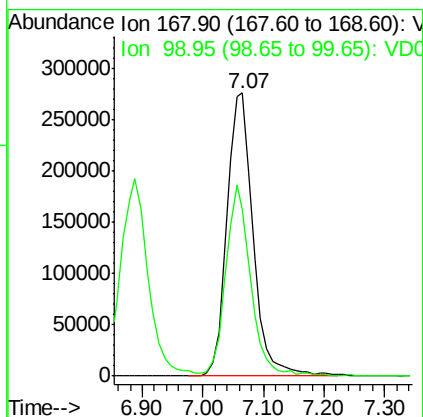
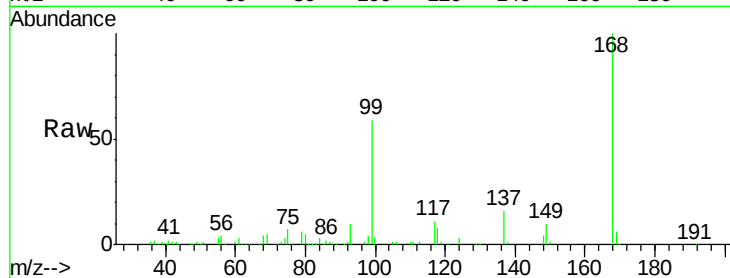
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.07 min Scan# 573
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

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ClientSampleId :
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Tot Ion	Ion	Ratio	Lower	Upper
168	100			
99	58.8	48.1	72.1	

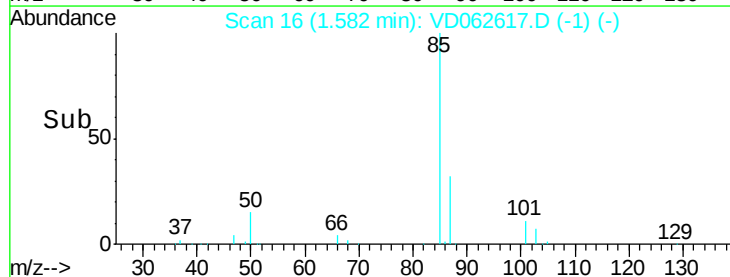
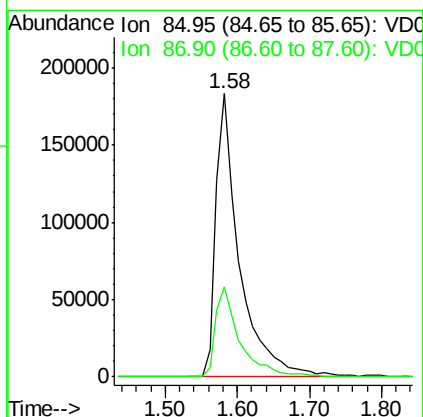
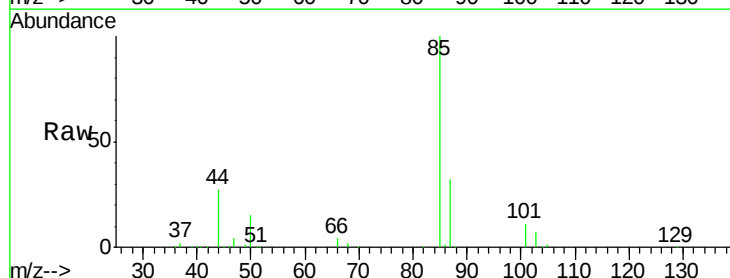
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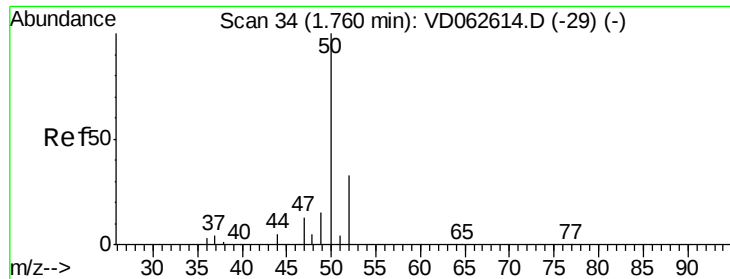
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#2
Dichlorodifluoromethane
Concen: 44.499 ug/l
RT: 1.58 min Scan# 16
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	31.8	16.9	50.6	





#3

Chloromethane

Concen: 43.545 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060519

Tot Ion: 50 Resp: 347269

Ion Ratio Lower Upper

50 100

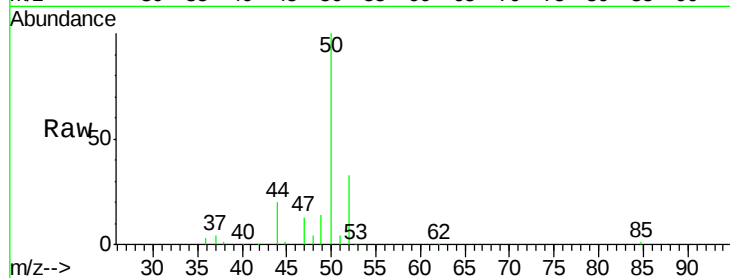
52 32.7 26.6 40.0

Manual Integrations

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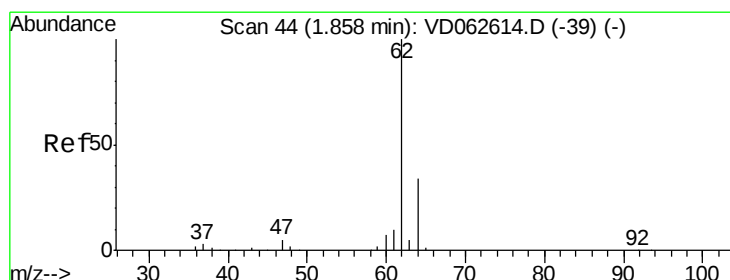
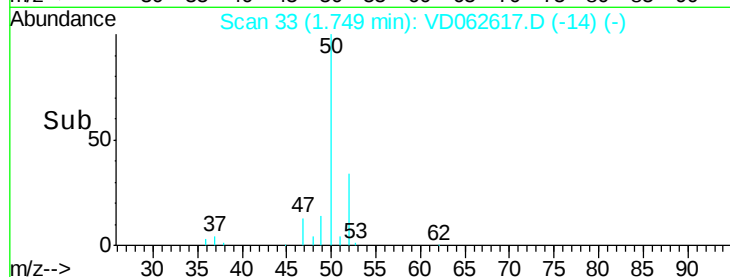
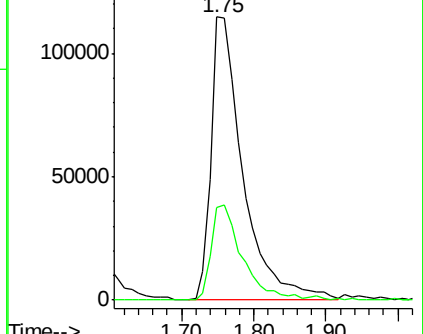
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.266 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.00 min

Lab File: VD062617.D

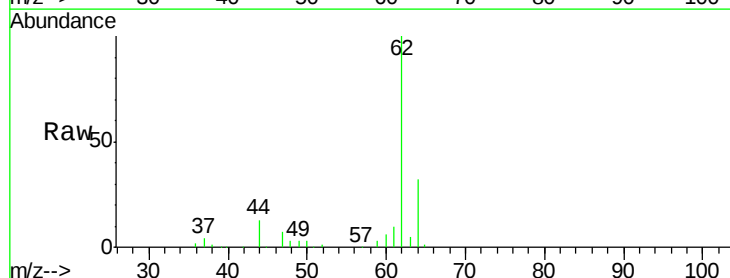
Acq: 5 Jun 2019 17:41

Tgt Ion: 62 Resp: 385243

Ion Ratio Lower Upper

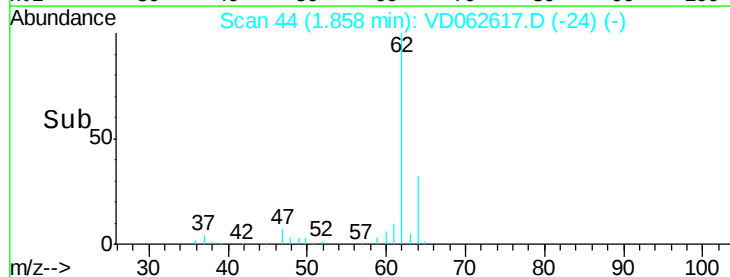
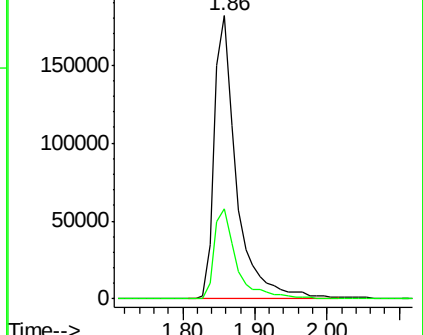
62 100

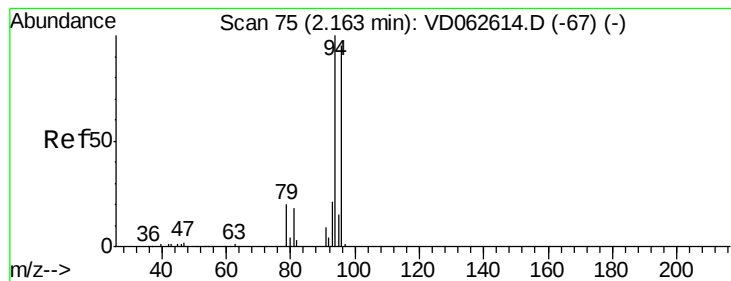
64 31.9 27.2 40.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 51.887 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.00 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

Instrument :

MSVOA_D

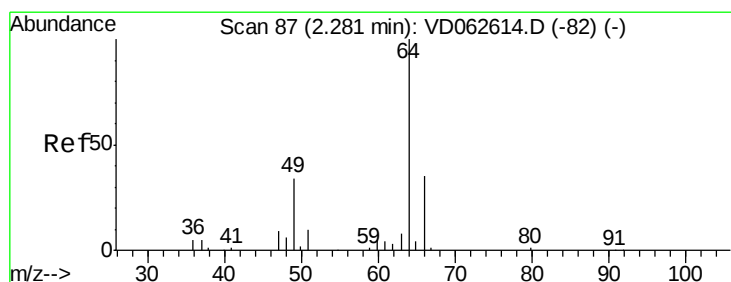
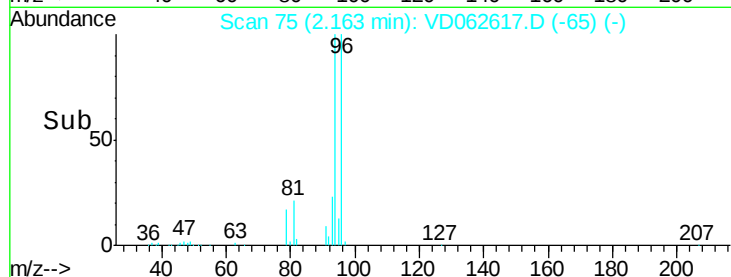
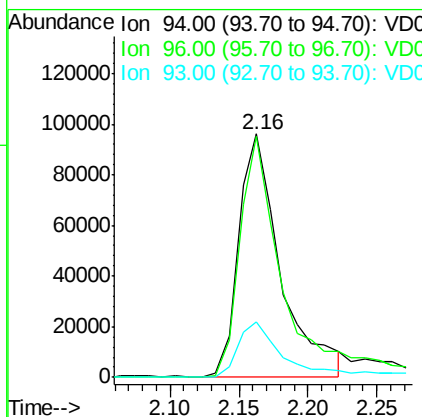
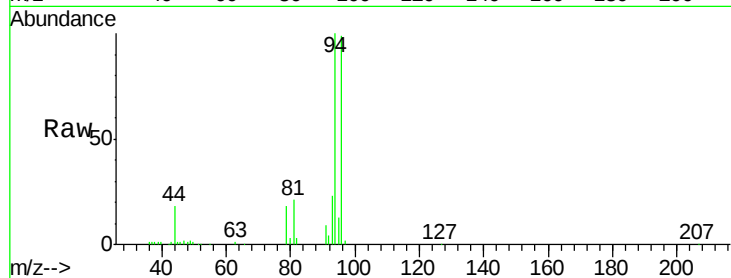
ClientSampleId :

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Tot Ion:	94	Resp:	204689
Ion	Ratio	Lower	Upper
94	100		
96	99.1	75.8	113.8
93	22.7	16.6	25.0

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#6

Chloroethane

Concen: 50.920 ug/l

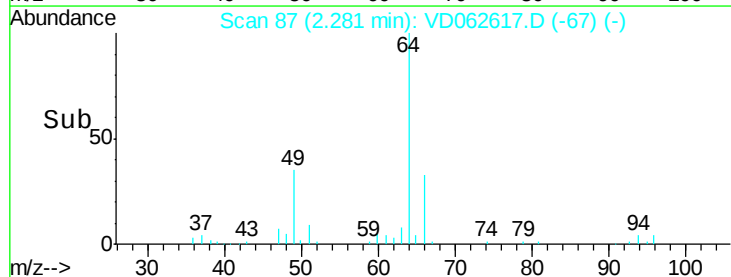
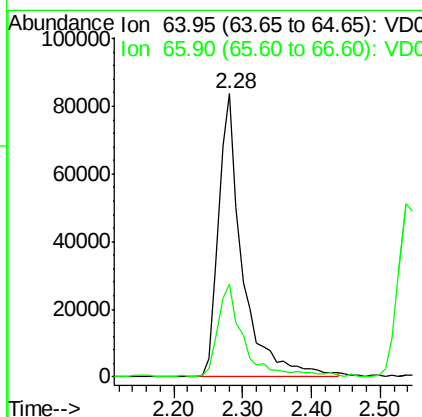
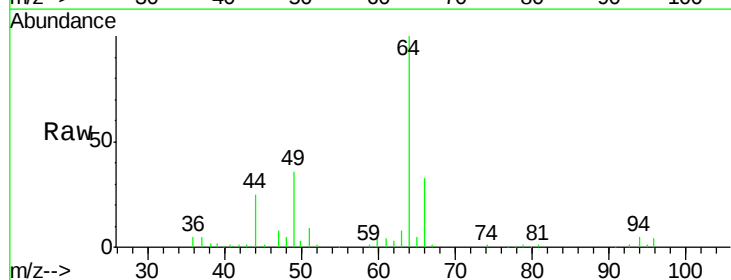
RT: 2.28 min Scan# 87

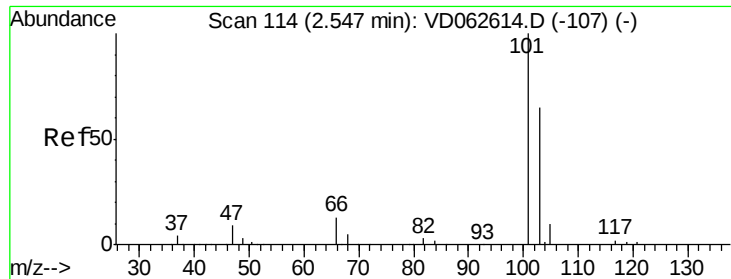
Delta R.T. -0.00 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

Tgt Ion:	64	Resp:	200834
Ion	Ratio	Lower	Upper
64	100		
66	32.5	28.4	42.6





#7

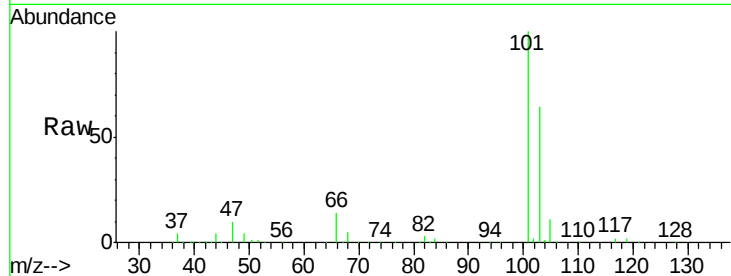
Trichlorofluoromethane
Concen: 49.222 ug/l
RT: 2.54 min Scan# 113
Delta R.T. -0.01 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Instrument :
MSVOA_D
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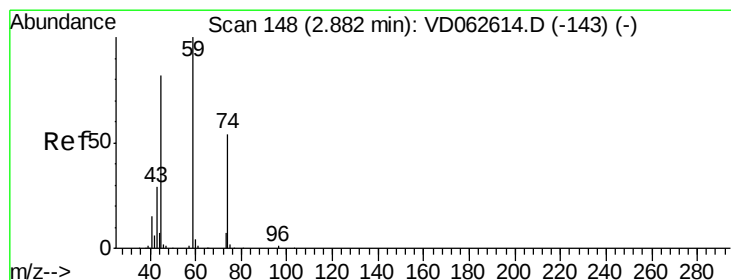
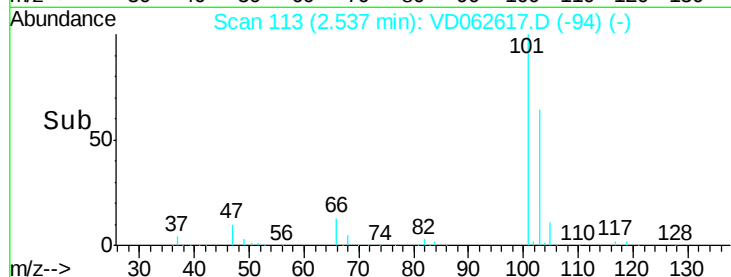
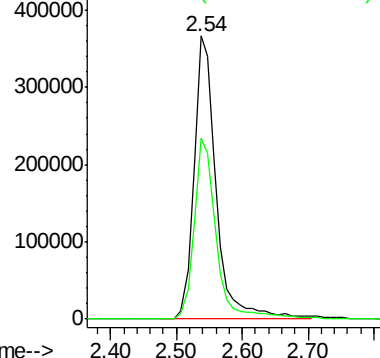
Tot Ion:101 Resp: 858727
Ion Ratio Lower Upper
101 100
103 63.9 52.1 78.1

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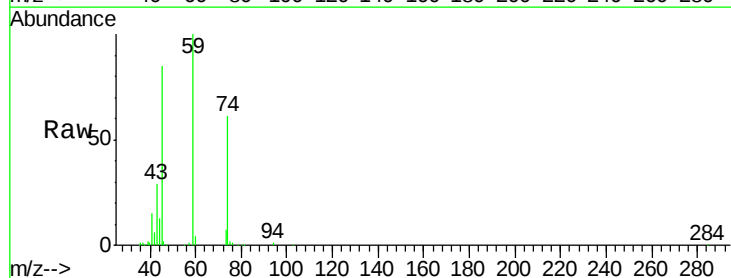
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



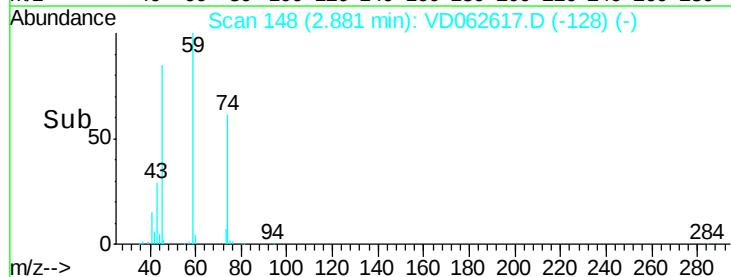
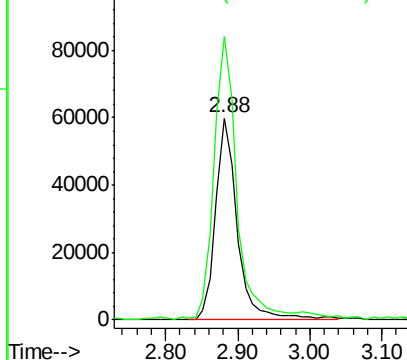
#8

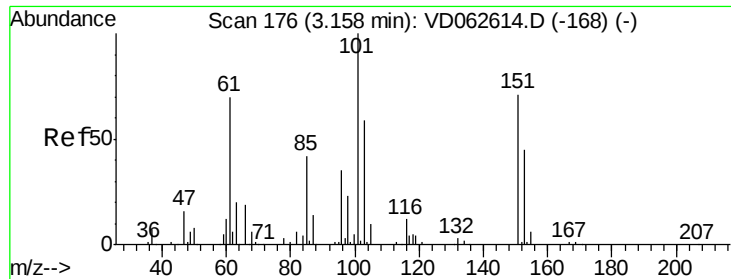
Diethyl Ether
Concen: 54.805 ug/l
RT: 2.88 min Scan# 148
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Tgt Ion: 74 Resp: 124256
Ion Ratio Lower Upper
74 100
45 140.4 75.6 226.8



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.604 ug/l

RT: 3.16 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

Instrument :

MSVOA_D

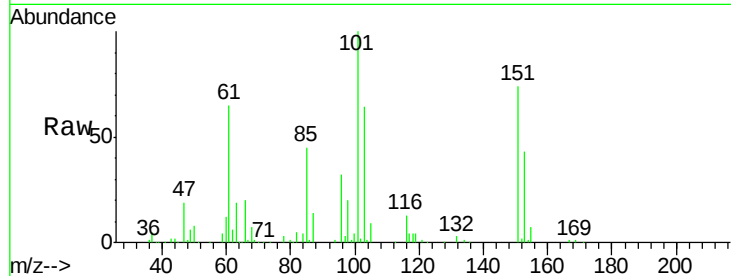
ClientSampleId :

ICVVD060519

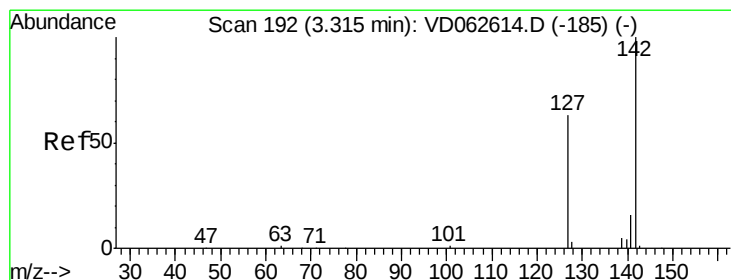
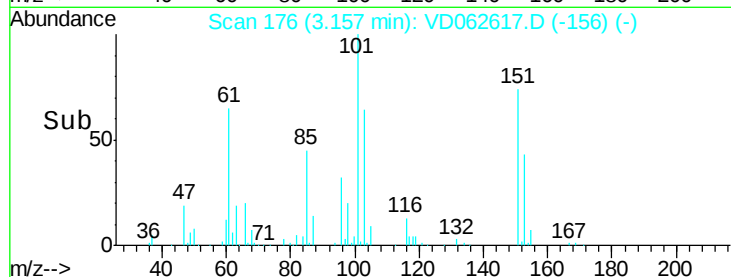
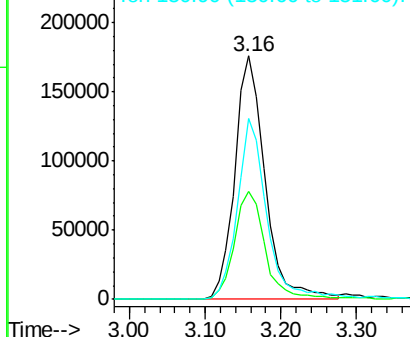
Tot Ion:	101	Resp:	486534
Ion Ratio	Lower	Upper	
101	100		
85	44.6	33.8	50.6
151	74.3	56.8	85.2

Manual Integrations
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Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 51.532 ug/l

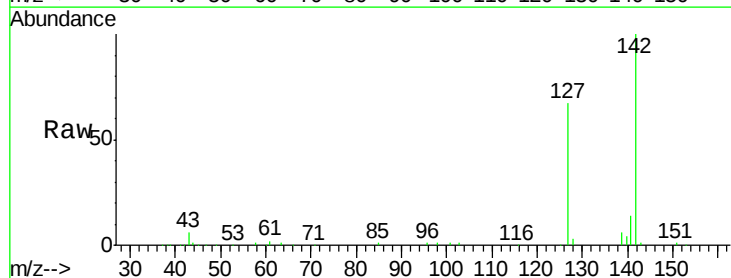
RT: 3.31 min Scan# 192

Delta R.T. -0.00 min

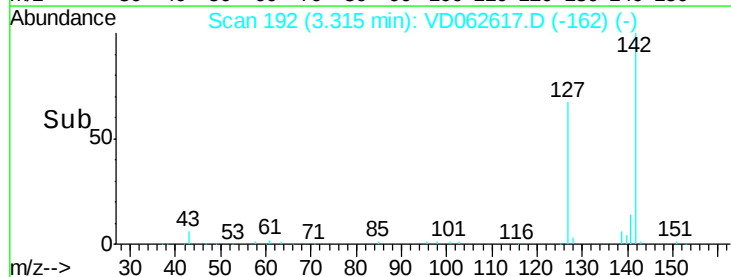
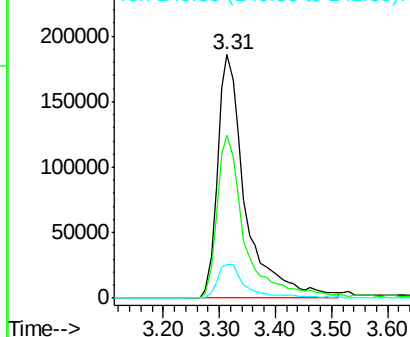
Lab File: VD062617.D

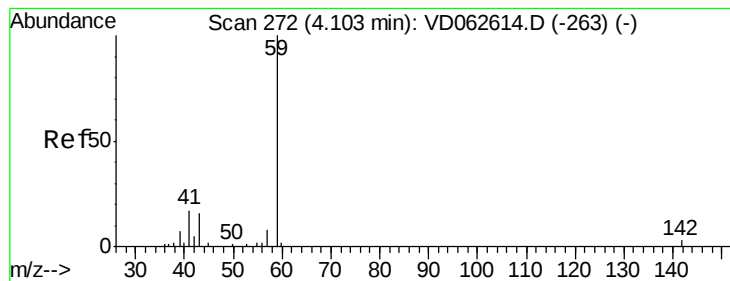
Acq: 5 Jun 2019 17:41

Tgt Ion:	142	Resp:	646951
Ion Ratio	Lower	Upper	
142	100		
127	67.1	50.7	76.1
141	14.0	12.9	19.3



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





#11

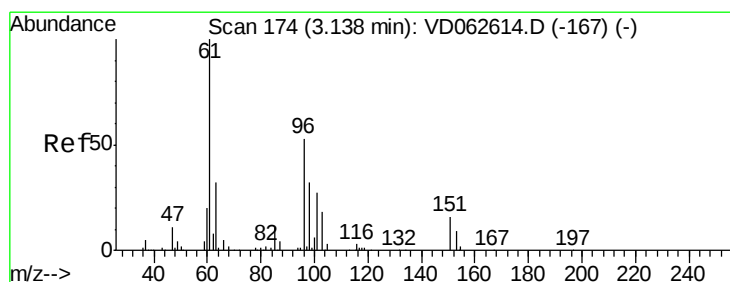
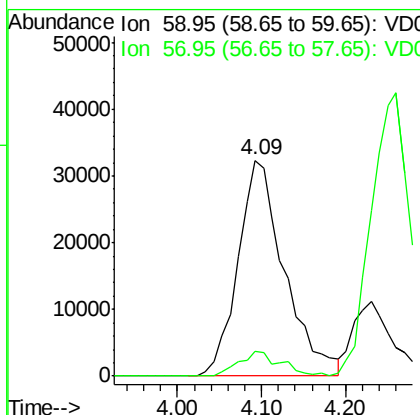
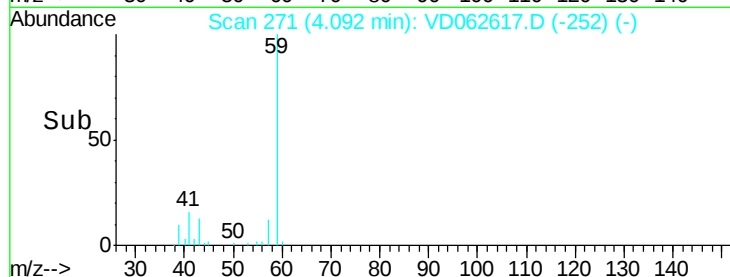
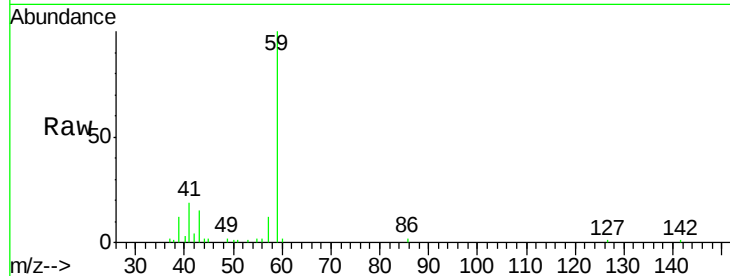
Tert butyl alcohol
Concen: 244.728 ug/l
RT: 4.09 min Scan# 271
Delta R.T. -0.01 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
ICVVD060519

Tot Ion: 59 Resp: 124047
Ion Ratio Lower Upper
59 100
57 11.6 6.4 9.6#

Manual Integrations
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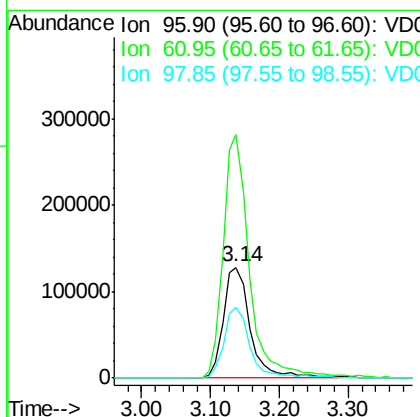
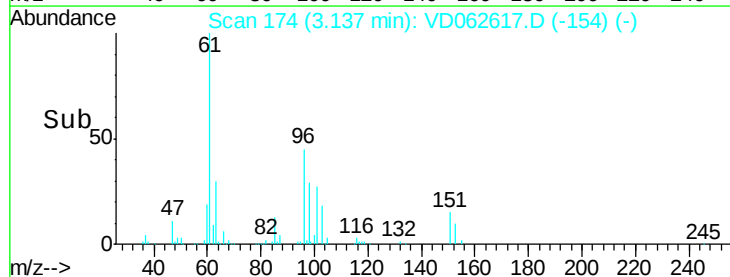
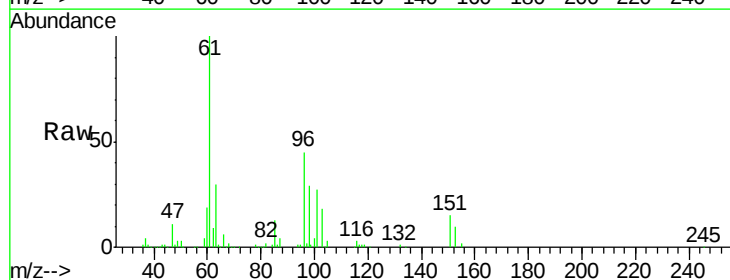
MMDadoda
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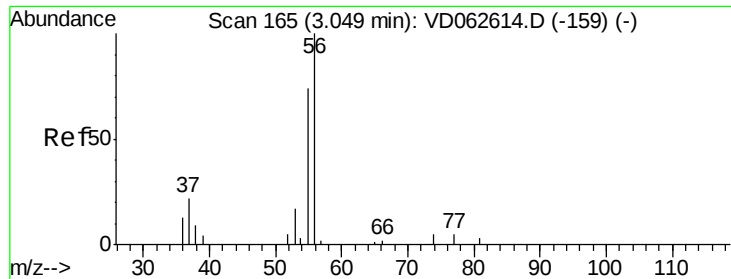


#12

1,1-Dichloroethene
Concen: 48.317 ug/l
RT: 3.14 min Scan# 174
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Tgt Ion: 96 Resp: 347688
Ion Ratio Lower Upper
96 100
61 220.0 151.3 226.9
98 63.6 48.6 72.8





