

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070219\
 Data File : VD063014.D
 Acq On : 2 Jul 2019 20:39
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 9:36:46 AM

Quant Time: Jul 03 01:37:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	802058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1074648	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	965864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	517958	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	447237	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
35) Dibromofluoromethane	6.93	113	462037	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
50) Toluene-d8	10.42	98	1061092	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
62) 4-Bromofluorobenzene	13.56	95	464212	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	480097	46.257	ug/l	93
3) Chloromethane	1.75	50	371445	47.587	ug/l	93
4) Vinyl Chloride	1.84	62	388363	50.181	ug/l	98
5) Bromomethane	2.15	94	184802	50.989	ug/l	95
6) Chloroethane	2.27	64	196237	56.007	ug/l	97
7) Trichlorofluoromethane	2.53	101	856918	54.711	ug/l	98
8) Diethyl Ether	2.88	74	114478	57.525	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	462567	54.514	ug/l	89
10) Methyl Iodide	3.30	142	621489	55.517	ug/l	99
11) Tert butyl alcohol	4.10	59	118688	298.910	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	340990	53.569	ug/l	92
13) Acrolein	3.03	56	74625	184.095	ug/l	92
14) Allyl chloride	3.62	41	527573	56.092	ug/l	98
15) Acrylonitrile	4.20	53	275626	295.417	ug/l #	92
16) Acetone	3.23	43	450640	255.030	ug/l	95
17) Carbon Disulfide	3.38	76	1012847	49.787	ug/l	96
18) Methyl Acetate	3.64	43	152492	57.942	ug/l	97
19) Methyl tert-butyl Ether	4.25	73	804010	58.347	ug/l	99
20) Methylene Chloride	3.81	84	378551	56.934	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	373579	55.119	ug/l	92
22) Diisopropyl ether	5.13	45	1141629	59.685	ug/l	97
23) Vinyl Acetate	5.07	43	3531062	295.017	ug/l	98
24) 1,1-Dichloroethane	4.99	63	733229	58.877	ug/l	97
25) 2-Butanone	6.08	43	487138	298.752	ug/l #	91
26) 2,2-Dichloropropane	6.03	77	727262	55.095	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	427905	59.702	ug/l	96
28) Bromochloromethane	6.45	49	237728	54.200	ug/l	94
29) Tetrahydrofuran	6.47	42	234856	304.419	ug/l	97
30) Chloroform	6.67	83	897260	59.243	ug/l	100
31) Cyclohexane	6.96	56	437133	53.393	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	884436	56.065	ug/l	95
36) 1,1-Dichloropropene	7.16	75	577910	56.808	ug/l	93
37) Ethyl Acetate	6.19	43	245748	57.675	ug/l #	94
38) Carbon Tetrachloride	7.12	117	892357m	58.324	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	466755	52.124	ug/l	96
40) Benzene	7.46	78	1220308	59.759	ug/l	96
41) Methacrylonitrile	6.46	41	311803	58.119	ug/l #	93
42) 1,2-Dichloroethane	7.58	62	644160	57.825	ug/l	100
43) Isopropyl Acetate	9.24	43	339151	63.590	ug/l	97
44) Trichloroethene	8.55	130	475993	59.457	ug/l	95
45) 1,2-Dichloropropane	8.95	63	295268	58.150	ug/l	97
46) Dibromomethane	9.07	93	257430	59.019	ug/l	96
47) Bromodichloromethane	9.38	83	705076	62.242	ug/l	98
48) Methyl methacrylate	9.13	41	222823	58.791	ug/l	93
49) 1,4-Dioxane	9.09	88	39134	1241.085	ug/l	97
51) 4-Methyl-2-Pentanone	10.31	43	1151246	304.454	ug/l	98
52) Toluene	10.51	92	788346	57.432	ug/l	95
53) t-1,3-Dichloropropene	10.92	75	555759	59.941	ug/l	93
54) cis-1,3-Dichloropropene	10.04	75	605858	60.119	ug/l	95
55) 1,1,2-Trichloroethane	11.20	97	288076	61.085	ug/l	92
56) Ethyl methacrylate	11.05	69	312599	62.025	ug/l	97
57) 1,3-Dichloropropane	11.41	76	411764	57.024	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	788944	304.917	ug/l	95
59) 2-Hexanone	11.54	43	803033	298.189	ug/l	98
60) Dibromochloromethane	11.70	129	541483	61.643	ug/l	99
61) 1,2-Dibromoethane	11.81	107	317308	56.970	ug/l	94
64) Tetrachloroethene	11.26	164	458204	57.641	ug/l	99
65) Chlorobenzene	12.40	112	1014527	56.597	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	474283	56.577	ug/l	94
67) Ethyl Benzene	12.53	91	1749137	54.350	ug/l	100
68) m/p-Xylenes	12.67	106	1256062	112.058	ug/l	99
69) o-Xylene	13.05	106	591593	57.735	ug/l	97
70) Styrene	13.07	104	1006378	55.916	ug/l	95
71) Bromoform	13.24	173	346783	60.378	ug/l	97
73) Isopropylbenzene	13.41	105	1845573	55.572	ug/l	100
74) N-amyl acetate	13.27	43	478124	59.283	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	320574	59.244	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	369094	61.727	ug/l	99
77) Bromobenzene	13.67	156	537527	60.175	ug/l	97
78) n-propylbenzene	13.77	91	2251828	58.256	ug/l	94
79) 2-Chlorotoluene	13.84	91	1280448	57.965	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	1558194	55.858	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	95544	60.968	ug/l	93
82) 4-Chlorotoluene	13.95	91	1484321	55.813	ug/l	98
83) tert-Butylbenzene	14.20	119	1755264	56.451	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	1561041	54.598	ug/l	96
85) sec-Butylbenzene	14.37	105	1953668	57.810	ug/l	99
86) p-Isopropyltoluene	14.49	119	1697595	54.908	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	966157	60.338	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	887083	55.157	ug/l	98
89) n-Butylbenzene	14.80	91	1697841	58.674	ug/l	99
90) Hexachloroethane	15.01	117	485549	58.411	ug/l	97
91) 1,2-Dichlorobenzene	14.82	146	857886	62.620	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	61147	57.897	ug/l #	39

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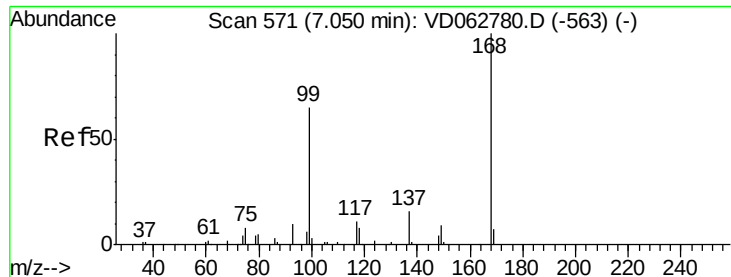
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	634145	59.256	ug/l	99
94) Hexachlorobutadiene	16.04	225	479900	58.698	ug/l	97
95) Naphthalene	16.13	128	904761	60.318	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	495765	60.293	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 802058

Ion Ratio Lower Upper

168 100

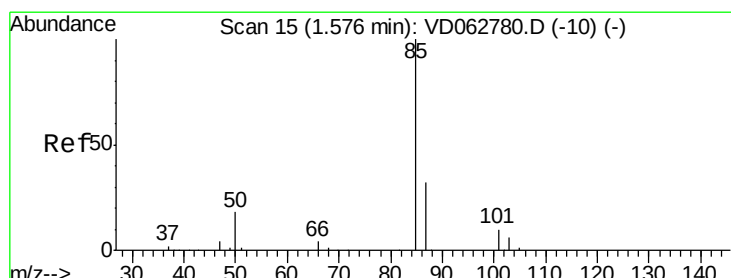
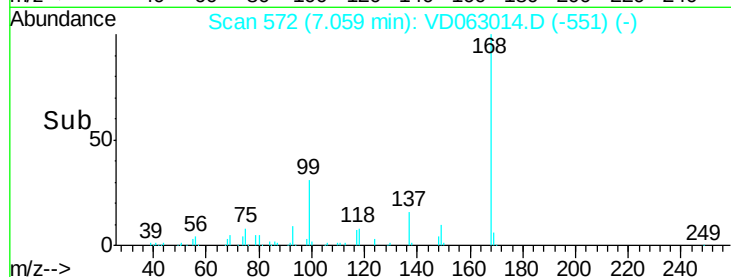
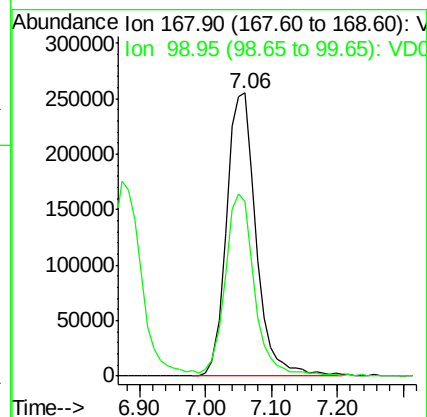
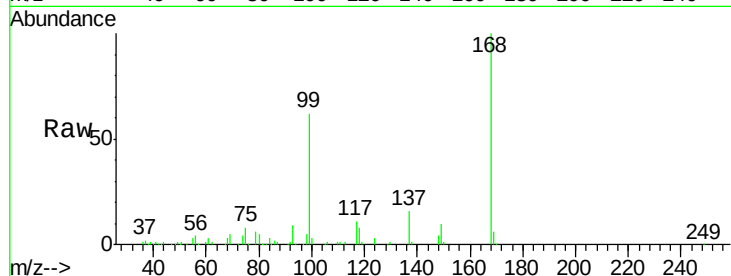
99 61.8 53.0 79.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 46.257 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD063014.D

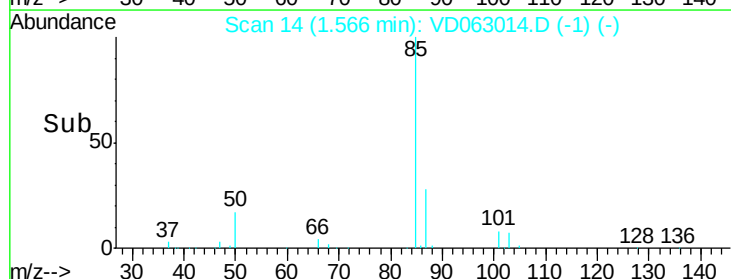
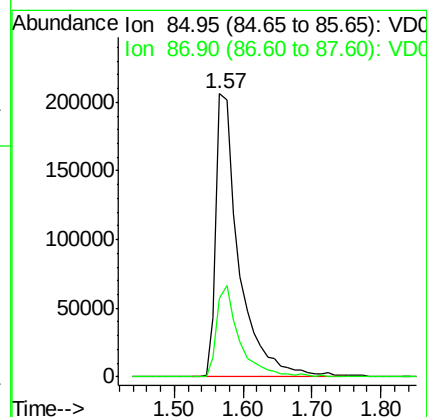
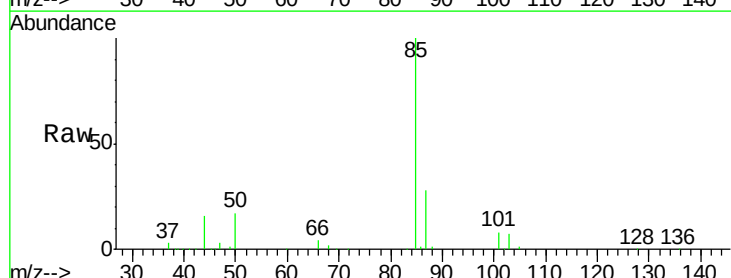
Acq: 2 Jul 2019 20:39

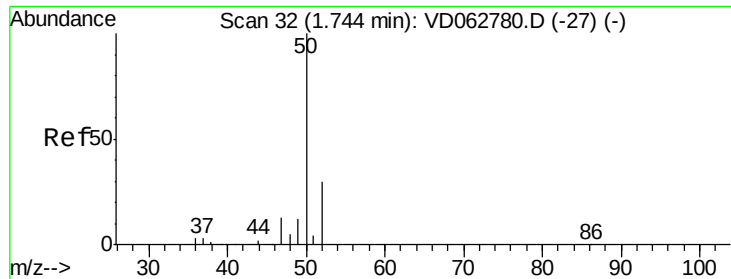
Tgt Ion: 85 Resp: 480097

Ion Ratio Lower Upper

85 100

87 27.8 15.9 47.6





#3

Chloromethane

Concen: 47.587 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 371445

Ion Ratio Lower Upper

50 100

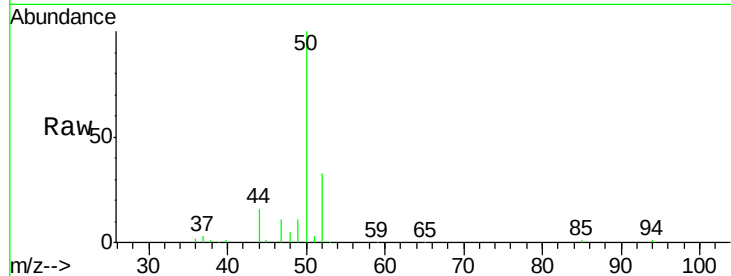
52 33.0 23.6 35.4

Manual Integrations

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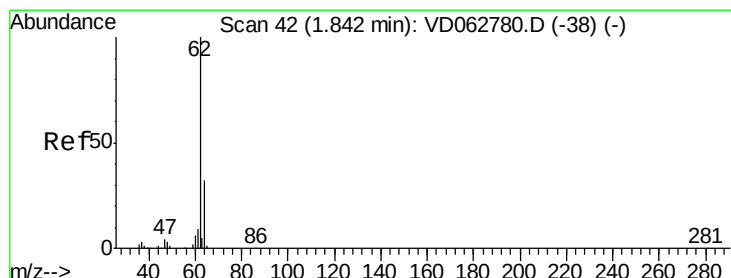
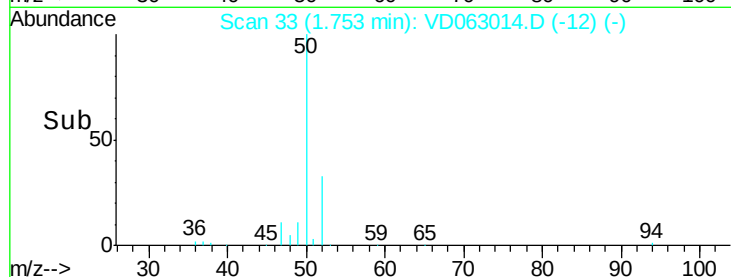
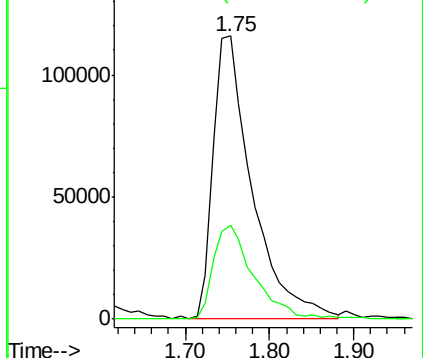
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.181 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD063014.D

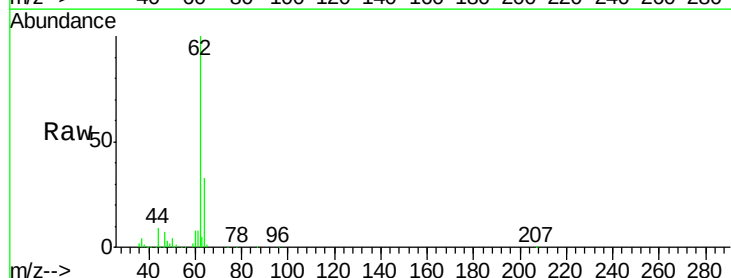
Acq: 2 Jul 2019 20:39

Tgt Ion: 62 Resp: 388363

Ion Ratio Lower Upper

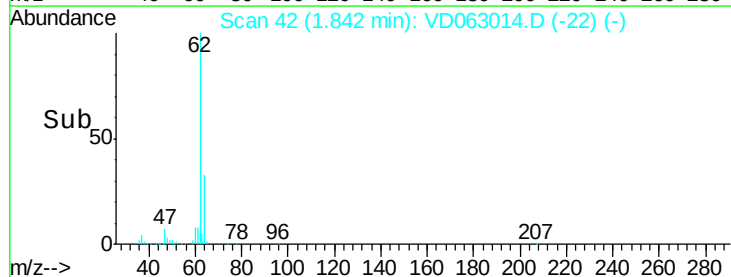
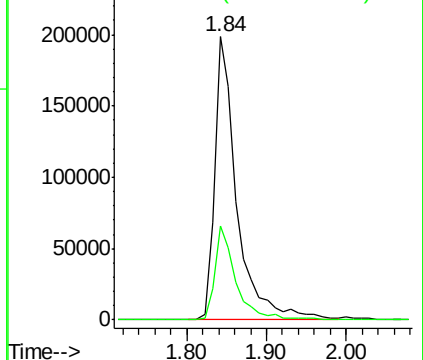
62 100

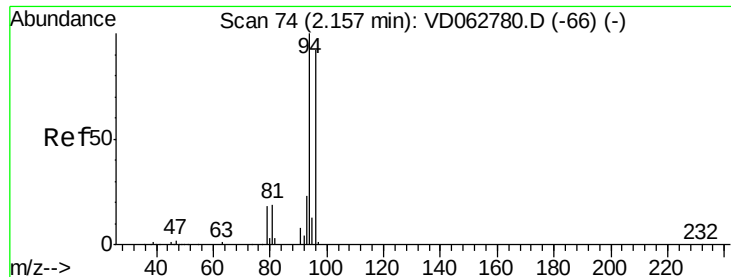
64 33.1 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 50.989 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

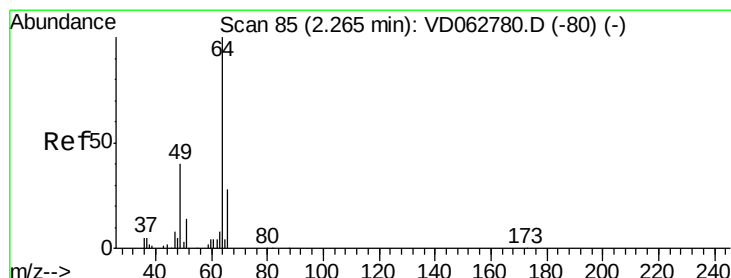
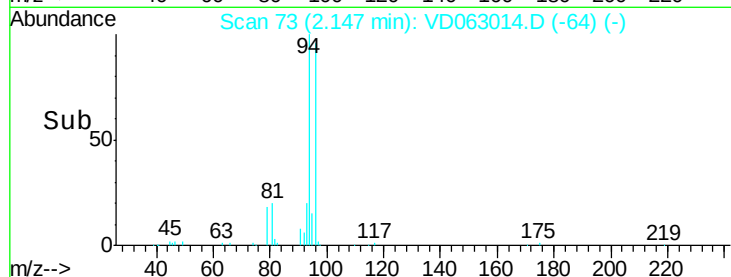
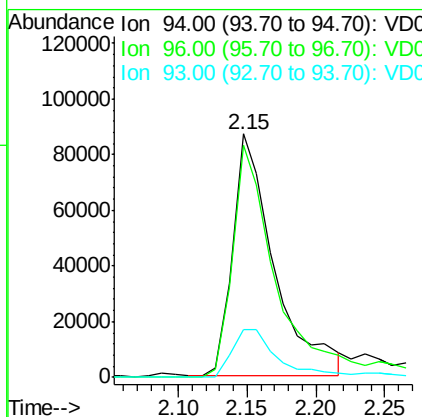
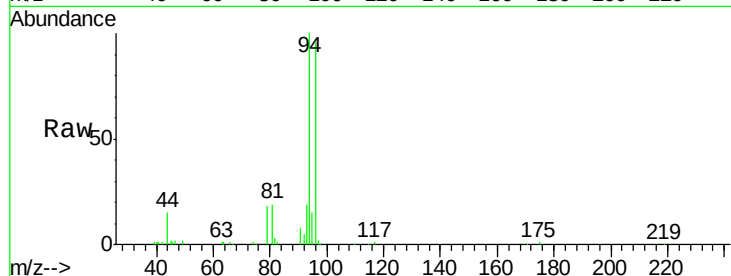
ClientSampleId :

VSTDCCC050EC

Tot Ion:	94	Resp:	184802
Ion	Ratio	Lower	Upper
94	100		
96	95.6	73.4	110.2
93	19.4	18.2	27.4

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#6

Chloroethane

Concen: 56.007 ug/l

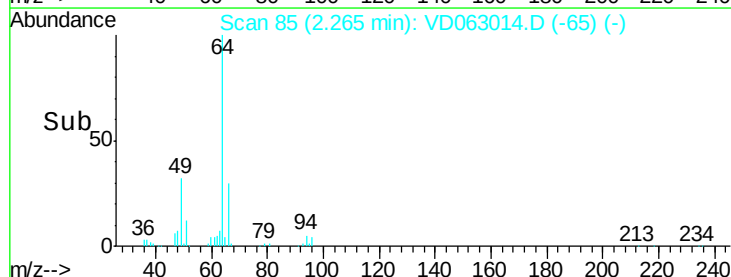
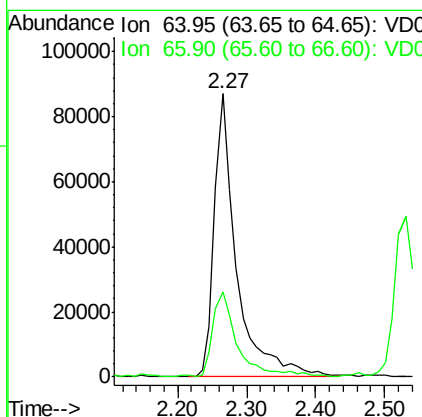
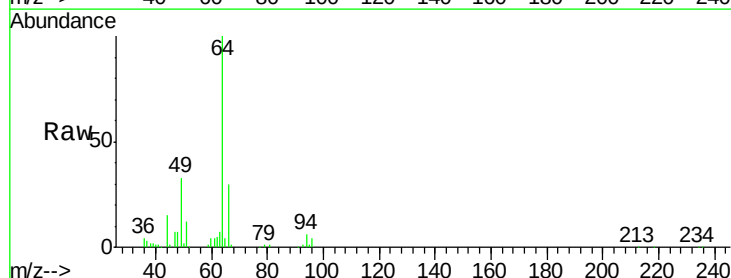
RT: 2.27 min Scan# 85

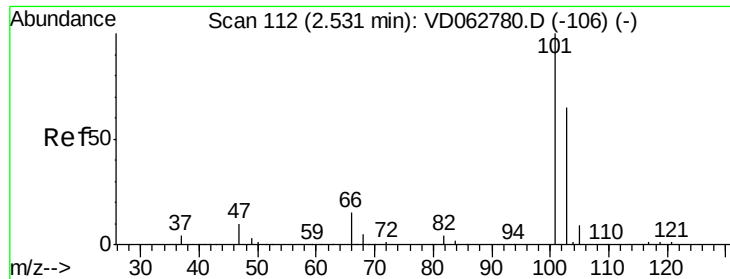
Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Tgt Ion:	64	Resp:	196237
Ion	Ratio	Lower	Upper
64	100		
66	30.2	23.0	34.4