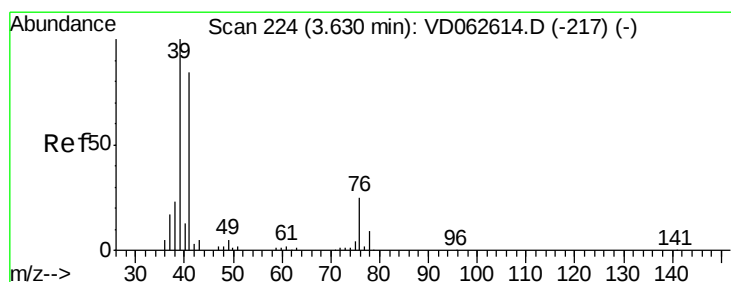
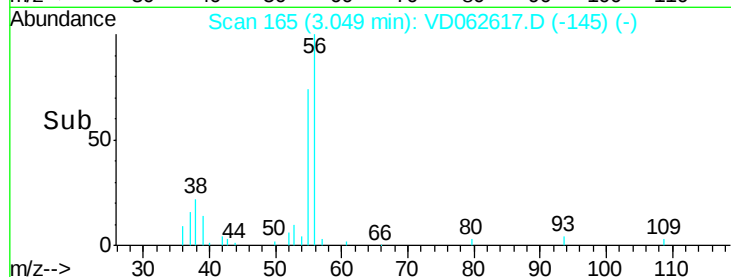
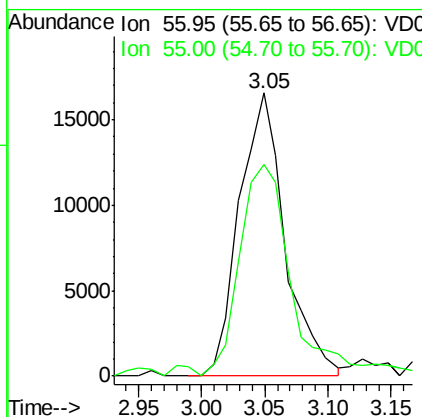
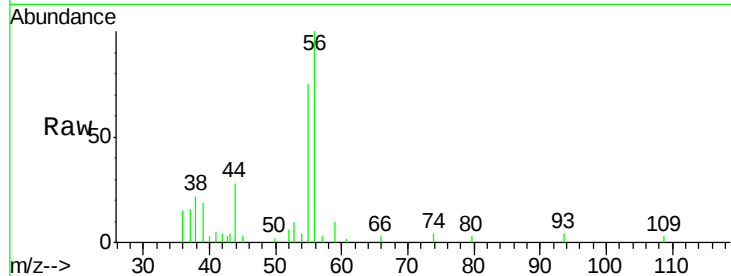
#13
Acrolein
Concen: 231.742 ug/l
RT: 3.05 min Scan# 165
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
ICVVD060519

Tot Ion	56	Resp	41538
Ion Ratio	100	Lower	Upper
55	74.6	61.4	92.0

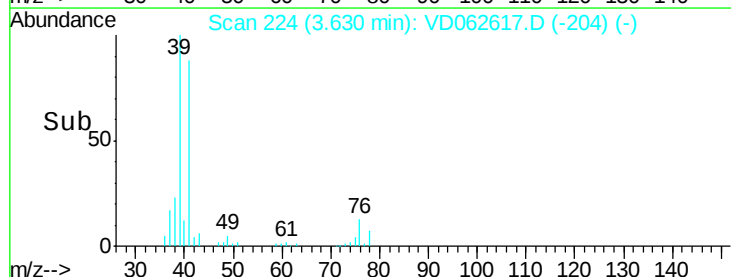
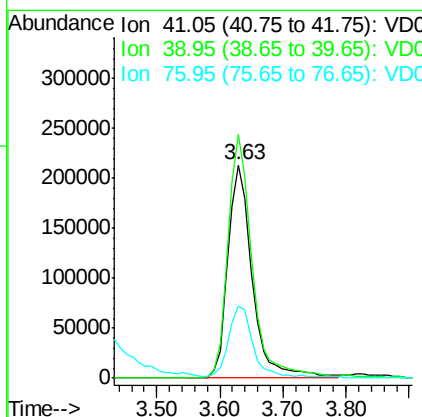
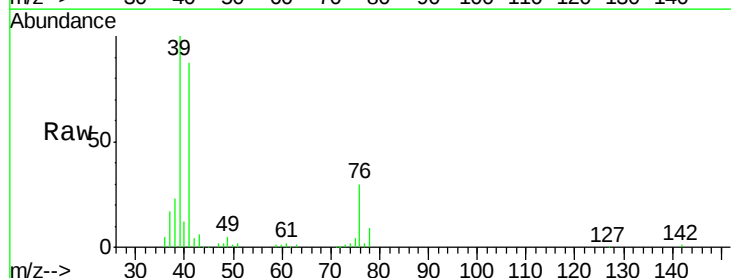
Manual Integrations
APPROVED

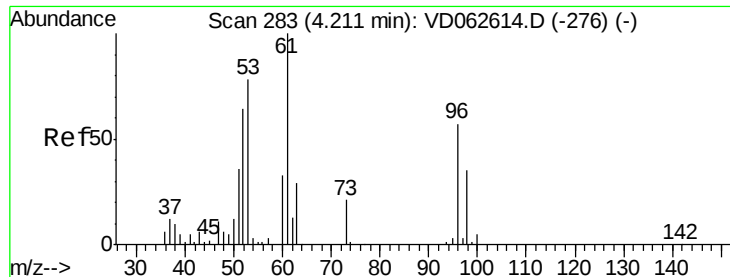
MMDadoda
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#14
Allyl chloride
Concen: 52.284 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Tgt Ion	41	Resp	572790
Ion Ratio	100	Lower	Upper
39	114.3	95.5	143.3
76	33.8	25.4	38.0





#15

Acrylonitrile

Concen: 248.838 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.00 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060519

Tot Ion: 53 Resp: 274958

Ion Ratio Lower Upper

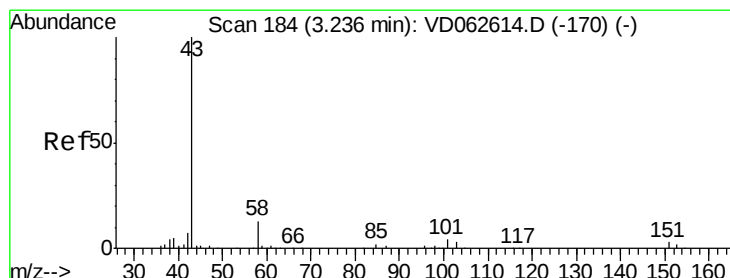
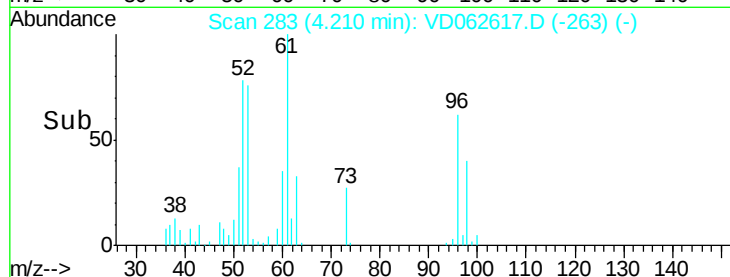
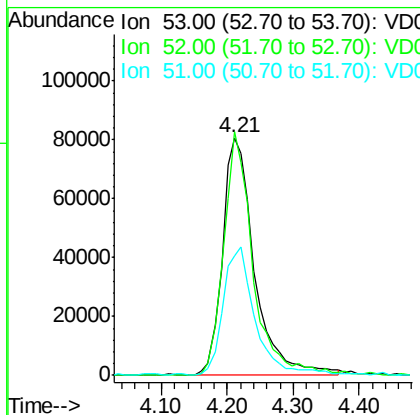
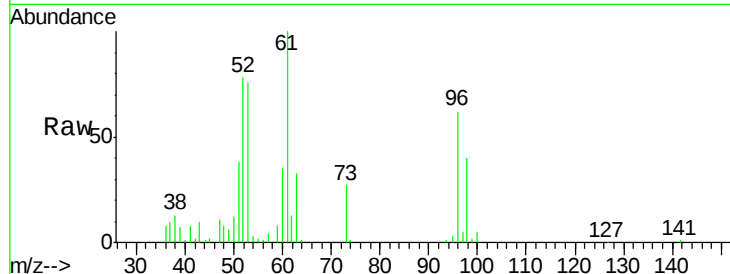
53 100

52 102.4 65.8 98.6#

51 50.0 36.9 55.3

Manual Integrations
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#16

Acetone

Concen: 281.067 ug/l

RT: 3.24 min Scan# 184

Delta R.T. -0.00 min

Lab File: VD062617.D

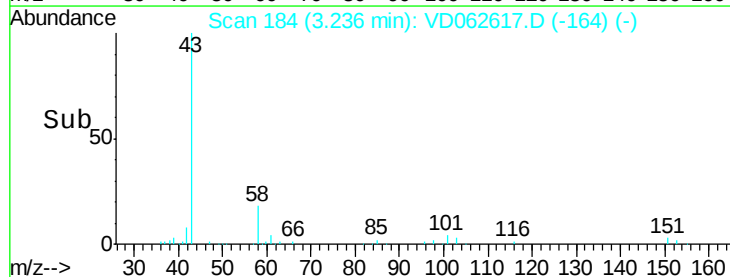
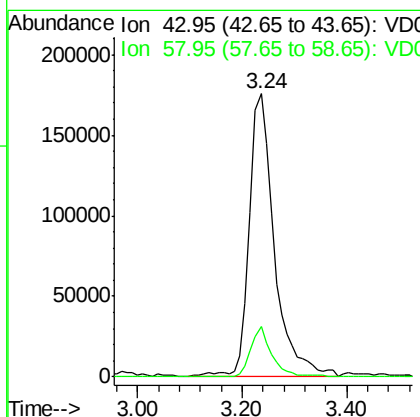
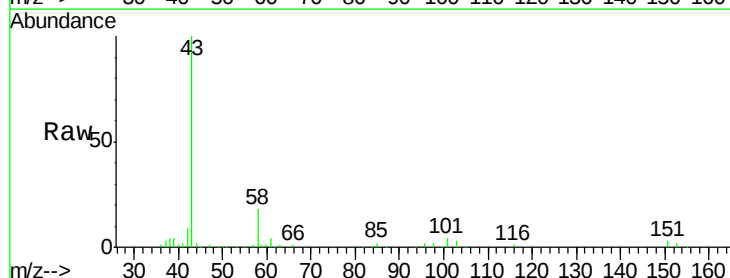
Acq: 5 Jun 2019 17:41

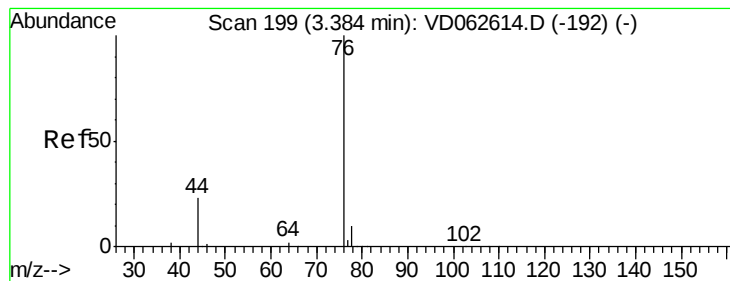
Tgt Ion: 43 Resp: 571775

Ion Ratio Lower Upper

43 100

58 17.6 10.7 16.1#





#17

Carbon Disulfide

Concen: 52.739 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.00 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060519

Tot Ion: 76 Resp: 1105763

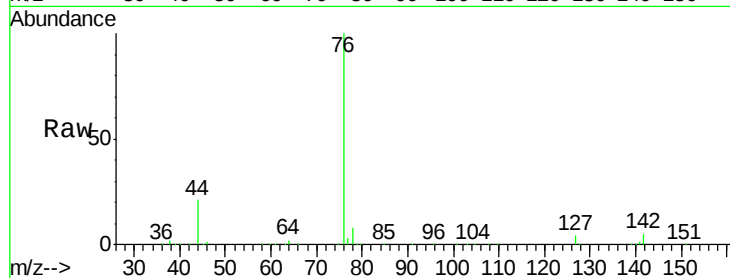
Ion Ratio Lower Upper

76 100

78 8.2 8.1 12.1

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.38

400000

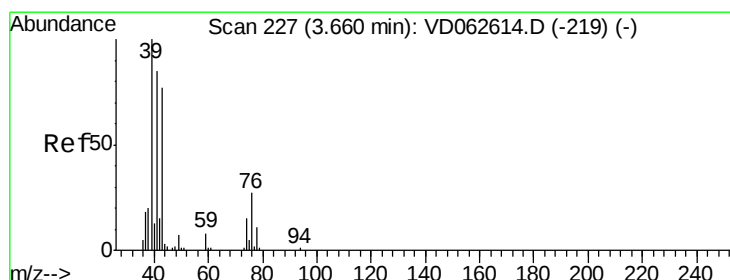
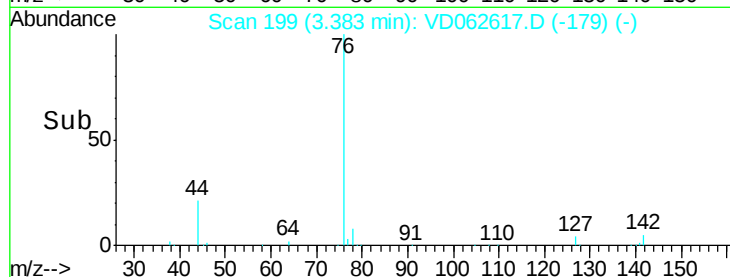
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 46.420 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.01 min

Lab File: VD062617.D

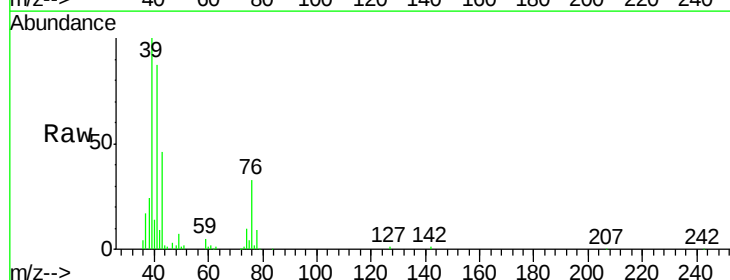
Acq: 5 Jun 2019 17:41

Tgt Ion: 43 Resp: 167902

Ion Ratio Lower Upper

43 100

74 20.9 15.5 23.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.65

60000

50000

40000

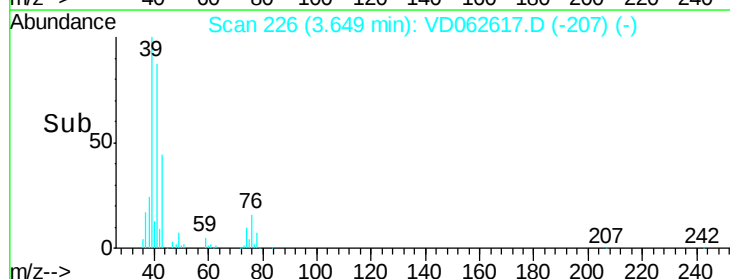
30000

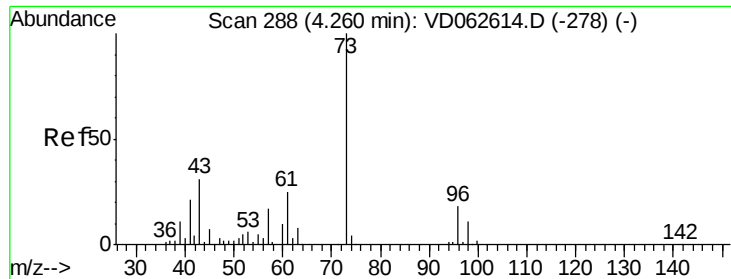
20000

10000

0

Time-->





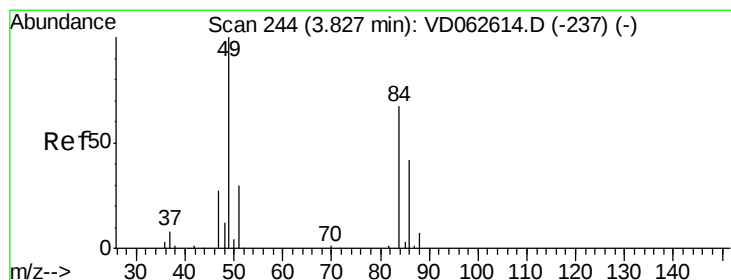
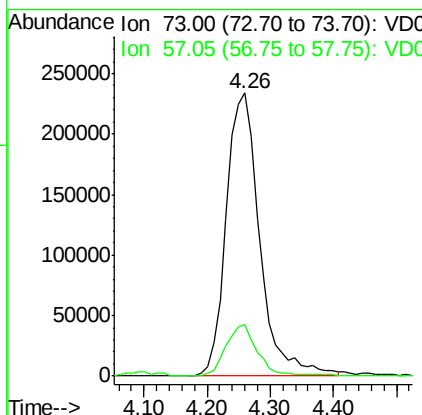
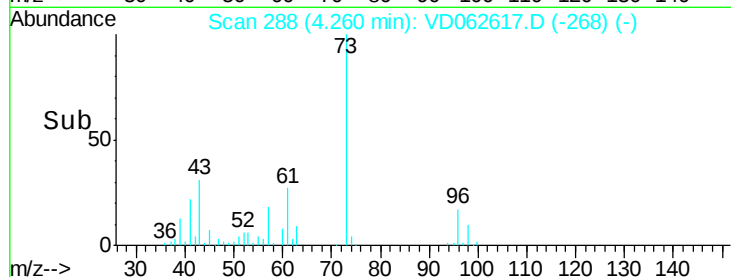
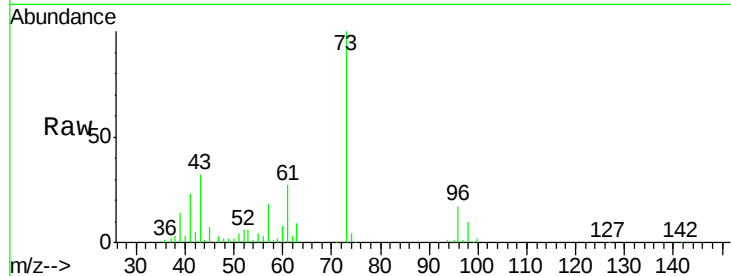
#19
Methyl tert-butyl Ether
Concen: 49.422 ug/l
RT: 4.26 min Scan# 288
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
ICVVD060519

Tot Ion: 73 Resp: 861435
Ion Ratio Lower Upper
73 100
57 18.1 13.5 20.3

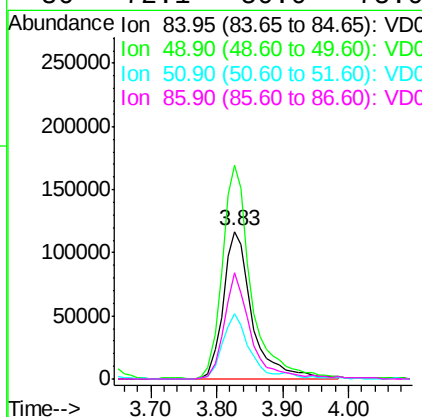
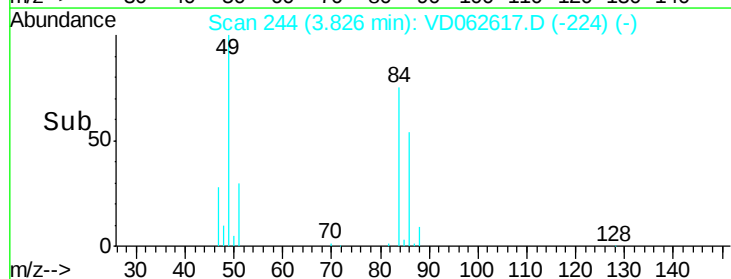
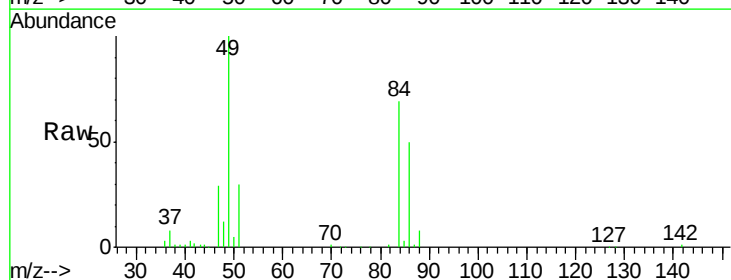
Manual Integrations
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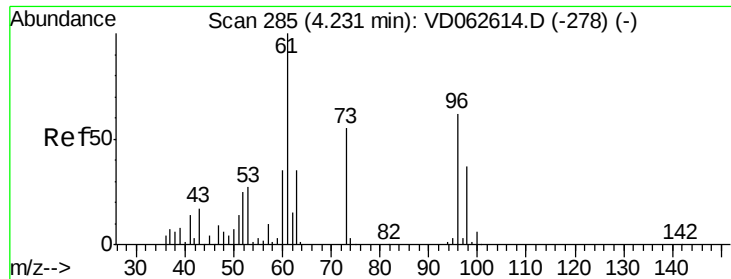
MMDadoda
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#20
Methylene Chloride
Concen: 45.402 ug/l
RT: 3.83 min Scan# 244
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Tgt Ion: 84 Resp: 359460
Ion Ratio Lower Upper
84 100
49 144.9 119.0 178.6
51 44.2 35.4 53.2
86 72.1 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 50.446 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.00 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060519

Tot Ion: 96 Resp: 395033

Ion Ratio Lower Upper

96 100

61 158.1 128.2 192.4

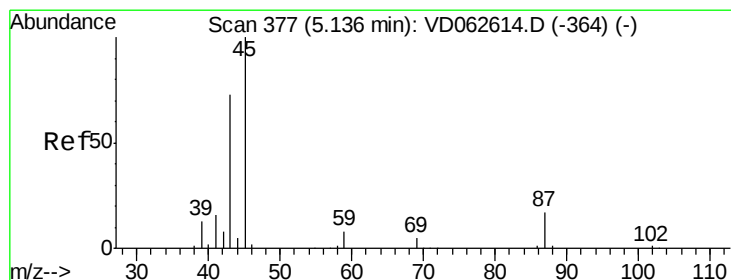
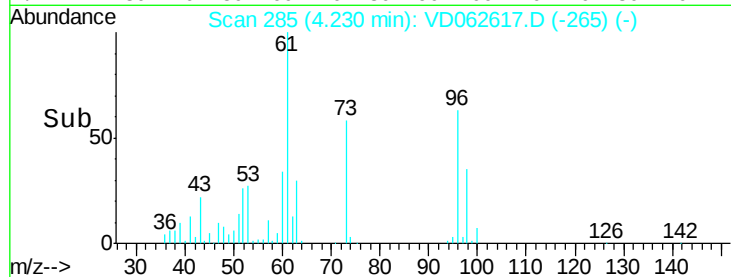
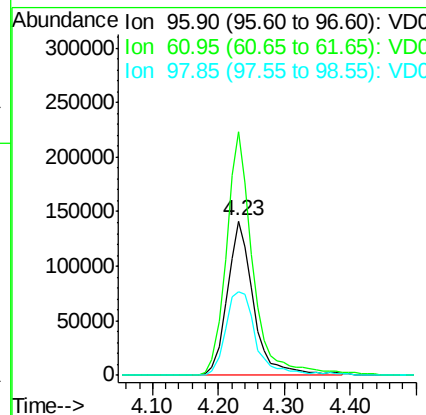
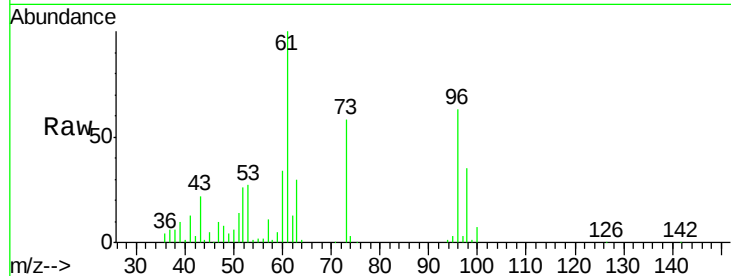
98 54.5 47.5 71.3

Manual Integrations

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#22

Diisopropyl ether

Concen: 50.190 ug/l

RT: 5.14 min Scan# 377

Delta R.T. -0.00 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

Tgt Ion: 45 Resp: 1161536

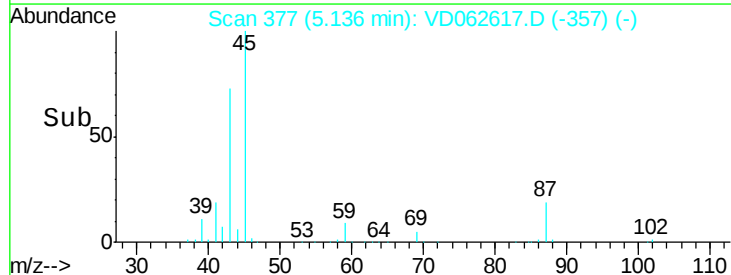
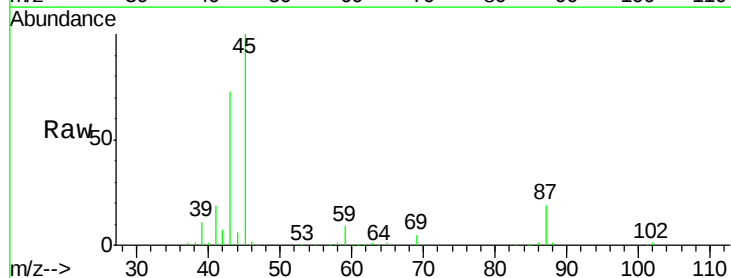
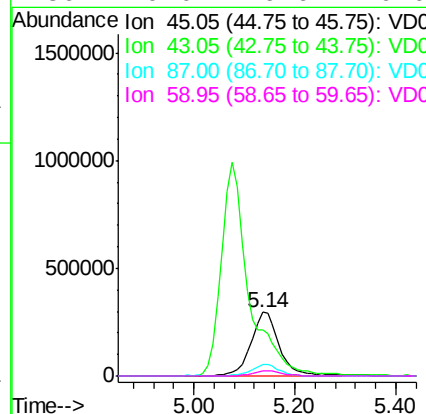
Ion Ratio Lower Upper

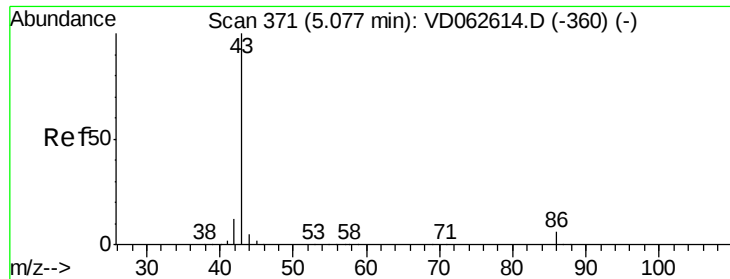
45 100

43 72.8 59.3 88.9

87 18.6 14.6 22.0

59 9.0 6.6 10.0





#23

Vinyl Acetate

Concen: 267.162 ug/l

RT: 5.08 min Scan# 371

Delta R.T. -0.00 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060519

Tot Ion: 43 Resp: 3768296

Ion Ratio Lower Upper

43 100

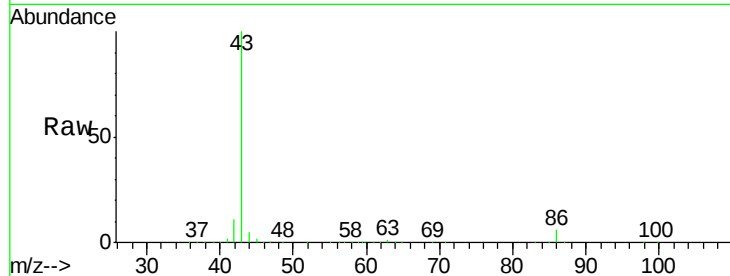
86 6.1 5.2 7.8

Manual Integrations

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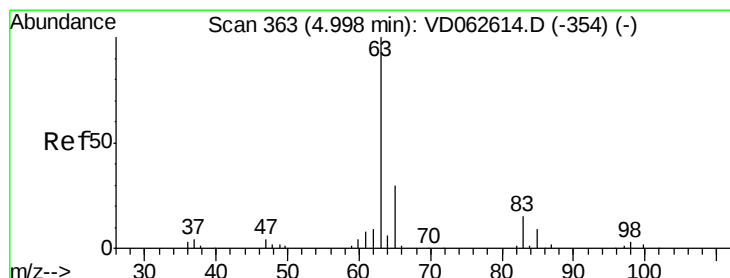
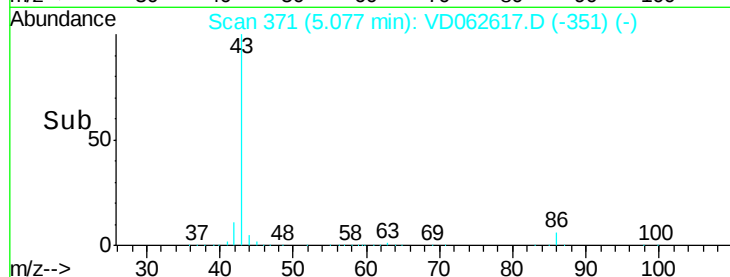
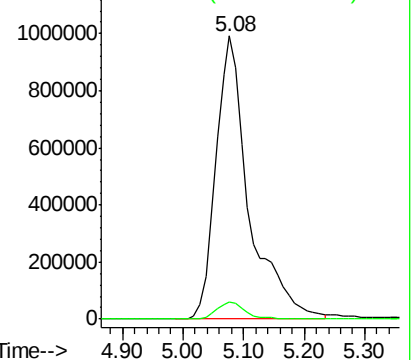
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.863 ug/l

RT: 5.00 min Scan# 363

Delta R.T. -0.00 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

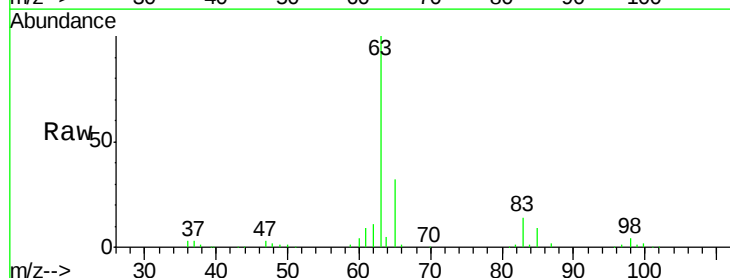
Tgt Ion: 63 Resp: 741643

Ion Ratio Lower Upper

63 100

98 4.0 1.7 5.1

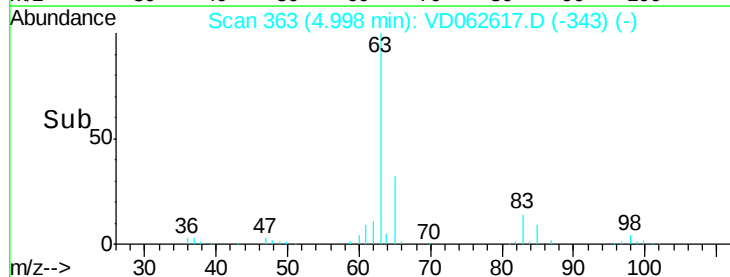
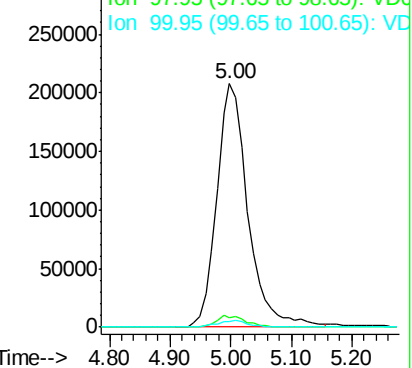
100 2.3 1.1 3.5

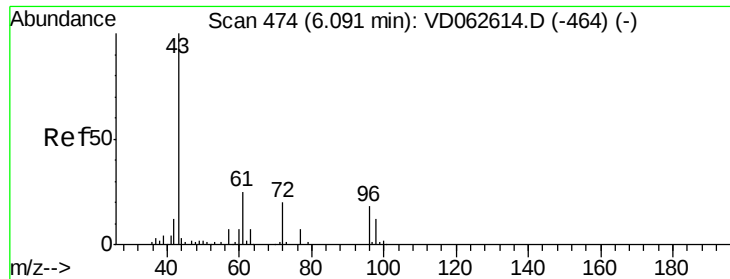


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 270.801 ug/l

RT: 6.09 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060519

Tot Ion: 43 Resp: 523299

Ion Ratio Lower Upper

43 100

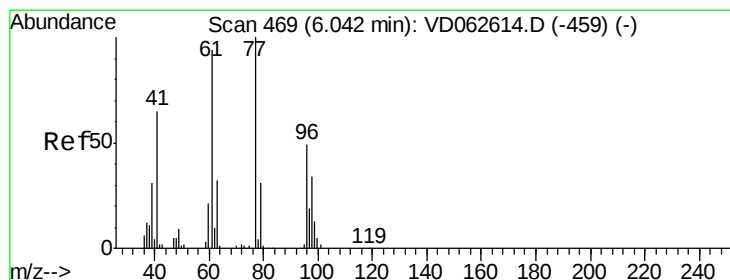
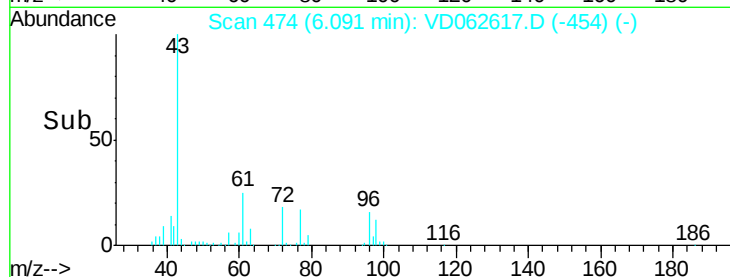
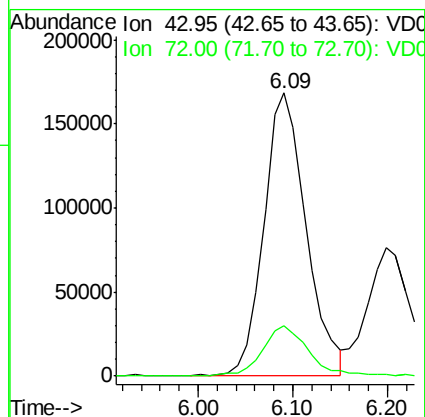
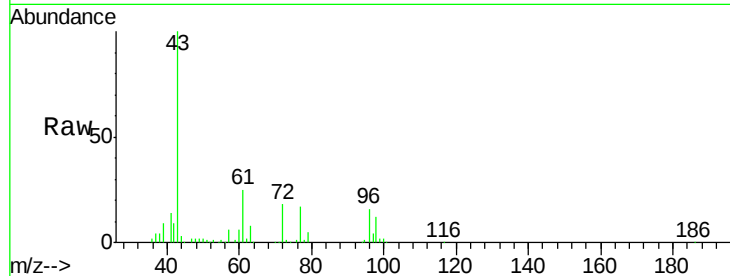
72 17.9 15.7 23.5

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#26

2,2-Dichloropropane

Concen: 52.686 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD062617.D

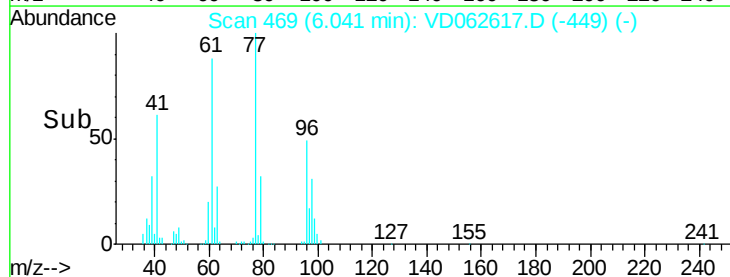
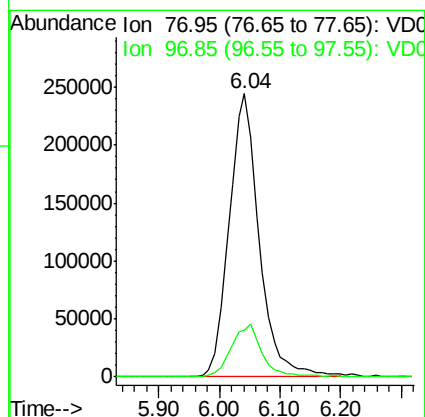
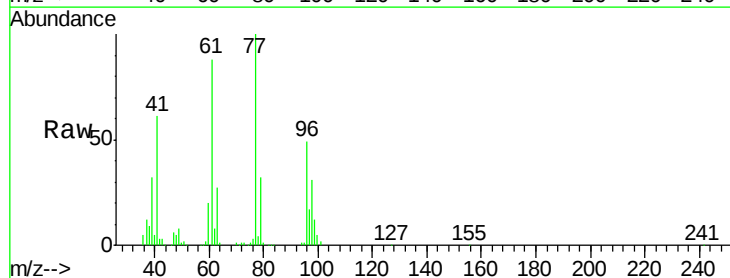
Acq: 5 Jun 2019 17:41

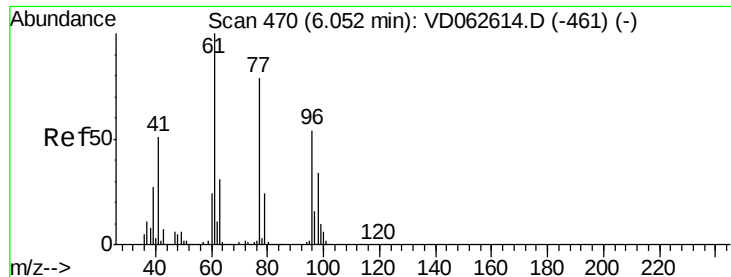
Tgt Ion: 77 Resp: 839289

Ion Ratio Lower Upper

77 100

97 16.6 9.6 28.8





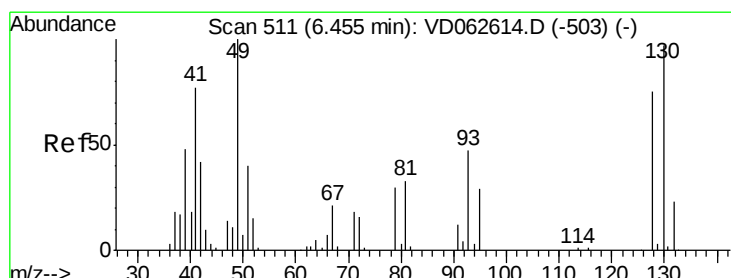
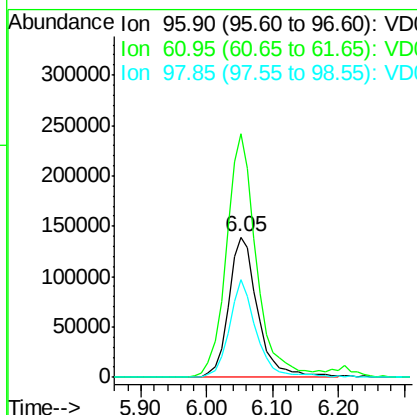
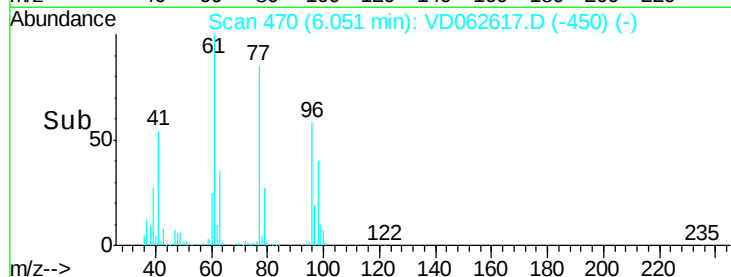
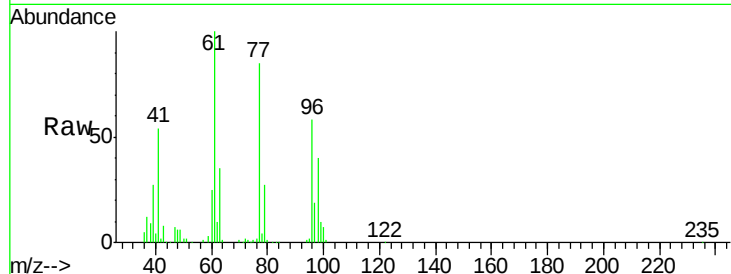
#27
 cis-1,2-Dichloroethene
 Concen: 50.965 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. -0.00 min
 Lab File: VD062617.D
 Acq: 5 Jun 2019 17:41

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060519

Tot Ion	Ratio	Resp	Lower	Upper
96	100	430353		
61	173.8	0.0	372.0	
98	70.0	0.0	126.4	

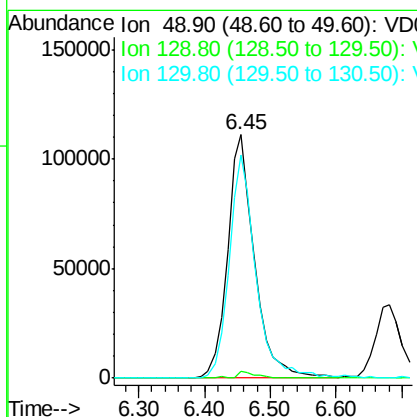
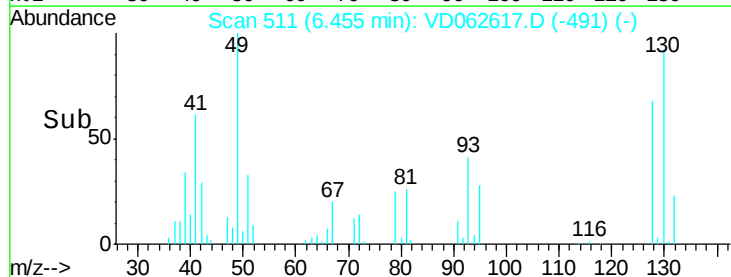
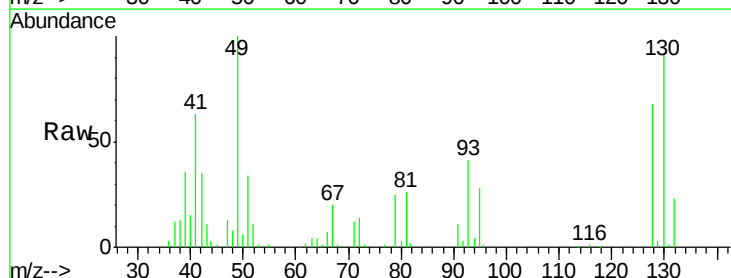
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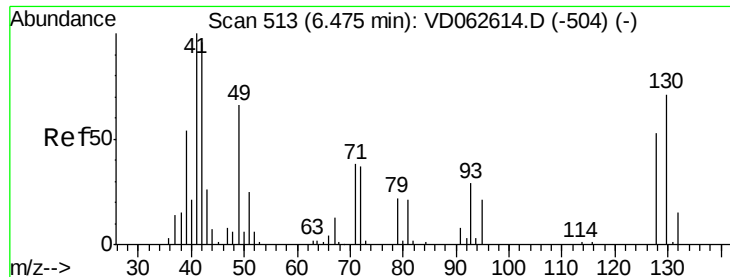
MMDadoda
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#28
 Bromochloromethane
 Concen: 57.642 ug/l
 RT: 6.45 min Scan# 511
 Delta R.T. -0.00 min
 Lab File: VD062617.D
 Acq: 5 Jun 2019 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	317995		
129	2.7	0.0	6.4	
130	91.9	77.6	116.4	





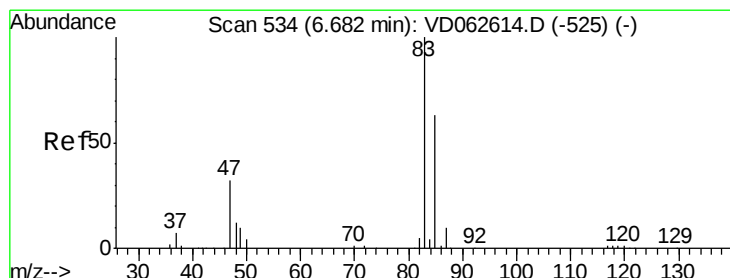
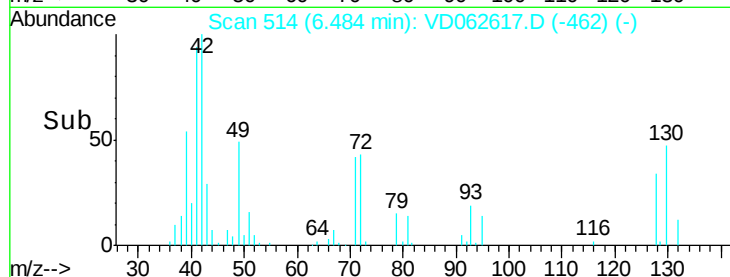
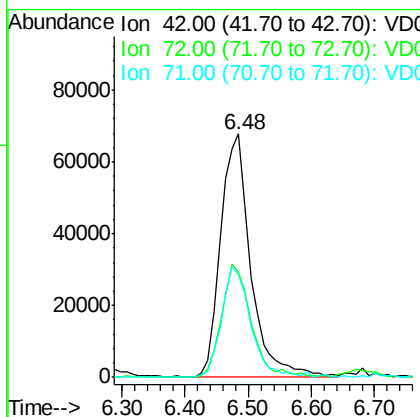
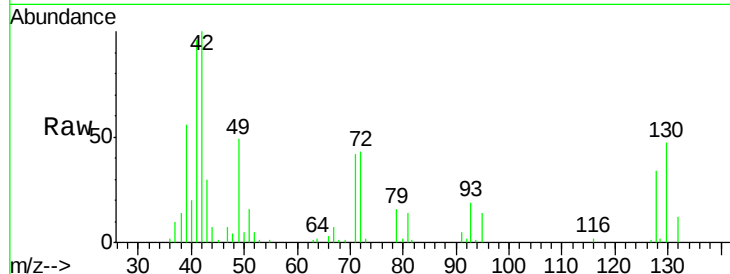
#29
Tetrahydrofuran
Concen: 251.033 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.01 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
ICVVD060519

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	32.5	48.7
71	43.3	35.0	52.4

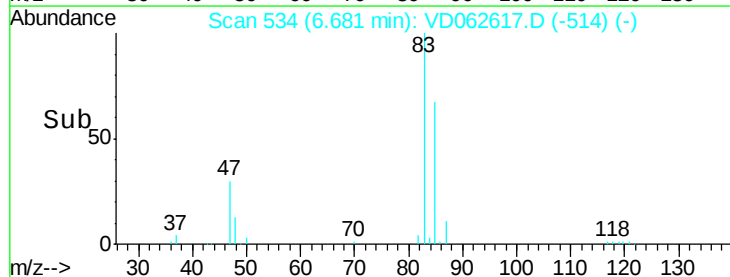
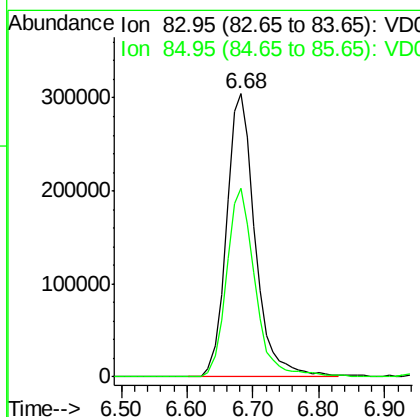
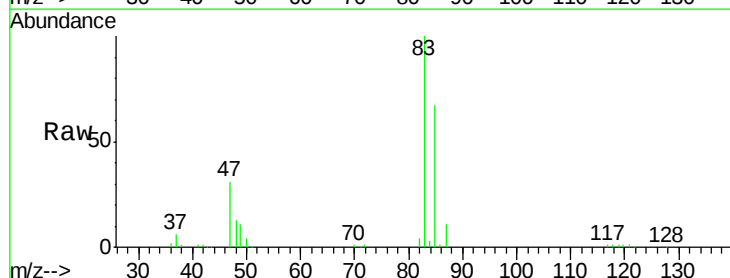
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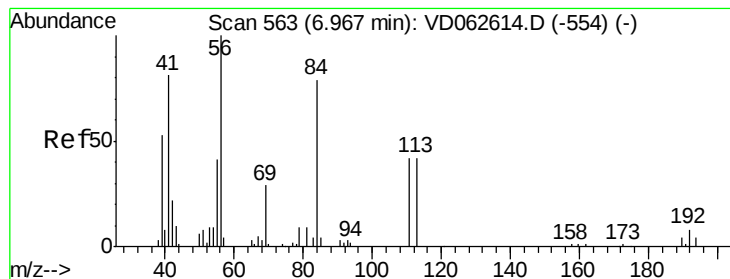
MMDadoda
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#30
Chloroform
Concen: 50.873 ug/l
RT: 6.68 min Scan# 534
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	50.4	75.6





#31

Cyclohexane

Concen: 54.132 ug/l

RT: 6.97 min Scan# 563

Delta R.T. -0.00 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060519

Tot Ion: 56 Resp: 504579

Ion Ratio Lower Upper

56 100

69 33.1 23.0 34.4

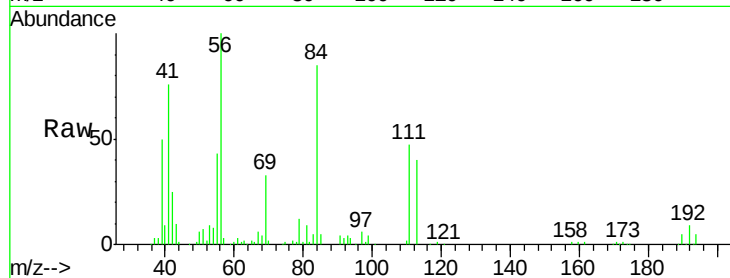
84 85.1 66.0 99.0

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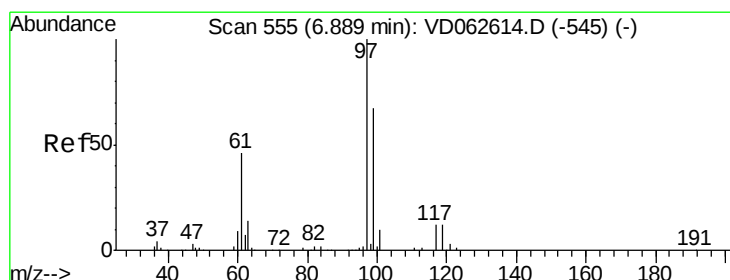
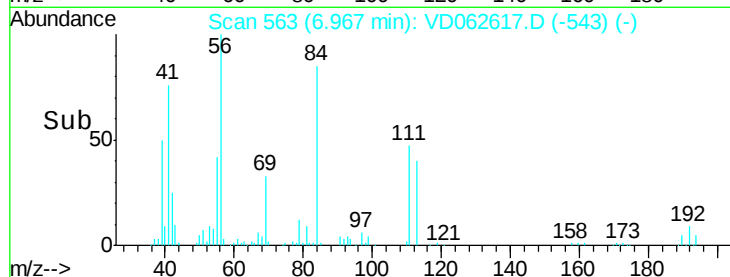
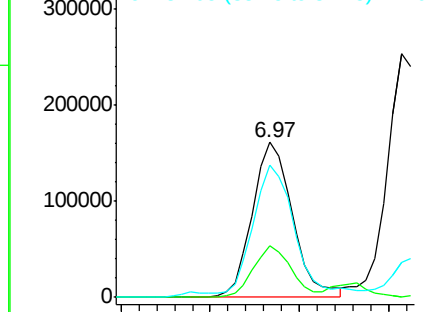
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 50.974 ug/l

RT: 6.89 min Scan# 555

Delta R.T. -0.00 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

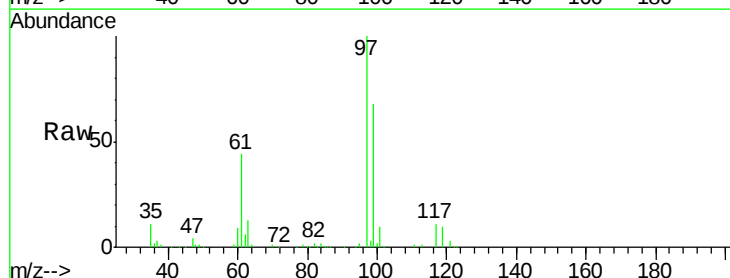
Tgt Ion: 97 Resp: 935723

Ion Ratio Lower Upper

97 100

99 68.3 53.4 80.0

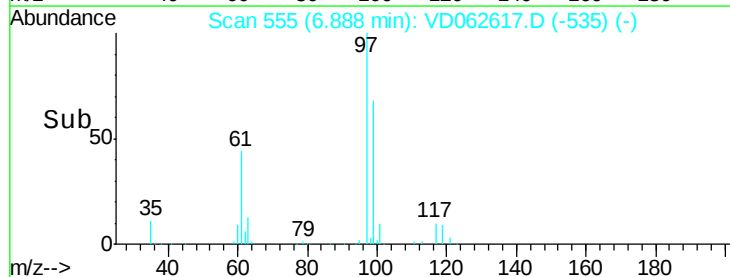
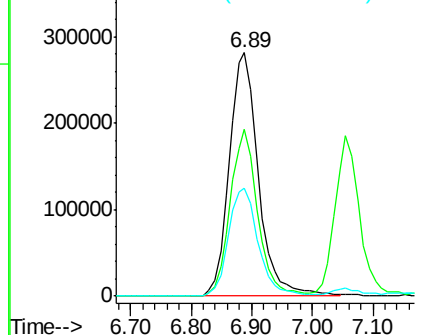
61 44.2 36.7 55.1

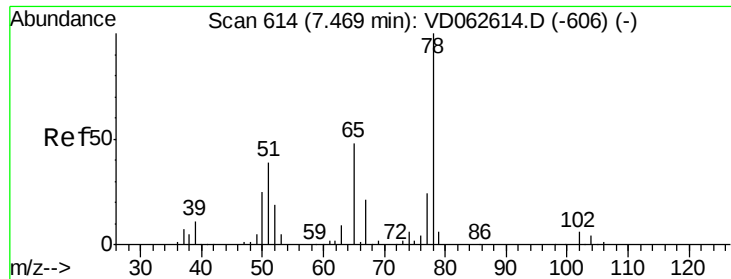


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 49.435 ug/l

RT: 7.47 min Scan# 614

Delta R.T. -0.00 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060519

Tot Ion: 65 Resp: 559588

Ion Ratio Lower Upper

65 100

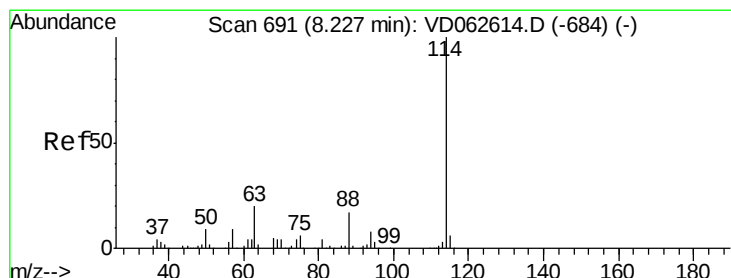
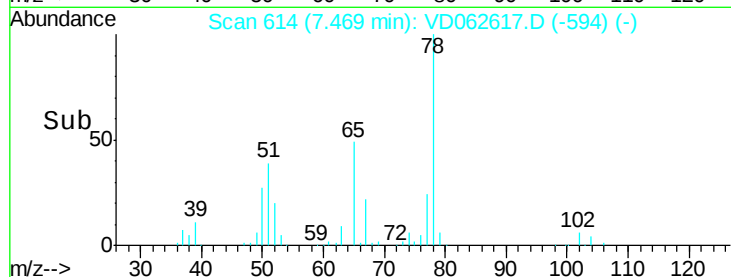
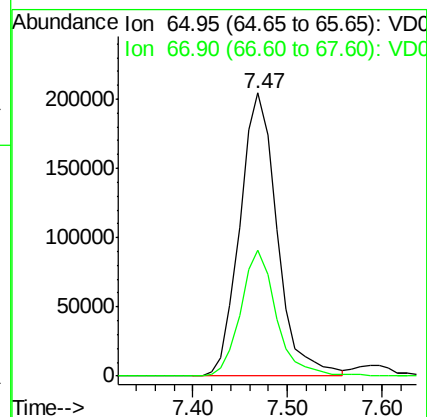
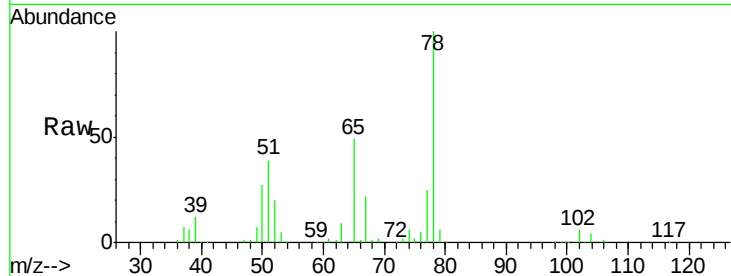
67 44.4 0.0 86.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

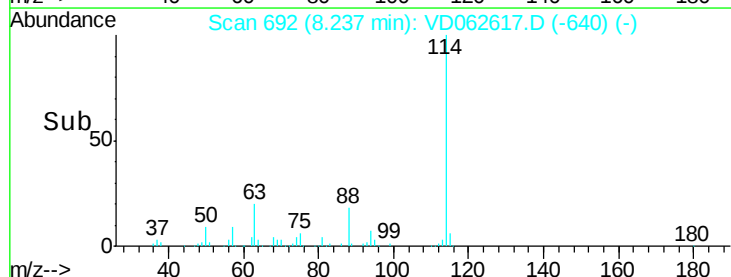
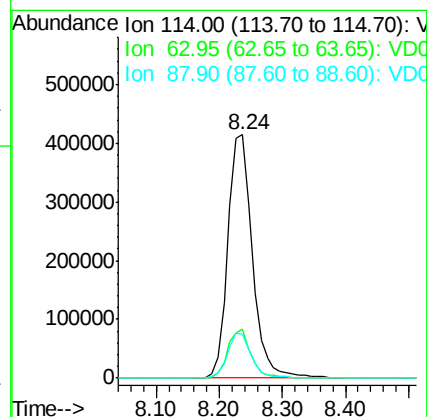
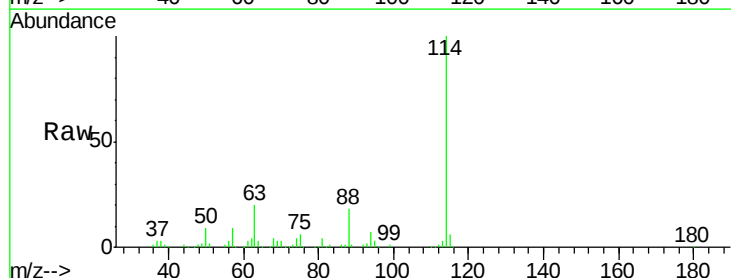
Tgt Ion: 114 Resp: 1117862

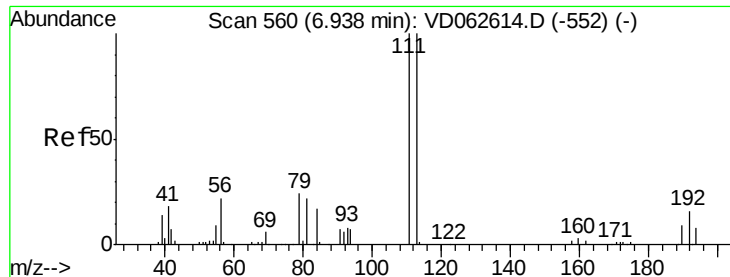
Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.0

88 17.9 0.0 34.2





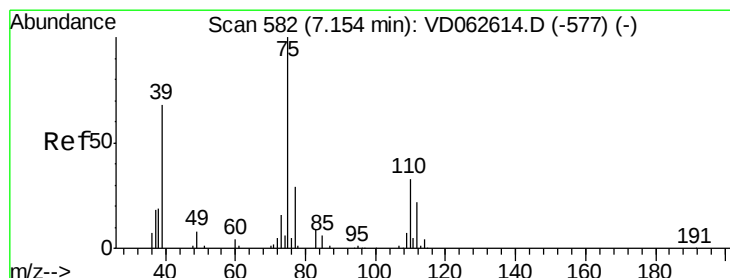
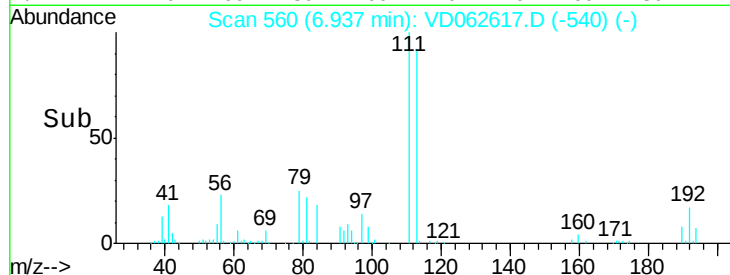
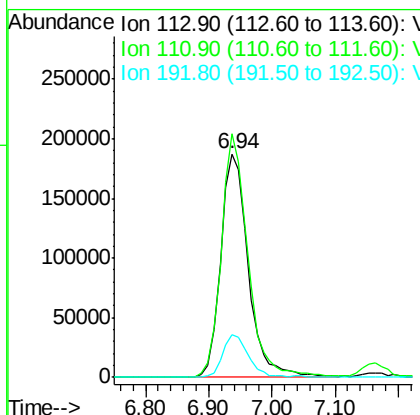
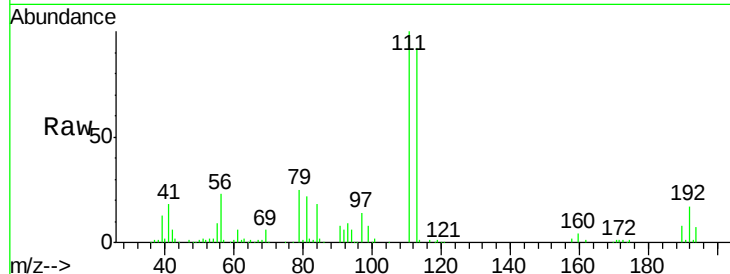
#35
 Dibromofluoromethane
 Concen: 49.963 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. -0.00 min
 Lab File: VD062617.D
 Acq: 5 Jun 2019 17:41

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060519

Tot Ion	Ratio	Resp	Lower	Upper
113	100	567650		
111	109.0	80.1	120.1	
192	19.0	13.0	19.6	

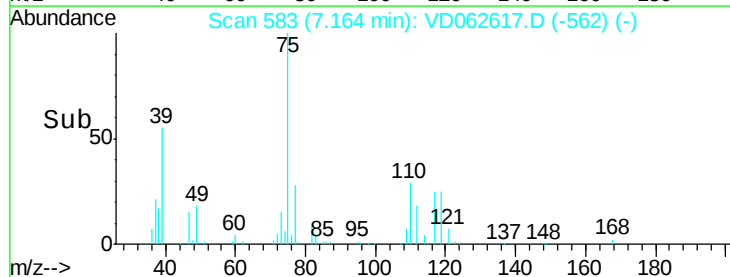
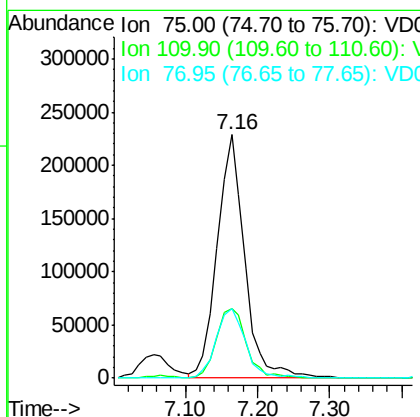
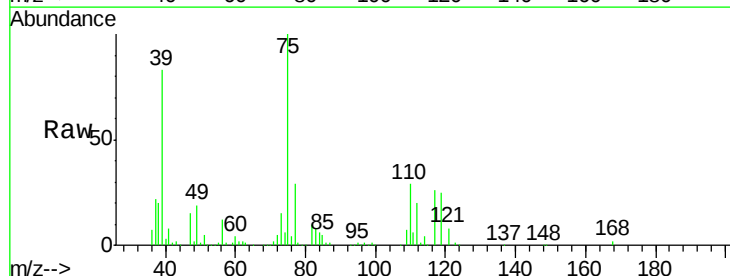
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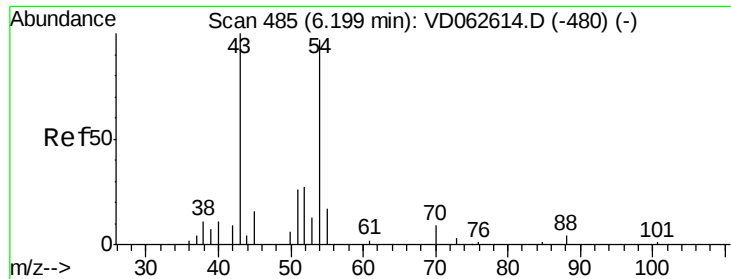
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#36
 1,1-Dichloropropene
 Concen: 49.734 ug/l
 RT: 7.16 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VD062617.D
 Acq: 5 Jun 2019 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	597740		
110	28.8	16.5	49.5	
77	28.6	23.3	34.9	