#7

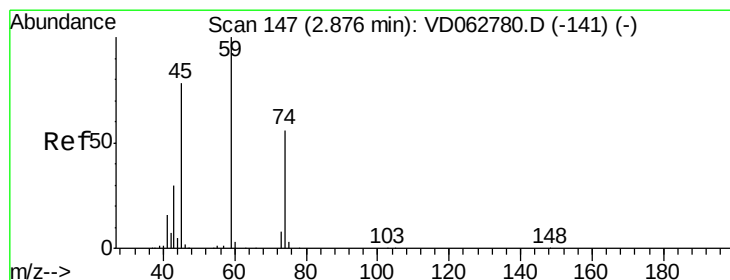
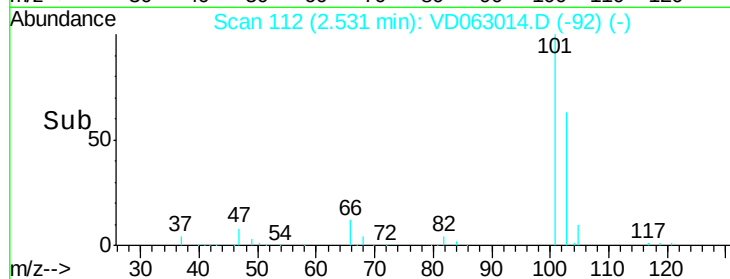
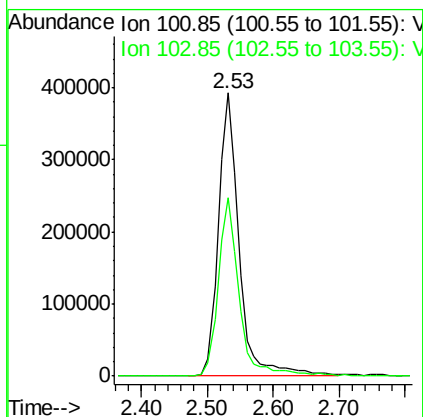
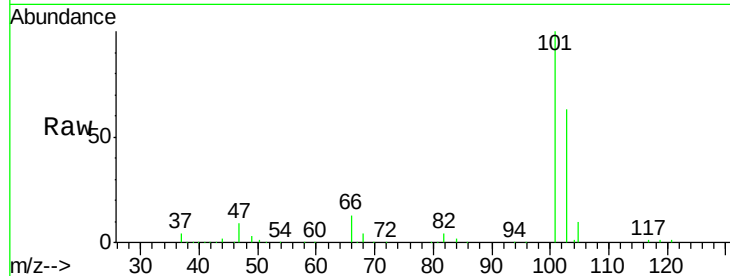
Trichlorofluoromethane
 Concen: 54.711 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.8	77.8

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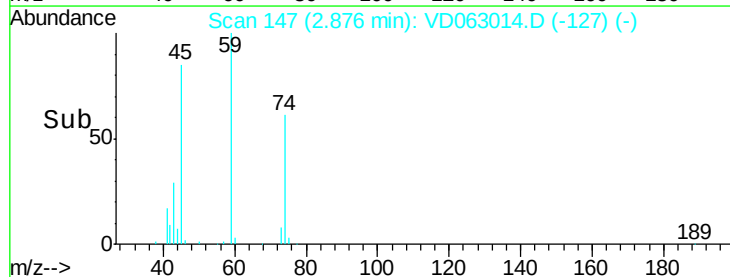
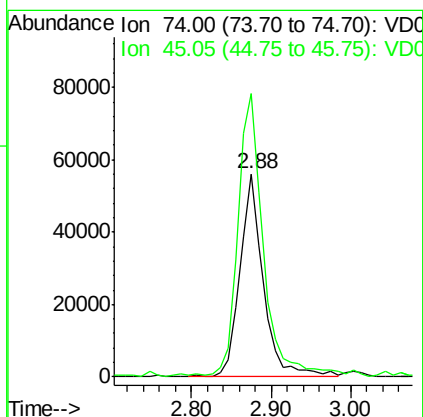
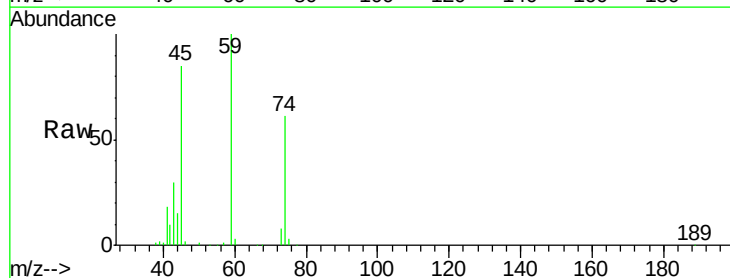
MMDadoda
 7/3/2019 9:36:46 AM

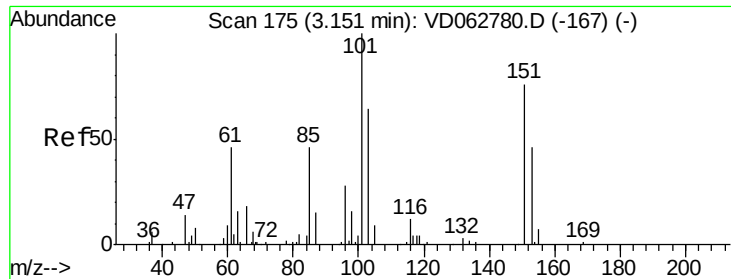


#8

Diethyl Ether
 Concen: 57.525 ug/l
 RT: 2.88 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	139.6	70.2	210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.514 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

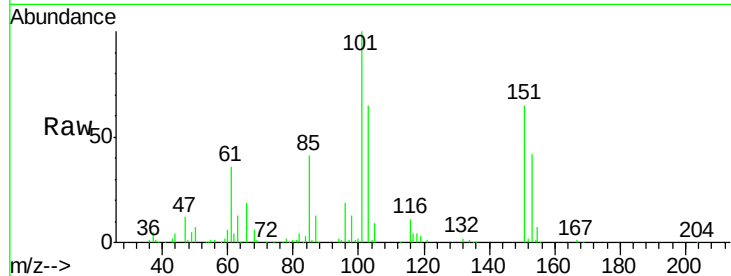
ClientSampleId :

VSTDCCC050EC

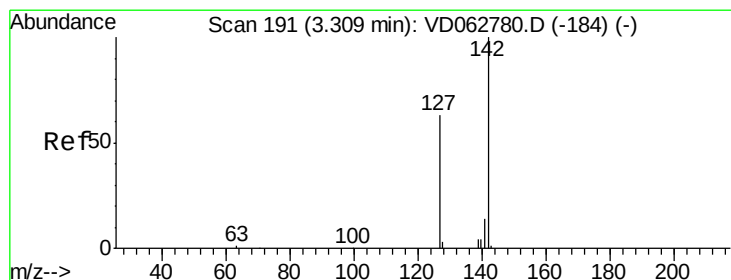
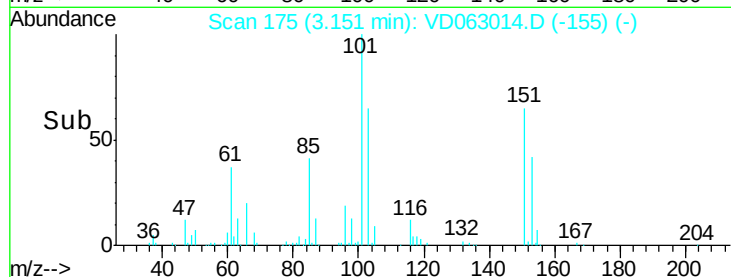
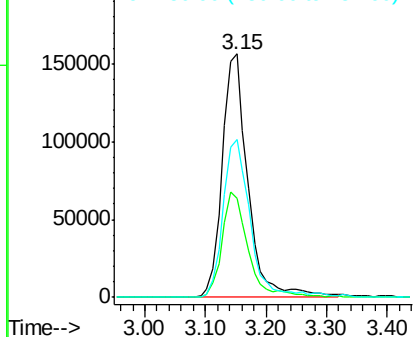
Tot Ion:	101	Resp:	462567
Ion Ratio		Lower	Upper
101	100		
85	40.8	37.0	55.4
151	65.0	60.5	90.7

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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: 55.517 ug/l

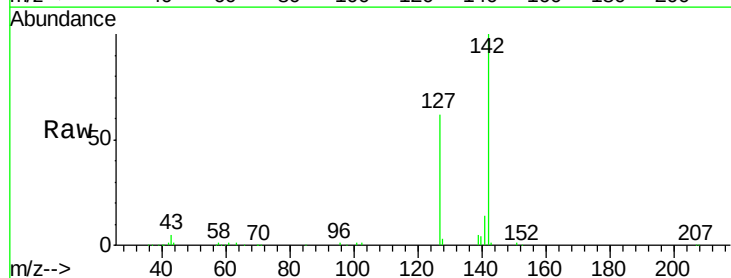
RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

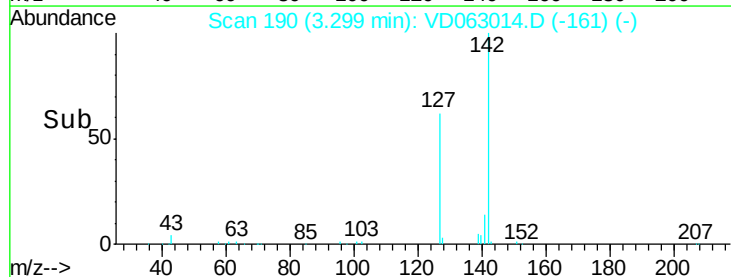
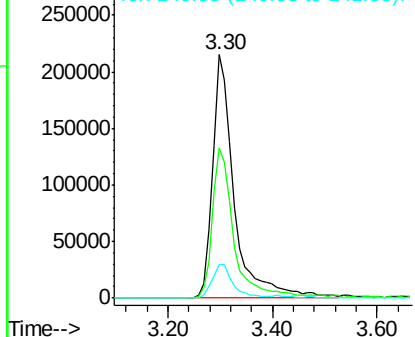
Lab File: VD063014.D

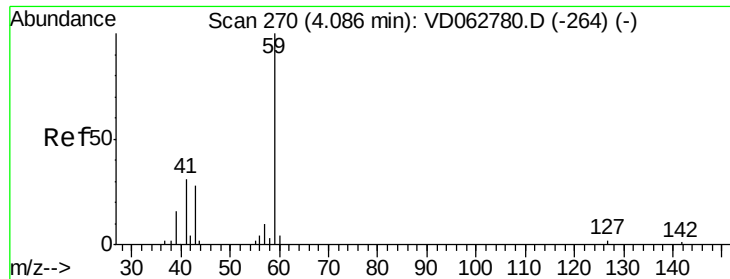
Acq: 2 Jul 2019 20:39

Tgt Ion:	142	Resp:	621489
Ion Ratio		Lower	Upper
142	100		
127	61.7	50.1	75.1
141	14.1	11.0	16.4



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





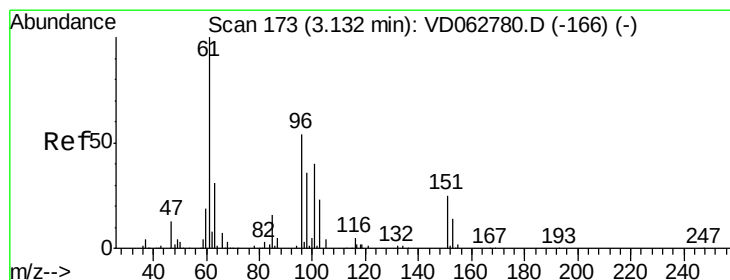
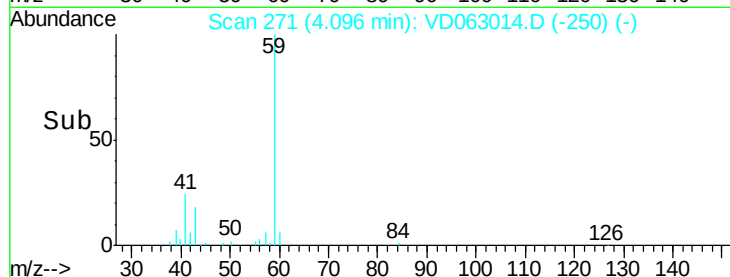
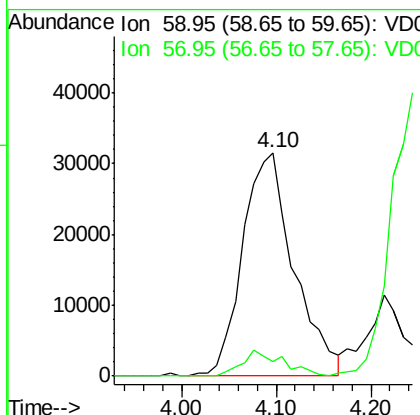
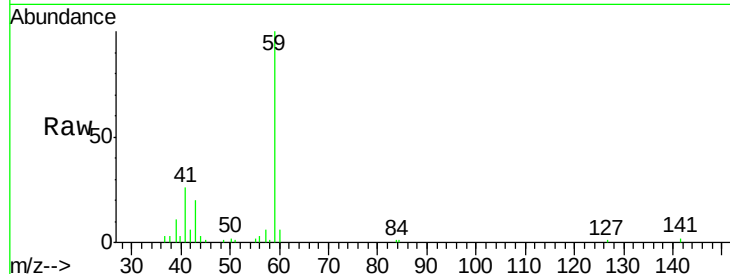
#11
Tert butyl alcohol
Concen: 298.910 ug/l
RT: 4.10 min Scan# 271
Delta R.T. 0.01 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 118688
Ion Ratio Lower Upper
59 100
57 6.3 6.6 10.0#

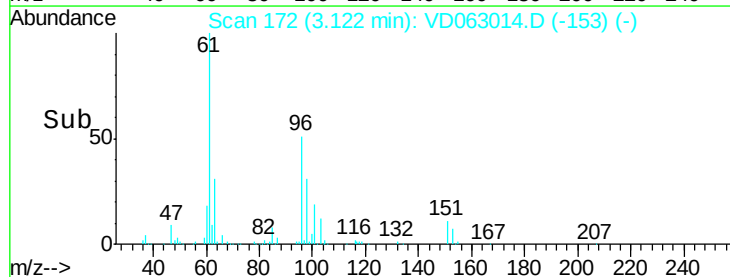
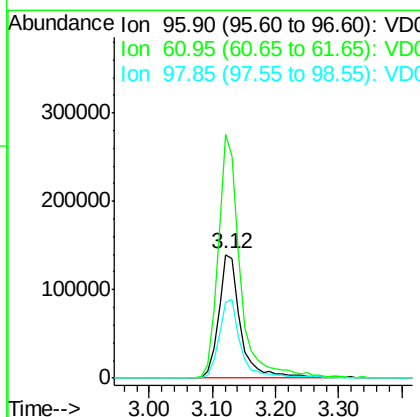
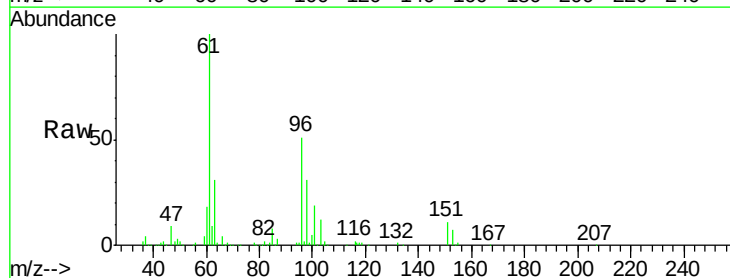
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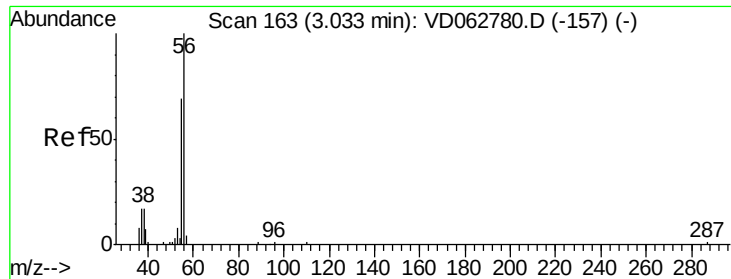
MMDadoda
7/3/2019 9:36:46 AM



#12
1,1-Dichloroethene
Concen: 53.569 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.01 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion: 96 Resp: 340990
Ion Ratio Lower Upper
96 100
61 196.9 147.1 220.7
98 61.5 52.6 79.0





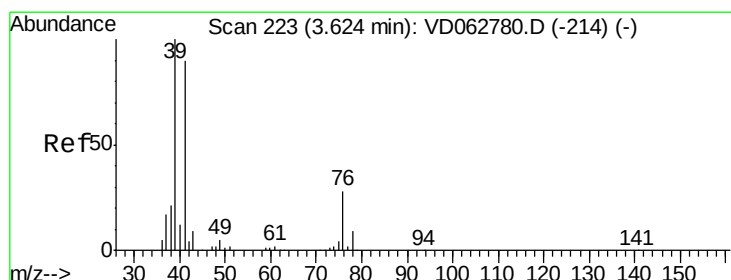
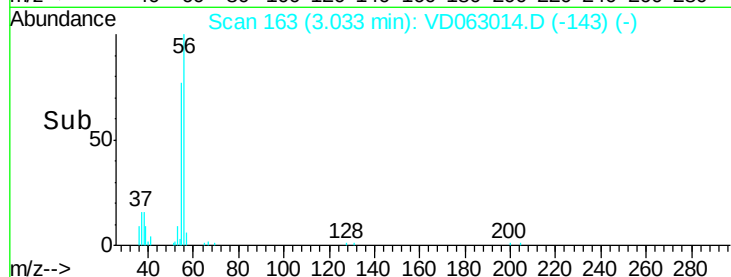
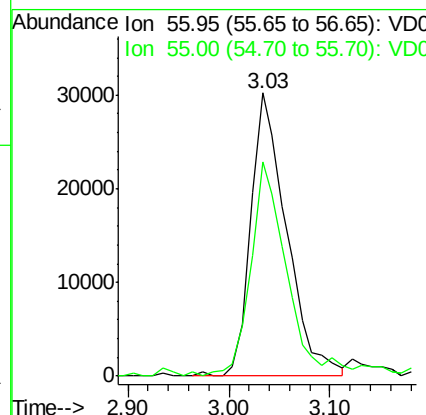
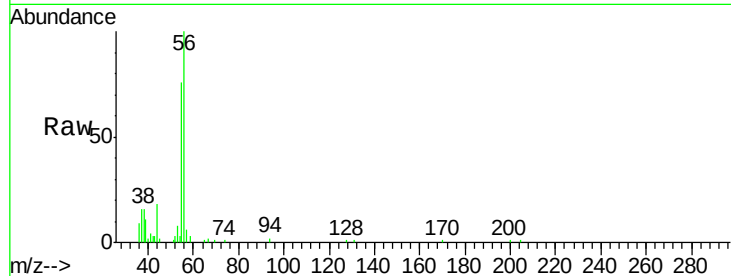
#13
Acrolein
Concen: 184.095 ug/l
RT: 3.03 min Scan# 163
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	74625
Ion Ratio	100	Lower	Upper
55	75.8	55.4	83.0

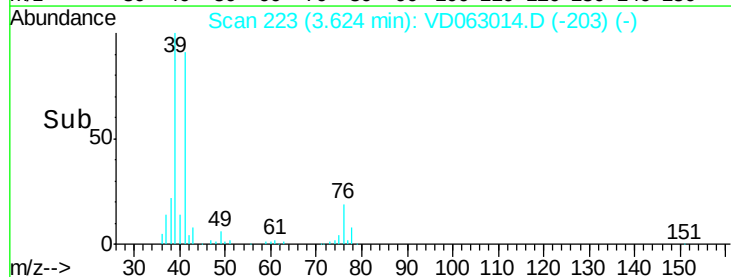
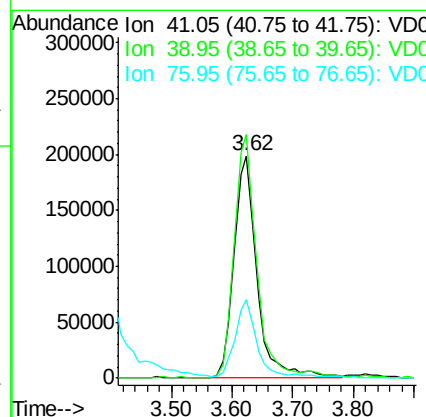
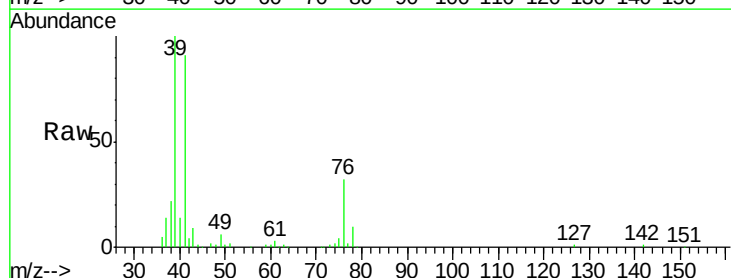
Manual Integrations
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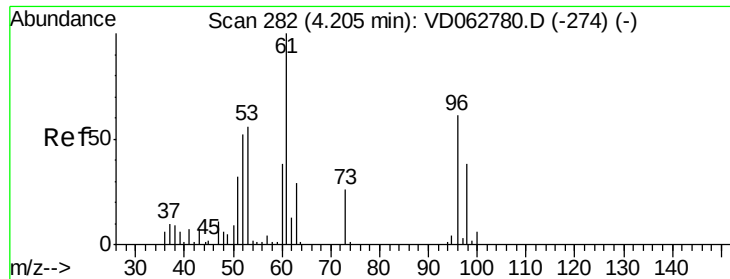
MMDadoda
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#14
Allyl chloride
Concen: 56.092 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion	41	Resp	527573
Ion Ratio	100	Lower	Upper
39	109.7	88.8	133.2
76	35.5	26.7	40.1