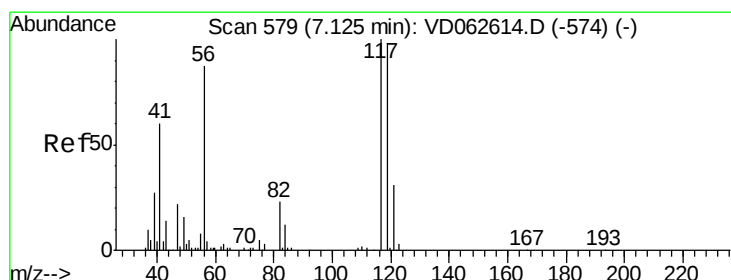
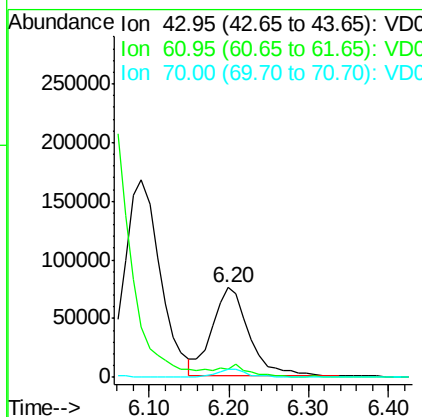
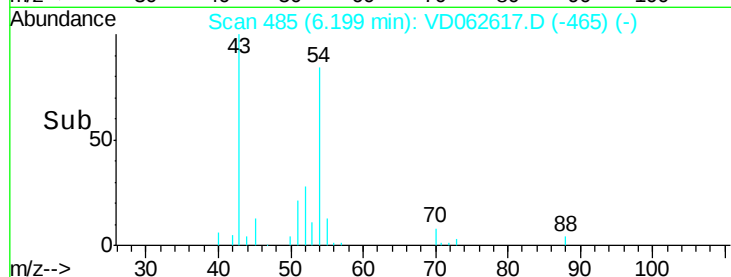
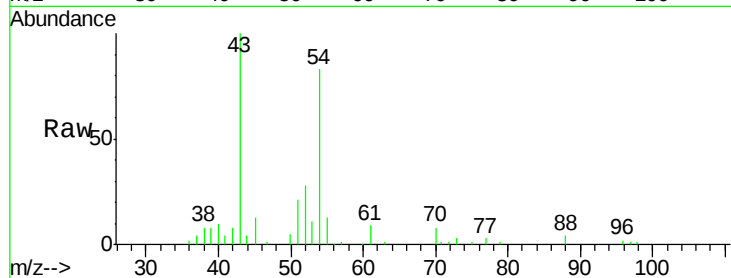
#37
Ethyl Acetate
Concen: 50.620 ug/l
RT: 6.20 min Scan# 485
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Instrument :
MSVOA_D
ClientSampleID :
ICVVD060519

Tot Ion	43	Resp	24511
Ion Ratio	Lower	Upper	
43	100		
61	9.4	8.8	13.2
70	8.4	5.6	8.4

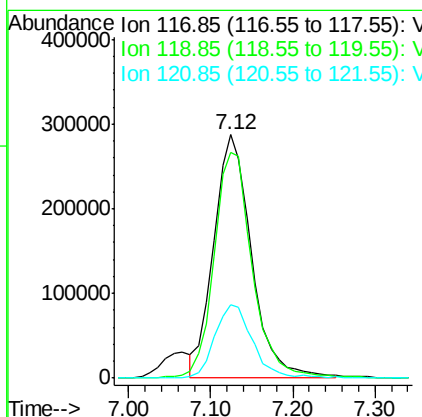
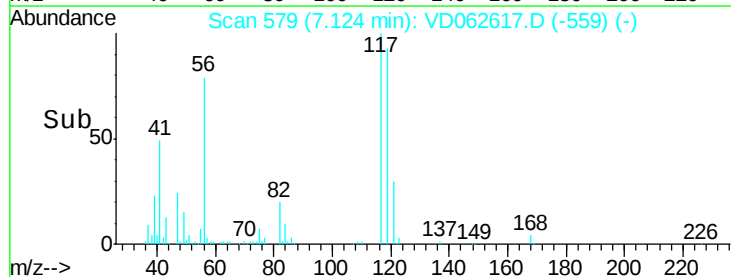
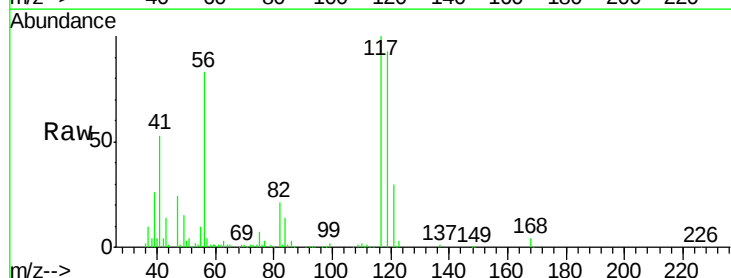
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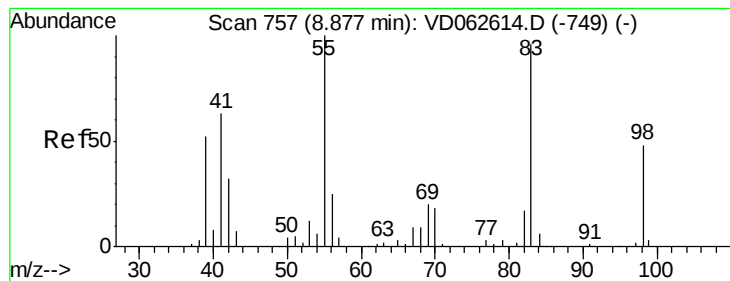
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.918 ug/l m
RT: 7.12 min Scan# 579
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Tgt Ion	117	Resp	918505
Ion Ratio	Lower	Upper	
117	100		
119	92.9	74.1	111.1
121	30.2	23.5	35.3





#39

Methvlcvclohexane

Concen: 49.923 ug/l

RT: 8.88 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060519

Tot Ion: 83 Resp: 512997

Ion Ratio Lower Upper

83 100

55 100.7 83.2 124.8

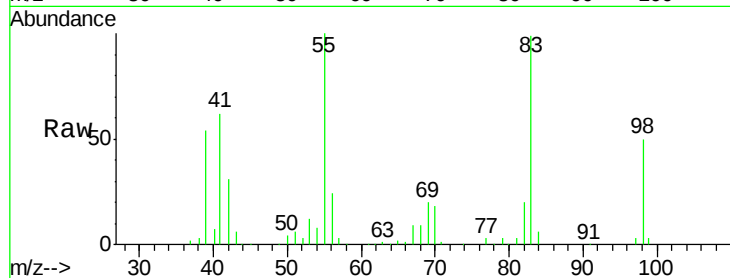
98 50.2 39.8 59.8

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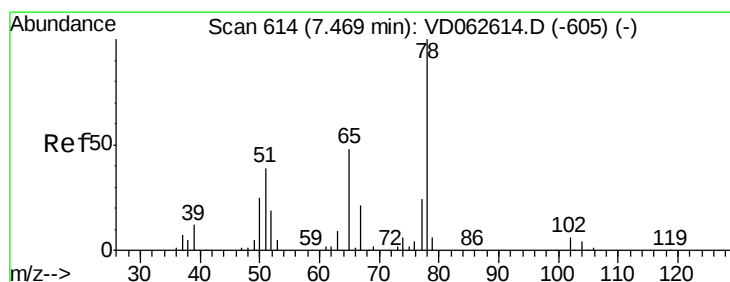
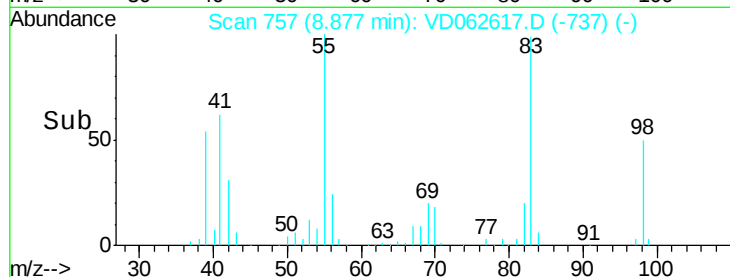
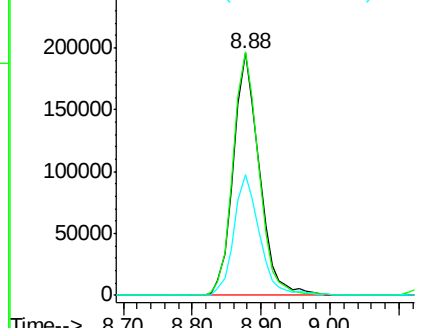
6/6/2019 12:21:40 PM



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 48.970 ug/l

RT: 7.47 min Scan# 614

Delta R.T. -0.00 min

Lab File: VD062617.D

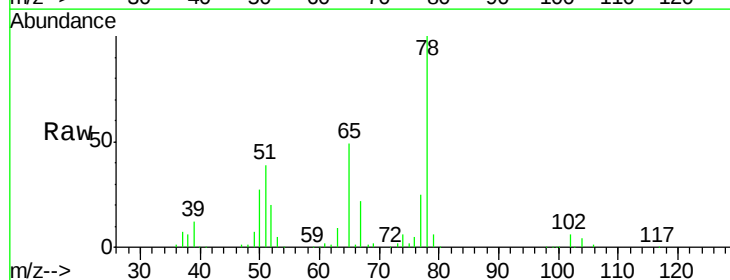
Acq: 5 Jun 2019 17:41

Tgt Ion: 78 Resp: 1162449

Ion Ratio Lower Upper

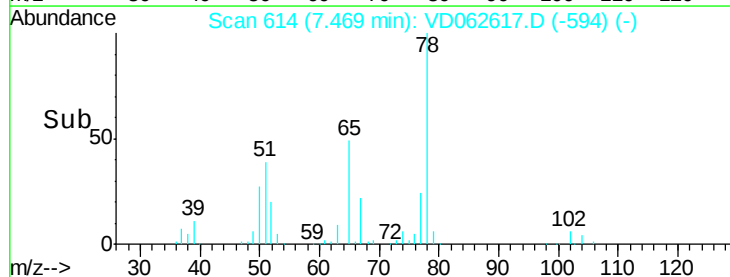
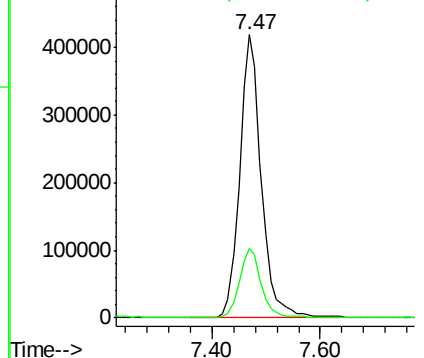
78 100

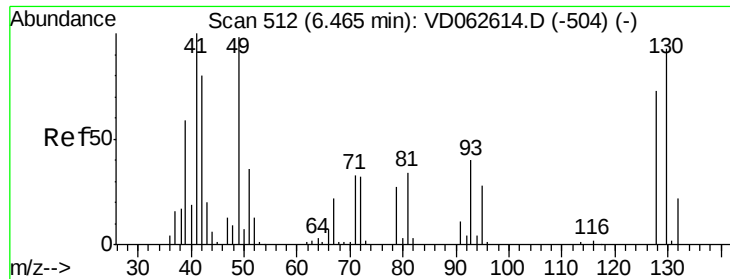
77 24.6 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





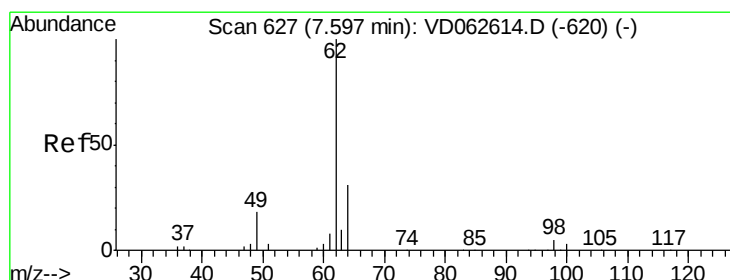
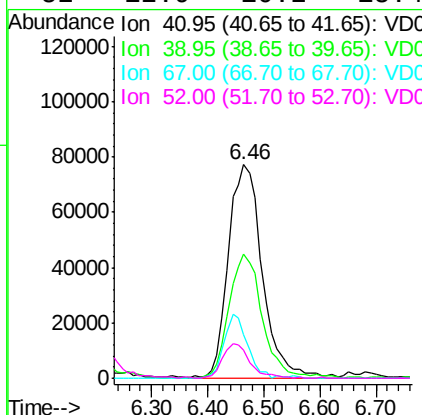
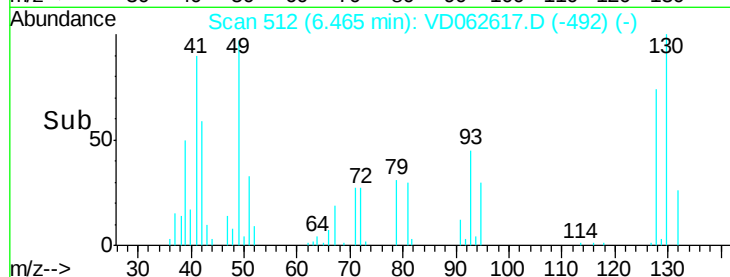
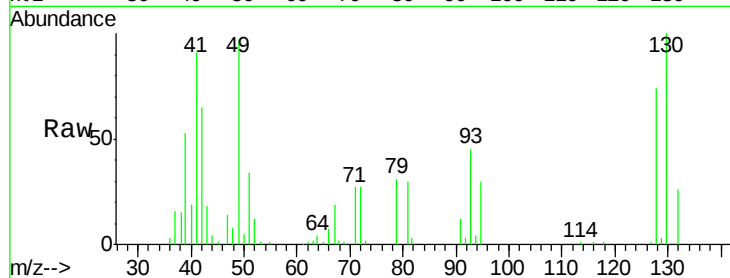
#41
Methacrylonitrile
Concen: 51.788 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
ICVVD060519

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.9	47.5	71.3
67	20.4	17.8	26.6
52	12.9	10.2	15.4

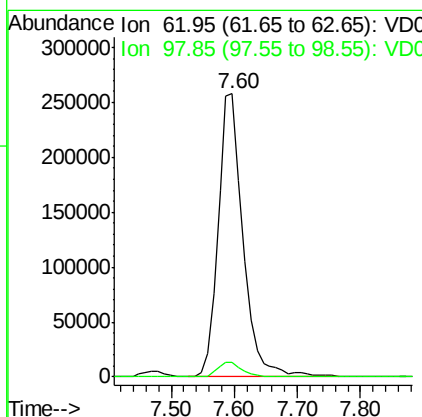
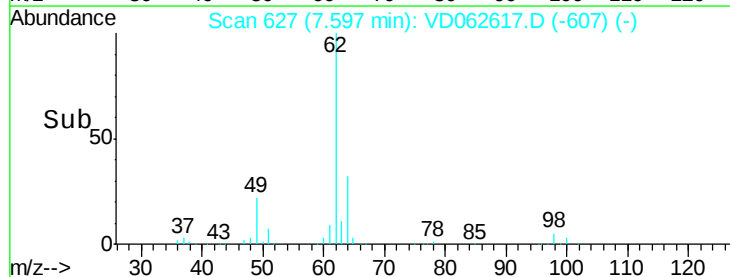
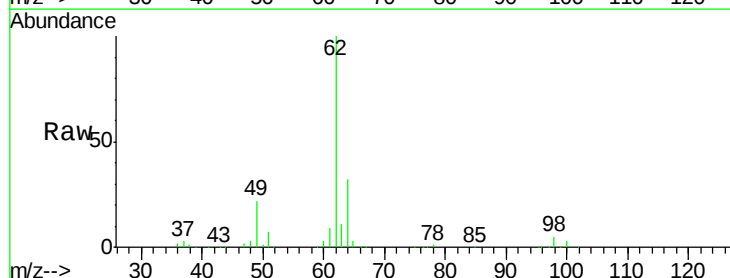
Manual Integrations
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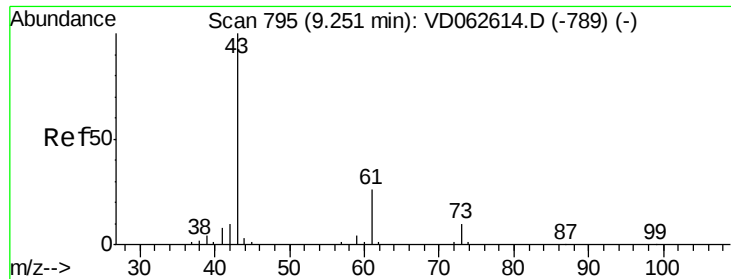
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.295 ug/l
RT: 7.60 min Scan# 627
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.1	0.0	10.2





#43

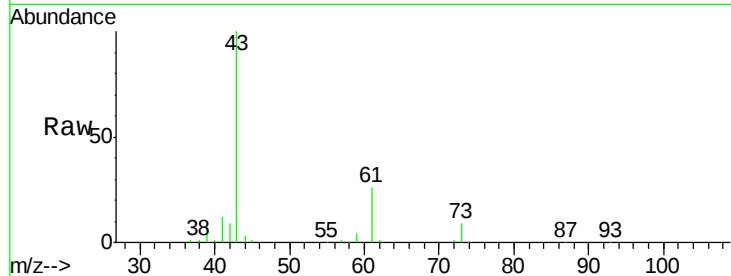
Isopropyl Acetate
 Concen: 52.814 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. -0.00 min
 Lab File: VD062617.D
 Acq: 5 Jun 2019 17:41

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060519

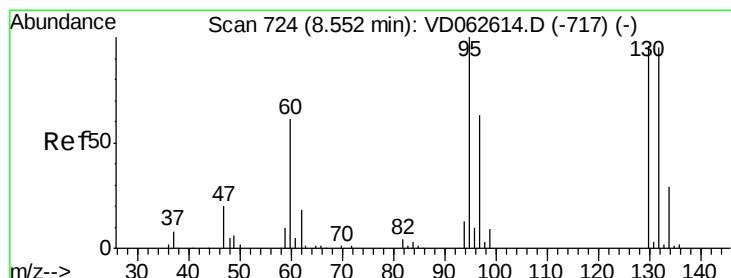
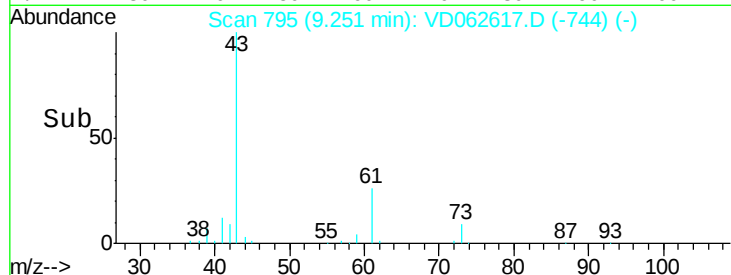
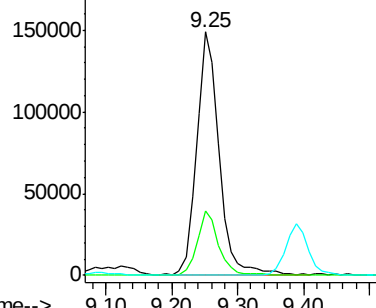
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.4	21.0	31.6
87	0.3	0.2	0.4

Manual Integrations
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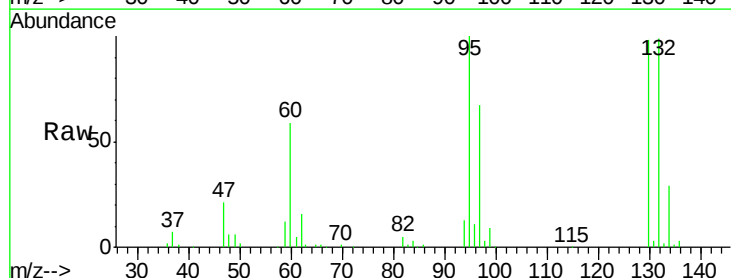
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



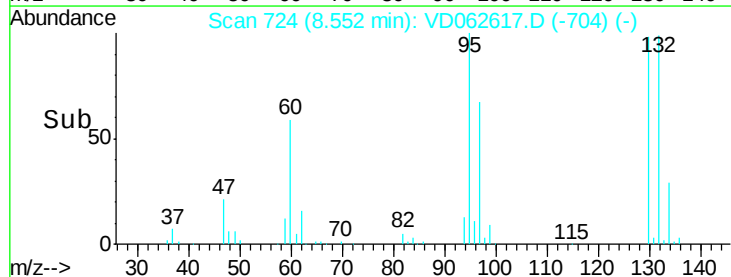
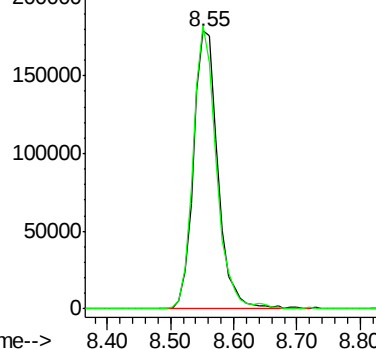
#44

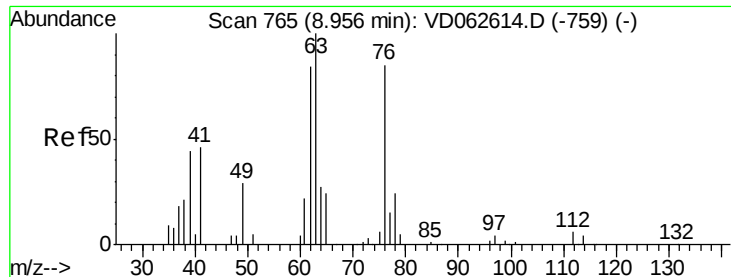
Trichloroethene
 Concen: 49.753 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VD062617.D
 Acq: 5 Jun 2019 17:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	208.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.655 ug/l

RT: 8.96 min Scan# 765

Delta R.T. -0.00 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

Instrument :

MSVOA_D

ClientSampled :

ICVVD060519

Tot Ion: 63 Resp: 301096

Ion Ratio Lower Upper

63 100

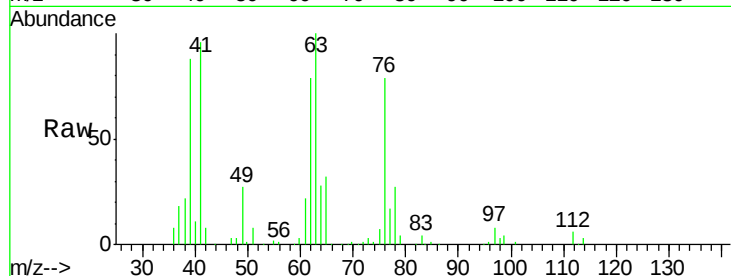
65 32.0 21.7 32.5

Manual Integrations

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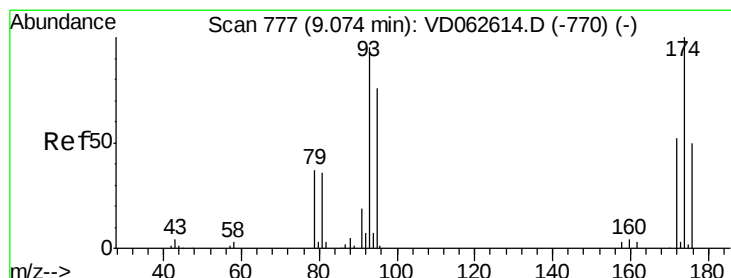
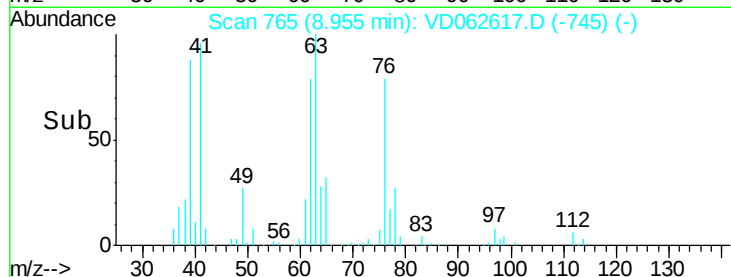
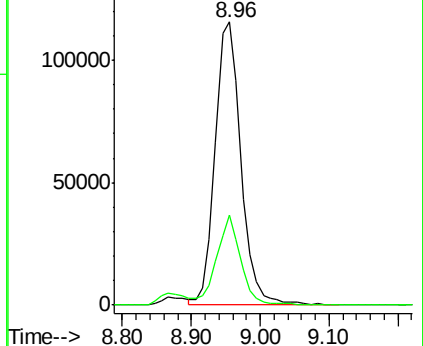
MMDadoda

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 50.146 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.00 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

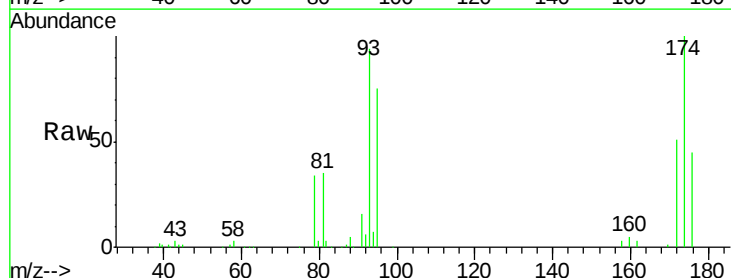
Tgt Ion: 93 Resp: 259317

Ion Ratio Lower Upper

93 100

95 80.5 64.2 96.2

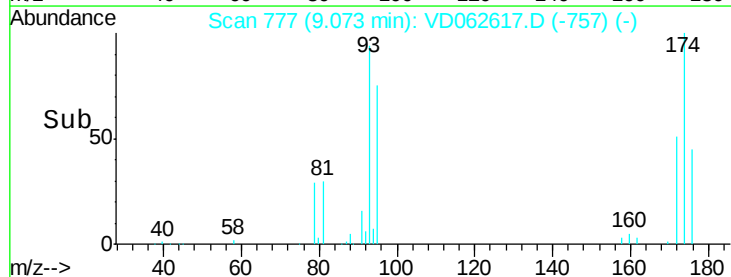
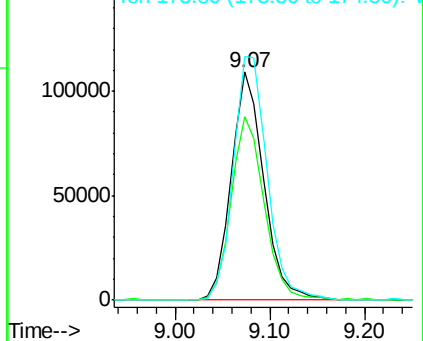
174 106.9 84.1 126.1

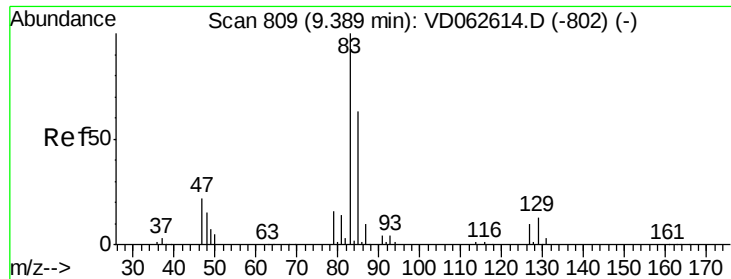


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 51.885 ug/l

RT: 9.39 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

Instrument :

MSVOA_D

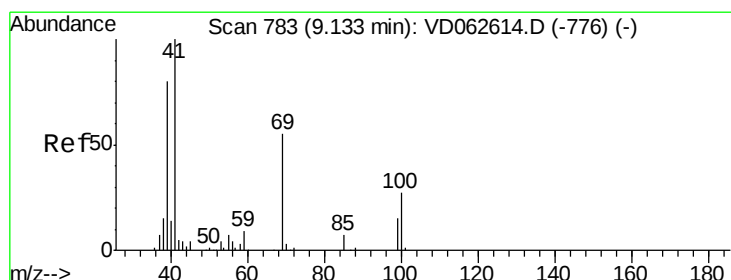
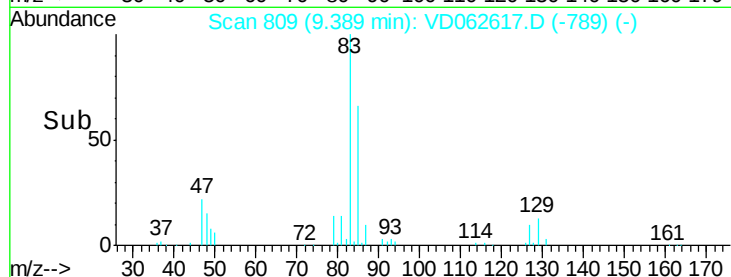
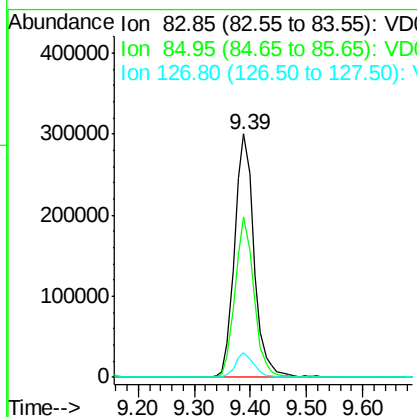
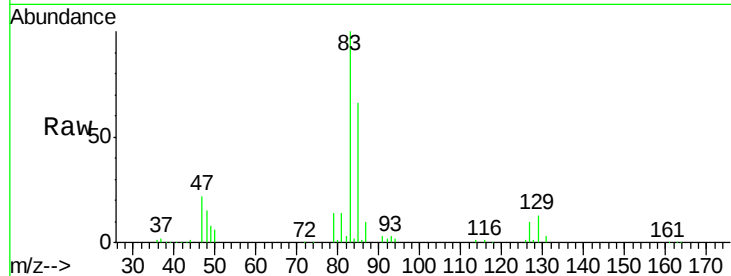
ClientSampleId :

ICVVD060519

Tot Ion:	83	Resp:	722690
Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.2	75.4
127	10.2	7.9	11.9

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#48

Methyl methacrylate

Concen: 49.305 ug/l

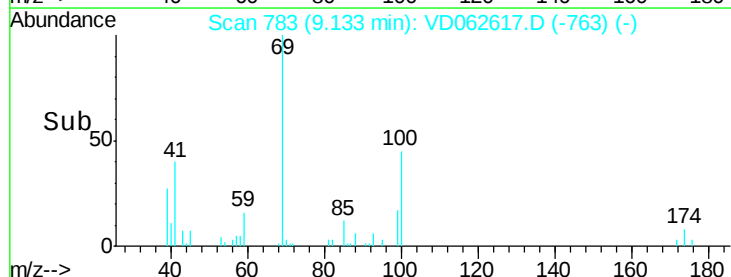
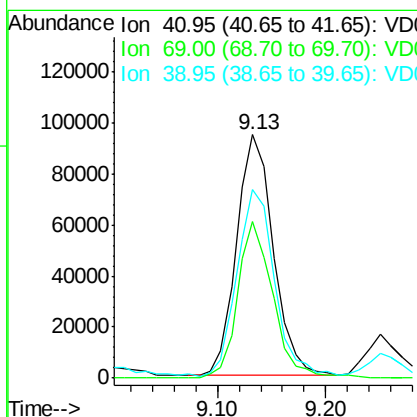
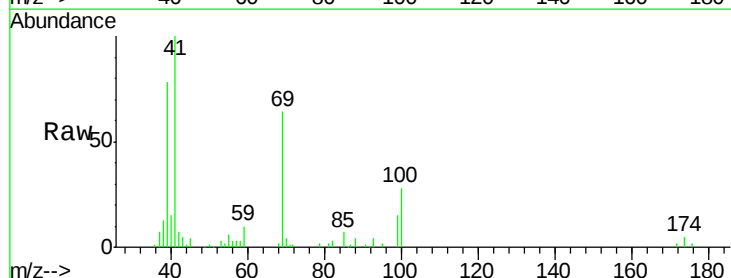
RT: 9.13 min Scan# 783

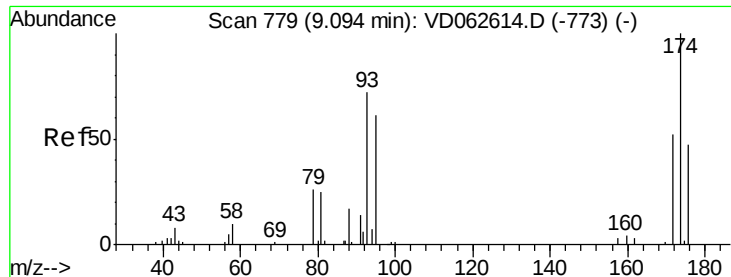
Delta R.T. -0.00 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