#15

Acrylonitrile

Concen: 295.417 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 275626

Ion Ratio Lower Upper

53 100

52 88.6 73.3 109.9

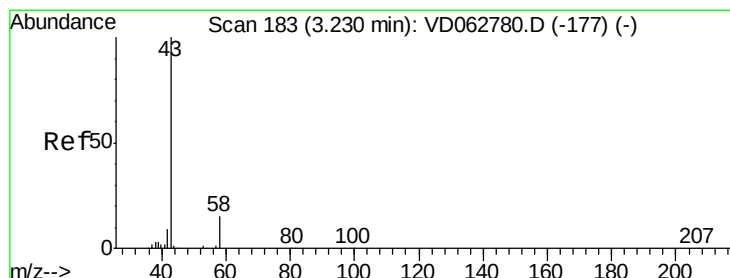
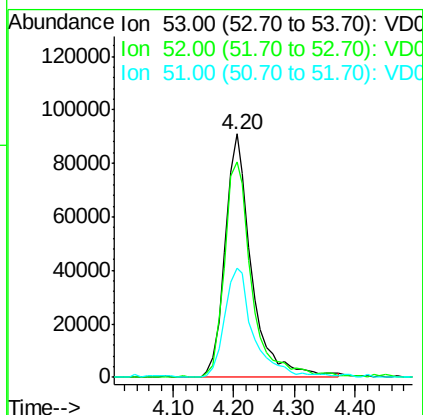
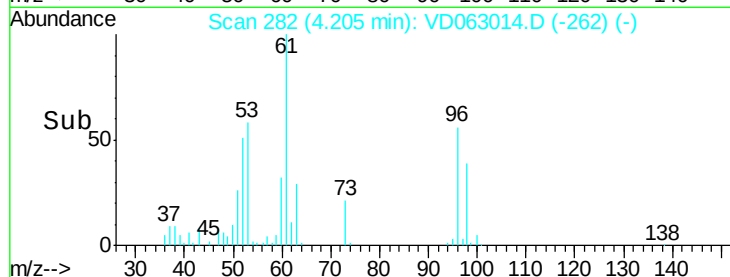
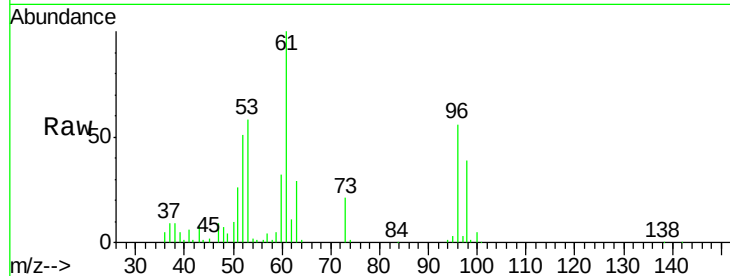
51 44.7 44.8 67.2#

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#16

Acetone

Concen: 255.030 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063014.D

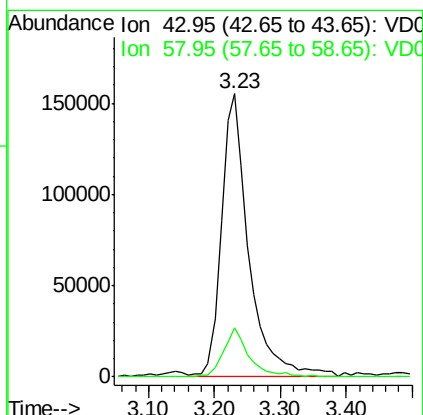
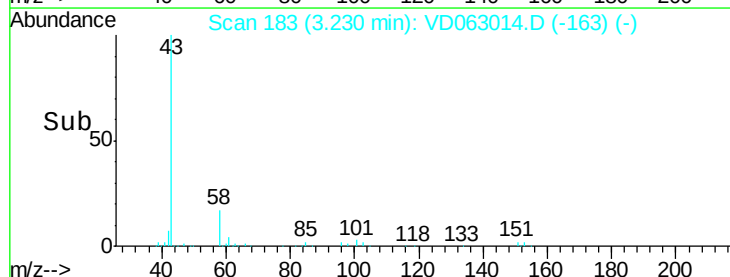
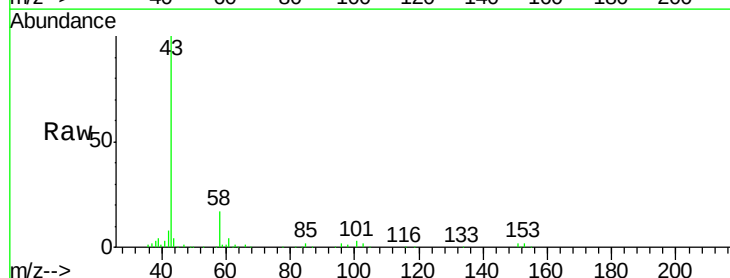
Acq: 2 Jul 2019 20:39

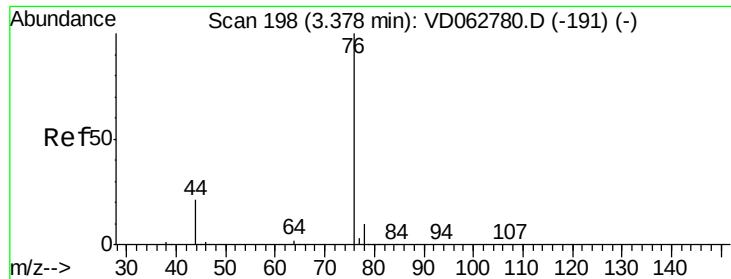
Tgt Ion: 43 Resp: 450640

Ion Ratio Lower Upper

43 100

58 17.2 11.9 17.9





#17

Carbon Disulfide

Concen: 49.787 ug/l

RT: 3.38 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 1012847

Ion Ratio Lower Upper

76 100

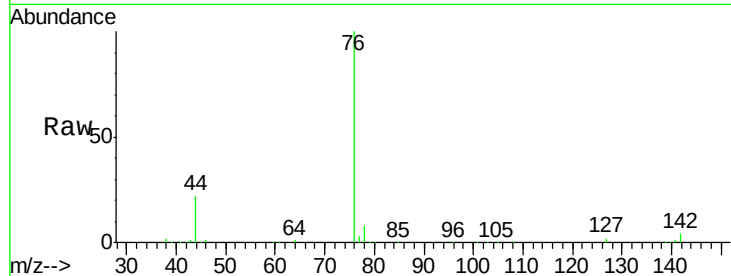
78 8.5 8.0 12.0

Manual Integrations

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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

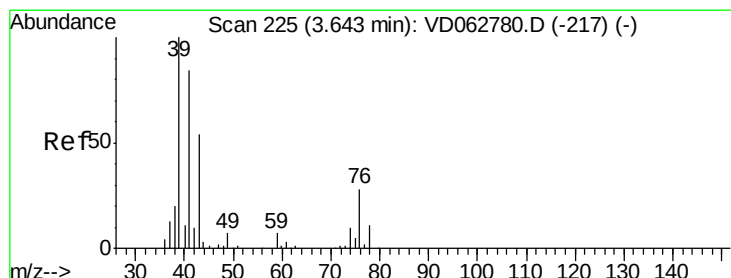
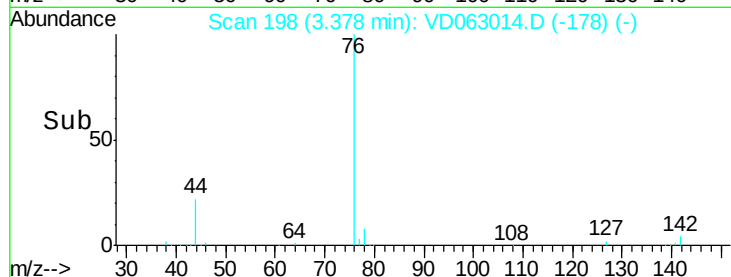
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 57.942 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD063014.D

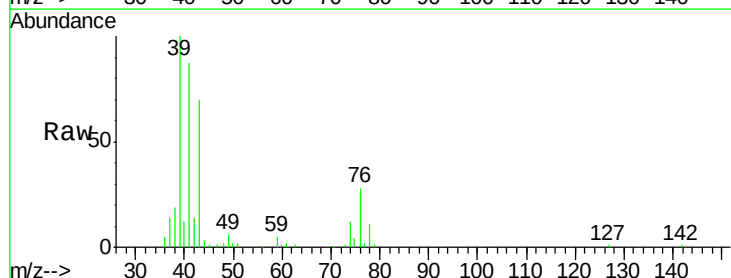
Acq: 2 Jul 2019 20:39

Tgt Ion: 43 Resp: 152492

Ion Ratio Lower Upper

43 100

74 17.6 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.64

60000

50000

40000

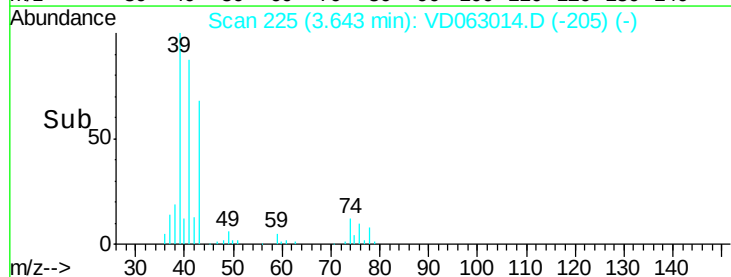
30000

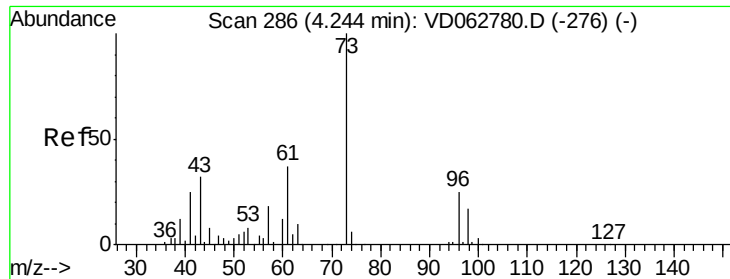
20000

10000

0

Time-->





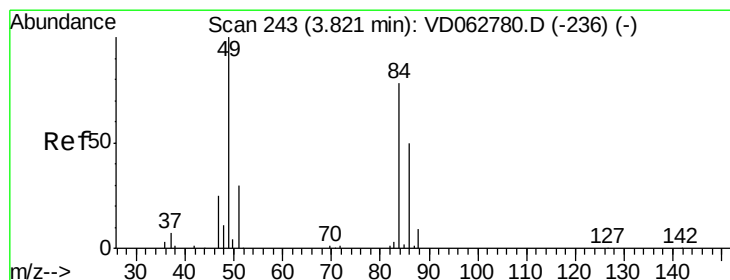
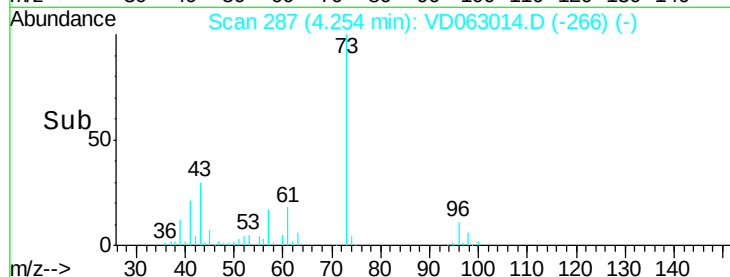
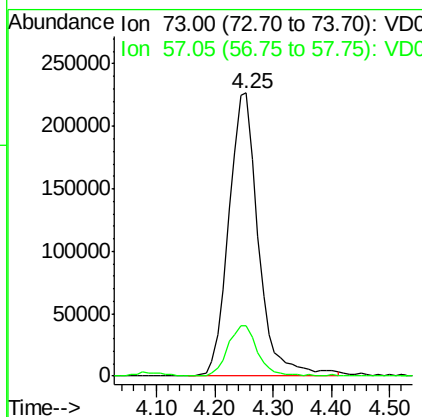
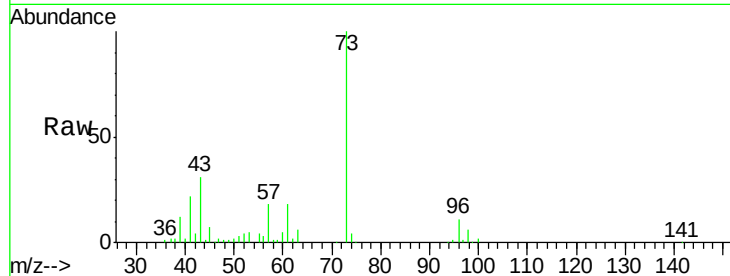
#19
Methyl tert-butyl Ether
Concen: 58.347 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 804010
Ion Ratio Lower Upper
73 100
57 17.7 14.3 21.5

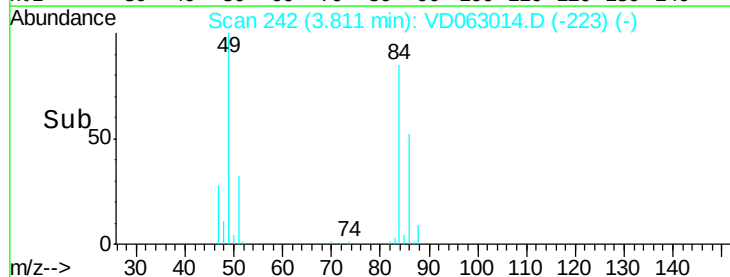
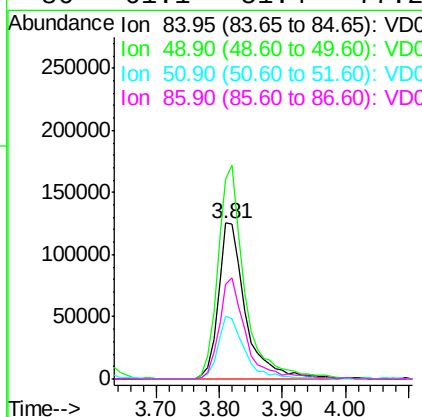
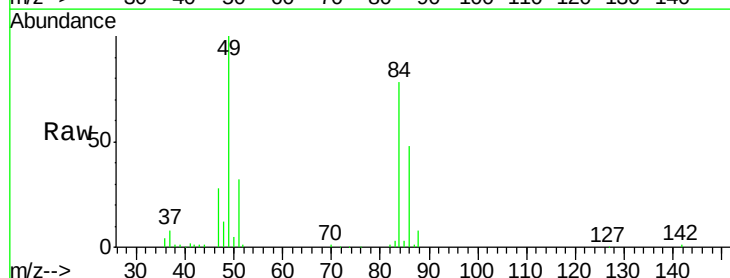
Manual Integrations
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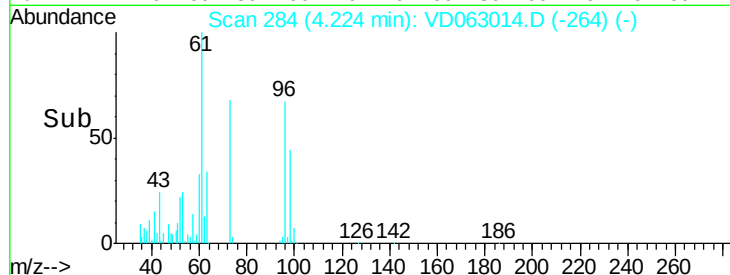
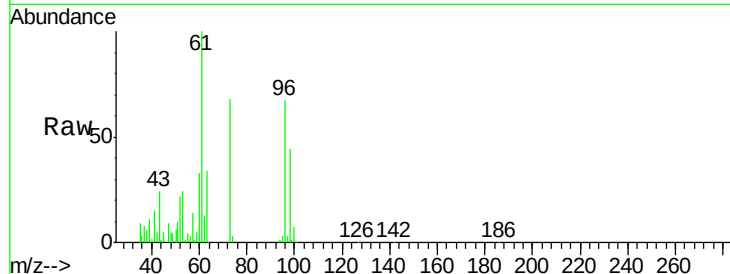
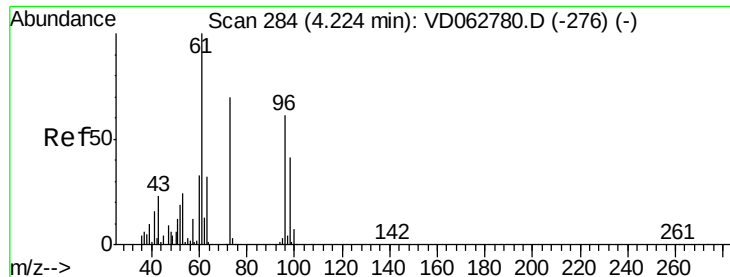
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#20
Methylene Chloride
Concen: 56.934 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion: 84 Resp: 378551
Ion Ratio Lower Upper
84 100
49 128.3 102.9 154.3
51 40.6 31.2 46.8
86 61.1 51.4 77.2





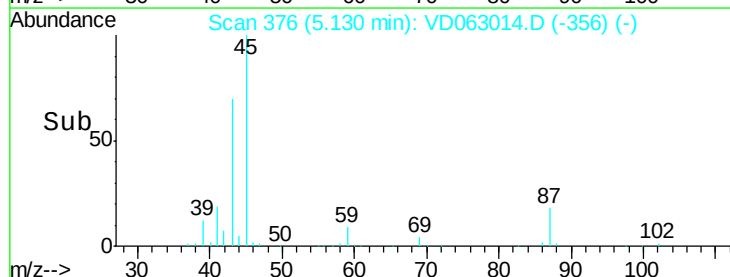
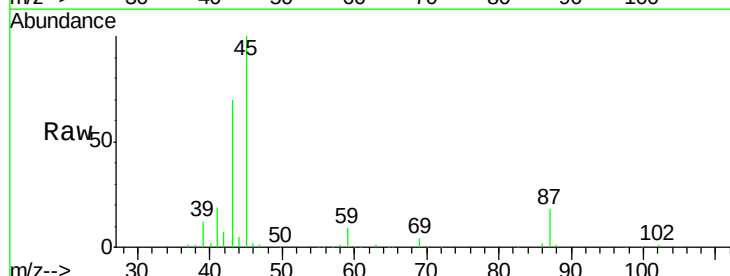
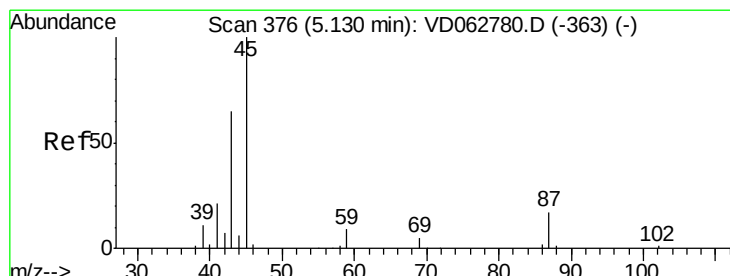
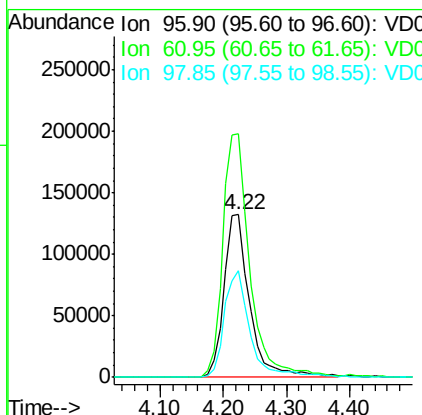
#21
trans-1,2-Dichloroethene
Concen: 55.119 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.7	131.0	196.4
98	65.4	53.2	79.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

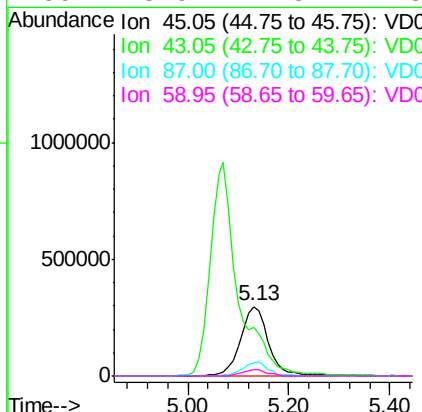
Manual Integrations
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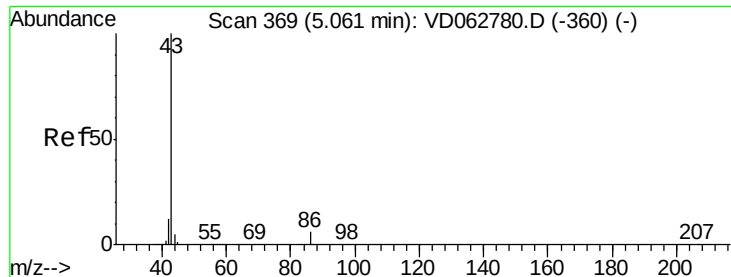
MMDadoda
7/3/2019 9:36:46 AM



#22
Diisopropyl ether
Concen: 59.685 ug/l
RT: 5.13 min Scan# 376
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.8	53.4	80.0
87	18.2	14.6	22.0
59	8.9	7.8	11.8





#23

Vinyl Acetate

Concen: 295.017 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3531062

Ion Ratio Lower Upper

43 100

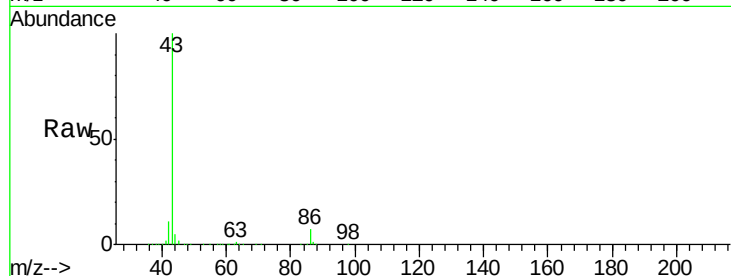
86 6.6 4.7 7.1

Manual Integrations

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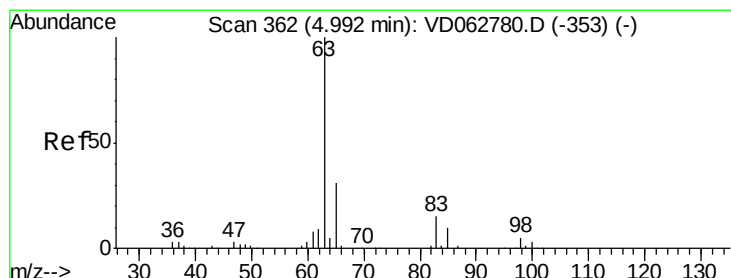
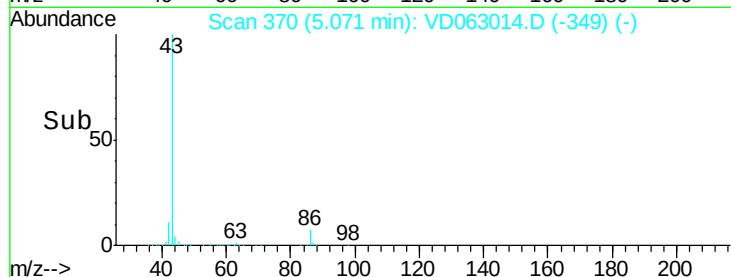
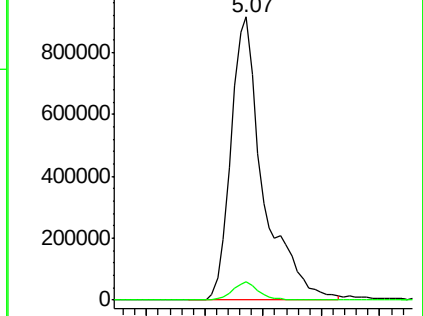
MMDadoda

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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: 58.877 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

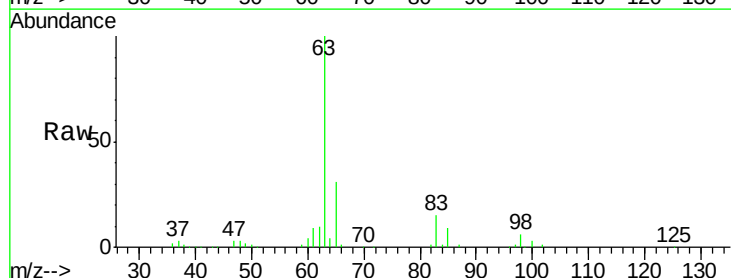
Tgt Ion: 63 Resp: 733229

Ion Ratio Lower Upper

63 100

98 5.9 2.3 6.9

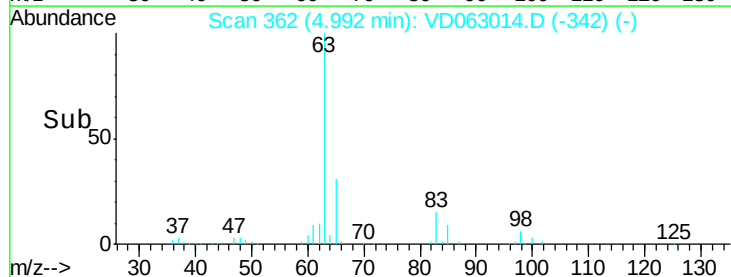
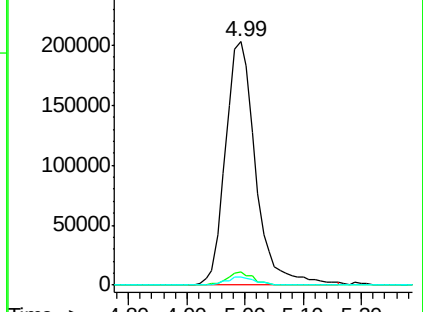
100 3.1 1.7 5.1

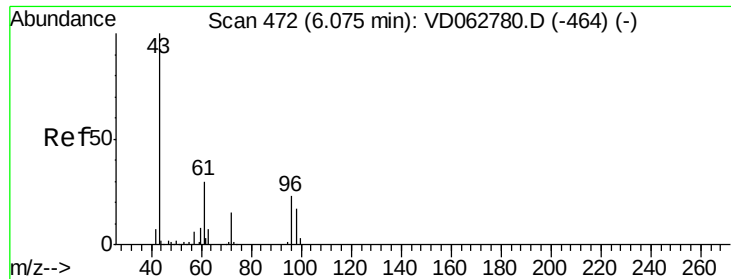


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 298.752 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 487138

Ion Ratio Lower Upper

43 100

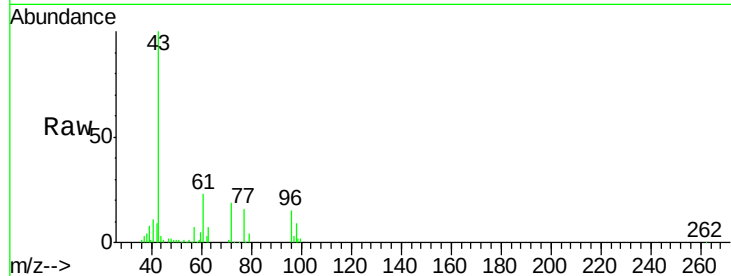
72 18.5 11.9 17.9#

Manual Integrations

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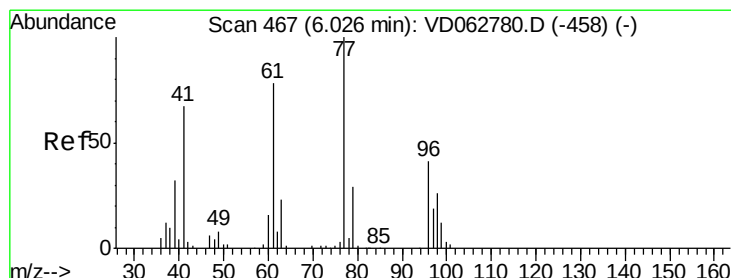
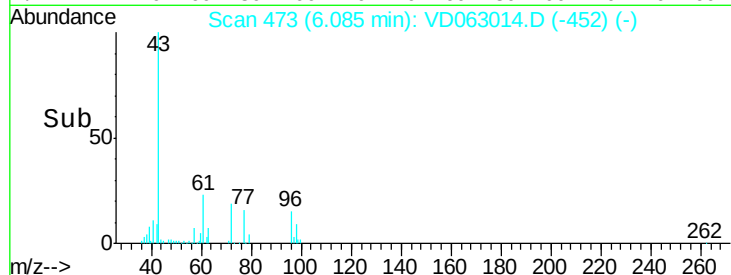
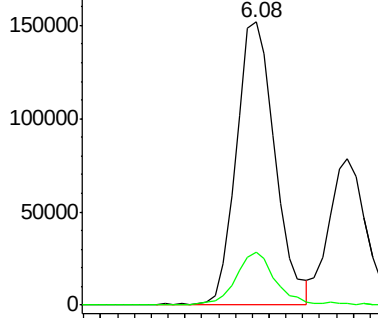
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7/3/2019 9:36:46 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 55.095 ug/l

RT: 6.03 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD063014.D

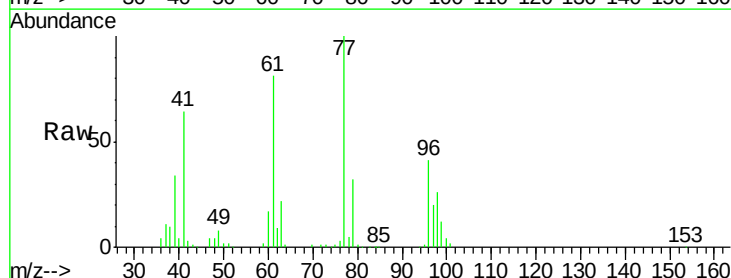
Acq: 2 Jul 2019 20:39

Tgt Ion: 77 Resp: 727262

Ion Ratio Lower Upper

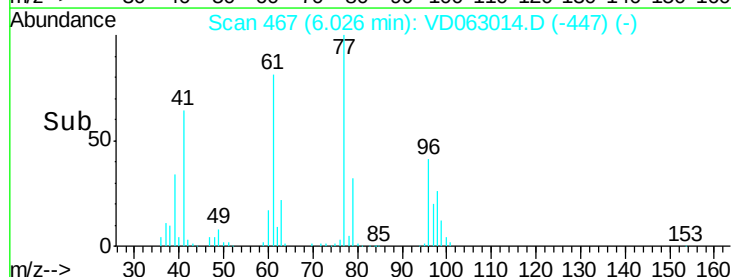
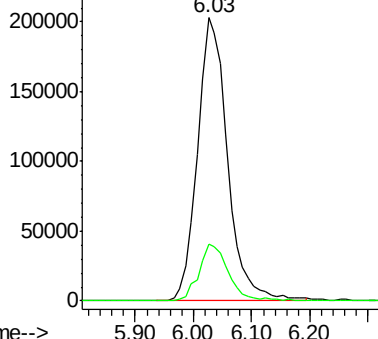
77 100

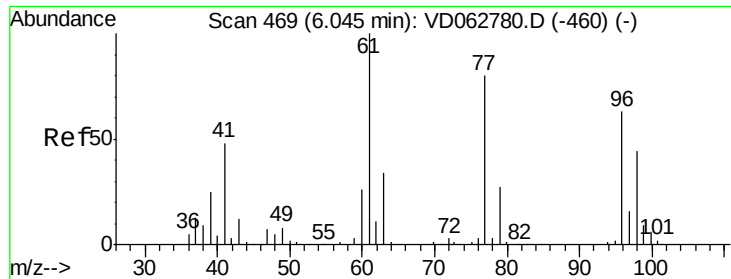
97 20.0 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

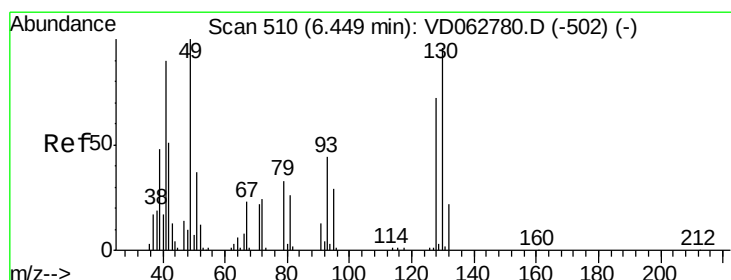
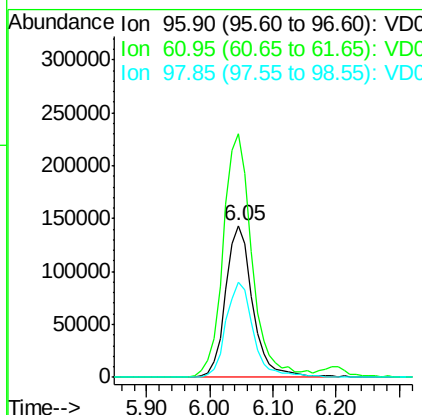
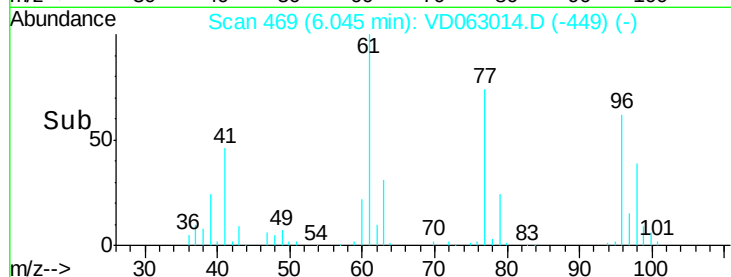
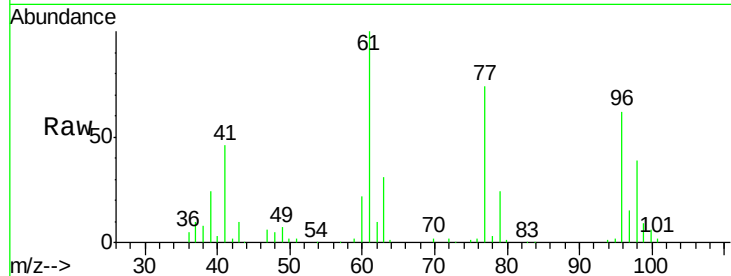
cis-1,2-Dichloroethene
Concen: 59.702 ug/l
RT: 6.05 min Scan# 469
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	427905		
61	160.2	0.0	316.0	
98	62.6	0.0	138.4	

Manual Integrations
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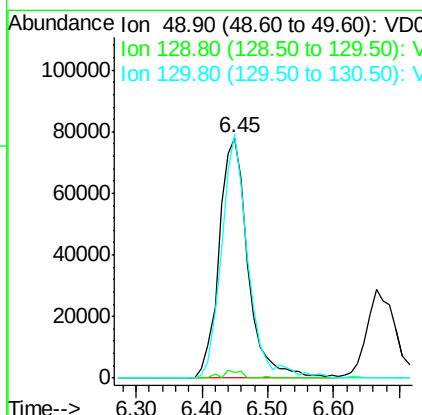
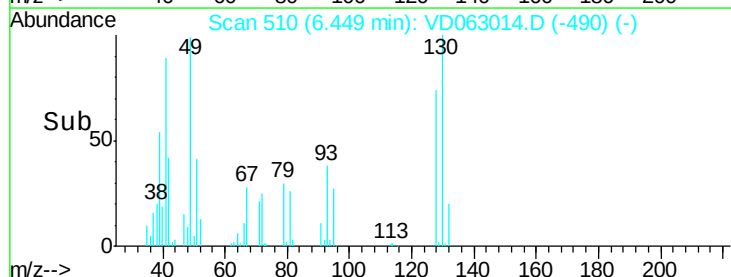
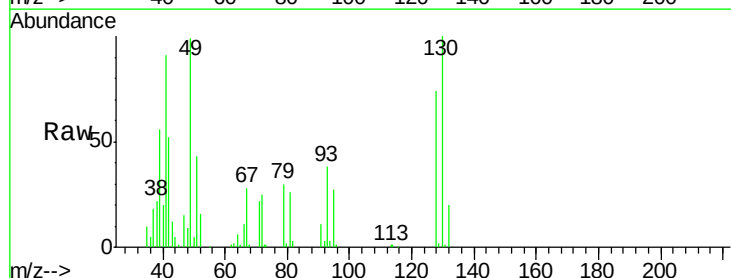
MMDadoda
7/3/2019 9:36:46 AM

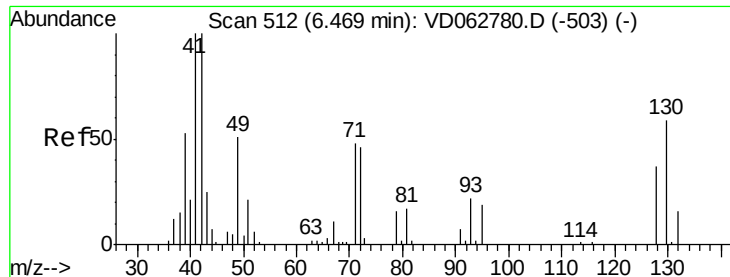


#28

Bromochloromethane
Concen: 54.200 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	237728		
129	2.1	0.0	5.6	
130	101.5	76.6	114.8	





#29

Tetrahydrofuran

Concen: 304.419 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 42 Resp: 234856

Ion Ratio Lower Upper

42 100

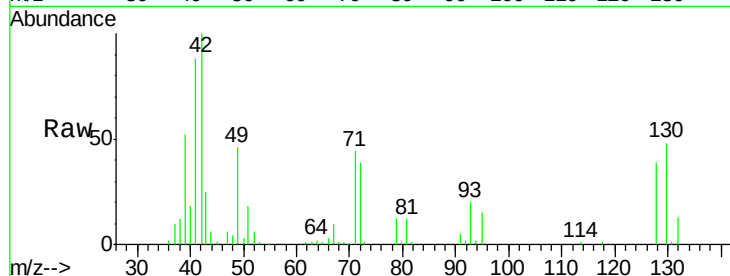
72 42.4 35.0 52.6

71 44.2 33.3 49.9

Manual Integrations
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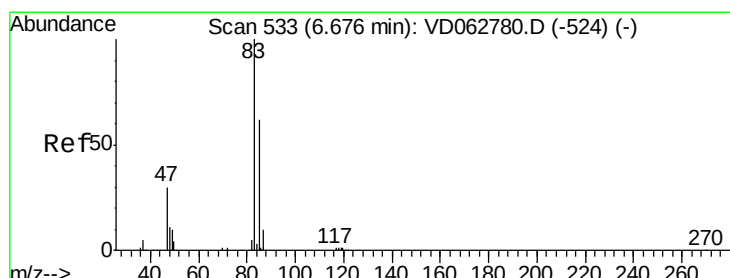
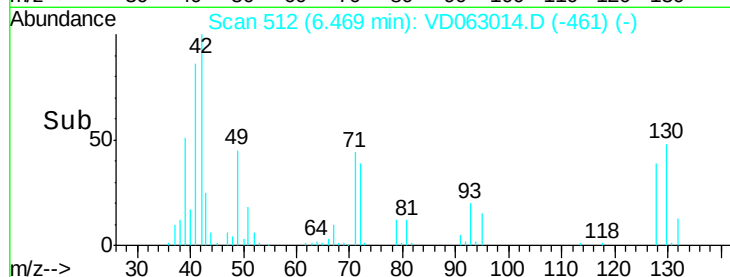
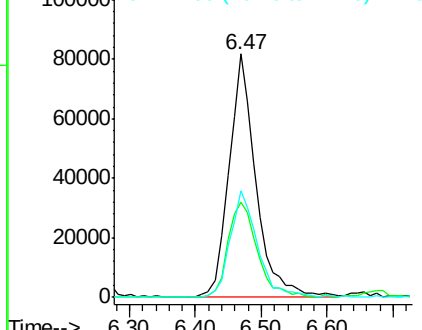
7/3/2019 9:36:46 AM



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 59.243 ug/l

RT: 6.67 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD063014.D

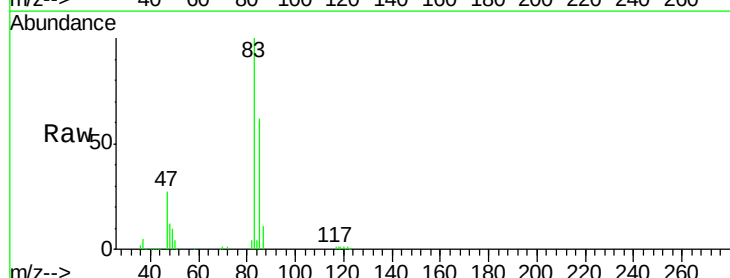
Acq: 2 Jul 2019 20:39

Tgt Ion: 83 Resp: 897260

Ion Ratio Lower Upper

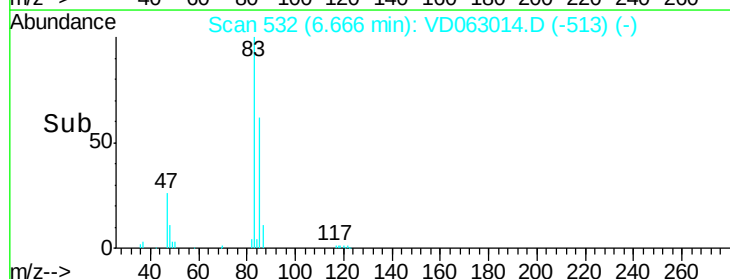
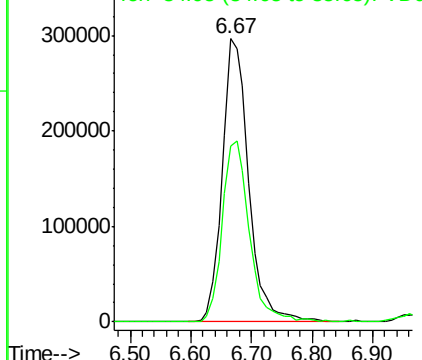
83 100

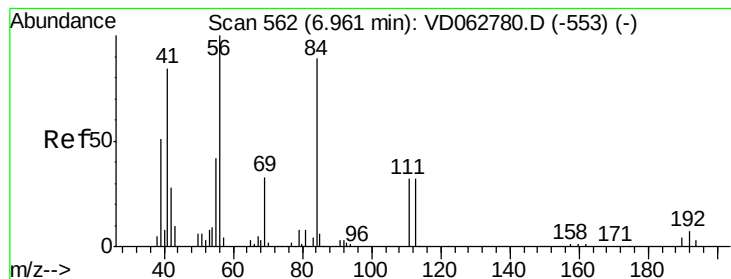
85 62.2 49.8 74.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 53.393 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

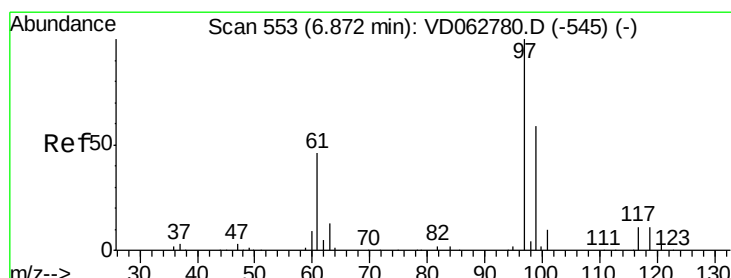
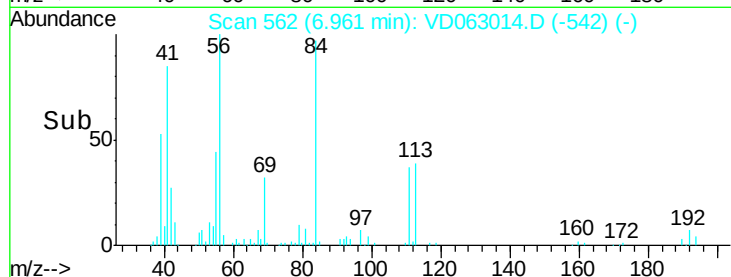
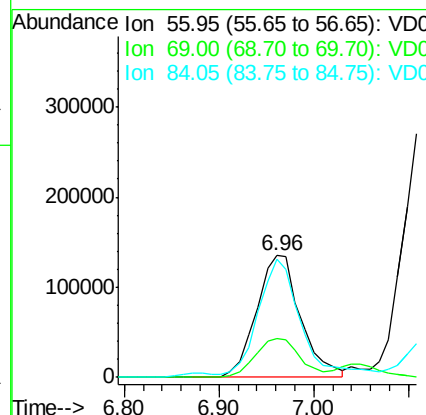
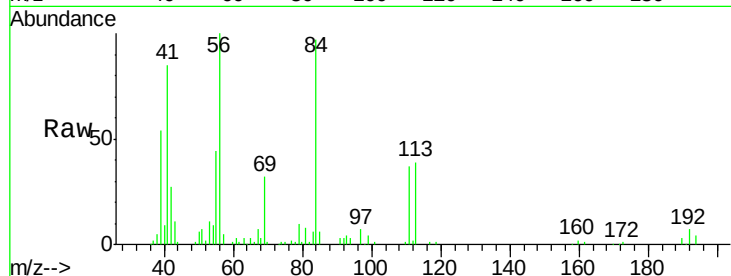
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	437133
Ion	Ratio	Lower	Upper
56	100		
69	31.6	26.6	39.8
84	96.6	75.5	113.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 56.065 ug/l

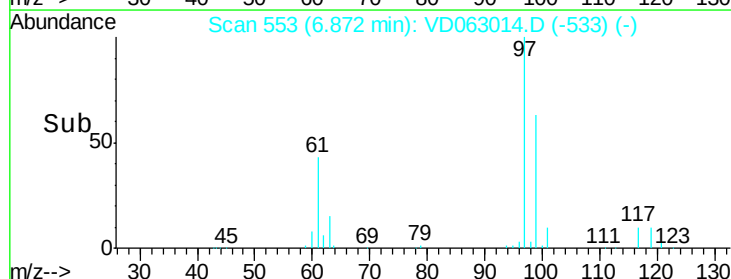
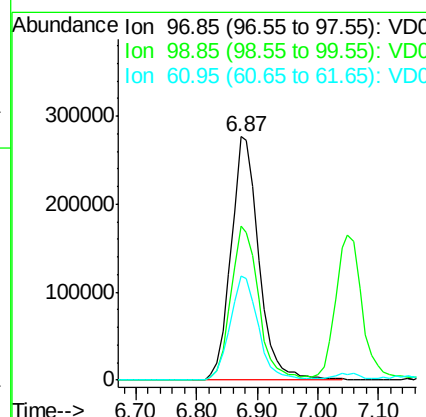
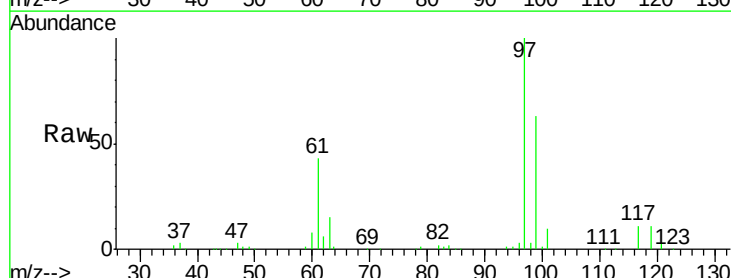
RT: 6.87 min Scan# 553