Tgt Ion:	41	Resp:	223526
Ion	Ratio	Lower	Upper
41	100		
69	64.2	43.8	65.8
39	77.7	64.0	96.0





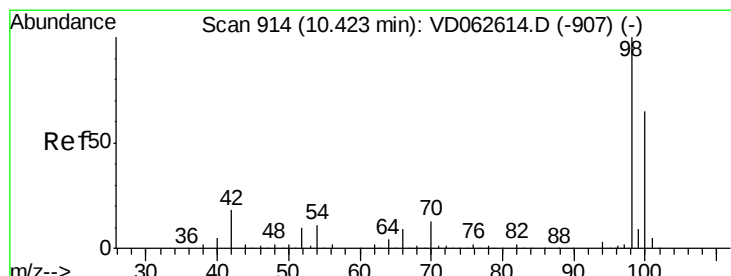
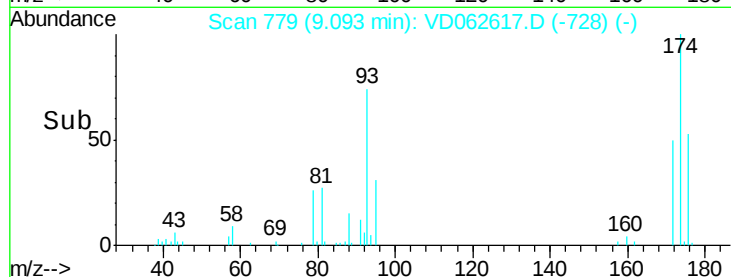
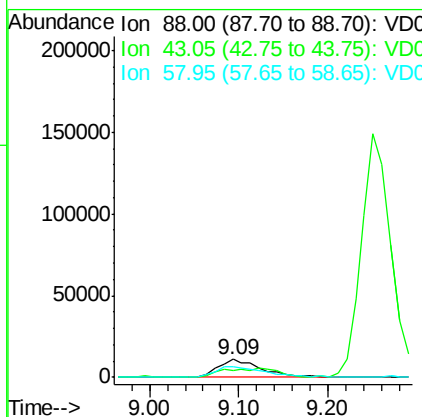
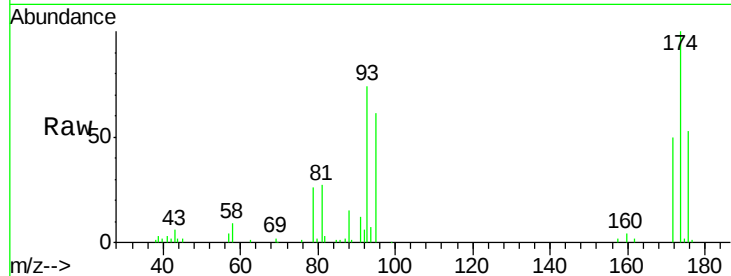
#49
1,4-Dioxane
Concen: 1002.342 ug/l
RT: 9.09 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
ICVVD060519

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.0	39.3	58.9#
58	58.7	45.3	67.9

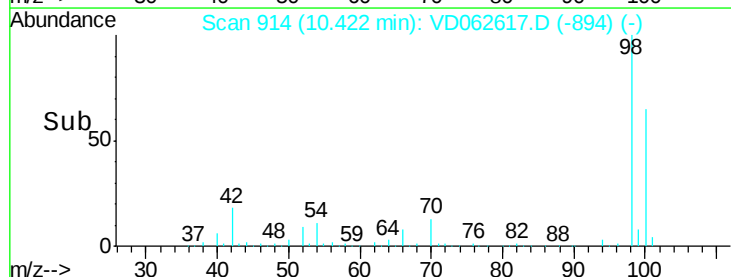
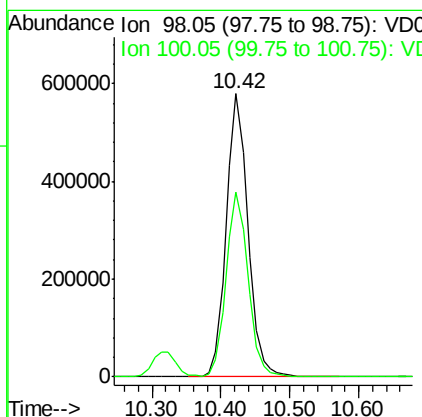
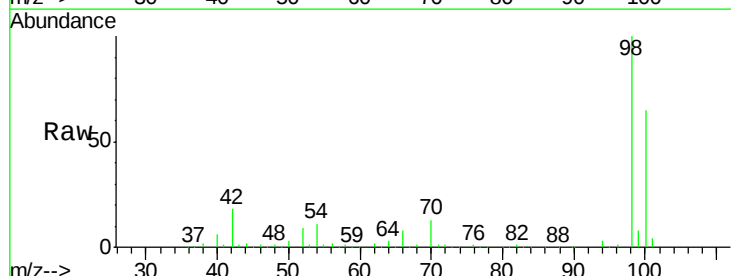
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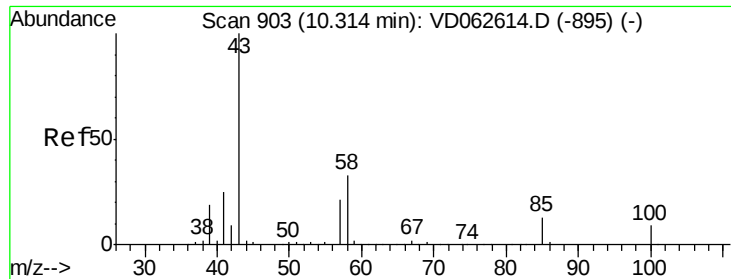
MMDadoda
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#50
Toluene-d8
Concen: 51.663 ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 270.323 ug/l

RT: 10.31 min Scan# 903

Delta R.T. -0.00 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

Instrument :

MSVOA_D

ClientSampleID :

ICVVD060519

Tot Ion: 43 Resp: 1173372

Ion Ratio Lower Upper

43 100

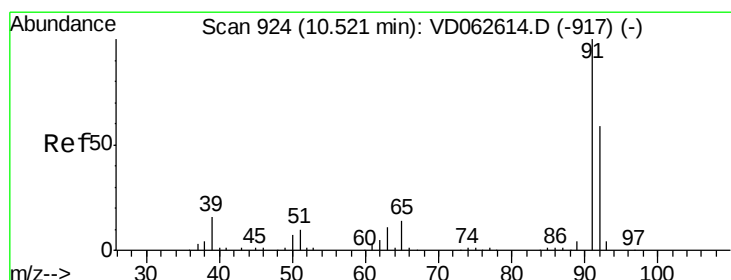
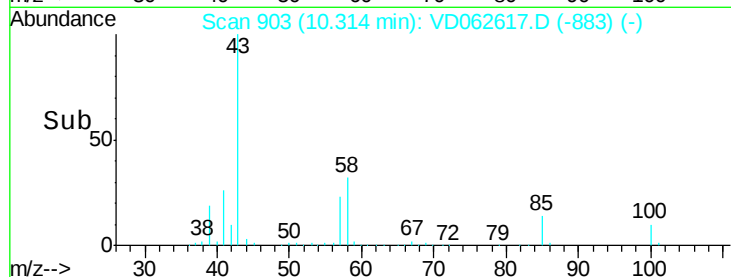
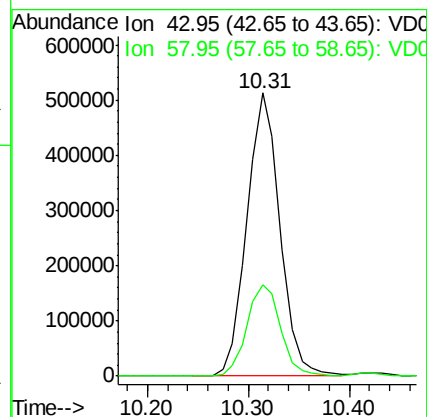
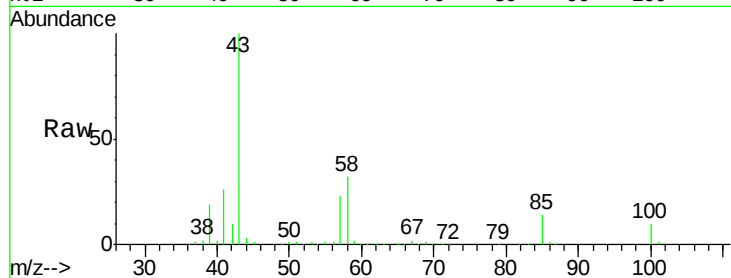
58 32.2 26.8 40.2

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#52

Toluene

Concen: 52.522 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD062617.D

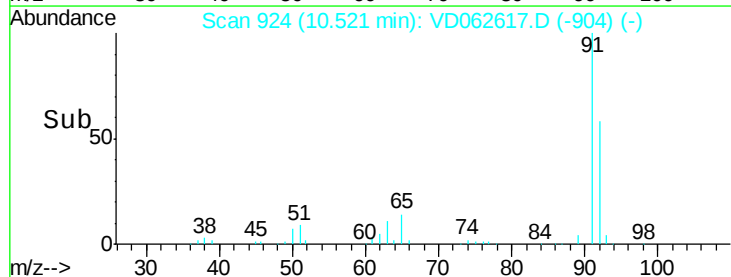
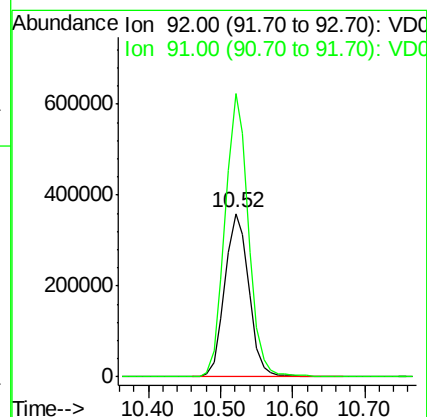
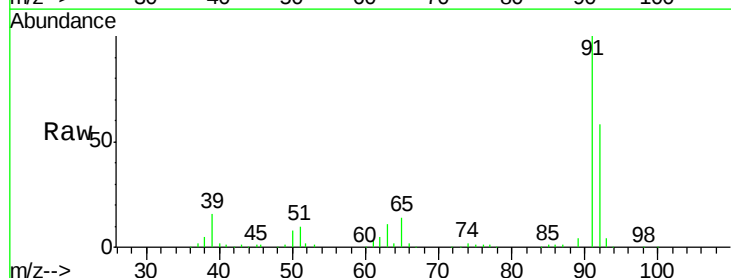
Acq: 5 Jun 2019 17:41

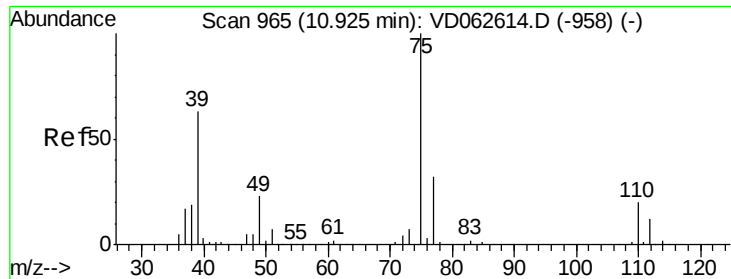
Tgt Ion: 92 Resp: 826947

Ion Ratio Lower Upper

92 100

91 173.1 134.7 202.1





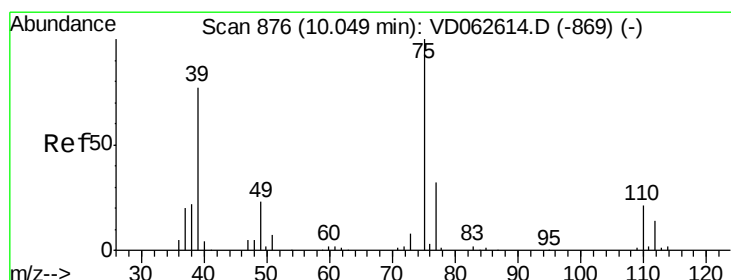
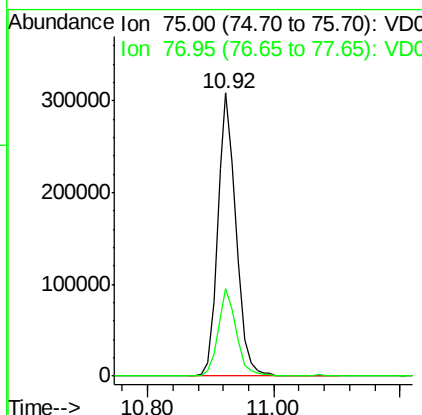
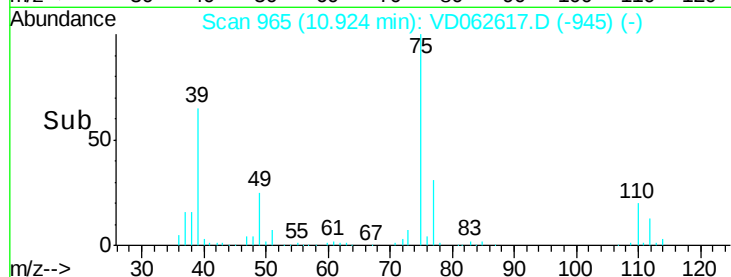
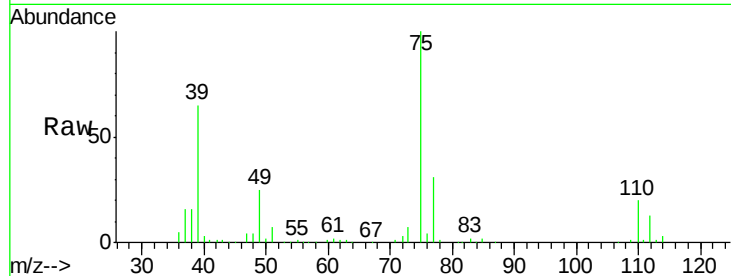
#53
 t-1,3-Dichloropropene
 Concen: 54.270 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VD062617.D
 Acq: 5 Jun 2019 17:41

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060519

Tot Ion: 75 Resp: 627637
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.4 38.2

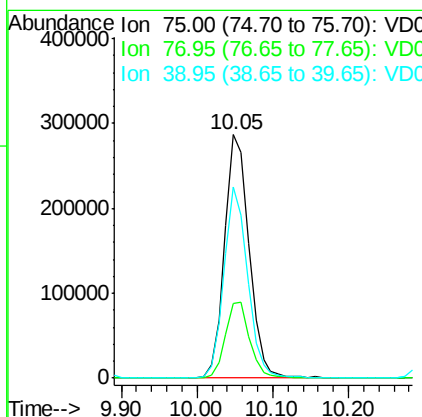
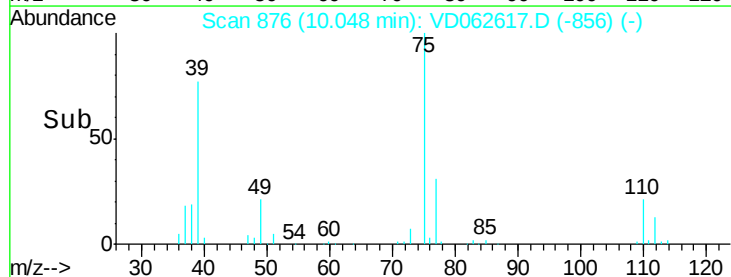
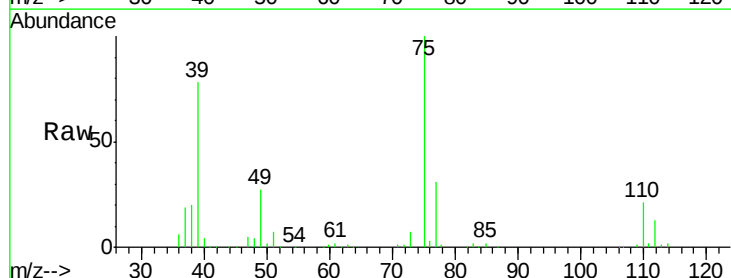
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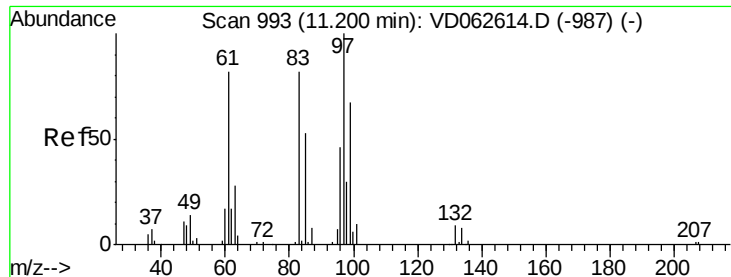
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#54
 cis-1,3-Dichloropropene
 Concen: 54.733 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. -0.00 min
 Lab File: VD062617.D
 Acq: 5 Jun 2019 17:41

Tgt Ion: 75 Resp: 644598
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.6 38.4
 39 78.4 61.2 91.8





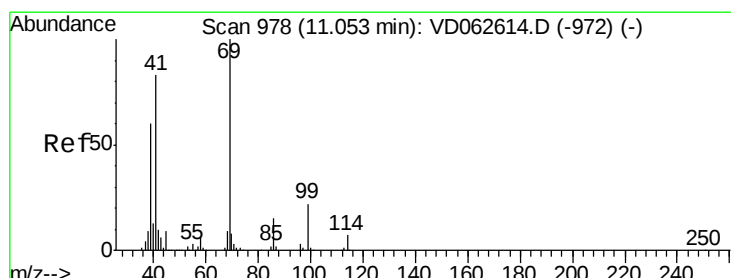
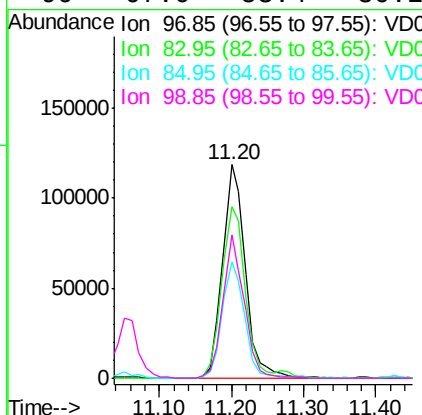
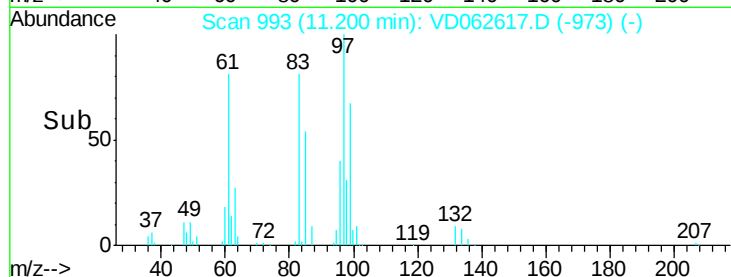
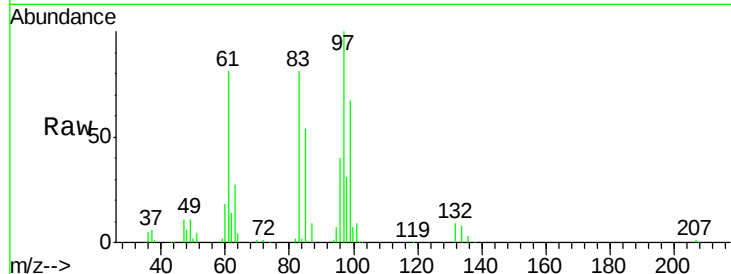
#55
 1,1,2-Trichloroethane
 Concen: 48.068 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VD062617.D
 Acq: 5 Jun 2019 17:41

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060519

Tot Ion:	97	Resp:	259649
Ion	Ratio	Lower	Upper
97	100		
83	80.5	65.9	98.9
85	54.4	42.6	63.8
99	67.0	53.4	80.2

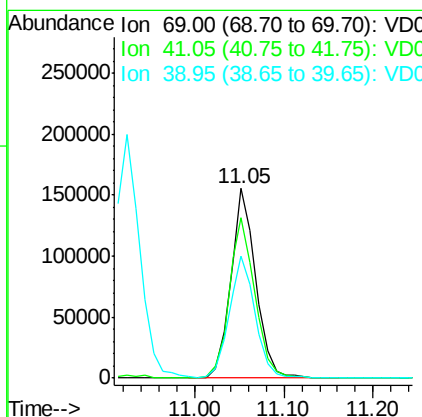
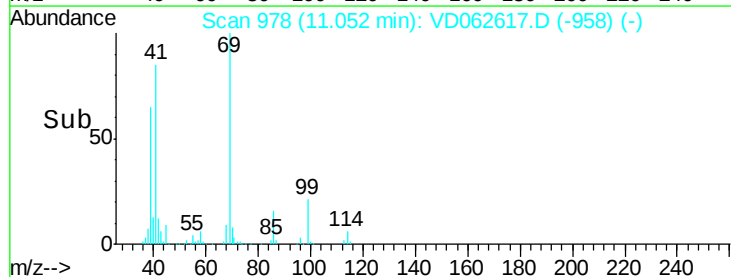
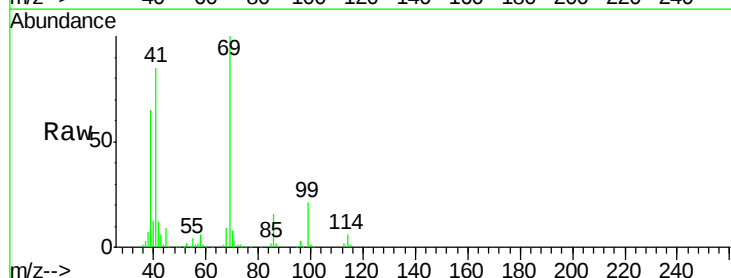
Manual Integrations
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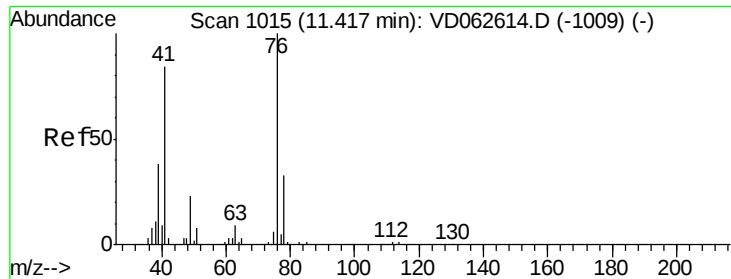
MMDadoda
 6/6/2019 12:21:40 PM



#56
 Ethyl methacrylate
 Concen: 50.780 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VD062617.D
 Acq: 5 Jun 2019 17:41

Tgt Ion:	69	Resp:	305702
Ion	Ratio	Lower	Upper
69	100		
41	84.9	66.3	99.5
39	64.6	48.3	72.5





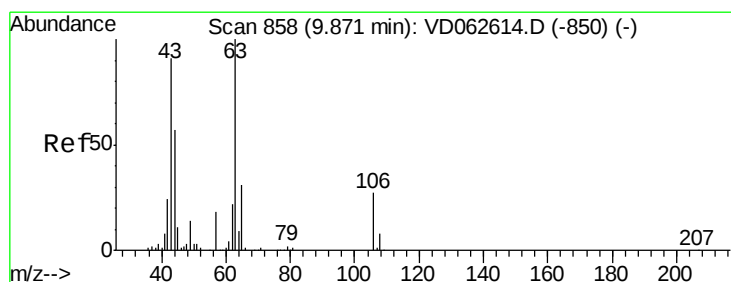
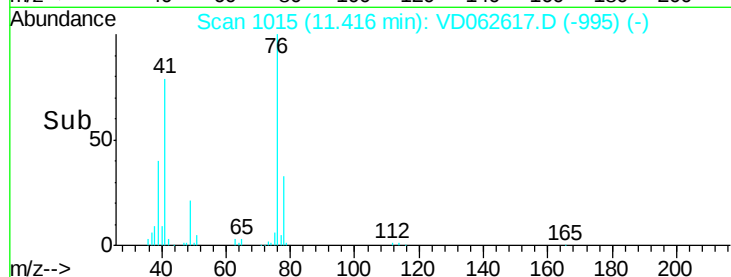
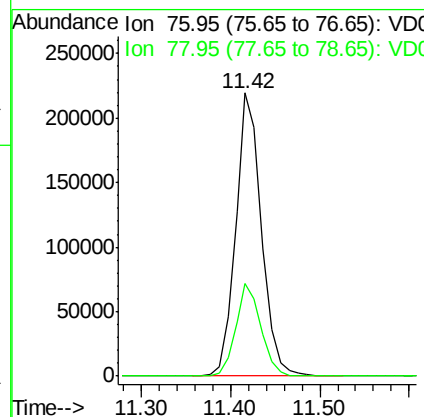
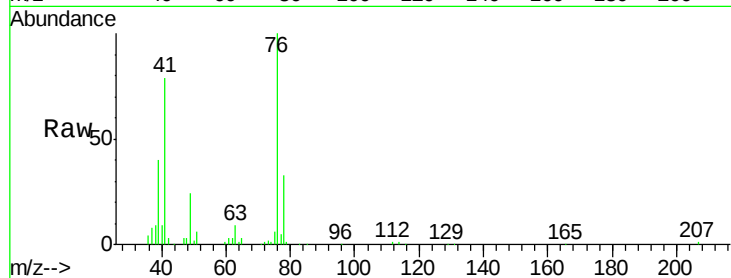
#57
 1,3-Dichloropropane
 Concen: 52.493 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VD062617.D
 Acq: 5 Jun 2019 17:41

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060519

Tot Ion: 76 Resp: 442701
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.4 39.6

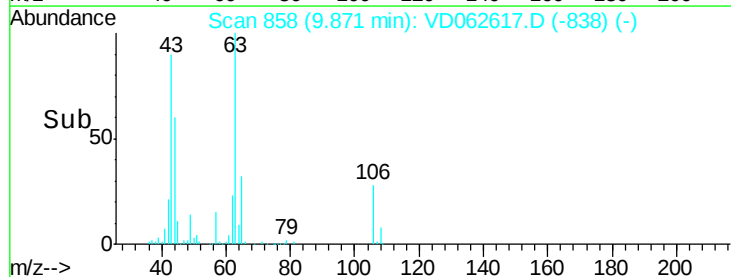
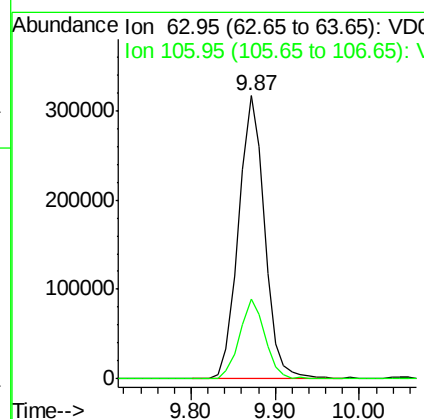
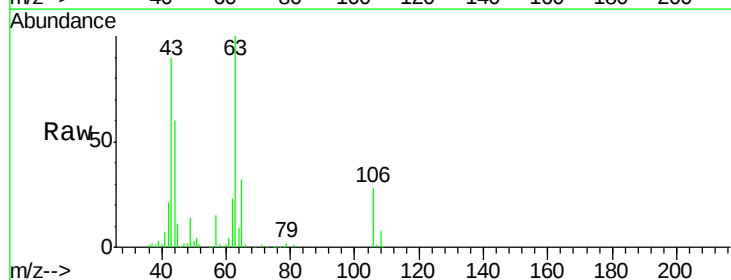
Manual Integrations
 APPROVED

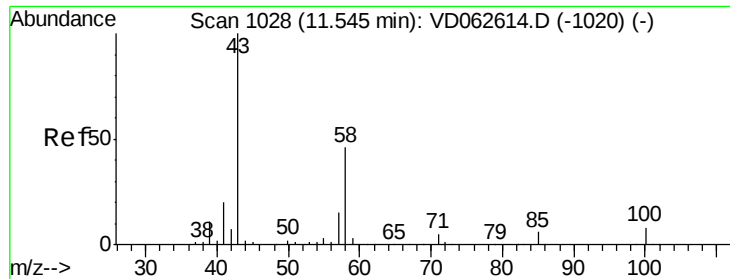
MMDadoda
 6/6/2019 12:21:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 221.190 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. -0.00 min
 Lab File: VD062617.D
 Acq: 5 Jun 2019 17:41

Tgt Ion: 63 Resp: 682965
 Ion Ratio Lower Upper
 63 100
 106 28.3 21.3 31.9





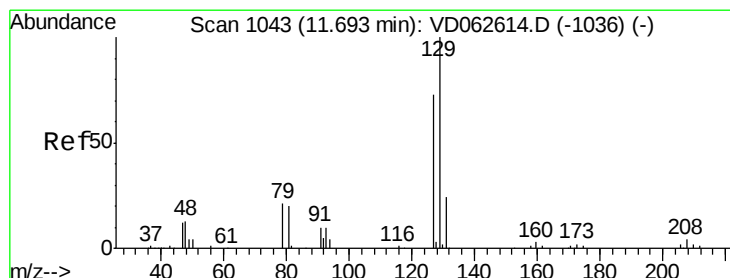
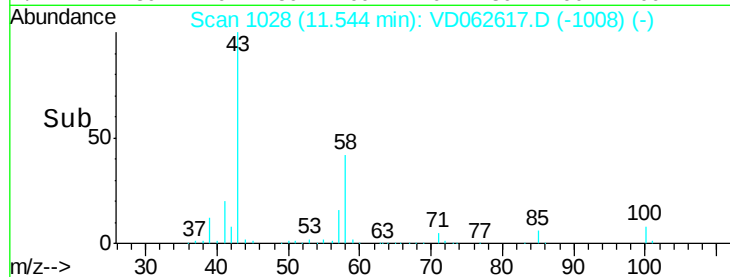
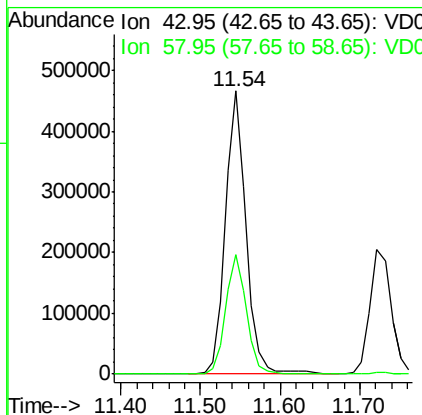
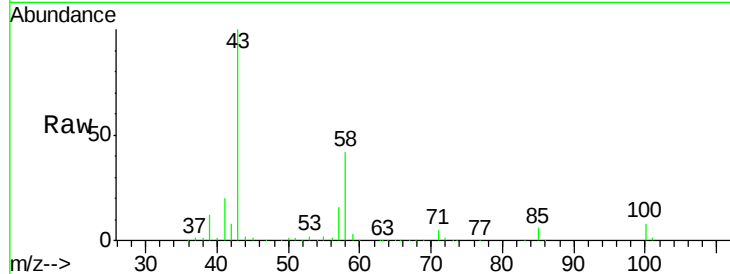
#59
2-Hexanone
Concen: 258.874 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
ICVVD060519

Tot Ion: 43 Resp: 852024
Ion Ratio Lower Upper
43 100
58 42.1 22.8 68.3

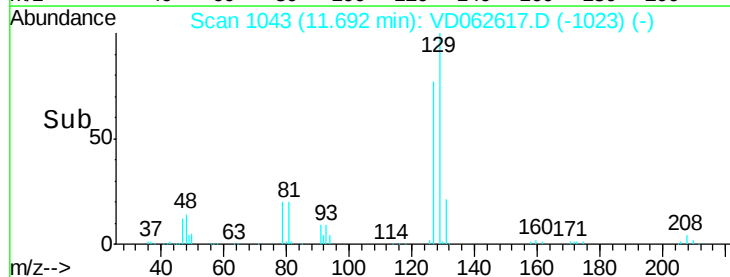
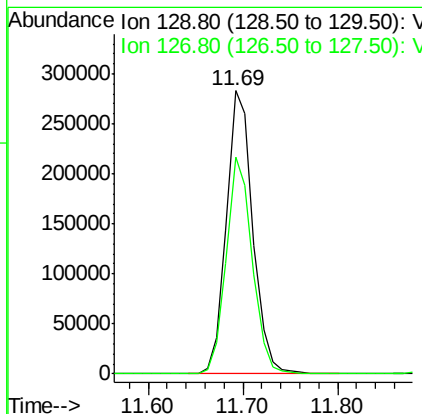
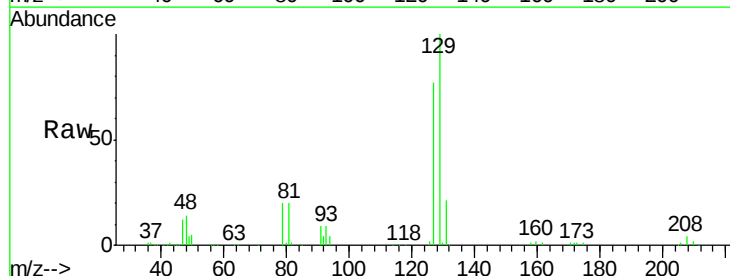
Manual Integrations
APPROVED