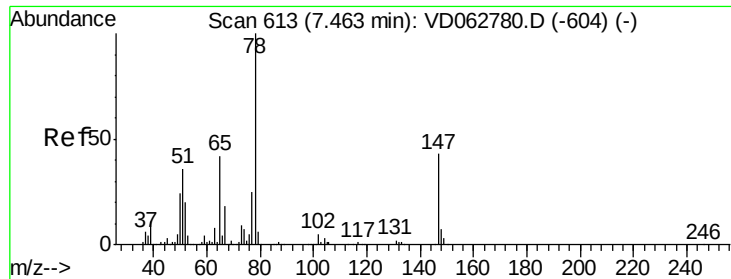
Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Tgt Ion:	97	Resp:	884436
Ion	Ratio	Lower	Upper
97	100		
99	63.3	47.4	71.2
61	43.0	37.2	55.8





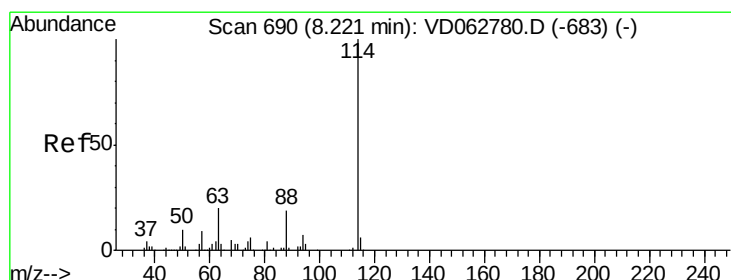
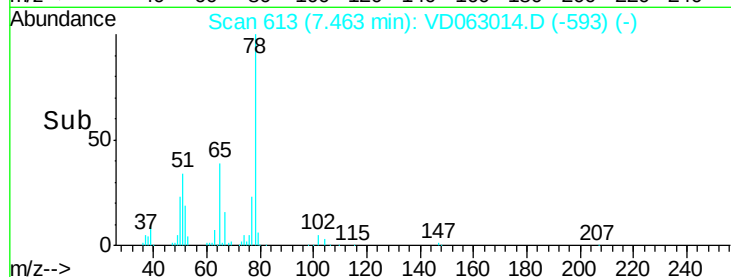
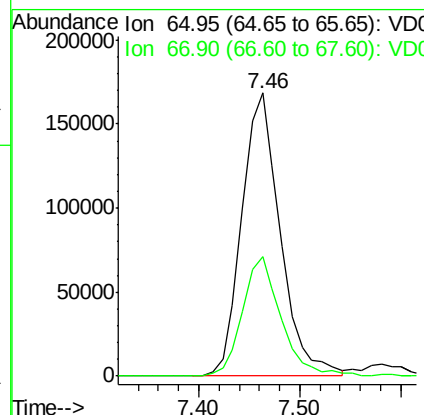
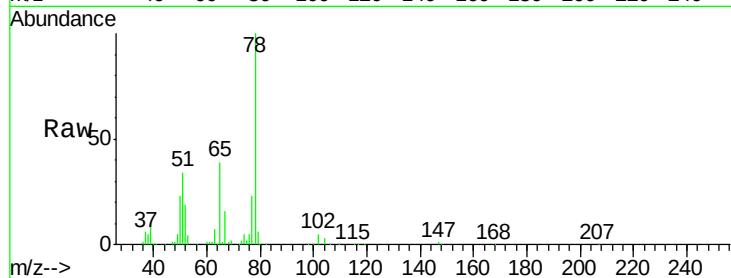
#33
 1,2-Dichloroethane-d4
 Concen: 51.299 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	42.1	0.0	87.4

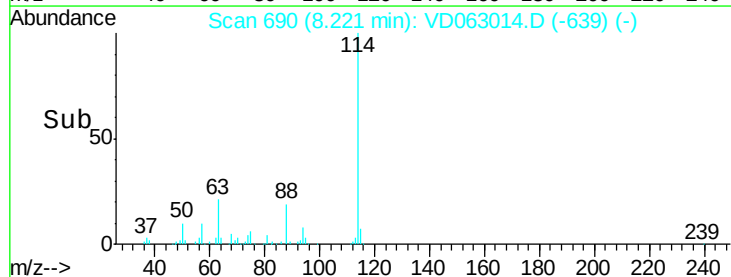
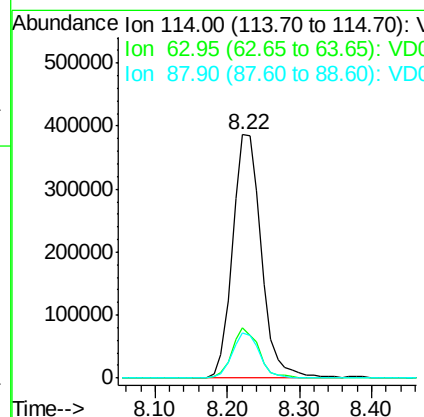
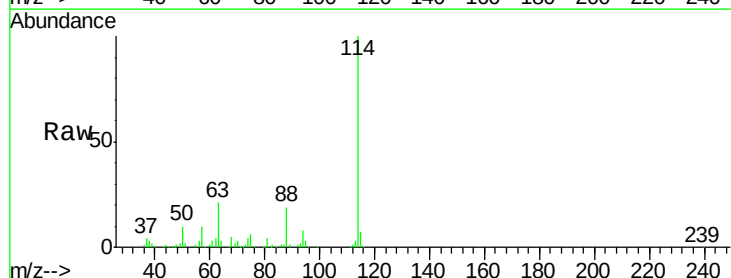
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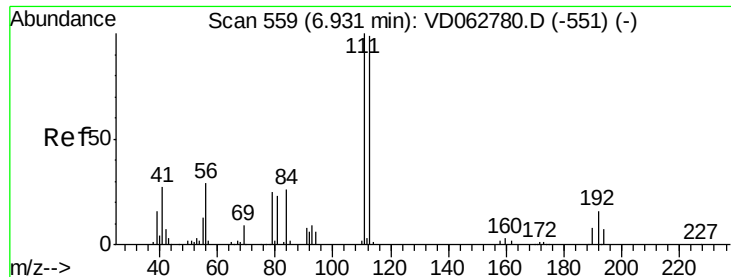
MMDadoda
 7/3/2019 9:36:46 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.0
88	18.6	0.0	38.8





#35

Dibromofluoromethane

Concen: 50.990 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

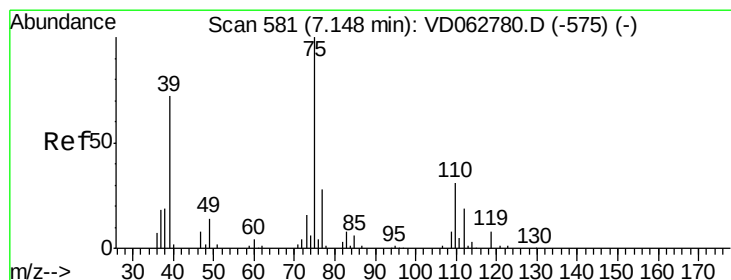
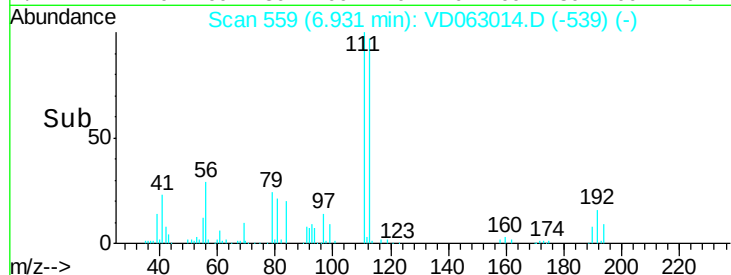
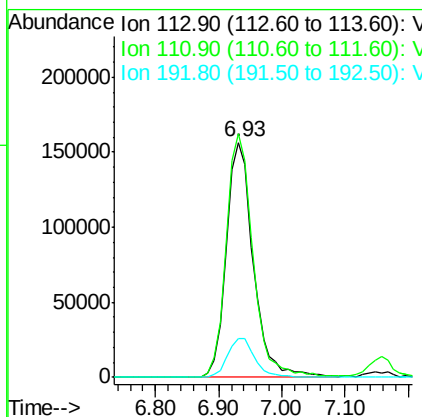
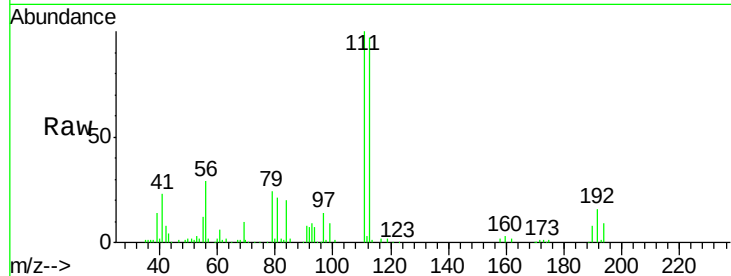
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	462037
Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.2	121.8
192	16.6	12.9	19.3

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 56.808 ug/l

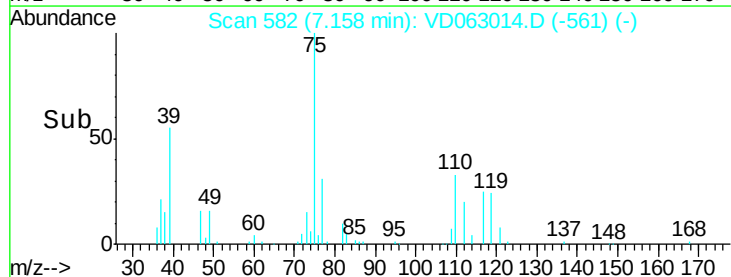
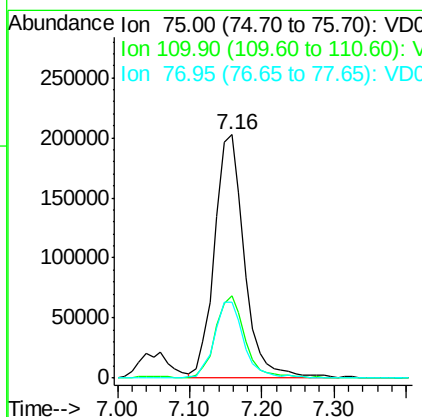
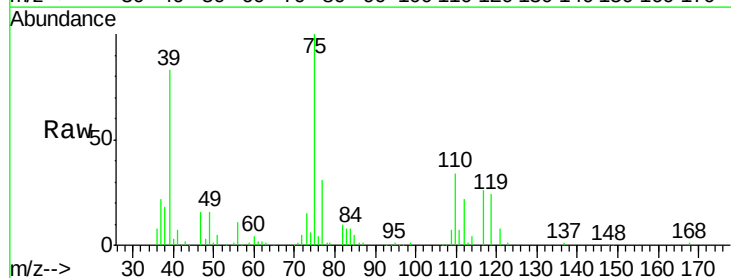
RT: 7.16 min Scan# 582

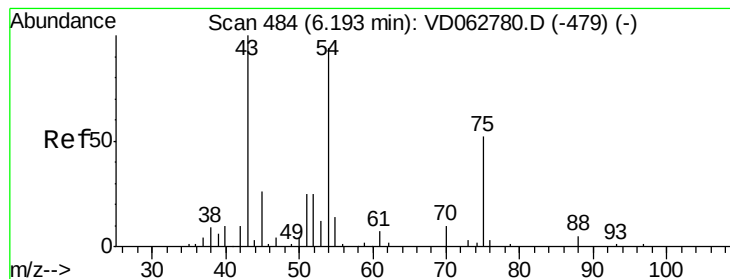
Delta R.T. 0.01 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Tgt Ion:	75	Resp:	577910
Ion	Ratio	Lower	Upper
75	100		
110	33.8	15.0	45.1
77	31.1	22.2	33.2





#37

Ethyl Acetate

Concen: 57.675 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 245748

Ion Ratio Lower Upper

43 100

61 12.4 11.6 17.4

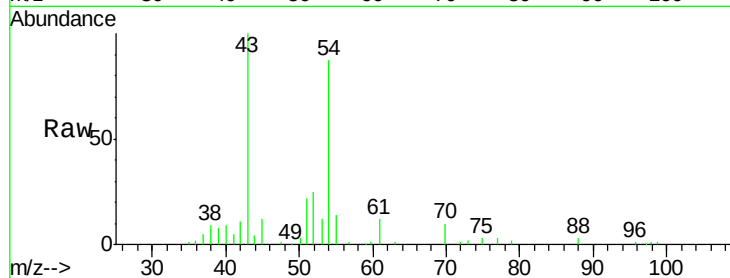
70 10.3 6.4 9.6#

Manual Integrations

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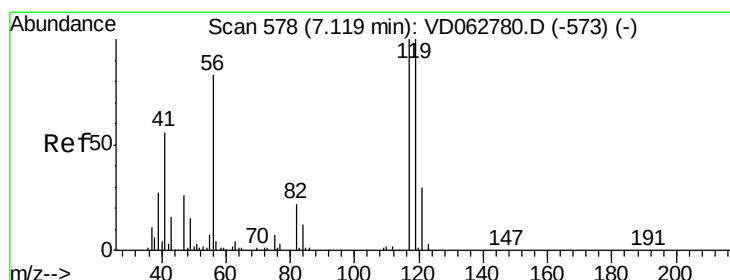
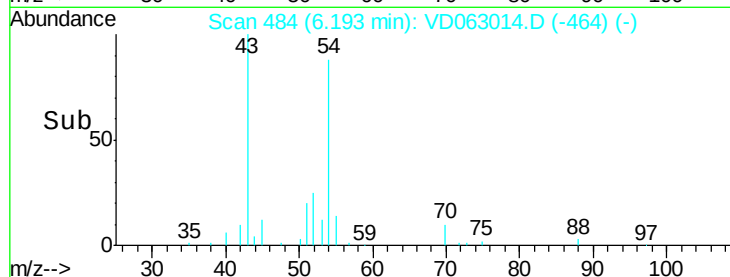
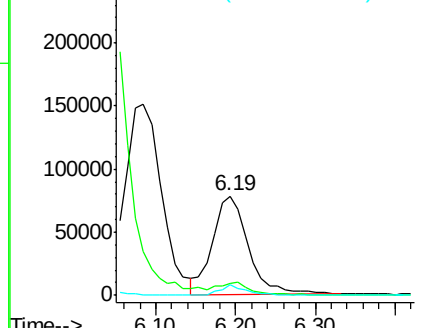
7/3/2019 9:36:46 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 58.324 ug/l m

RT: 7.12 min Scan# 578

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

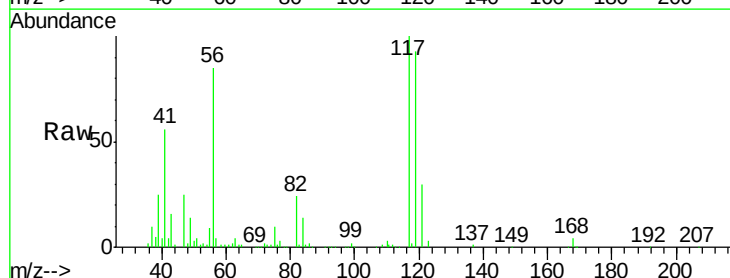
Tgt Ion: 117 Resp: 892357

Ion Ratio Lower Upper

117 100

119 93.2 75.4 113.2

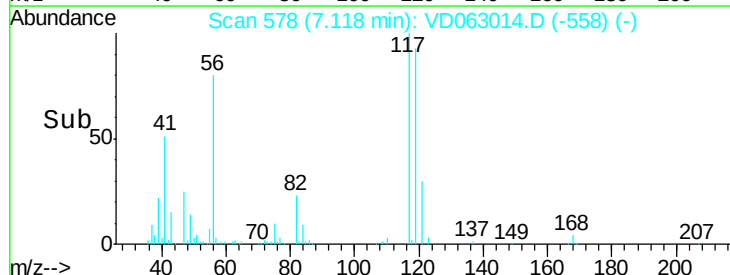
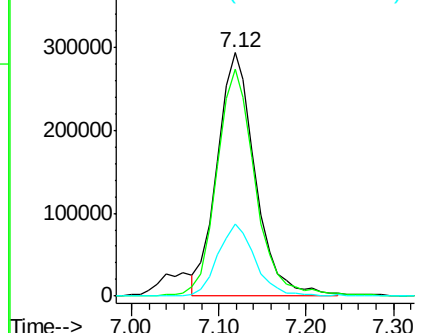
121 29.7 22.3 33.5

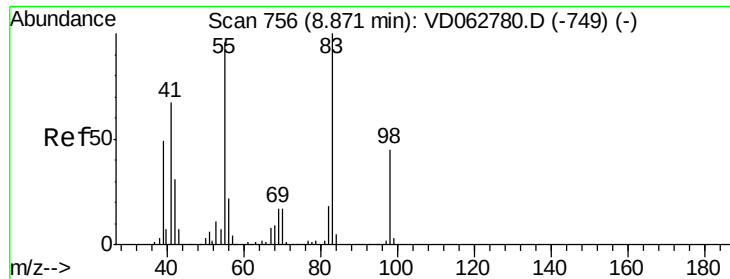


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





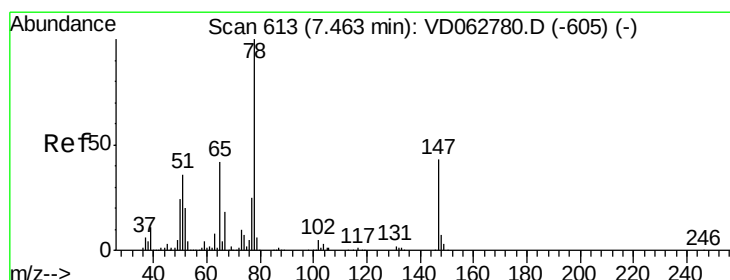
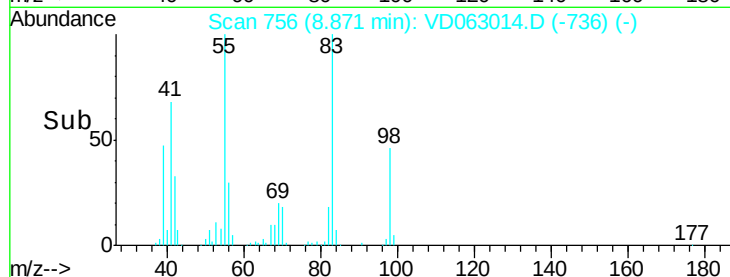
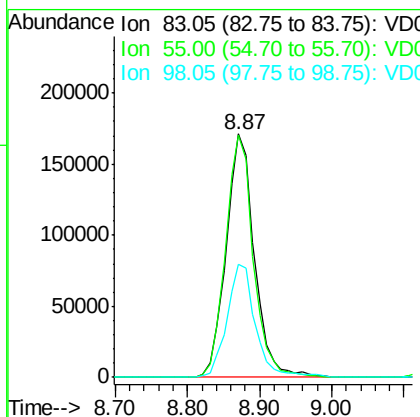
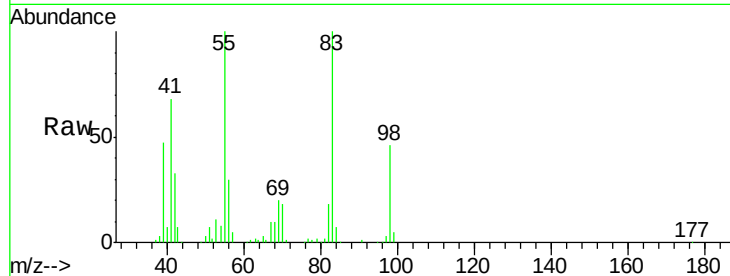
#39
Methylvlcyclohexane
Concen: 52.124 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	99.7	76.6	115.0
98	46.4	35.7	53.5

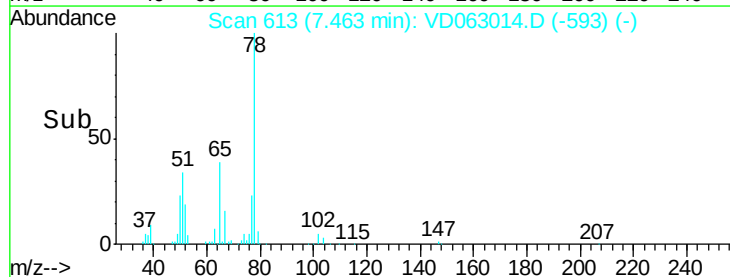
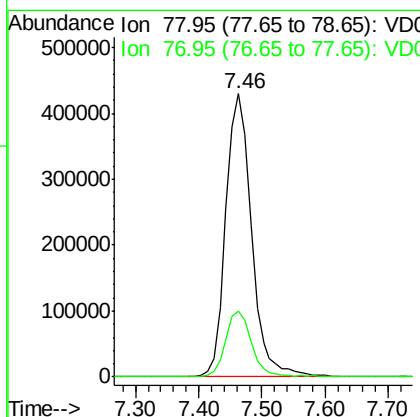
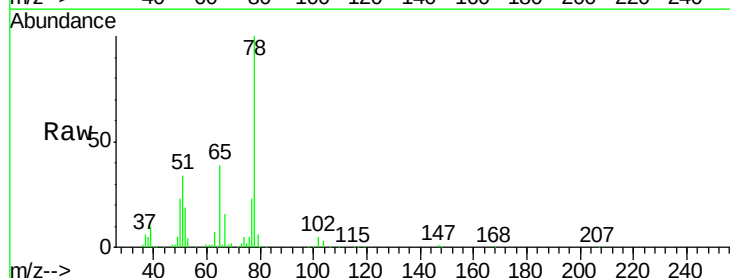
Manual Integrations
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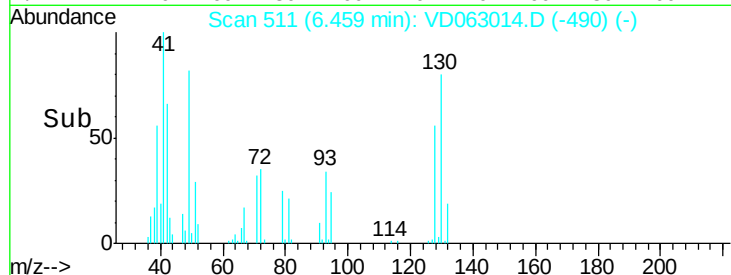
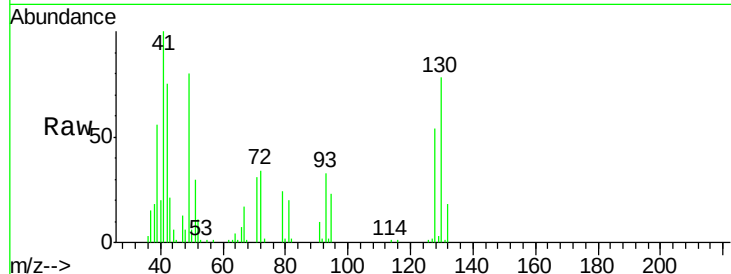
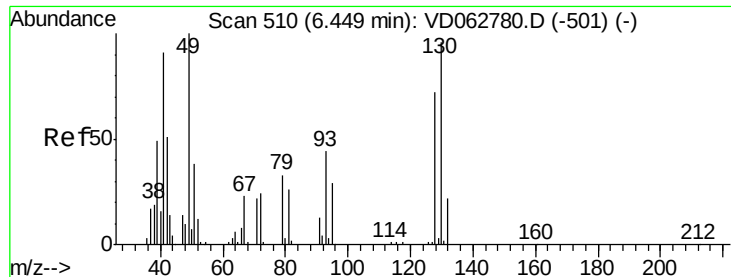
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#40
Benzene
Concen: 59.759 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	20.2	30.2