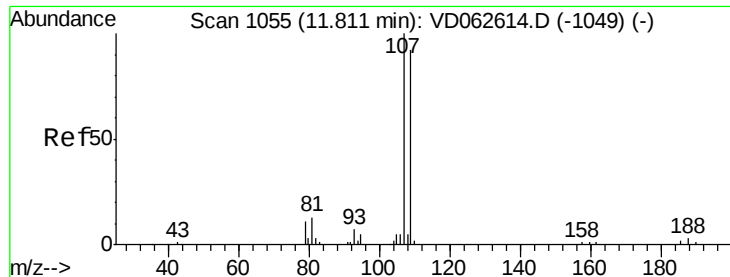
MMDadoda
6/6/2019 12:21:40 PM



#60
Dibromochloromethane
Concen: 51.799 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Tgt Ion:129 Resp: 546732
Ion Ratio Lower Upper
129 100
127 76.6 36.6 109.9





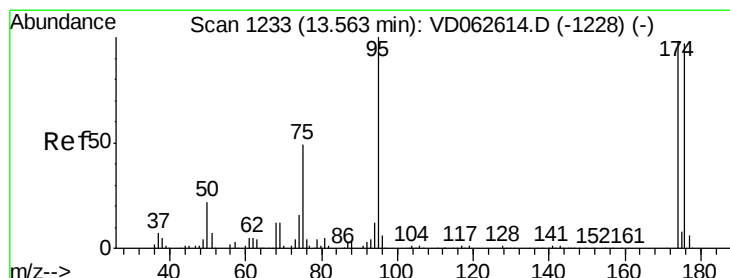
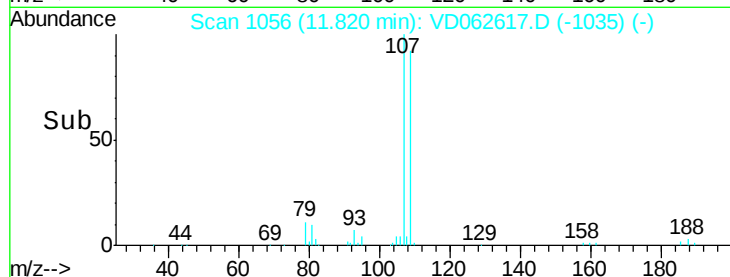
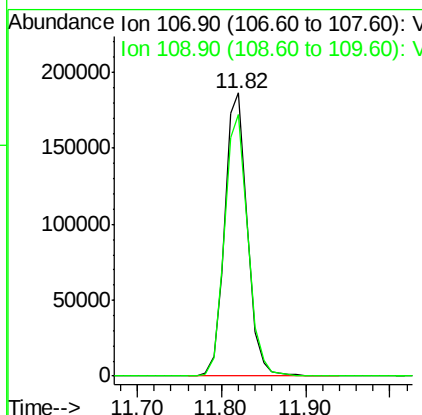
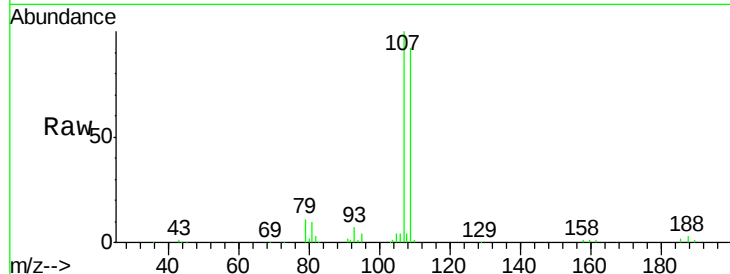
#61
 1,2-Dibromoethane
 Concen: 52.318 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VD062617.D
 Acq: 5 Jun 2019 17:41

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060519

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	73.8	110.8

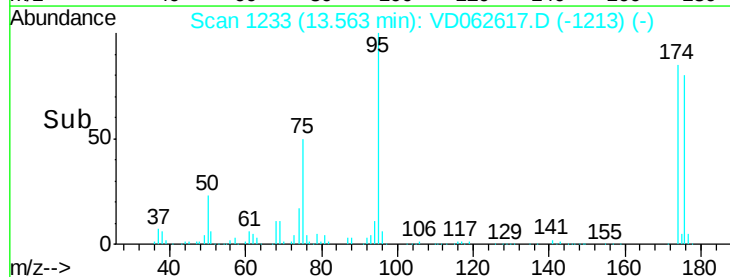
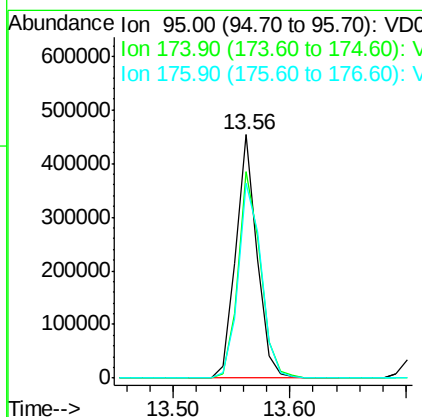
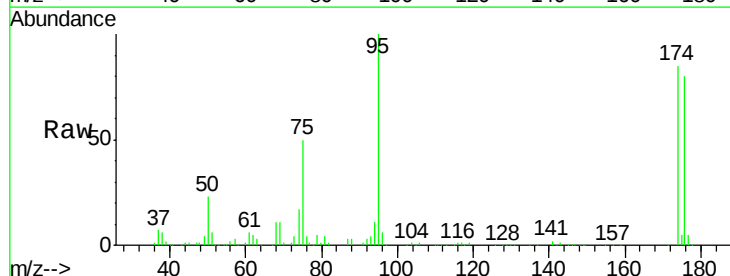
Manual Integrations
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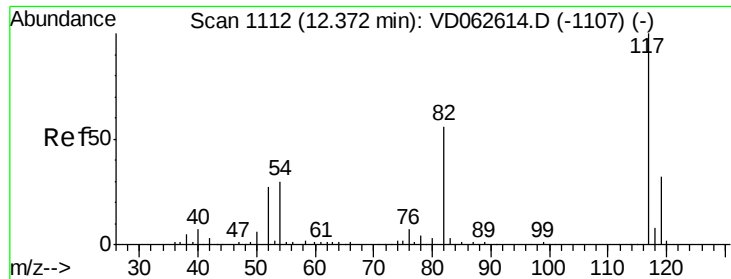
MMDadoda
 6/6/2019 12:21:40 PM



#62
 4-Bromofluorobenzene
 Concen: 49.463 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD062617.D
 Acq: 5 Jun 2019 17:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	195.8
176	80.3	0.0	193.2





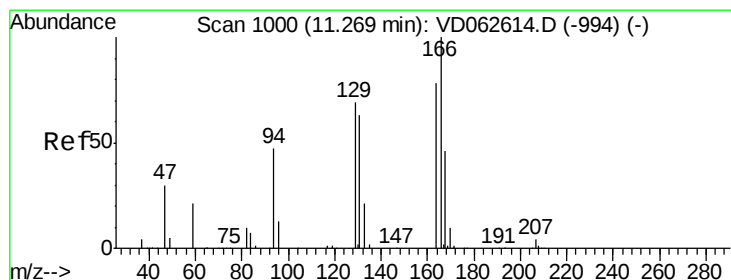
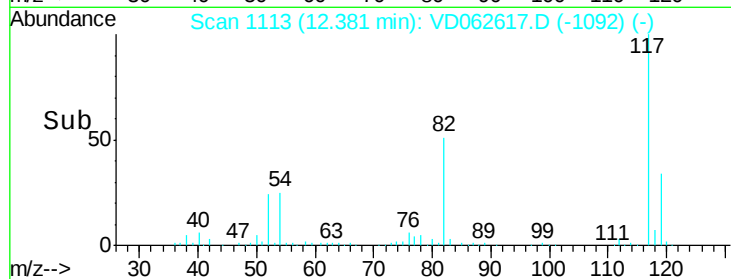
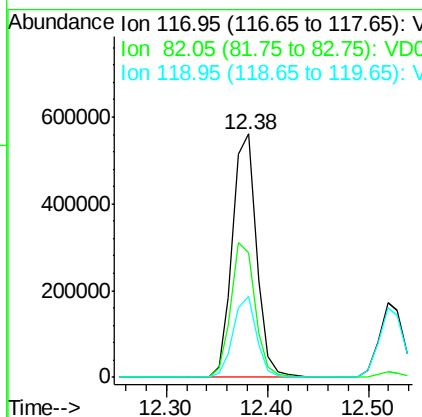
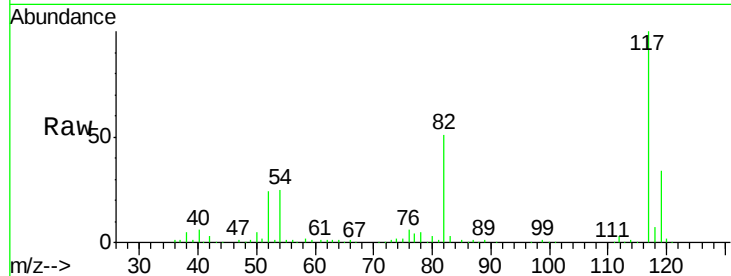
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
ICVVD060519

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	45.0	67.6
119	33.5	25.7	38.5

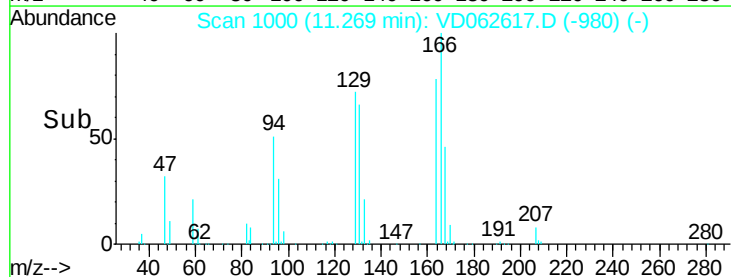
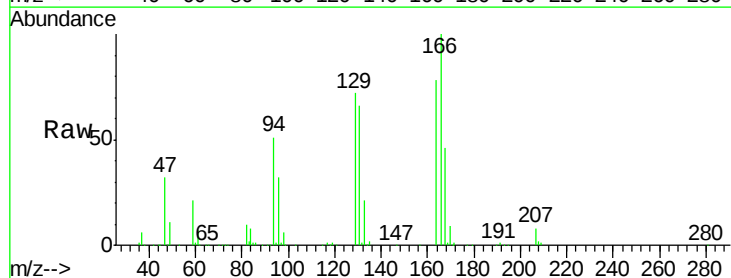
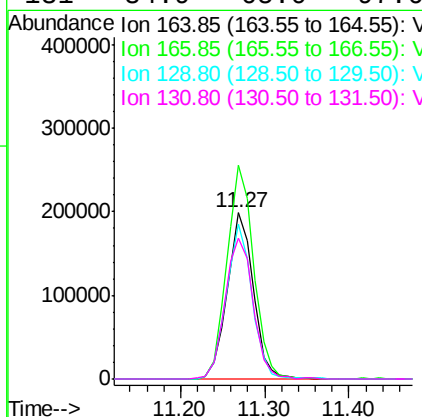
Manual Integrations
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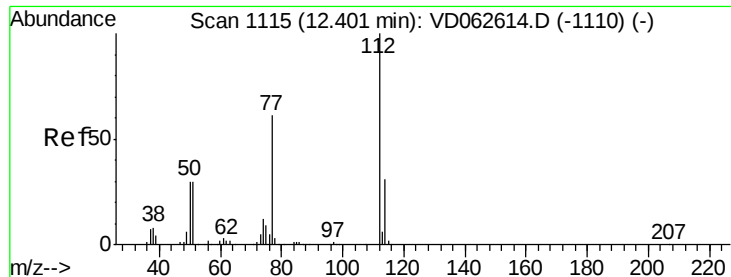
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#64
Tetrachloroethene
Concen: 50.520 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.6	153.8
129	93.0	70.3	105.5
131	84.9	65.0	97.6





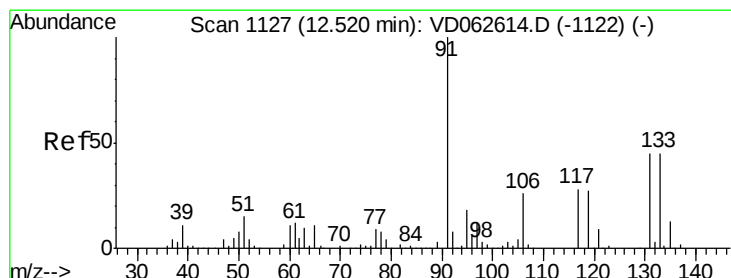
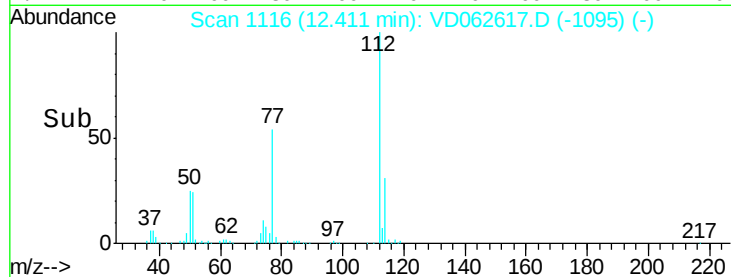
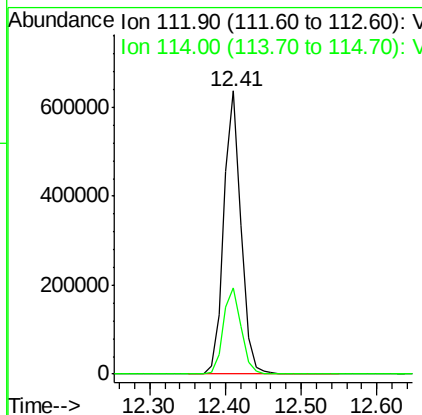
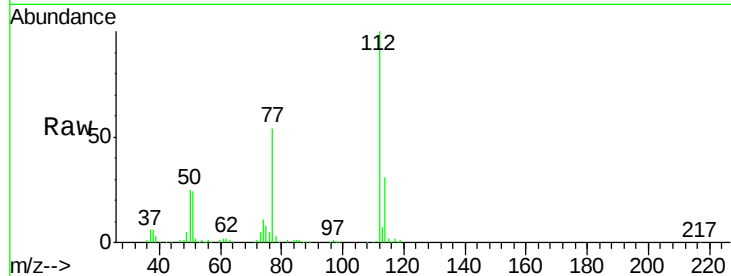
#65
Chlorobenzene
Concen: 51.350 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
ICVVD060519

Tot Ion:112 Resp: 1000627
Ion Ratio Lower Upper
112 100
114 30.7 25.0 37.6

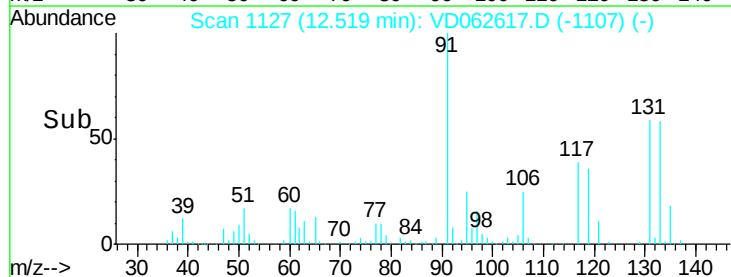
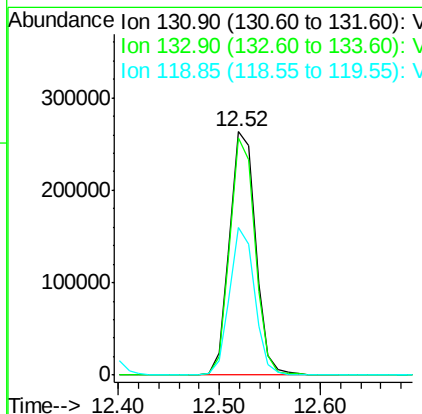
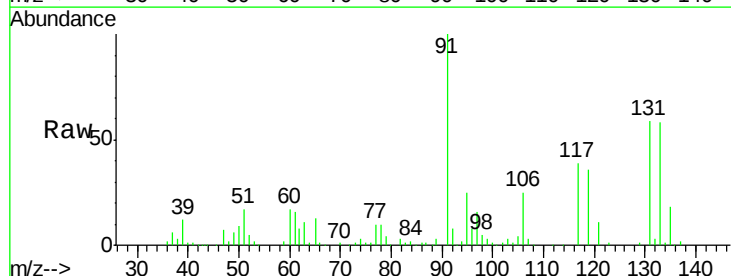
Manual Integrations
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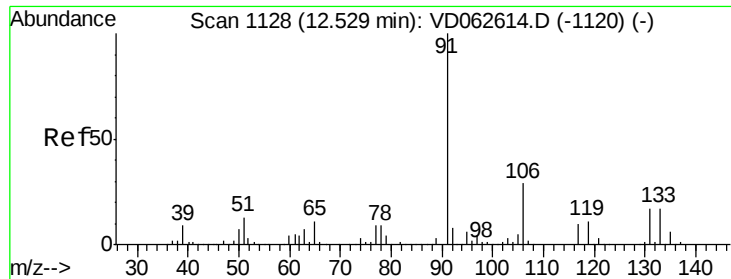
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.532 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Tgt Ion:131 Resp: 473336
Ion Ratio Lower Upper
131 100
133 97.5 50.1 150.4
119 60.8 30.1 90.3





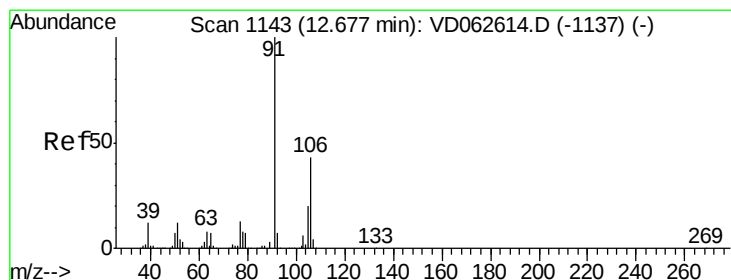
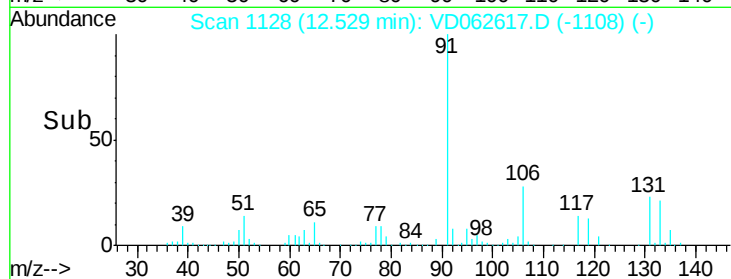
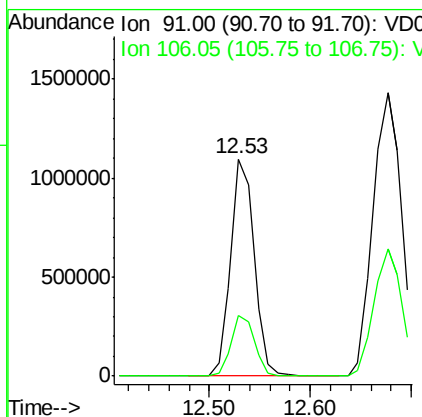
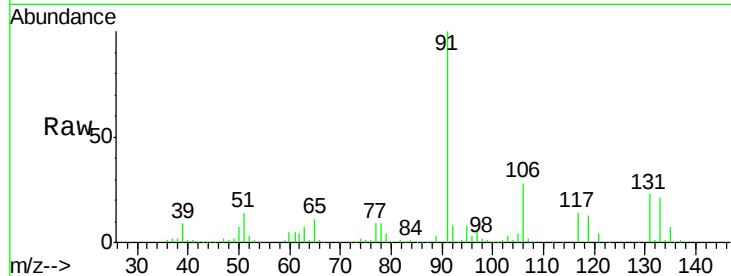
#67
Ethyl Benzene
Concen: 50.629 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
ICVVD060519

Tot Ion: 91 Resp: 1783157
Ion Ratio Lower Upper
91 100
106 27.8 23.0 34.4

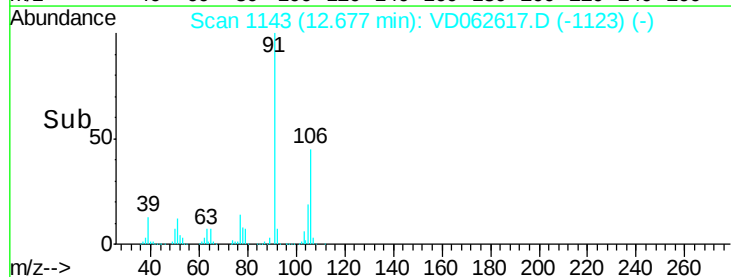
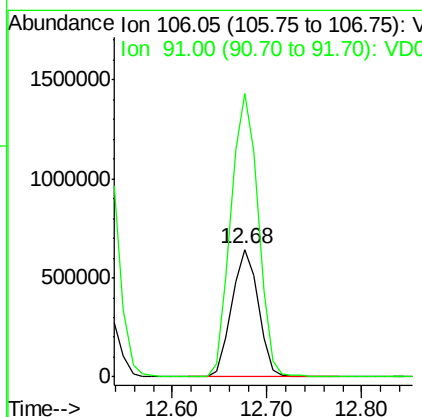
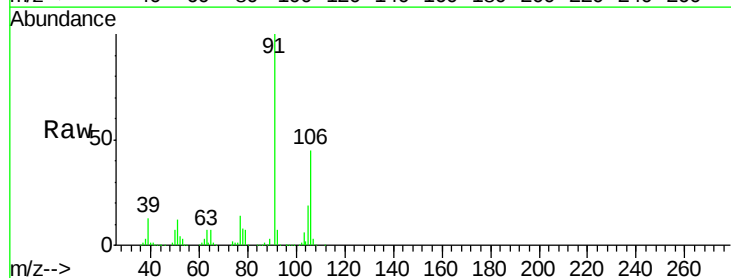
Manual Integrations
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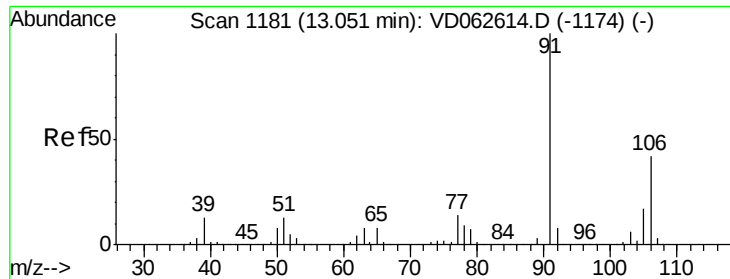
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#68
m/p-Xylenes
Concen: 101.688 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Tgt Ion: 106 Resp: 1249263
Ion Ratio Lower Upper
106 100
91 221.8 184.1 276.1





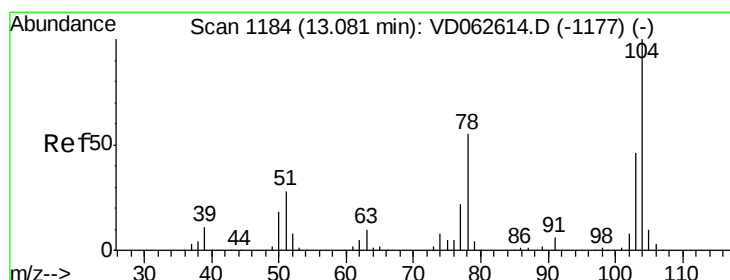
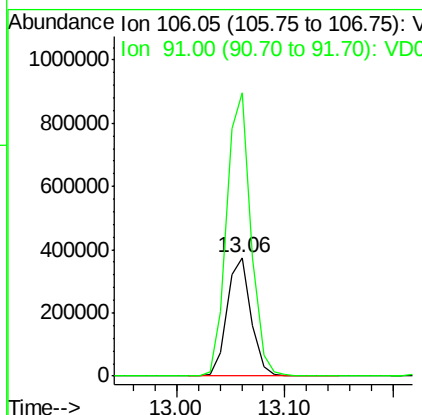
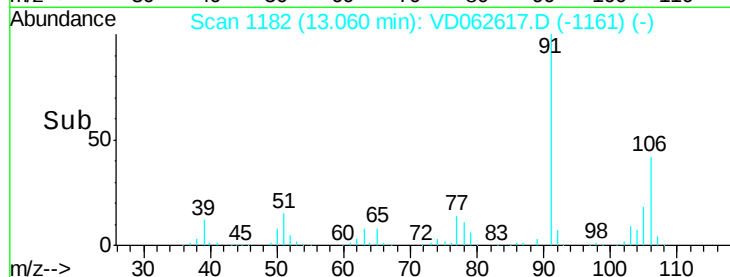
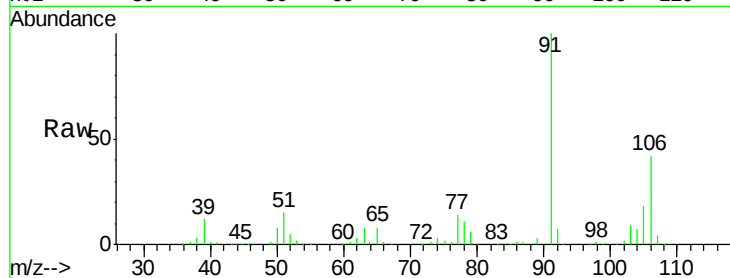
#69
o-Xylene
Concen: 48.868 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Instrument :
MSVOA_D
ClientSampleID :
ICVVD060519

Tot Ion:106 Resp: 578447
Ion Ratio Lower Upper
106 100
91 238.5 118.8 356.5

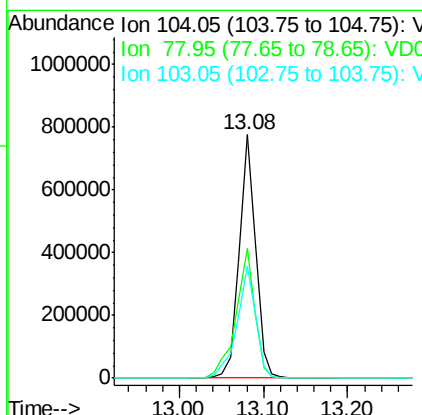
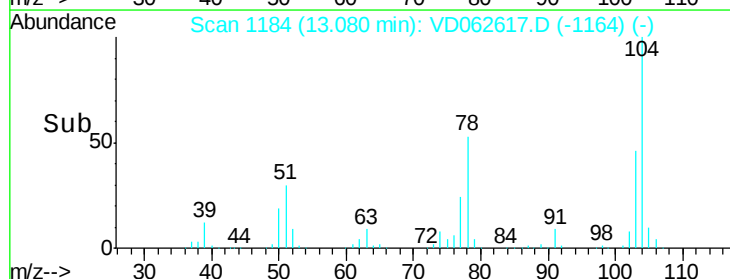
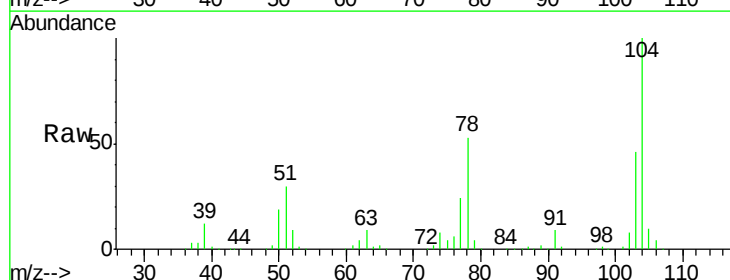
Manual Integrations
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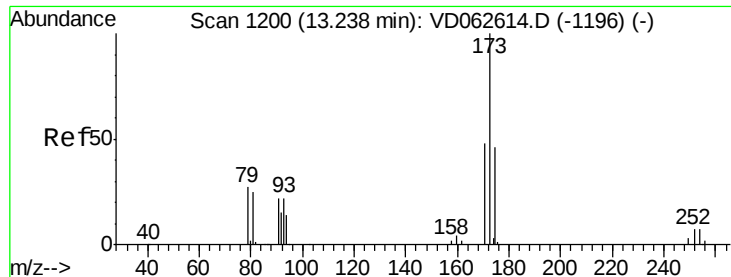
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#70
Styrene
Concen: 53.040 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Tgt Ion:104 Resp: 1054738
Ion Ratio Lower Upper
104 100
78 53.2 43.8 65.8
103 46.1 36.6 54.8





#71

Bromoform

Concen: 51.011 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

Instrument :

MSVOA_D

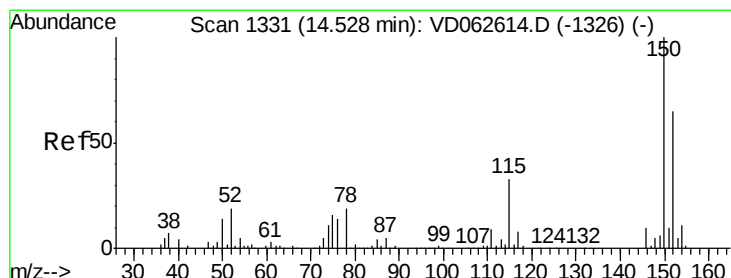
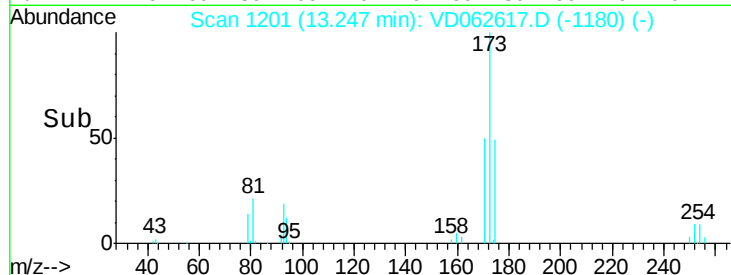
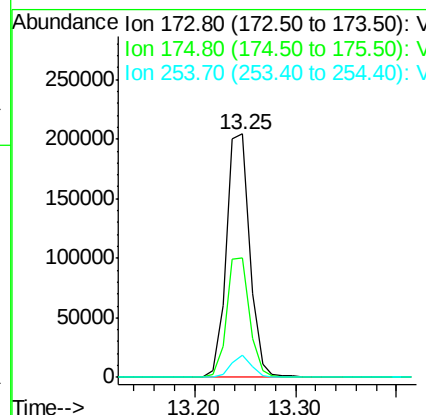
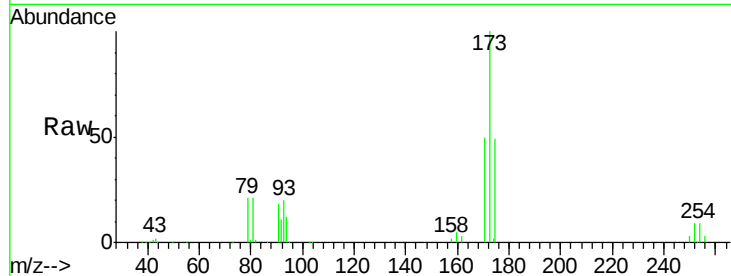
ClientSampleId :

ICVVD060519

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.2	69.5
254	9.3	5.9	8.9

Manual Integrations
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6/6/2019 12:21:40 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

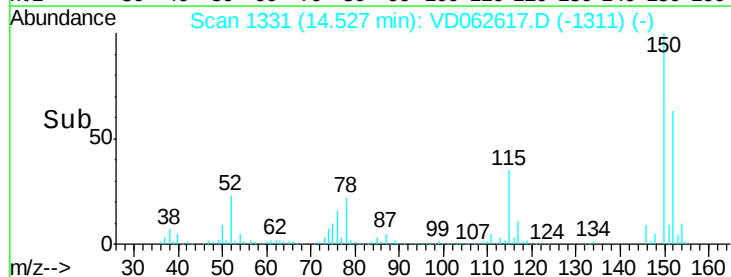
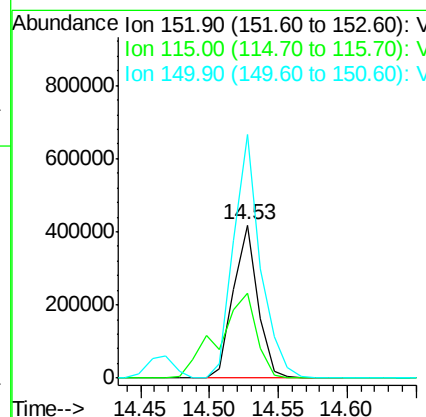
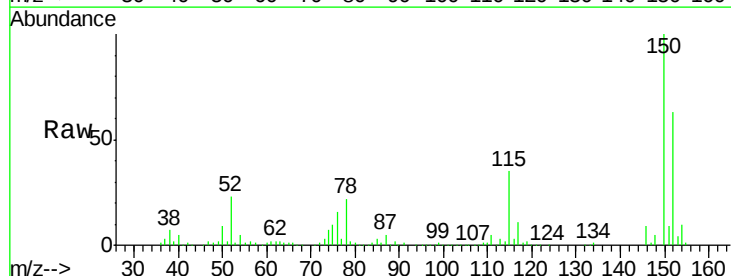
RT: 14.53 min Scan# 1331

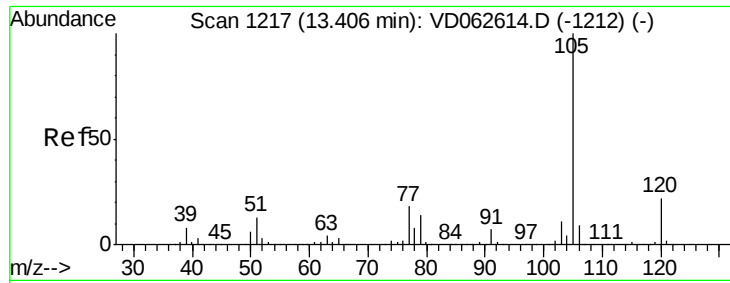
Delta R.T. -0.00 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.1	81.3
150	158.9	0.0	315.0





#73

Isopropylbenzene

Concen: 50.996 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060519

Tot Ion:105 Resp: 1833652

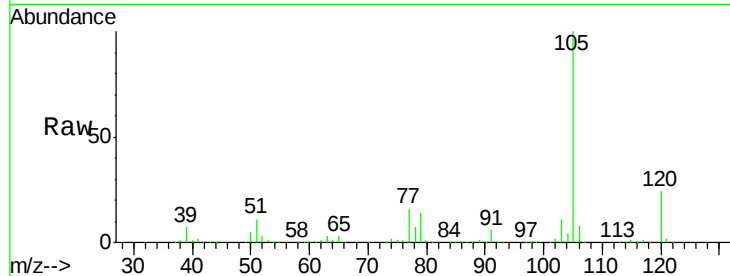
Ion Ratio Lower Upper

105 100

120 23.9 11.2 33.6

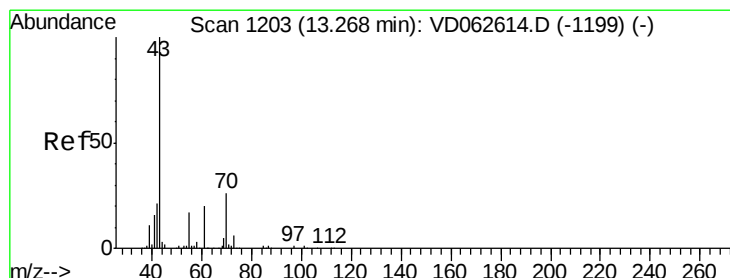
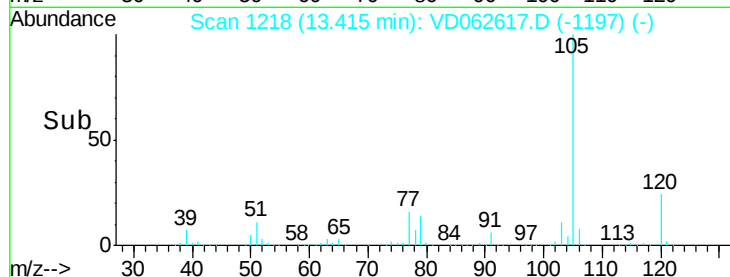
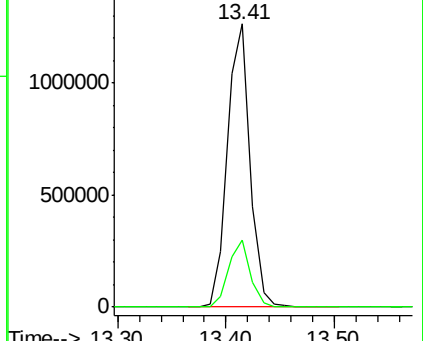
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.880 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

Tgt Ion: 43 Resp: 472391

Ion Ratio Lower Upper

43 100

70 30.3 20.5 30.7

55 20.5 13.8 20.8

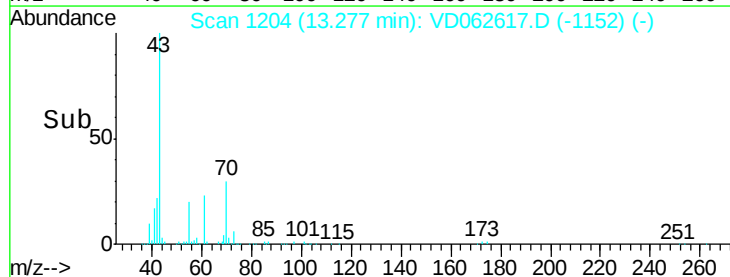
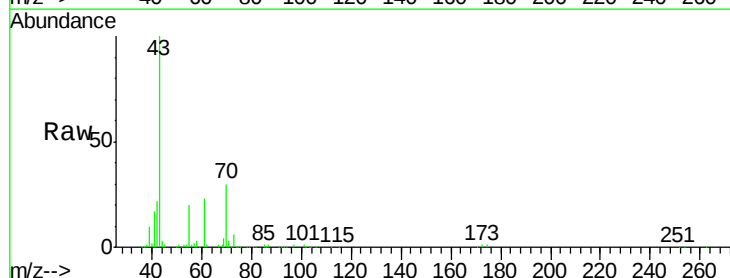
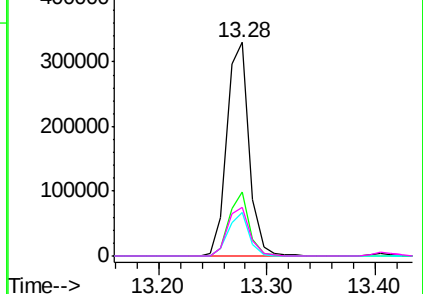
61 22.7 15.9 23.9

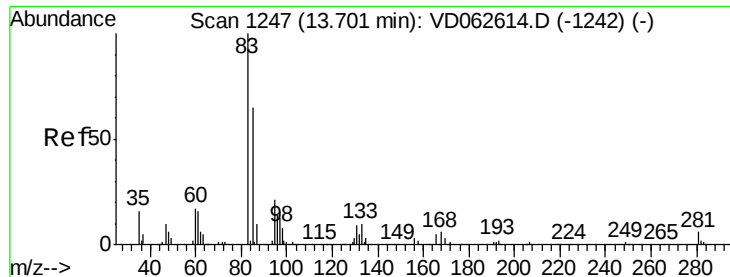
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 51.461 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

Instrument :

MSVOA_D

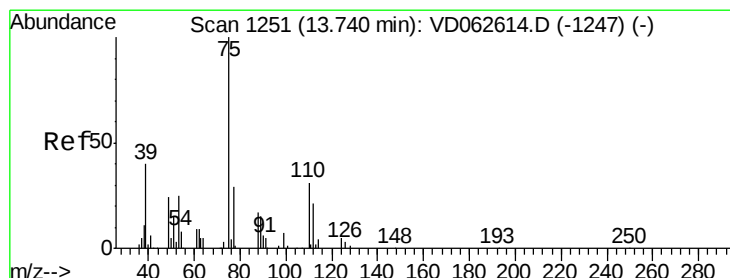
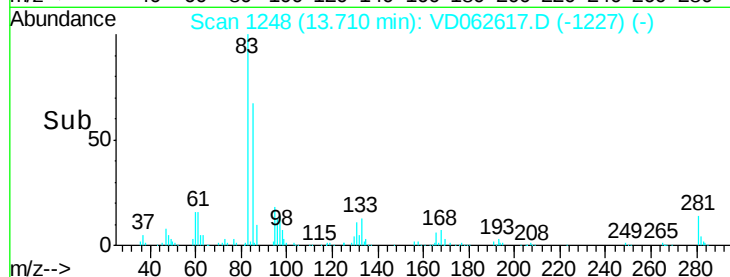
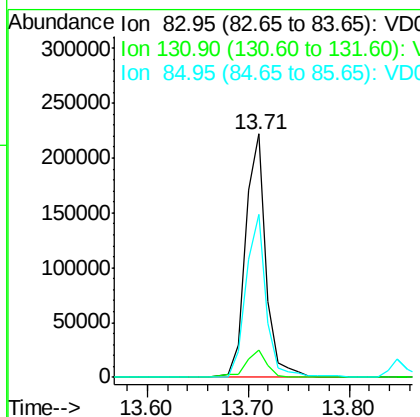
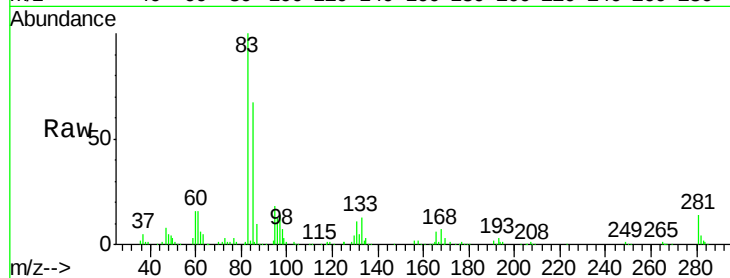
ClientSampleId :

ICVVD060519

Tot Ion:	83	Resp:	310183
Ion Ratio	Lower	Upper	
83	100		
131	11.4	4.7	14.0
85	67.1	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.967 ug/l

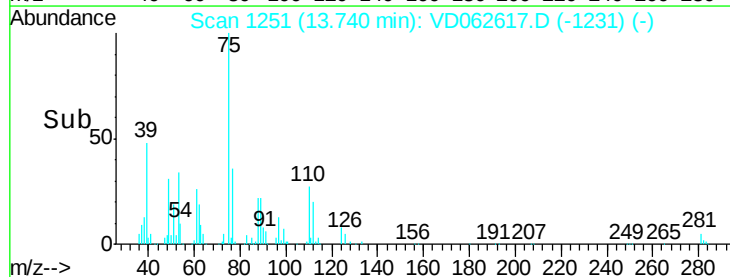
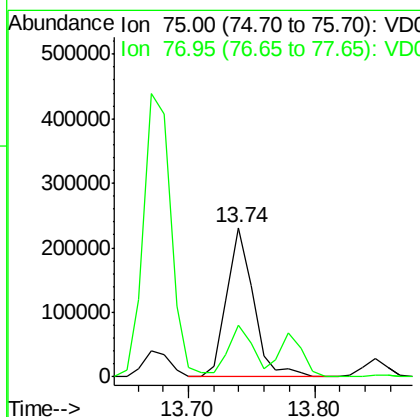
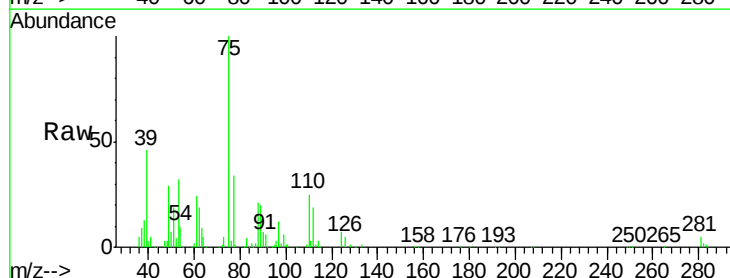
RT: 13.74 min Scan# 1251

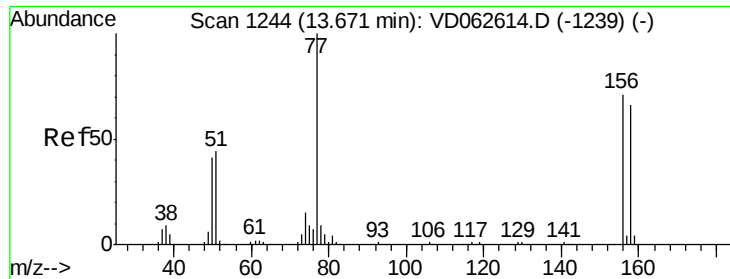
Delta R.T. -0.00 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

Tgt Ion:	75	Resp:	337056
Ion Ratio	Lower	Upper	
75	100		
77	34.4	16.7	50.1





#77

Bromobenzene

Concen: 51.785 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

Instrument :

MSVOA_D

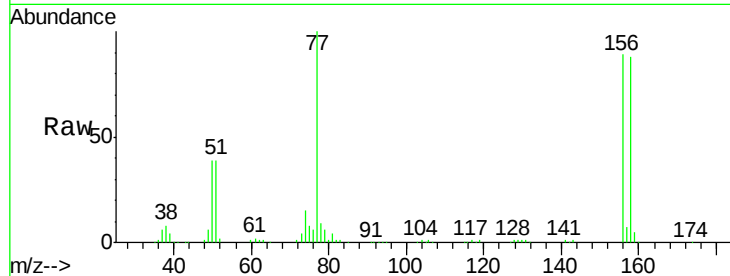
ClientSampleId :

ICVVD060519

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		517920		
77	112.7	70.5	211.5		
158	98.8	46.9	140.6		

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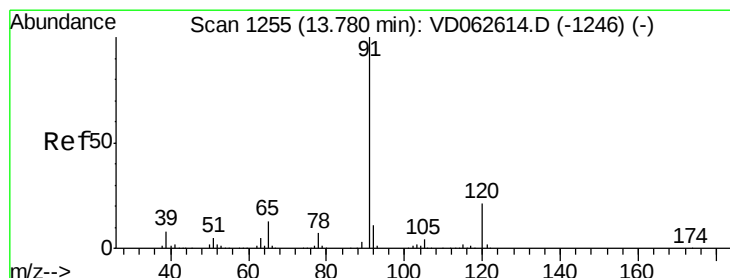
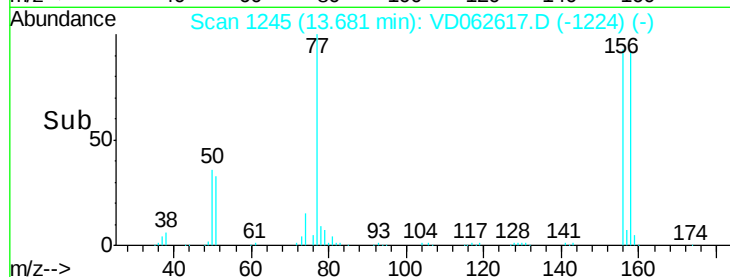
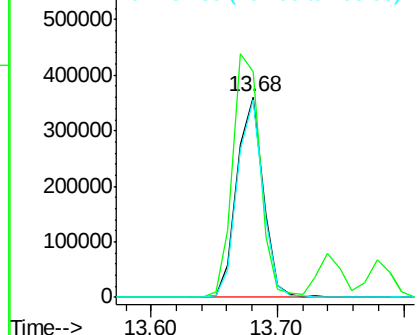
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 48.316 ug/l

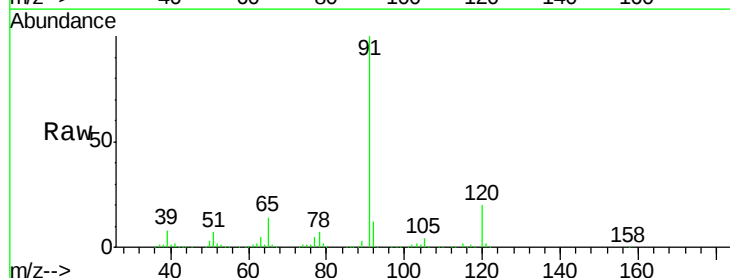
RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062617.D

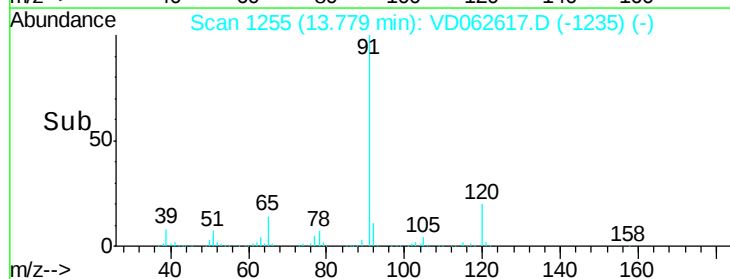
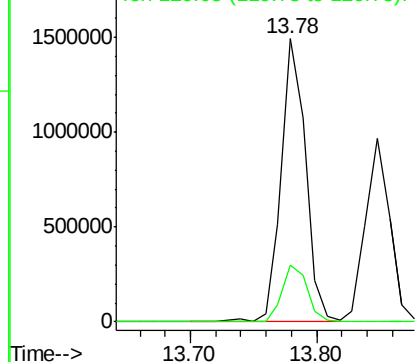
Acq: 5 Jun 2019 17:41

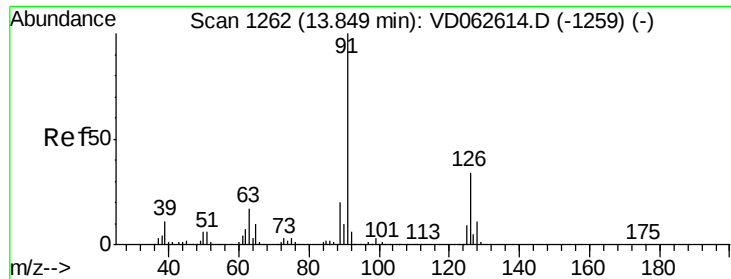
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		2014777		
120	20.1	10.3	30.8		



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 50.612 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VD062617.D

Acq: 5 Jun 2019 17:41

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060519

Tot Ion: 91 Resp: 1279540

Ion Ratio Lower Upper

91 100

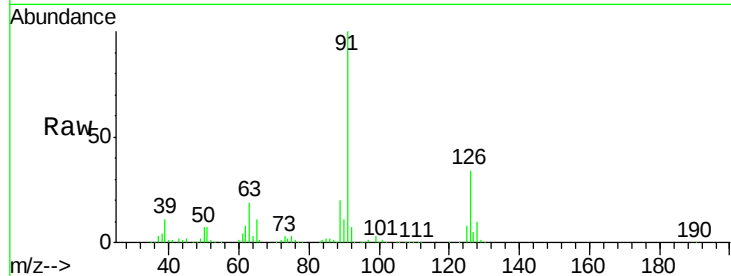
126 34.3 16.7 50.1

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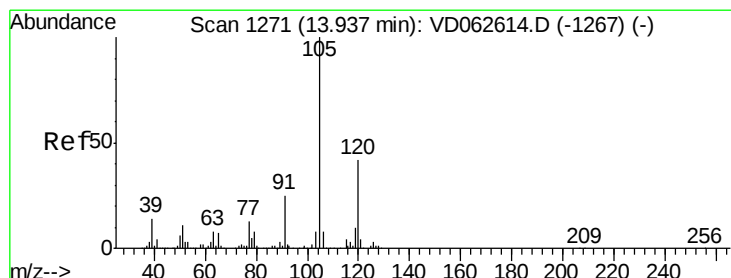
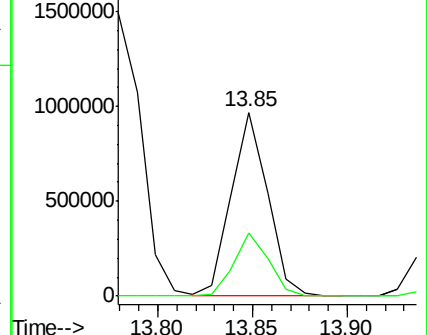
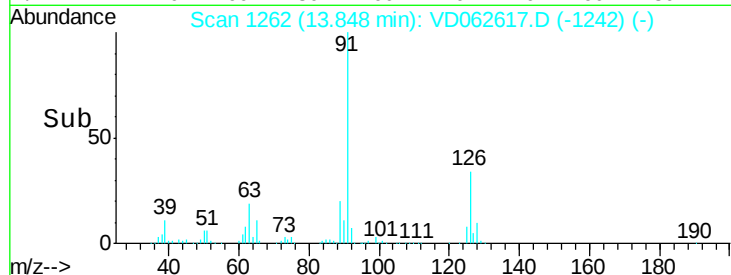
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Abundance Ion 91.00 (90.70 to 91.70): VD062617.D (-1259) (-)

Ion 125.95 (125.65 to 126.65): VD062617.D (-1259) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.880 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD062617.D

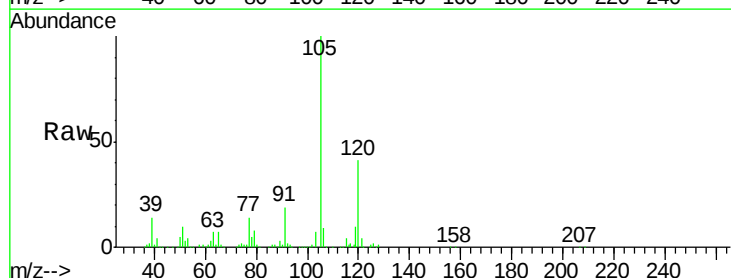
Acq: 5 Jun 2019 17:41

Tgt Ion:105 Resp: 1605419

Ion Ratio Lower Upper

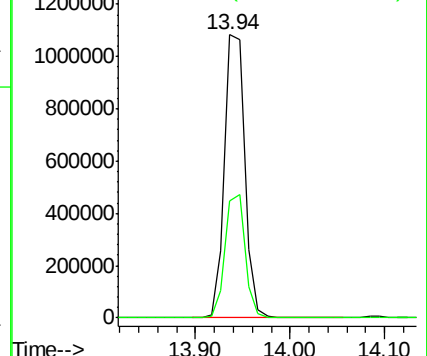
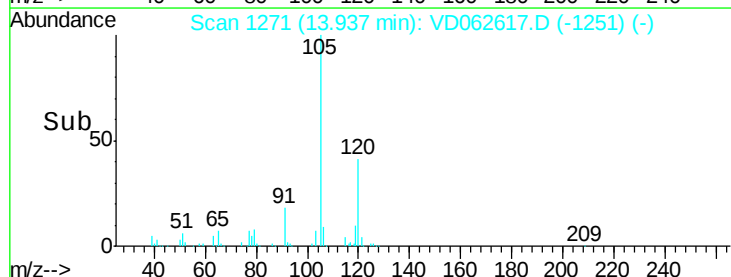
105 100

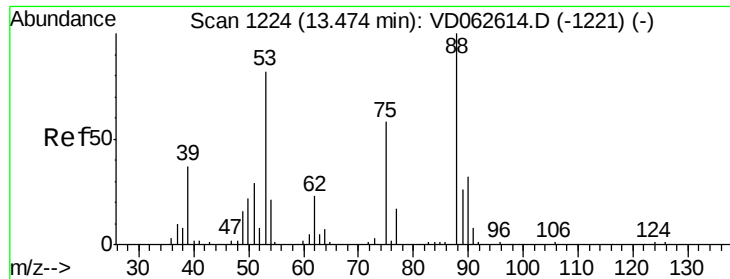
120 41.1 21.1 63.4



Abundance Ion 105.05 (104.75 to 105.75): VD062617.D (-1251) (-)

Ion 120.05 (119.75 to 120.75): VD062617.D (-1251) (-)





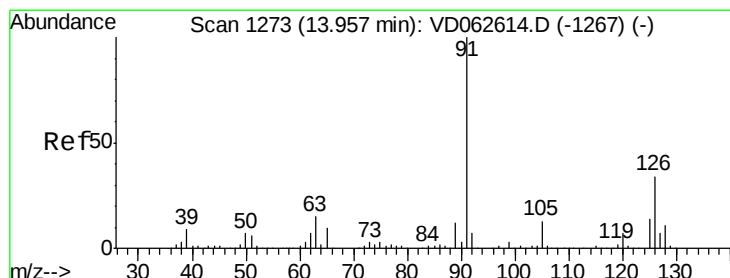
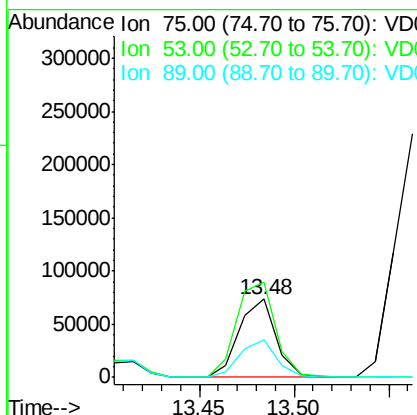
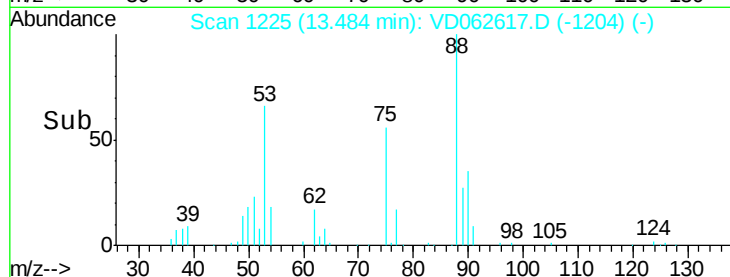
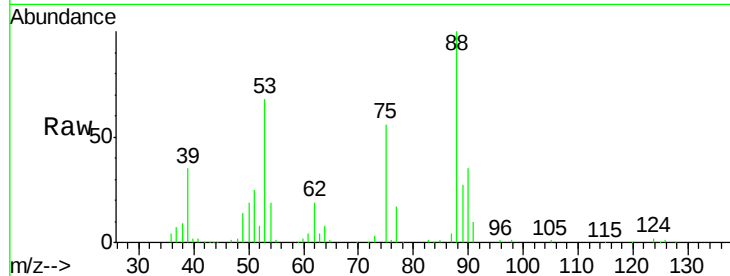
#81
trans-1,4-Dichloro-2-butene
Concen: 57.039 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
ICVVD060519

Tot Ion	Ratio	Lower	Upper
75	100		
53	121.4	113.2	169.8
89	48.3	36.9	55.3

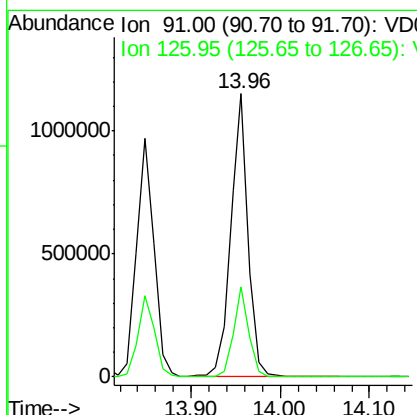
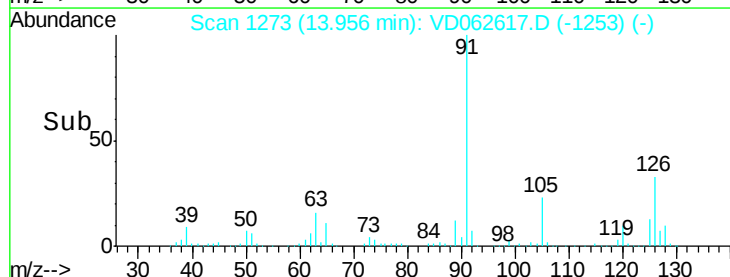
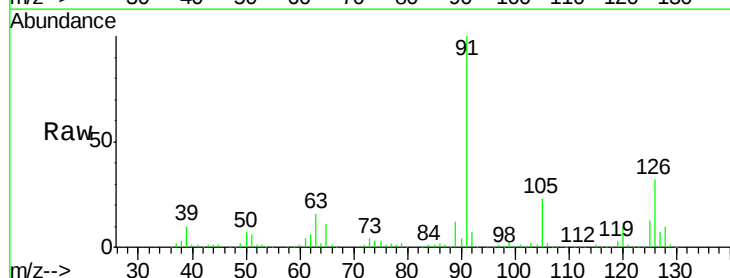
Manual Integrations
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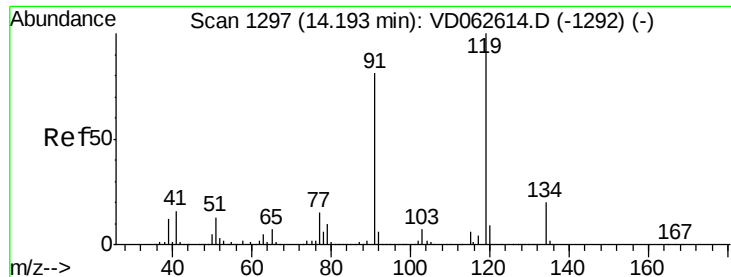
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#82
4-Chlorotoluene
Concen: 52.598 ug/l
RT: 13.96 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.8	50.4





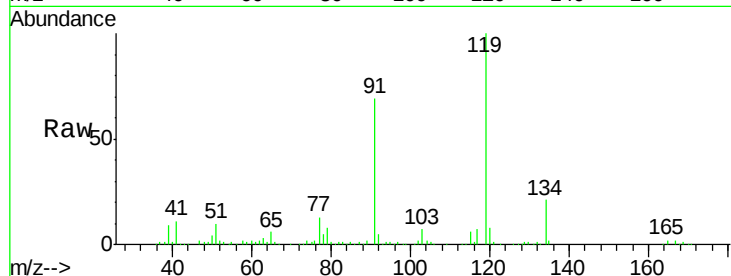
#83
tert-Butylbenzene
Concen: 52.113 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
ICVVD060519

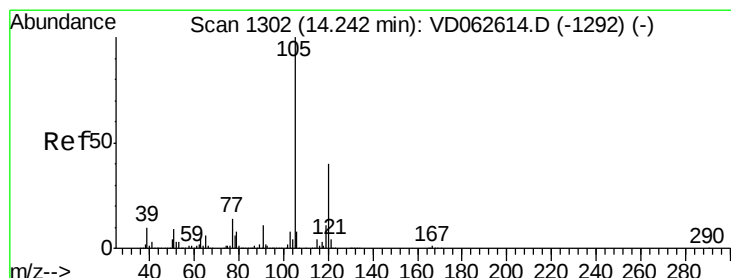
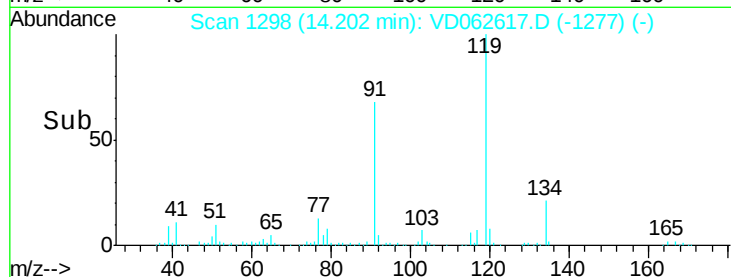
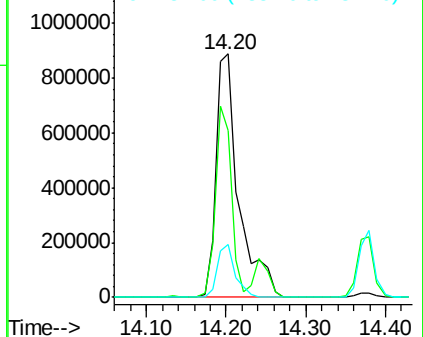
Tot Ion:119 Resp: 1775715
Ion Ratio Lower Upper
119 100
91 68.6 40.8 122.2
134 21.5 10.3 30.8

Manual Integrations
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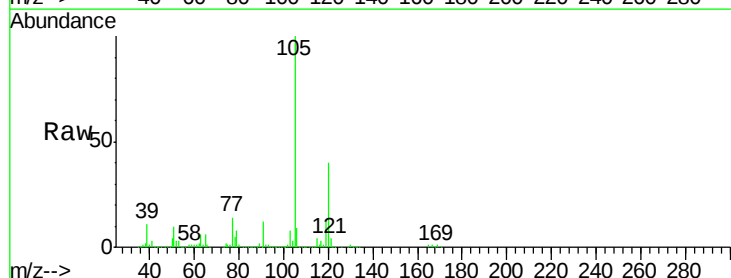


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): VD
Ion 134.00 (133.70 to 134.70): V