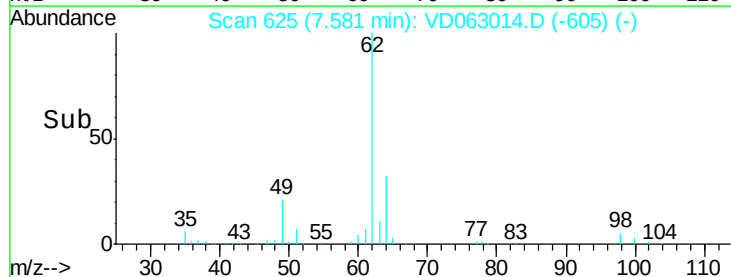
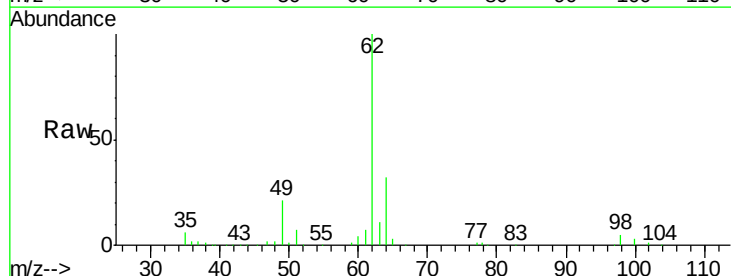
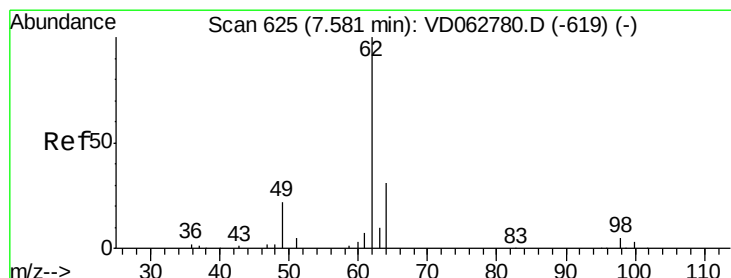
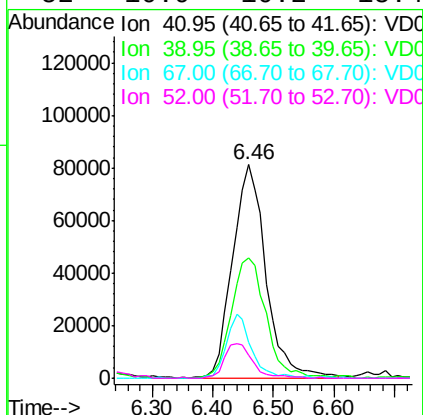
#41
Methacrylonitrile
Concen: 58.119 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.4	43.2	64.8
67	16.8	19.9	29.9
52	10.9	10.2	15.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

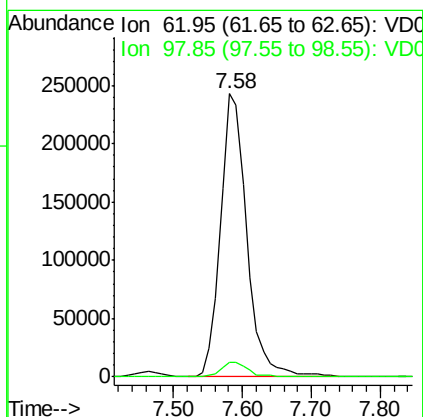
Manual Integrations
APPROVED

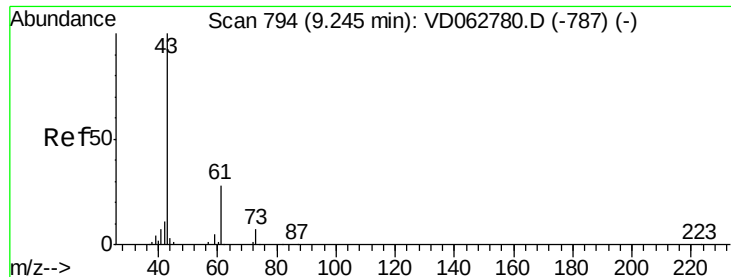
MMDadoda
7/3/2019 9:36:46 AM



#42
1,2-Dichloroethane
Concen: 57.825 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.1	0.0	10.0





#43

Isopropyl Acetate

Concen: 63.590 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

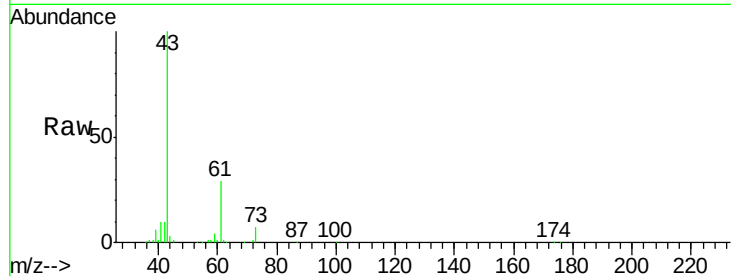
ClientSampleId :

VSTDCCC050EC

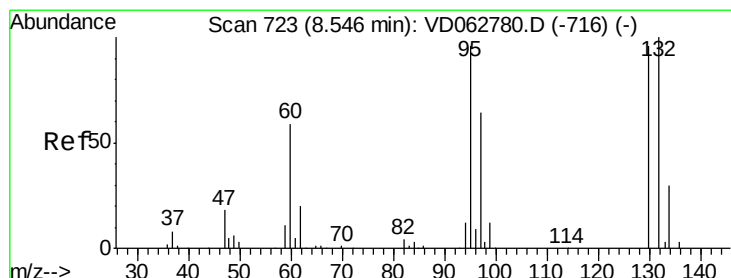
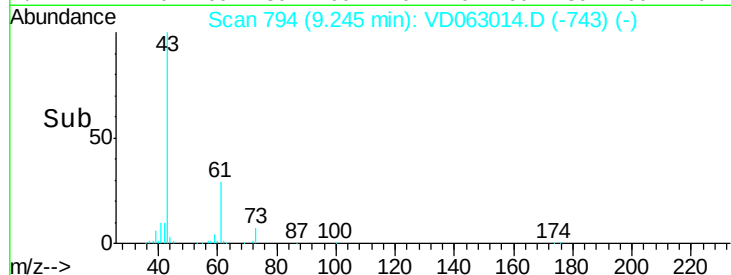
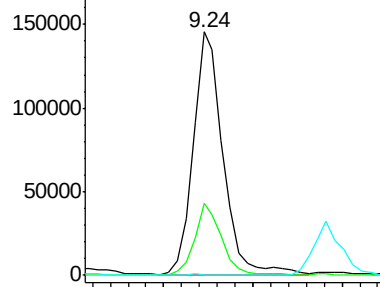
Tot Ion:	43	Resp:	339151
Ion	Ratio	Lower	Upper
43	100		
61	29.5	22.4	33.6
87	0.4	0.3	0.5

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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: 59.457 ug/l

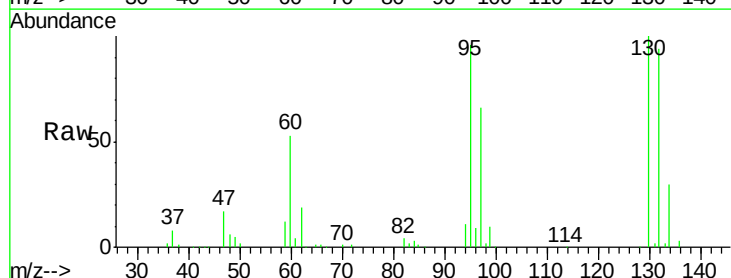
RT: 8.55 min Scan# 723

Delta R.T. -0.00 min

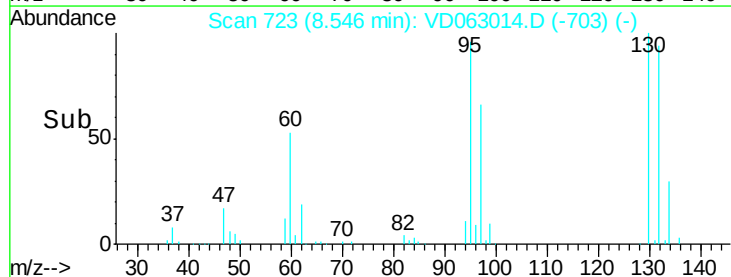
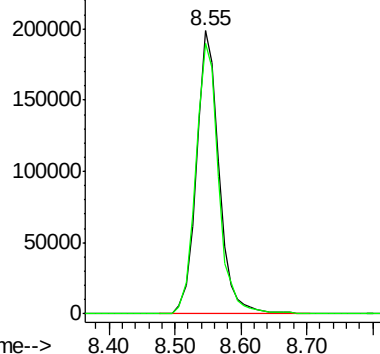
Lab File: VD063014.D

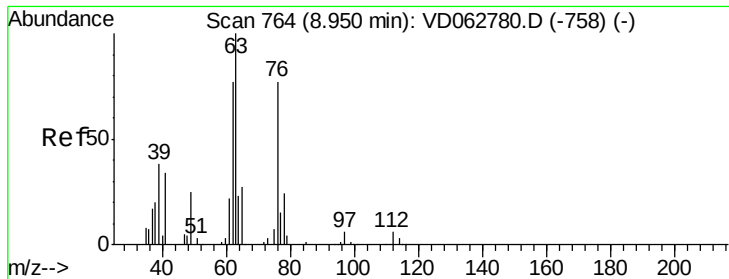
Acq: 2 Jul 2019 20:39

Tgt Ion:	130	Resp:	475993
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	201.6



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





#45

1,2-Dichloropropane

Concen: 58.150 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 295268

Ion Ratio Lower Upper

63 100

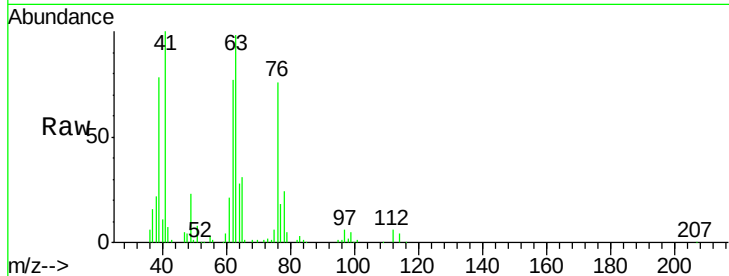
65 31.6 24.2 36.2

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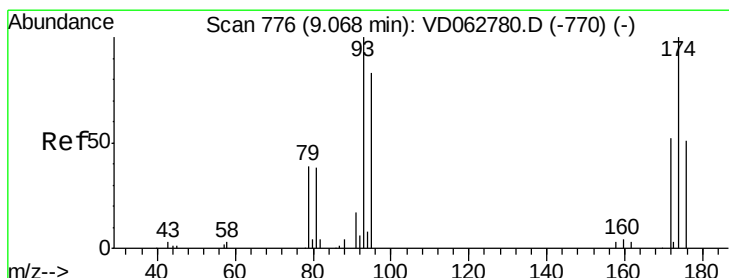
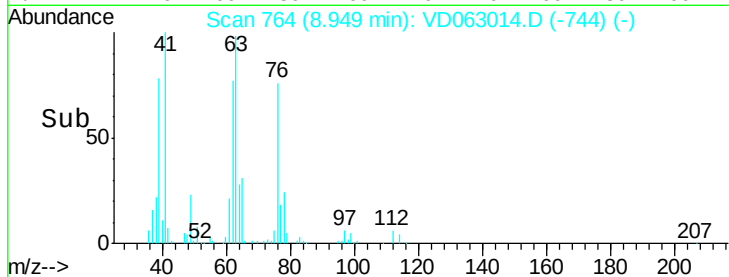
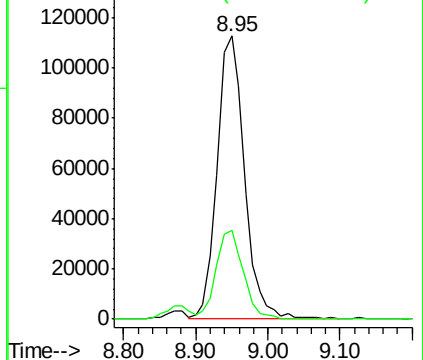
MMDadoda

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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: 59.019 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

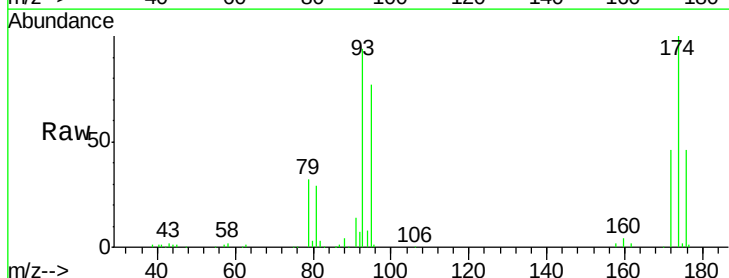
Tgt Ion: 93 Resp: 257430

Ion Ratio Lower Upper

93 100

95 82.3 66.6 100.0

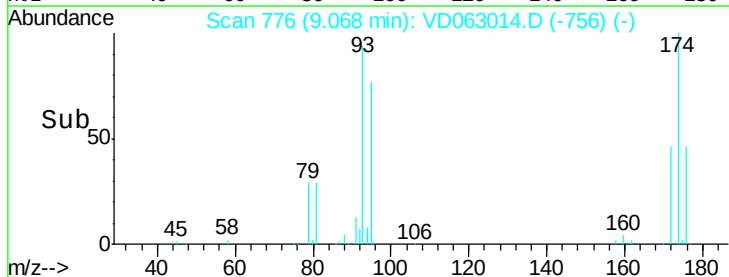
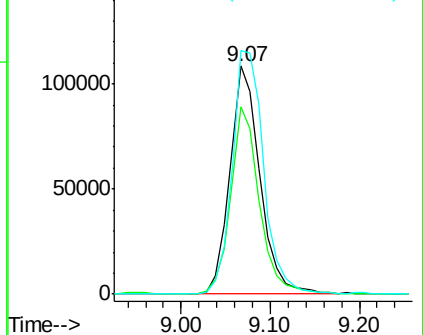
174 106.9 79.7 119.5

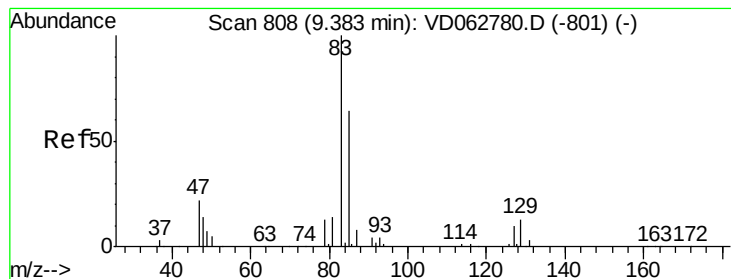


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 62.242 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

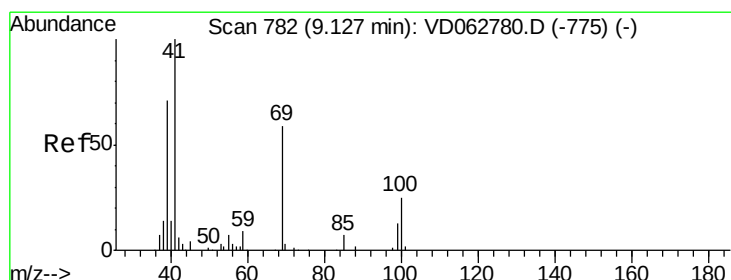
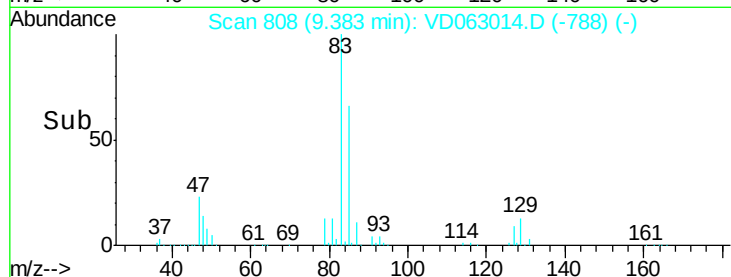
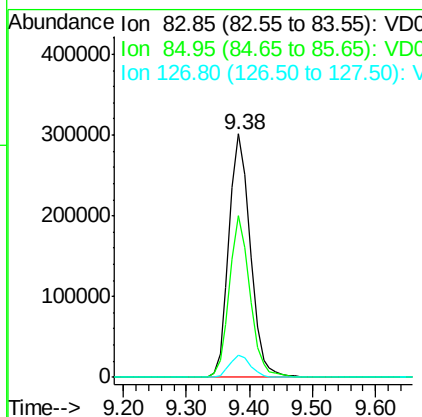
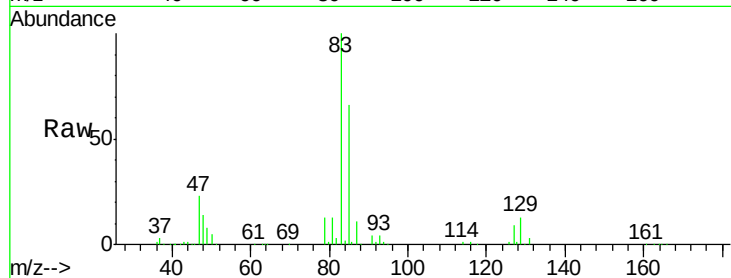
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	705076
Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.6	77.4
127	9.1	7.8	11.6

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#48

Methyl methacrylate

Concen: 58.791 ug/l

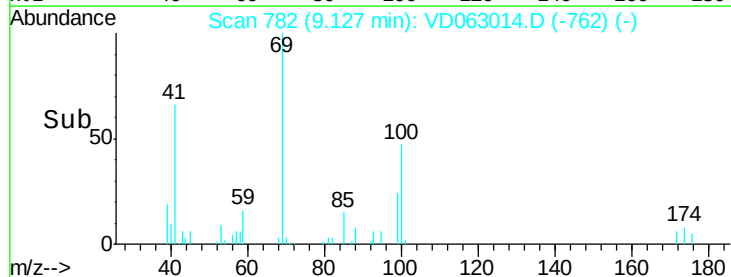
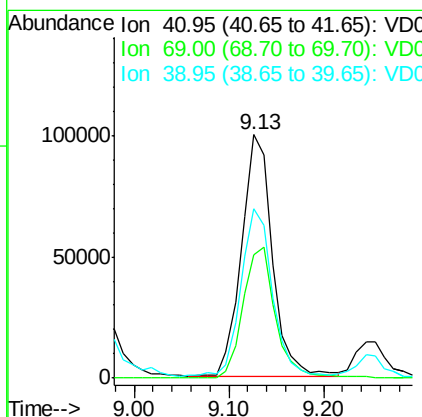
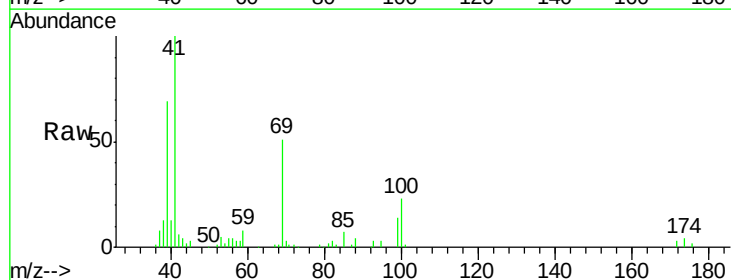
RT: 9.13 min Scan# 782

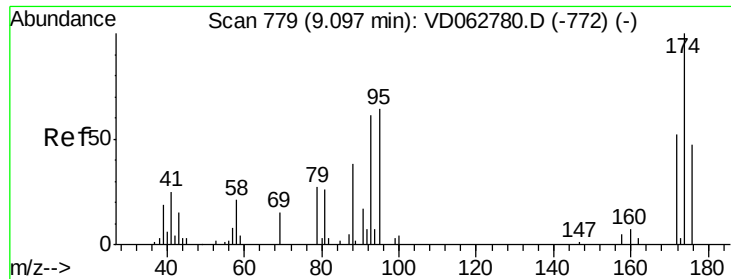
Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Tgt Ion:	41	Resp:	222823
Ion	Ratio	Lower	Upper
41	100		
69	50.7	47.2	70.8
39	69.5	57.4	86.2





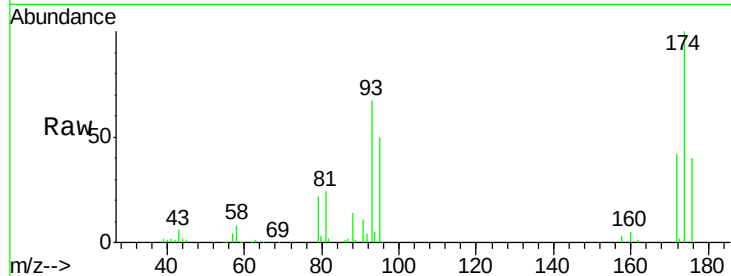
#49
1,4-Dioxane
Concen: 1241.085 ug/l
RT: 9.09 min Scan# 778
Delta R.T. -0.01 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

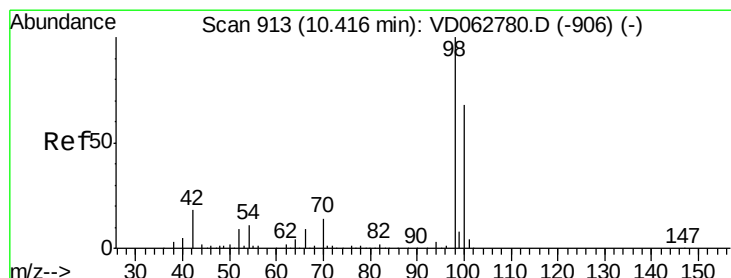
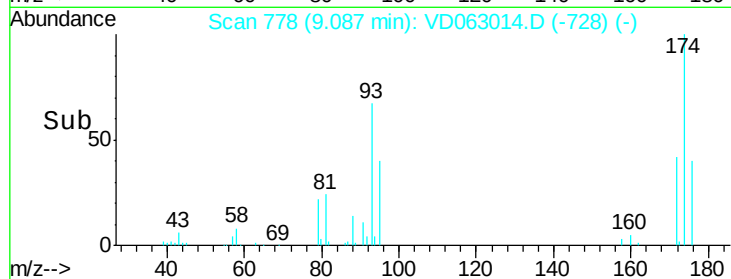
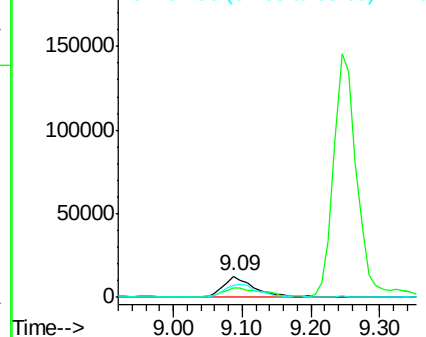
Tot Ion	88	Resp	39134
Ion	Ratio	Lower	Upper
88	100		
43	42.5	32.1	48.1
58	56.2	44.1	66.1

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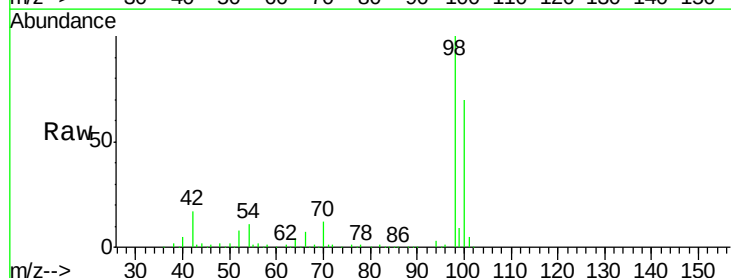


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

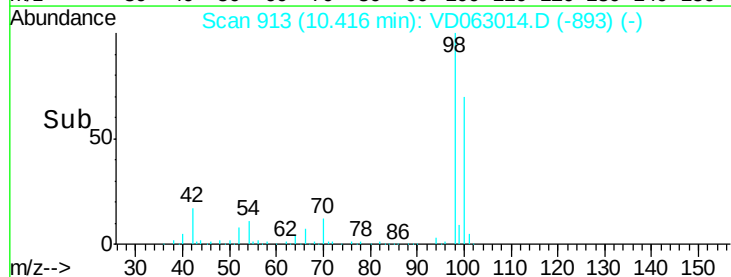
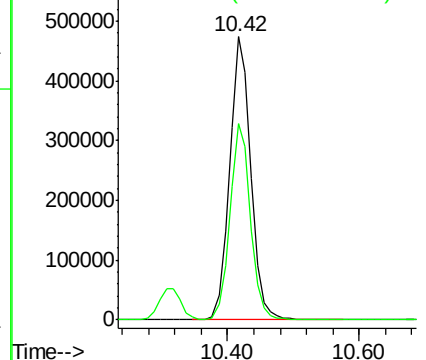


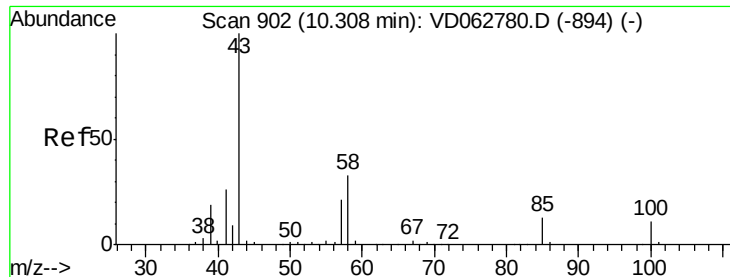
#50
Toluene-d8
Concen: 53.803 ug/l
RT: 10.42 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion	98	Resp	1061092
Ion	Ratio	Lower	Upper
98	100		
100	69.6	54.7	82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 304.454 ug/l

RT: 10.31 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1151246

Ion Ratio Lower Upper

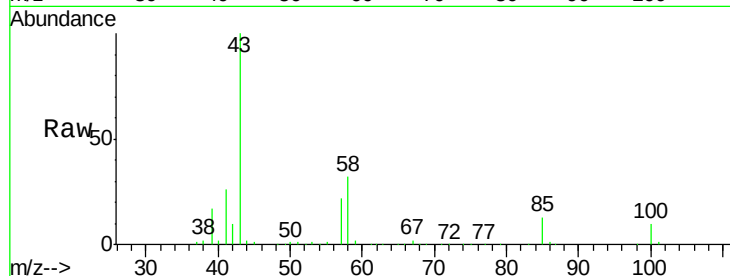
43 100

58 32.2 26.6 40.0

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

500000

400000

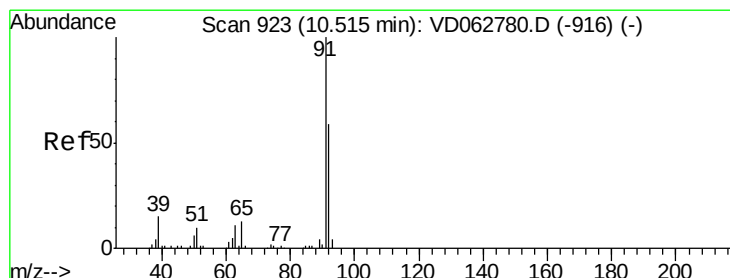
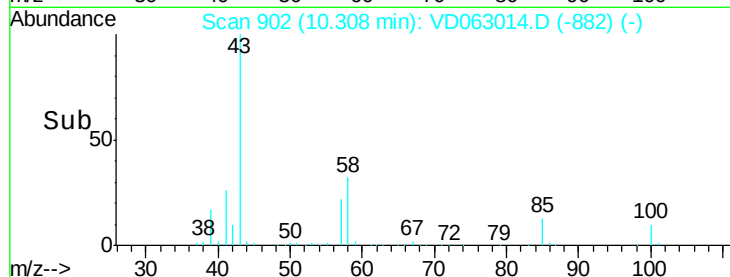
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 57.432 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD063014.D

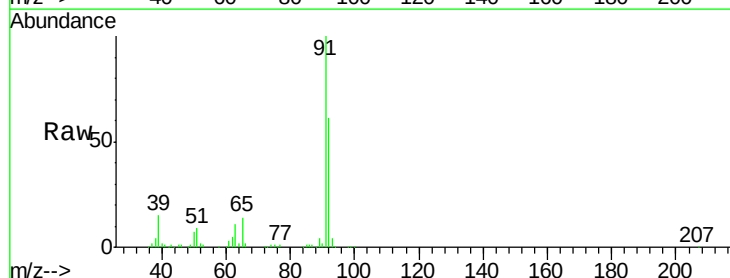
Acq: 2 Jul 2019 20:39

Tgt Ion: 92 Resp: 788346

Ion Ratio Lower Upper

92 100

91 163.5 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

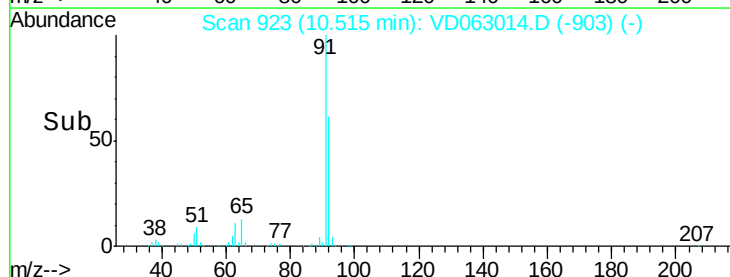
600000

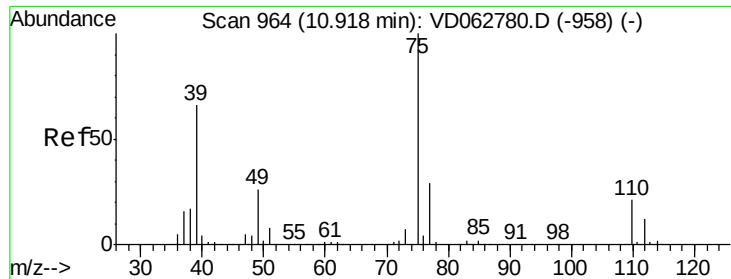
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 59.941 ug/l

RT: 10.92 min Scan# 964

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 555759

Ion Ratio Lower Upper

75 100

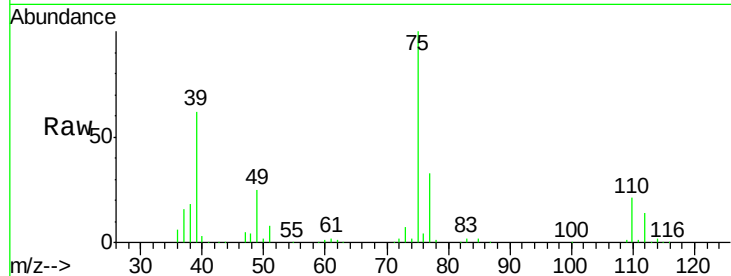
77 32.8 23.2 34.8

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.92

300000

250000

200000

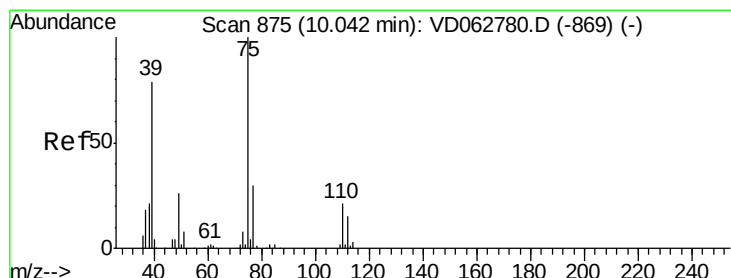
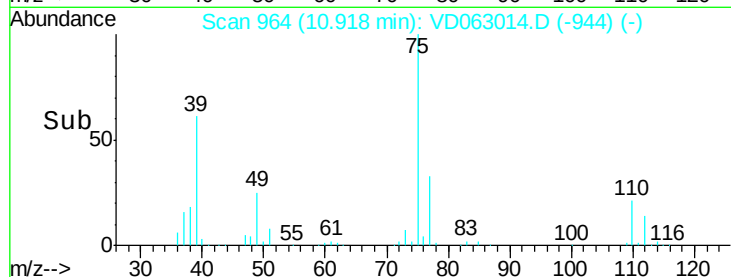
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 60.119 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

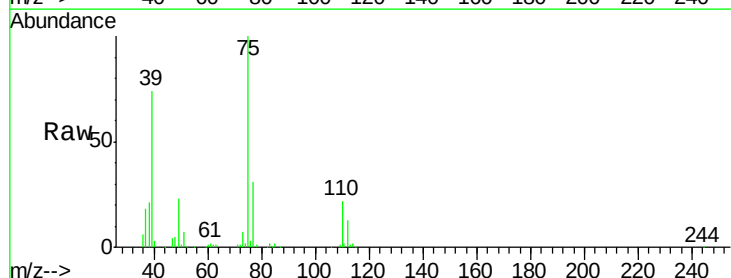
Tgt Ion: 75 Resp: 605858

Ion Ratio Lower Upper

75 100

77 31.0 24.2 36.2

39 74.2 63.5 95.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.04

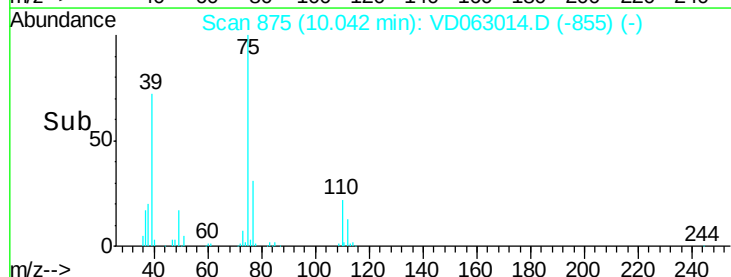
300000

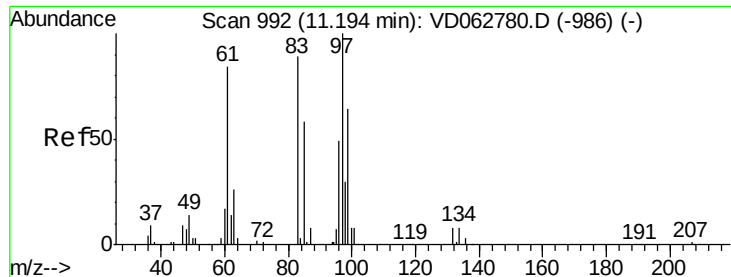
200000

100000

0

Time-->





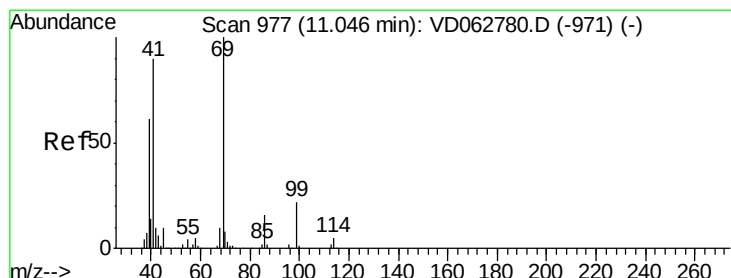
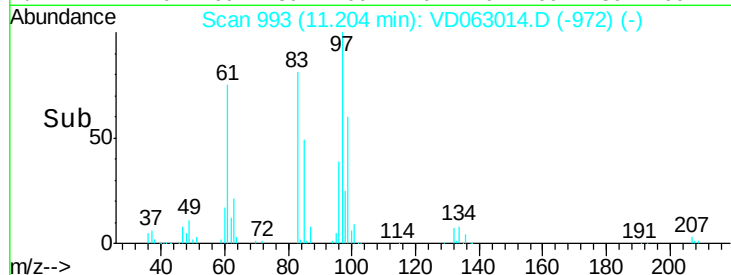
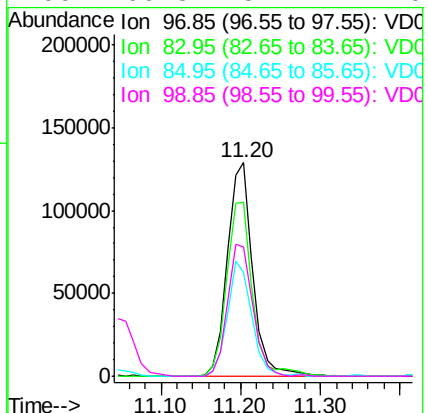
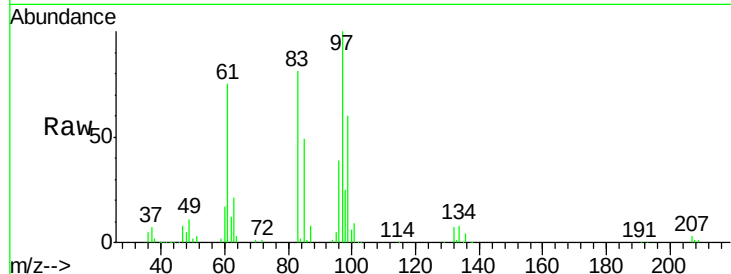
#55
 1,1,2-Trichloroethane
 Concen: 61.085 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		288076		
83	81.3	71.0	106.4		
85	48.7	46.6	69.8		
99	60.3	51.4	77.0		

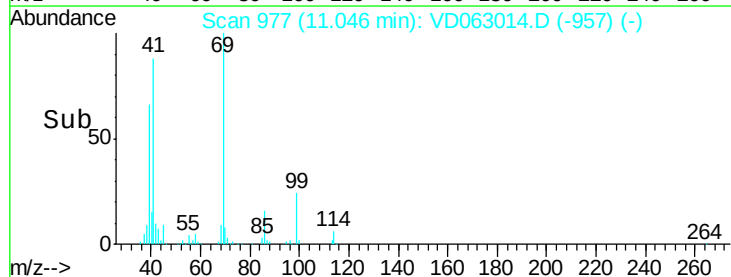
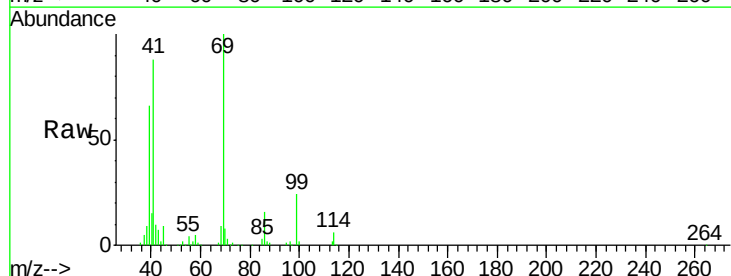
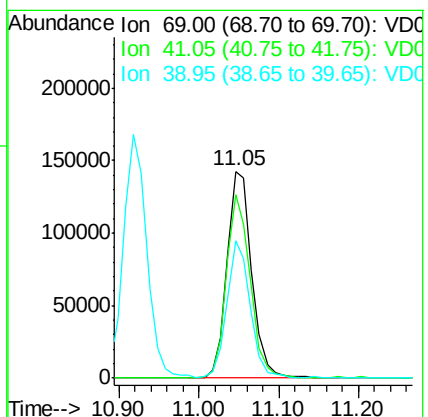
Manual Integrations
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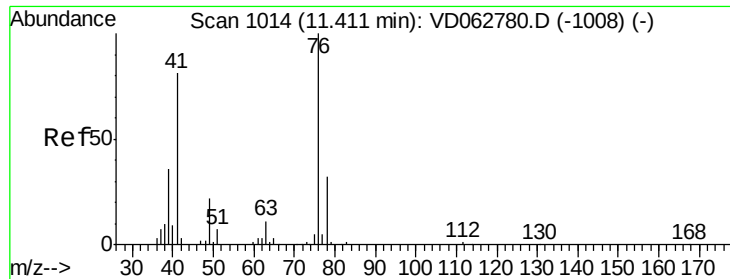
MMDadoda
 7/3/2019 9:36:46 AM



#56
 Ethyl methacrylate
 Concen: 62.025 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		312599		
41	88.4	72.0	108.0		
39	66.2	49.5	74.3		





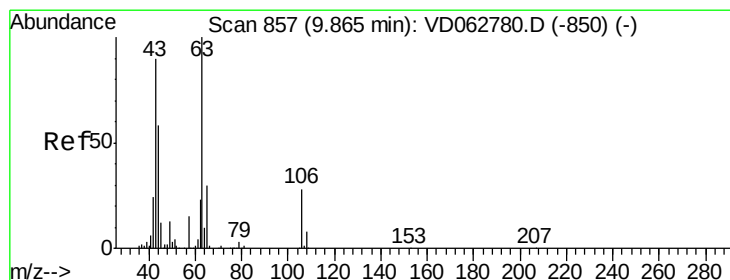
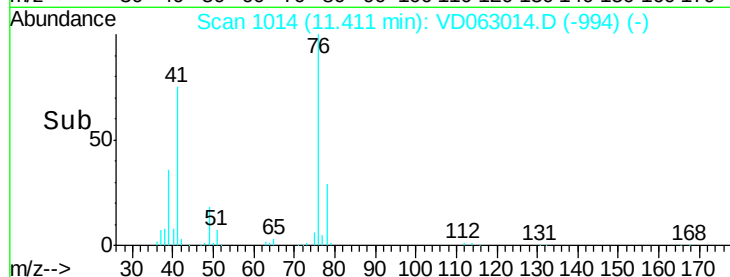
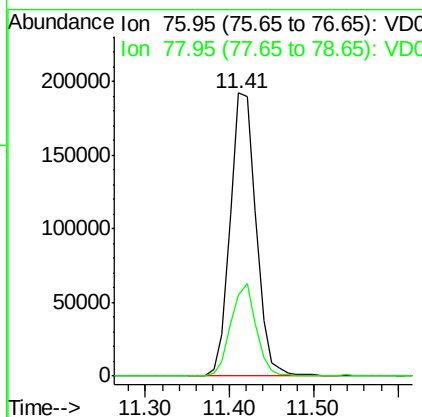
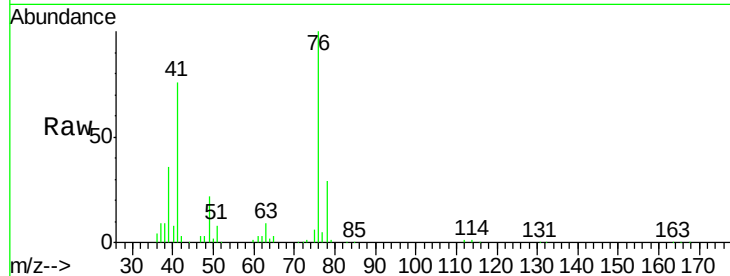
#57
 1,3-Dichloropropane
 Concen: 57.024 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 411764
 Ion Ratio Lower Upper
 76 100
 78 28.9 25.4 38.0

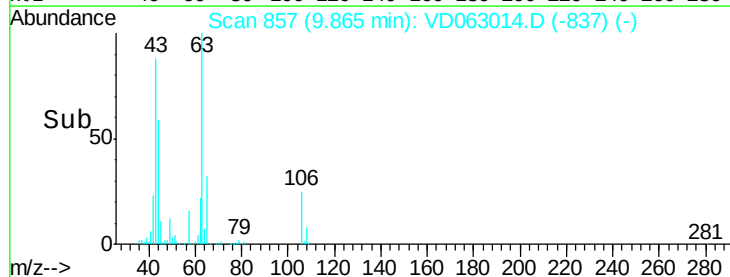
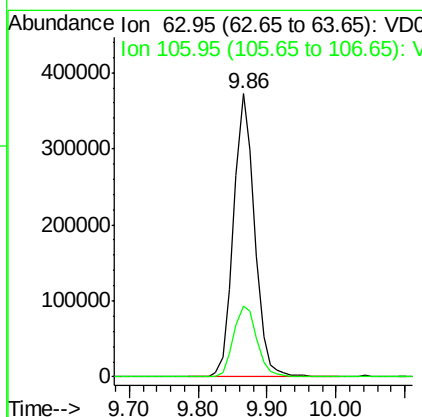
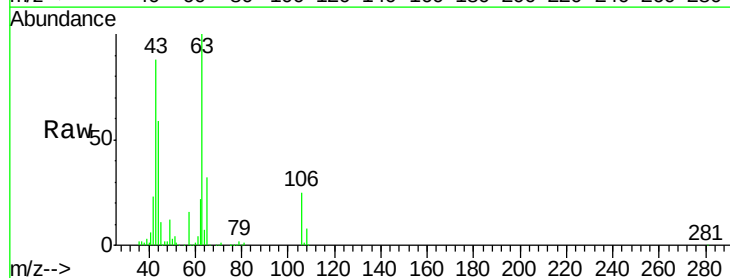
Manual Integrations
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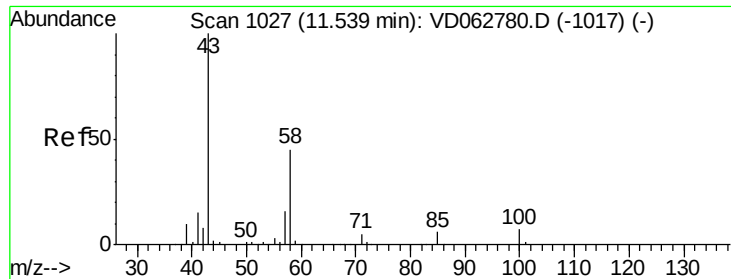
MMDadoda
 7/3/2019 9:36:46 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 304.917 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Tgt Ion: 63 Resp: 788944
 Ion Ratio Lower Upper
 63 100
 106 25.2 22.1 33.1