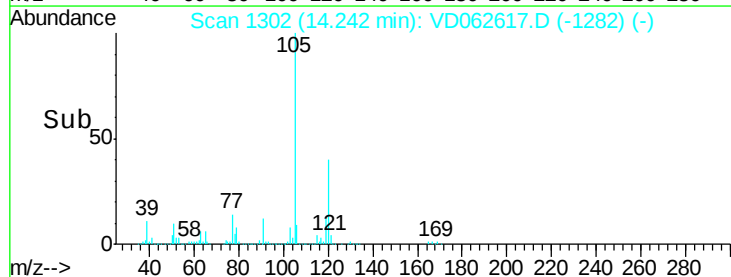
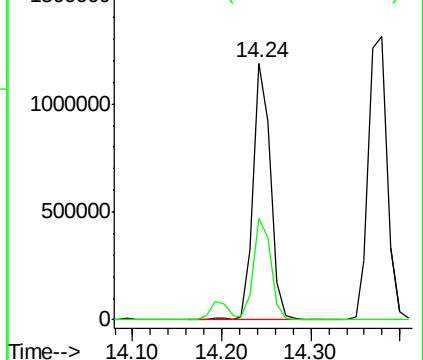


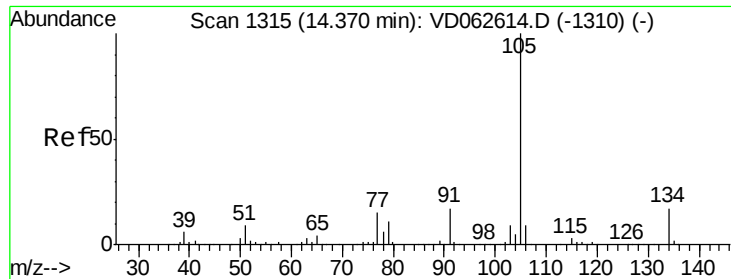
#84
1,2,4-Trimethylbenzene
Concen: 50.051 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Tgt Ion:105 Resp: 1585306
Ion Ratio Lower Upper
105 100
120 39.6 19.9 59.7



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





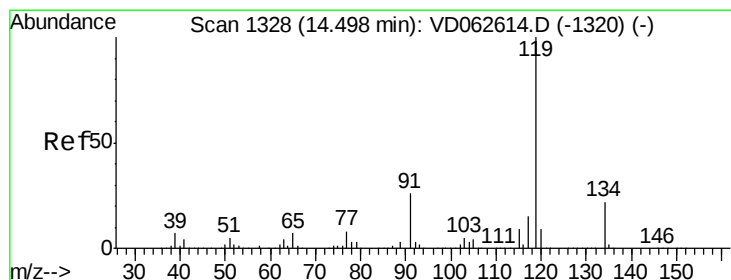
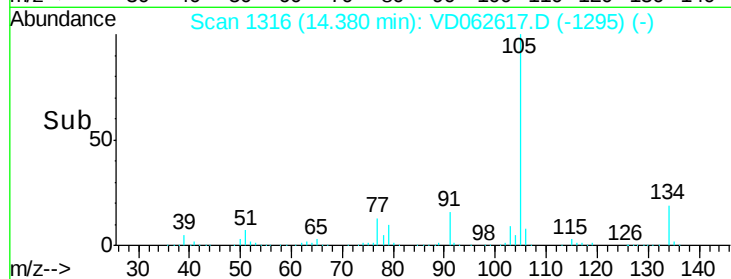
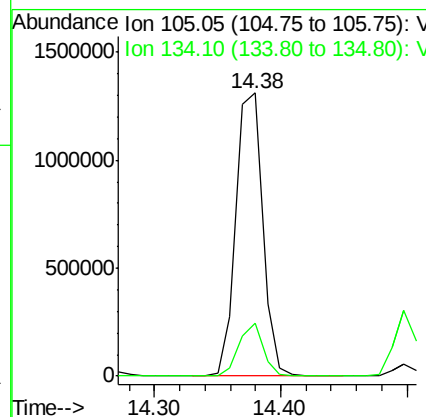
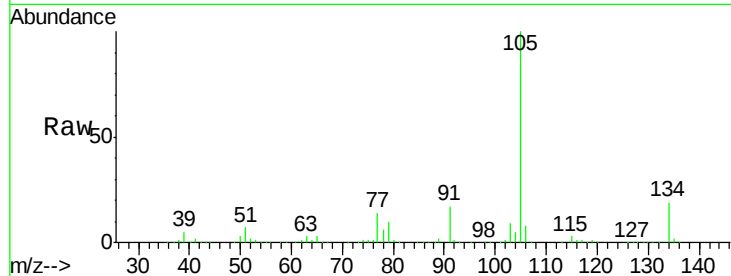
#85
 sec-Butylbenzene
 Concen: 54.575 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062617.D
 Acq: 5 Jun 2019 17:41

Instrument :
 MSVOA_D
 ClientSampleID :
 ICVVD060519

Tot Ion:105 Resp: 1916097
 Ion Ratio Lower Upper
 105 100
 134 18.8 8.3 24.8

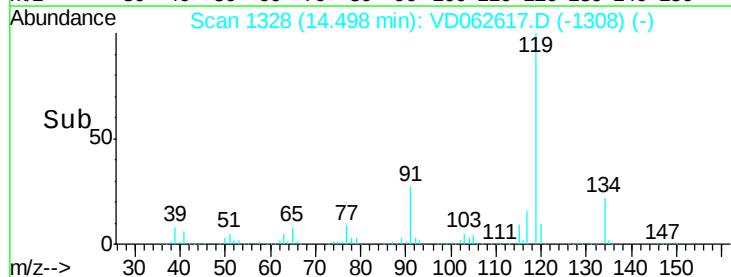
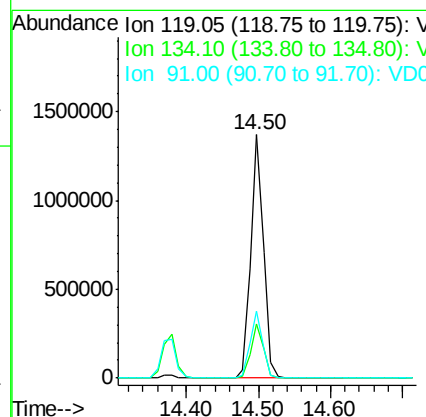
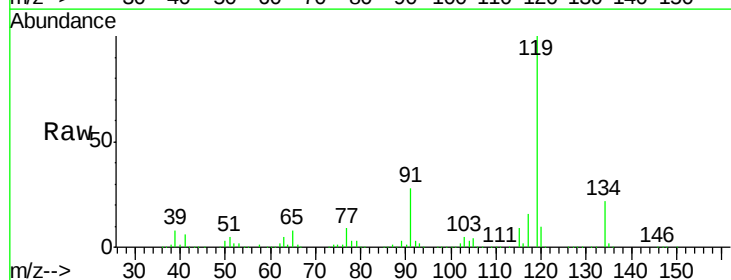
Manual Integrations
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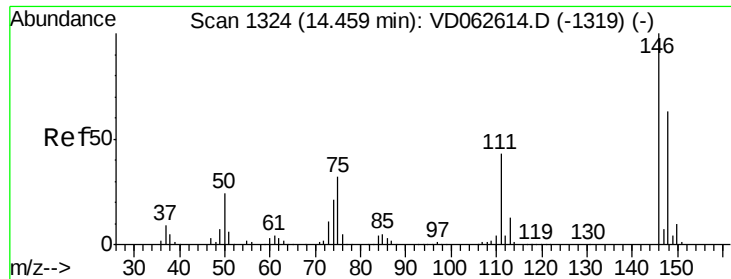
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#86
 p-Isopropyltoluene
 Concen: 50.046 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. -0.00 min
 Lab File: VD062617.D
 Acq: 5 Jun 2019 17:41

Tgt Ion:119 Resp: 1689286
 Ion Ratio Lower Upper
 119 100
 134 22.4 11.2 33.5
 91 27.6 13.3 39.8





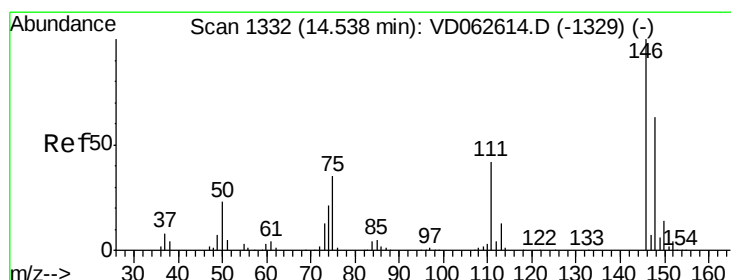
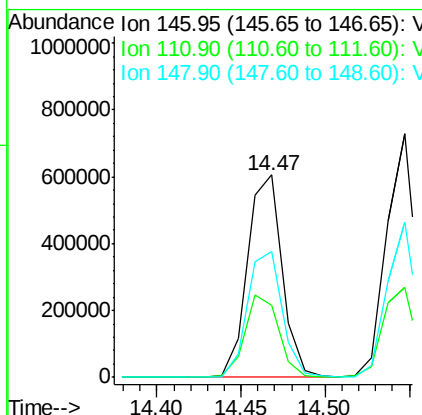
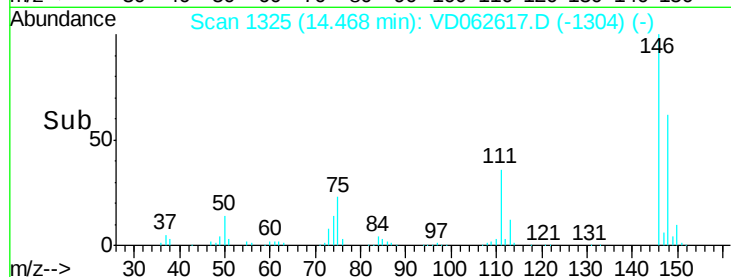
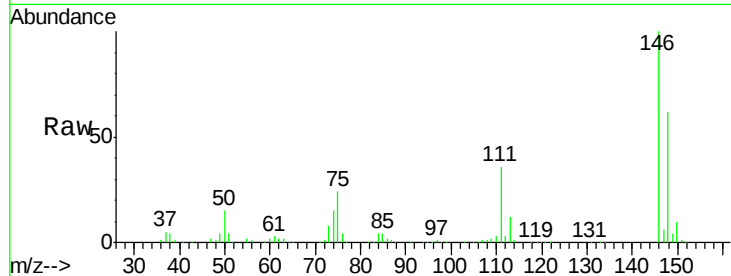
#87
 1,3-Dichlorobenzene
 Concen: 51.476 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062617.D
 Acq: 5 Jun 2019 17:41

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060519

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.6	21.6	64.6
148	62.3	31.3	93.8

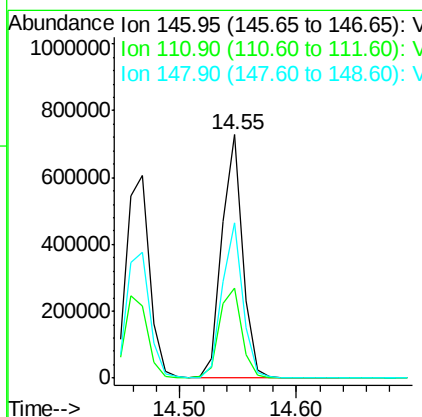
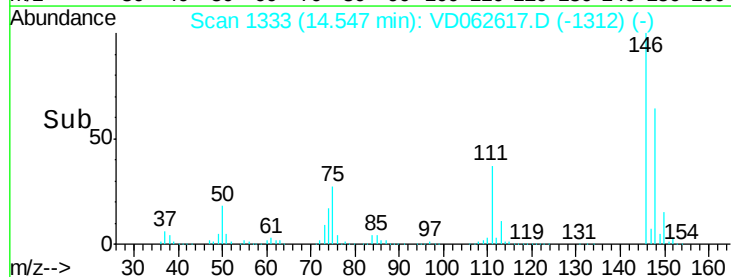
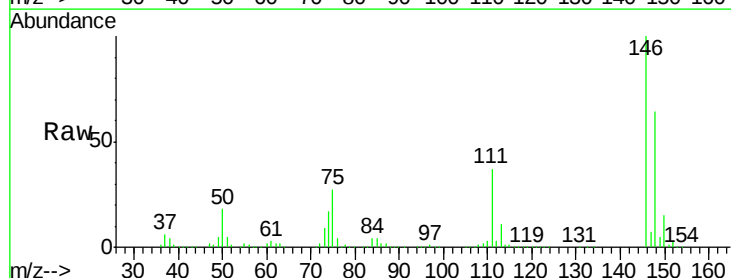
Manual Integrations
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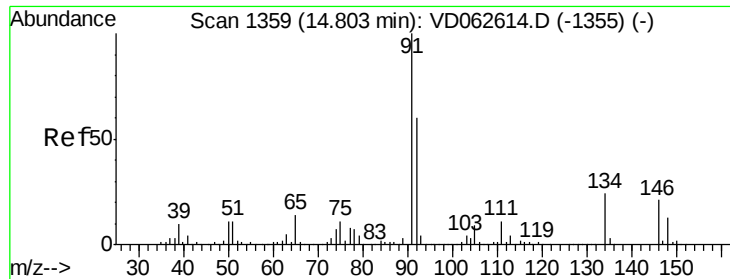
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 6/6/2019 12:21:40 PM



#88
 1,4-Dichlorobenzene
 Concen: 53.033 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062617.D
 Acq: 5 Jun 2019 17:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	20.9	62.8
148	63.6	31.5	94.5





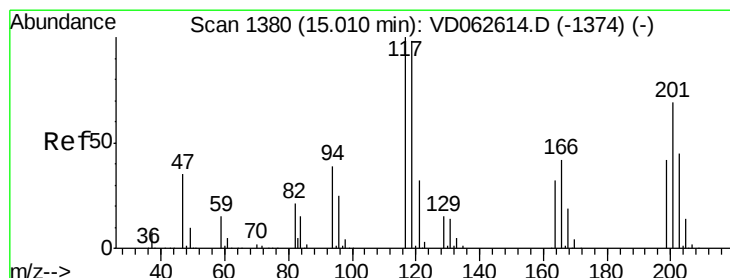
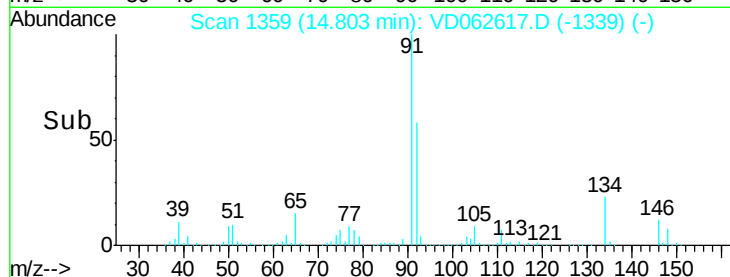
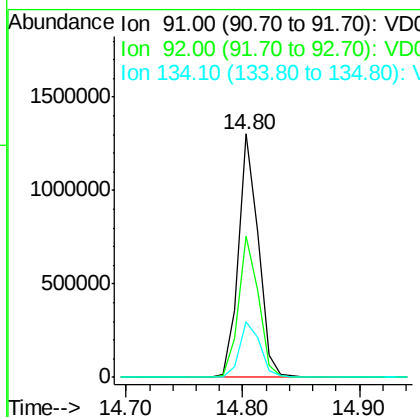
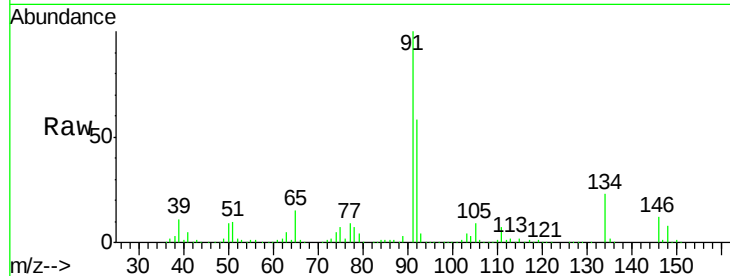
#89
n-Butylbenzene
Concen: 49.214 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
ICVVD060519

Tot Ion: 91 Resp: 1544624
Ion Ratio Lower Upper
91 100
92 58.1 29.9 89.7
134 22.6 12.1 36.3

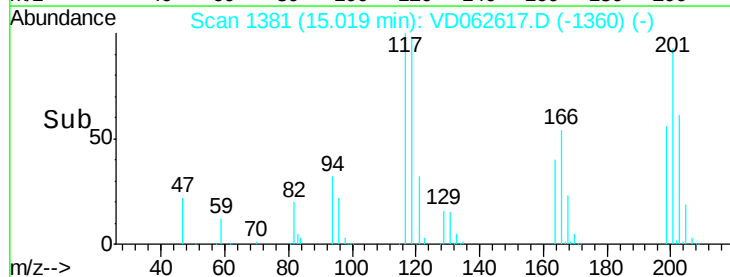
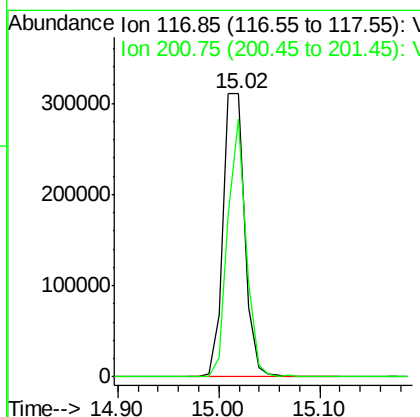
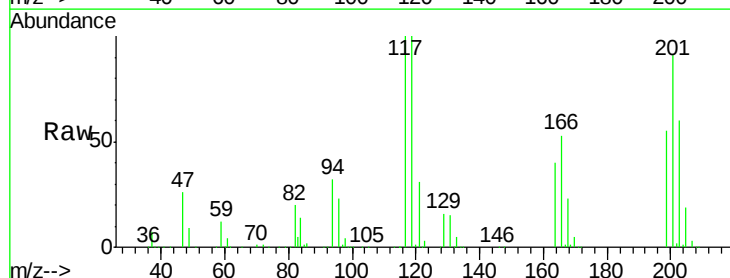
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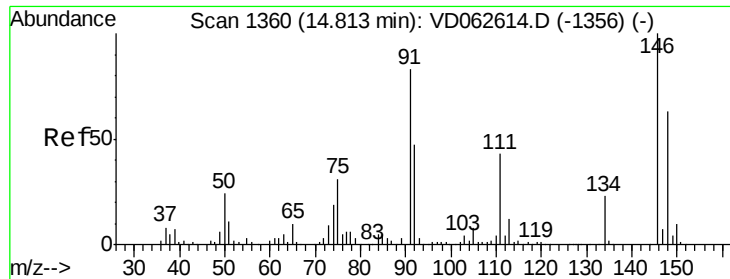
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#90
Hexachloroethane
Concen: 52.214 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Tgt Ion: 117 Resp: 463865
Ion Ratio Lower Upper
117 100
201 91.2 34.4 103.3





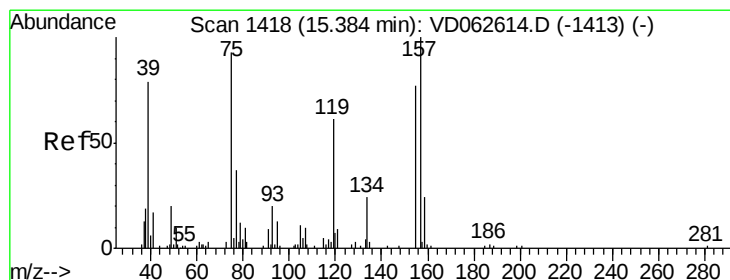
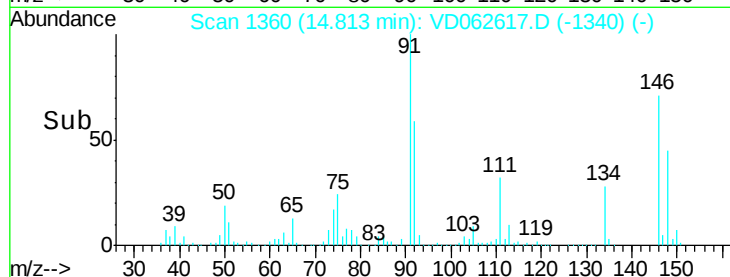
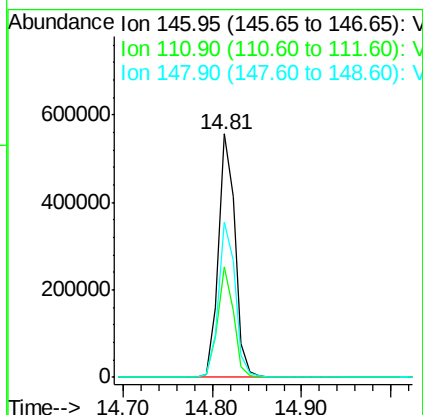
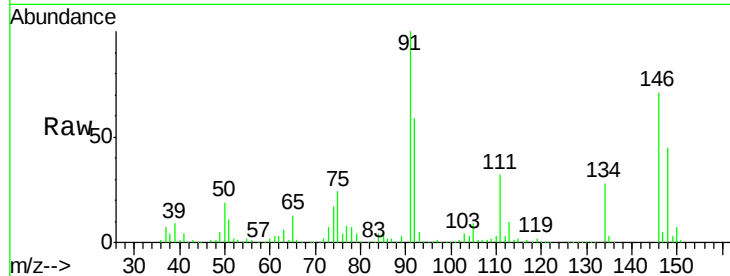
#91
 1,2-Dichlorobenzene
 Concen: 47.141 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062617.D
 Acq: 5 Jun 2019 17:41

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060519

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	21.3	64.0
148	63.5	31.4	94.3

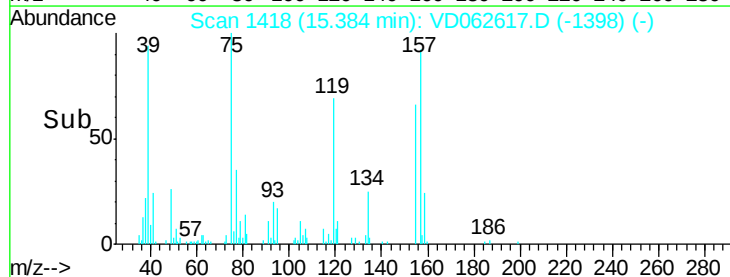
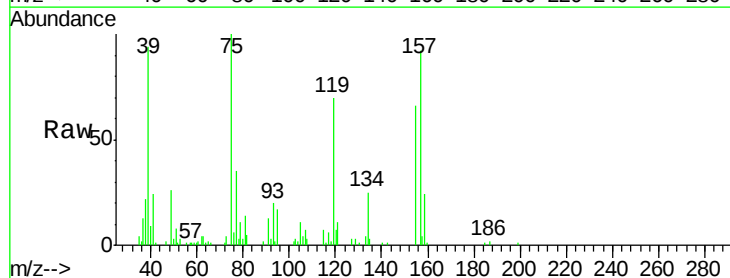
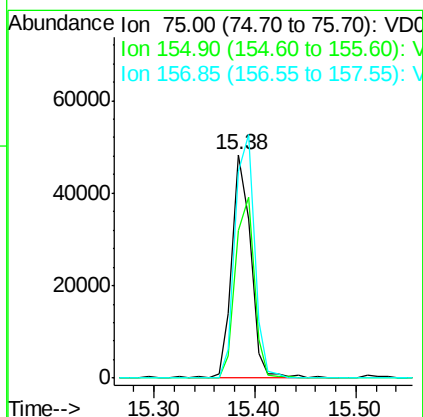
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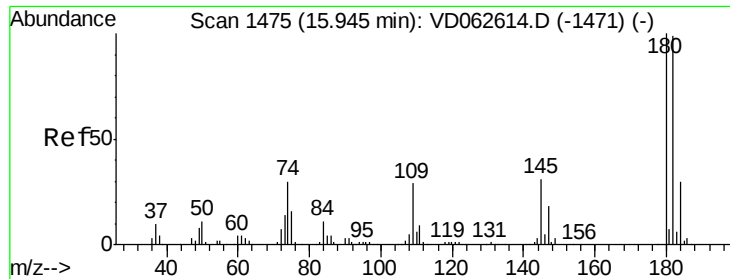
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.944 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD062617.D
 Acq: 5 Jun 2019 17:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.8	41.6	124.8
157	92.4	53.8	161.2





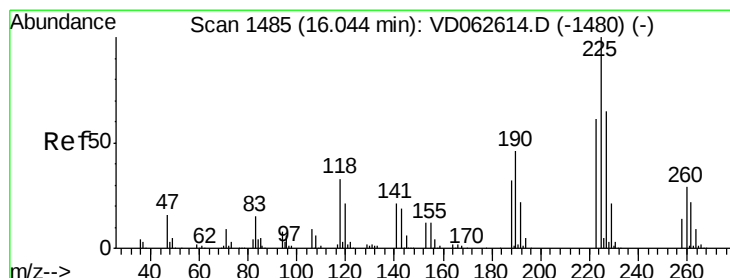
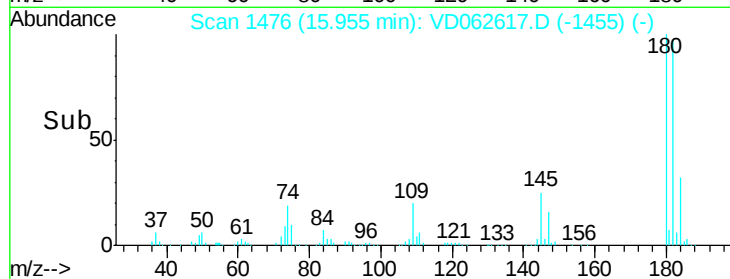
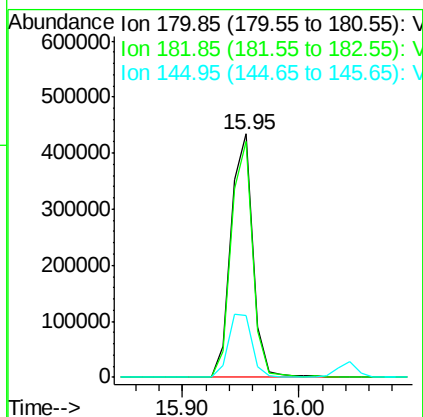
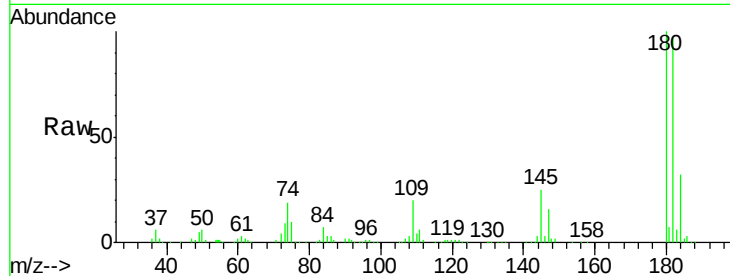
#93
 1,2,4-Trichlorobenzene
 Concen: 50.917 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062617.D
 Acq: 5 Jun 2019 17:41

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060519

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	49.3	147.8
145	25.4	15.7	47.1

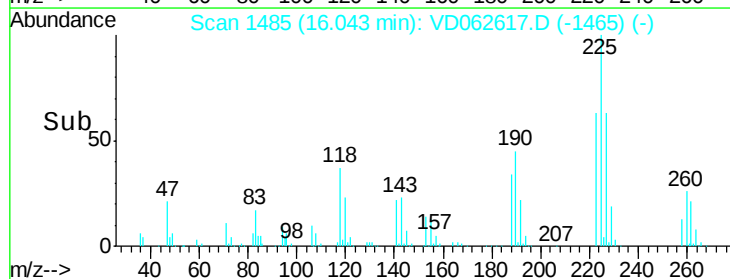
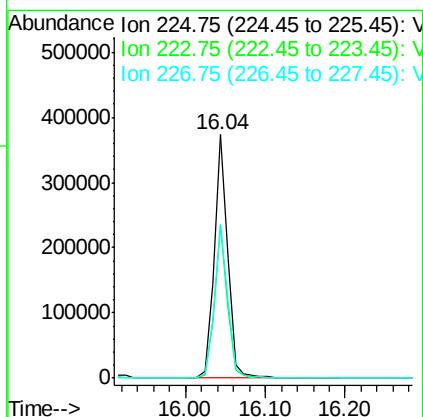
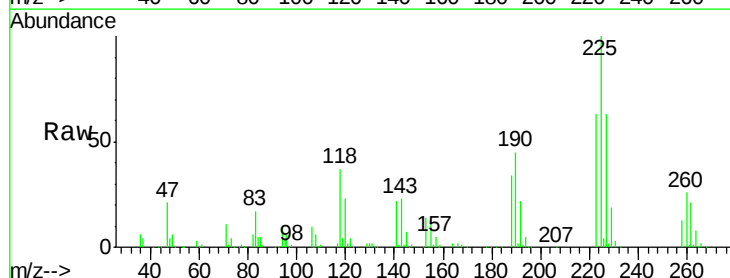
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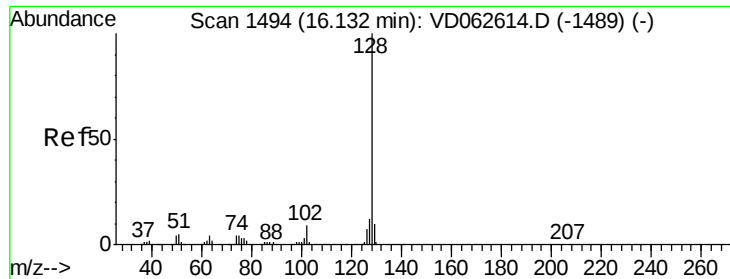
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#94
 Hexachlorobutadiene
 Concen: 53.243 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD062617.D
 Acq: 5 Jun 2019 17:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.3	91.0
227	63.3	32.4	97.0





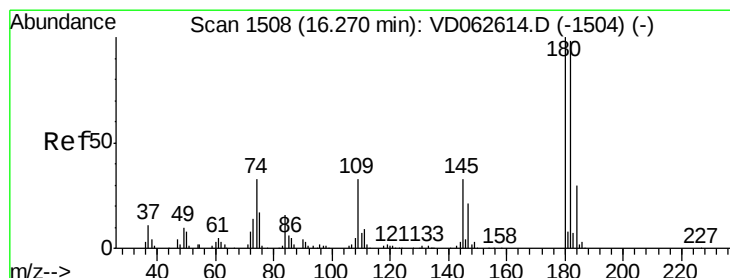
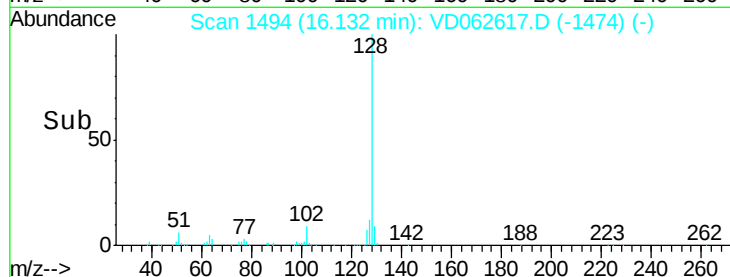
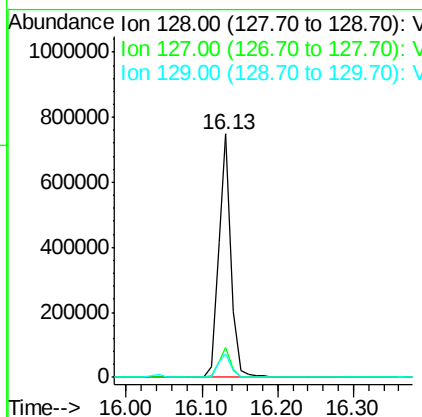
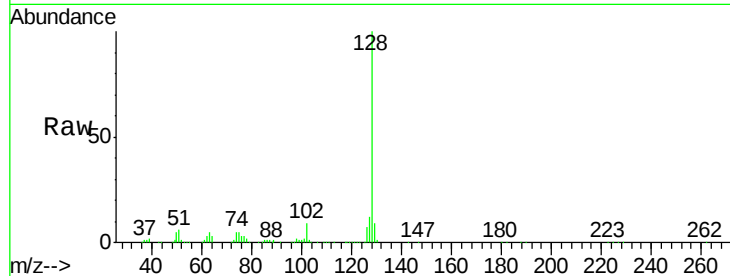
#95
Naphthalene
Concen: 53.863 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
ICVVD060519

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.4	14.2
129	9.5	8.0	12.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.658 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062617.D
Acq: 5 Jun 2019 17:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	49.1	147.3
145	26.9	16.6	49.7