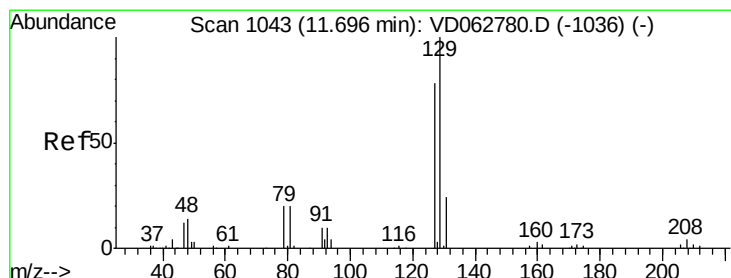
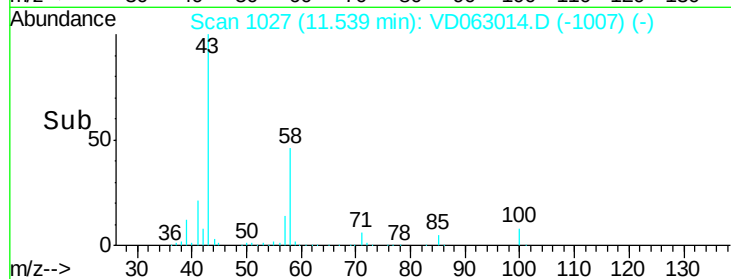
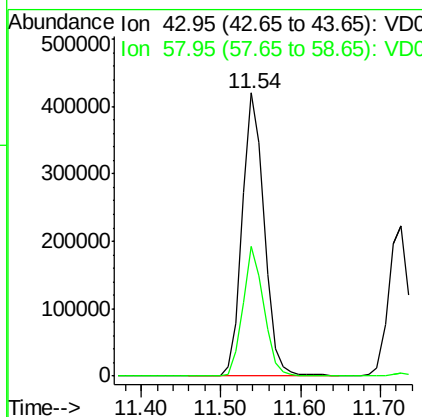
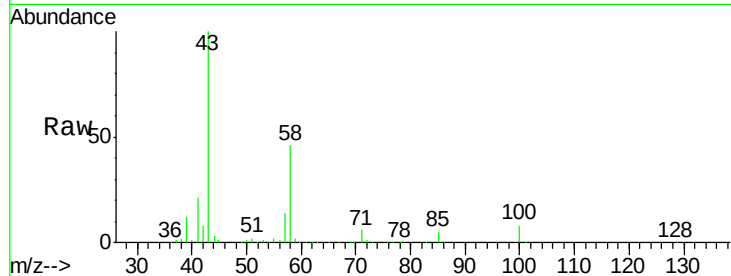
#59
2-Hexanone
Concen: 298.189 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 803033
Ion Ratio Lower Upper
43 100
58 46.1 22.4 67.2

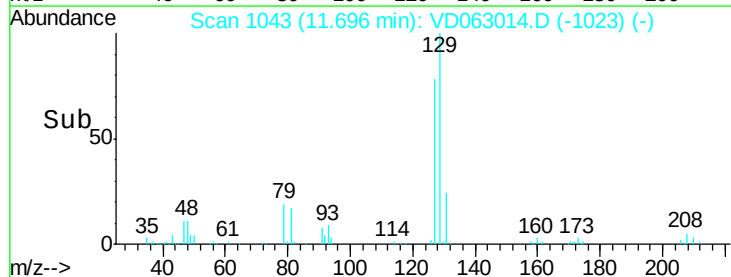
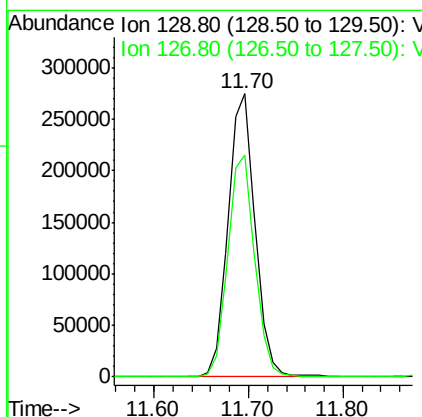
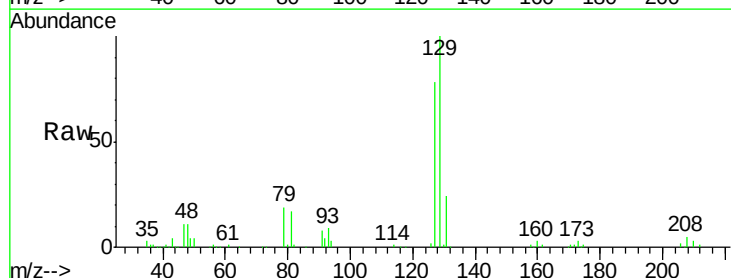
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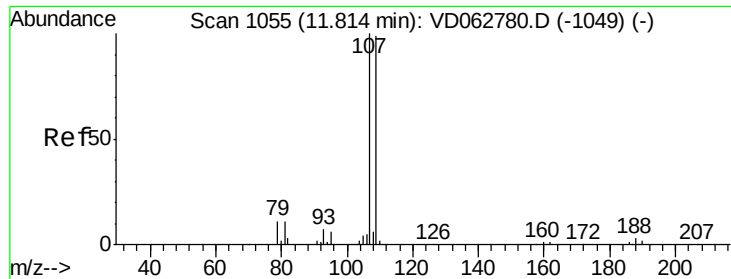
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#60
Dibromochloromethane
Concen: 61.643 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion: 129 Resp: 541483
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.6





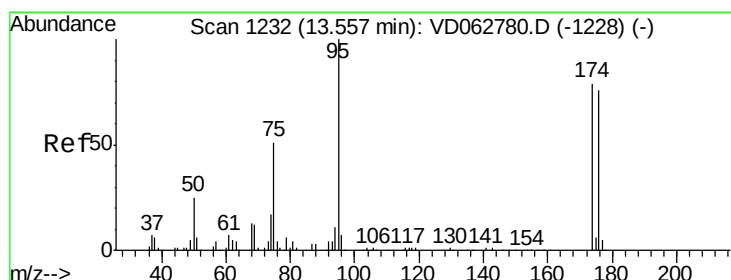
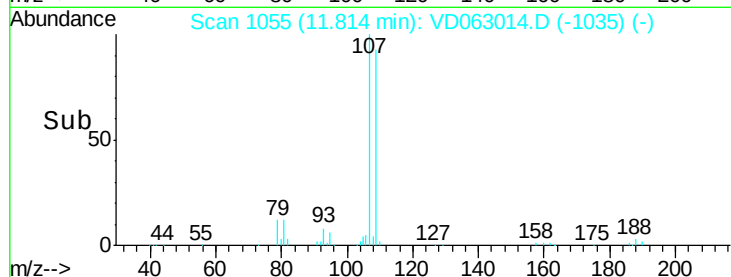
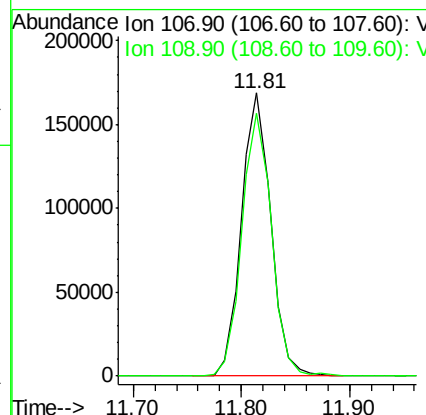
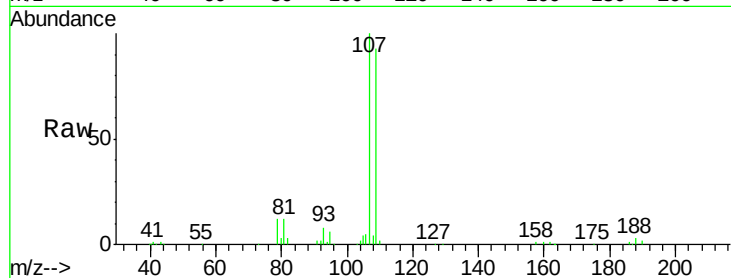
#61
 1,2-Dibromoethane
 Concen: 56.970 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	79.3	118.9

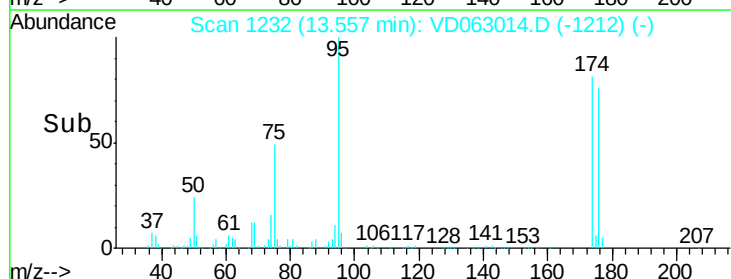
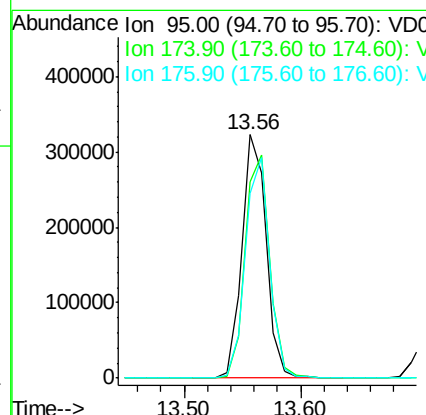
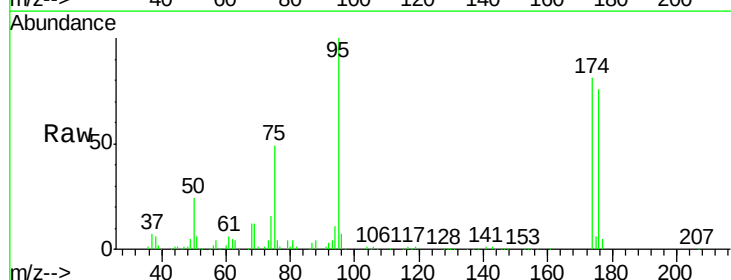
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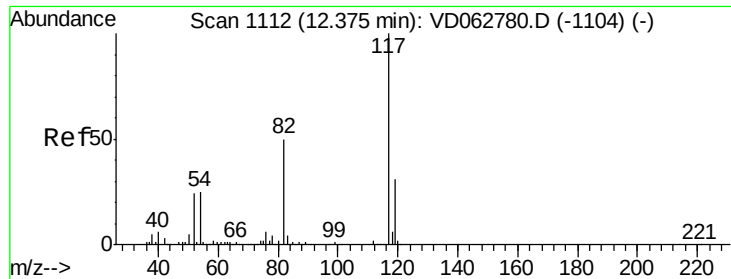
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#62
 4-Bromofluorobenzene
 Concen: 51.765 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.6	0.0	158.0
176	76.1	0.0	151.6





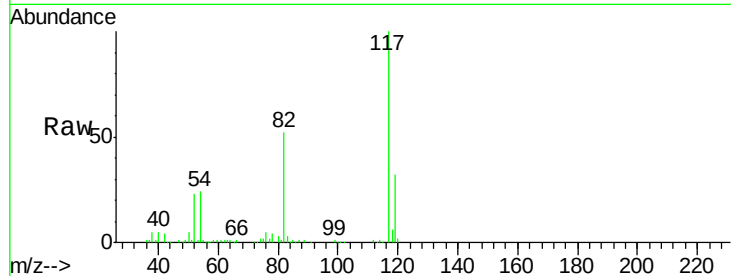
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	965864		
82	52.5		40.4	60.6
119	32.4		25.2	37.8

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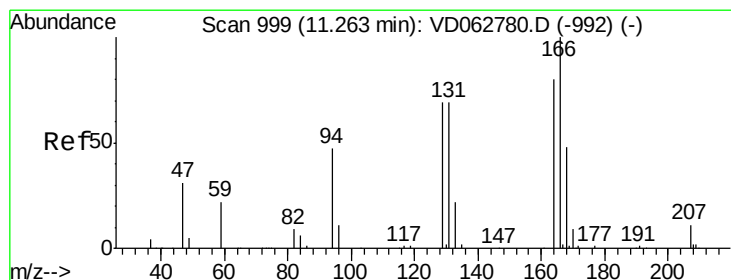
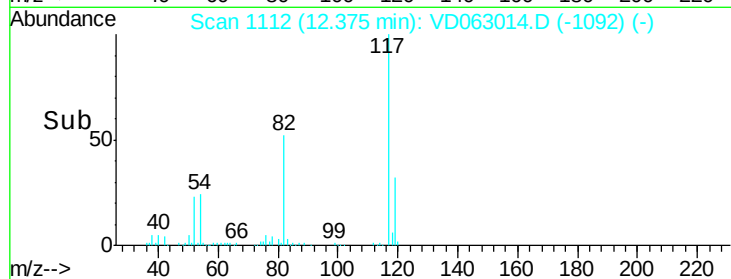
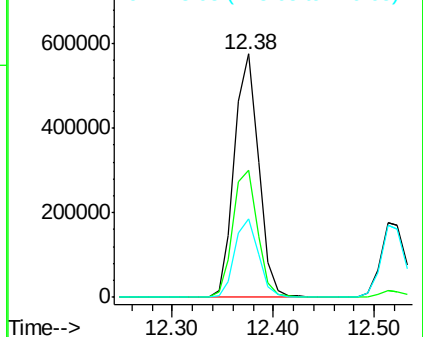


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 57.641 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	458204		
166	126.4		100.6	150.8
129	88.3		69.4	104.0
131	86.7		69.3	103.9

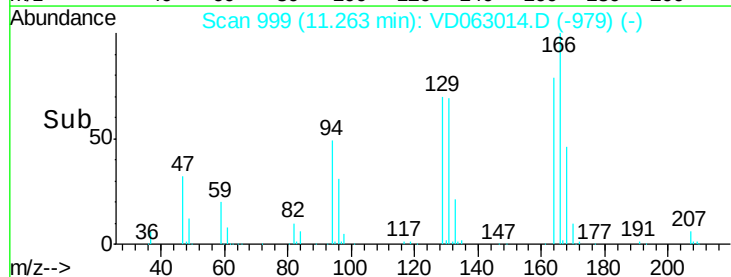
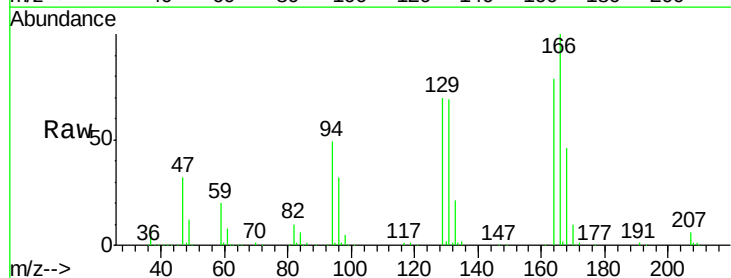
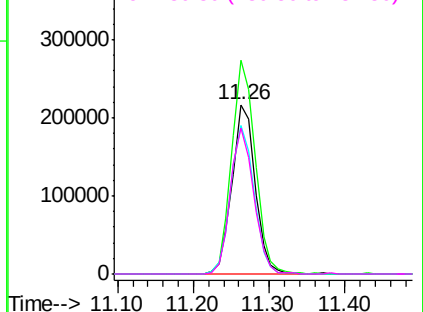
Abundance

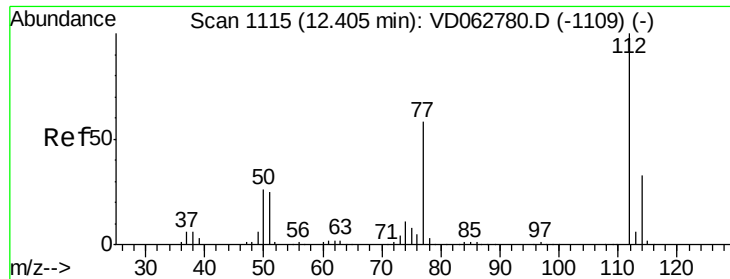
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





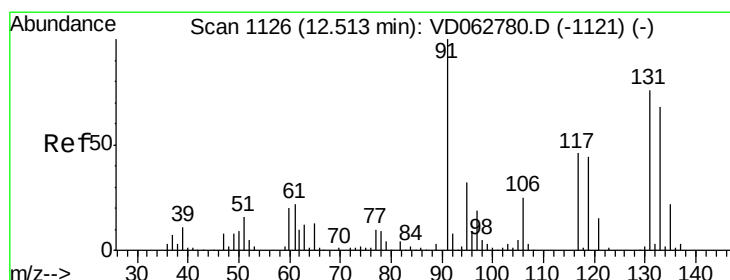
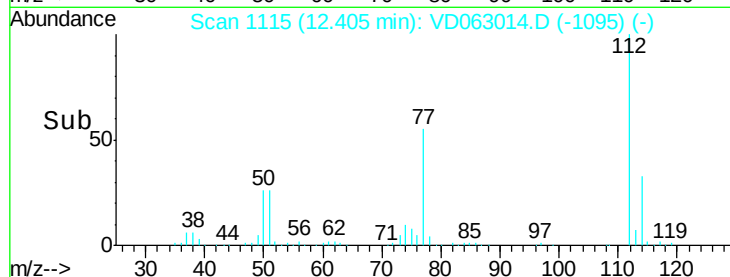
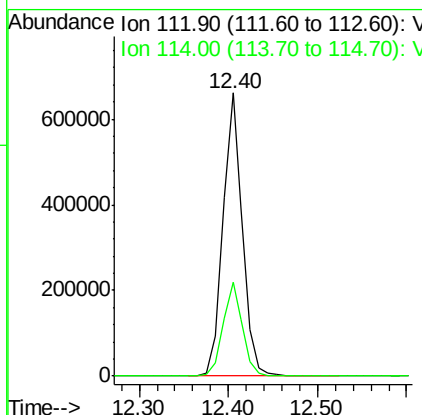
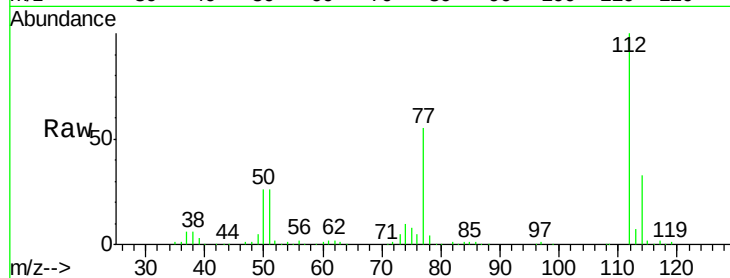
#65
Chlorobenzene
Concen: 56.597 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1014527
Ion Ratio Lower Upper
112 100
114 33.0 26.3 39.5

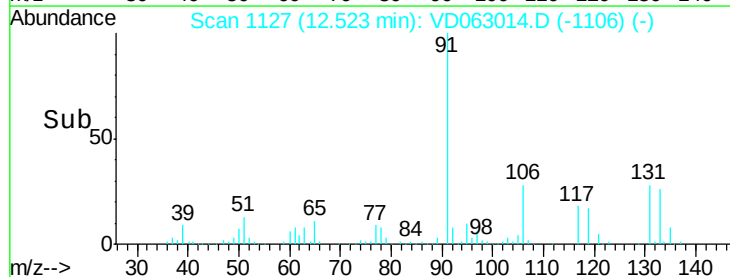
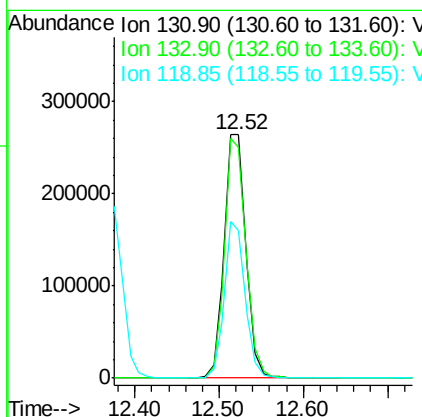
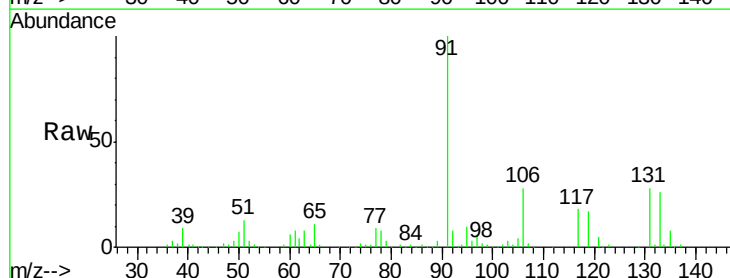
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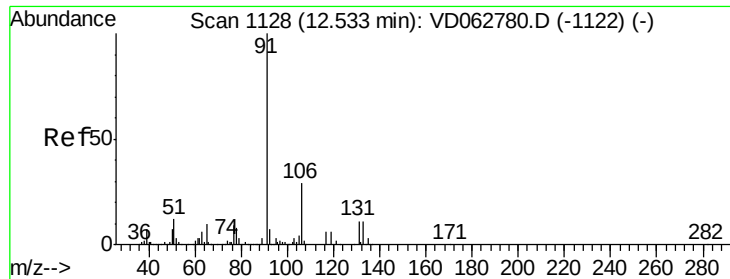
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.577 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion:131 Resp: 474283
Ion Ratio Lower Upper
131 100
133 94.9 44.5 133.3
119 60.6 28.6 85.9





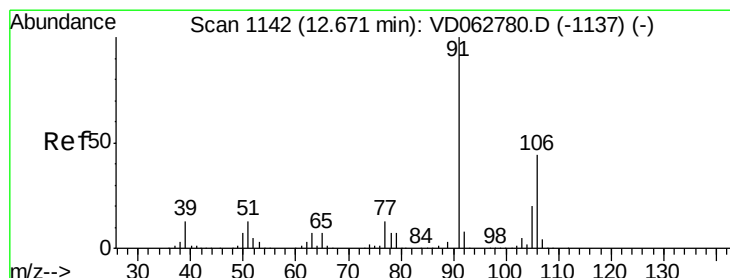
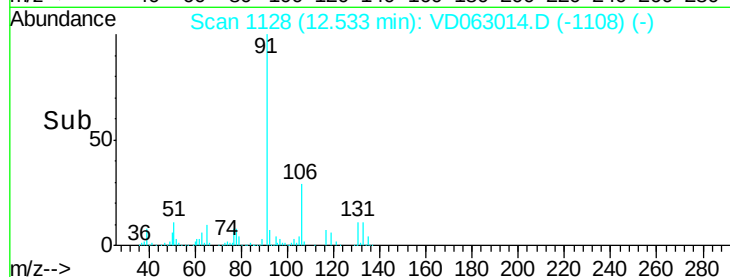
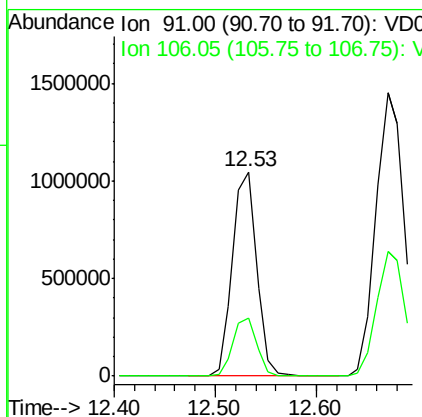
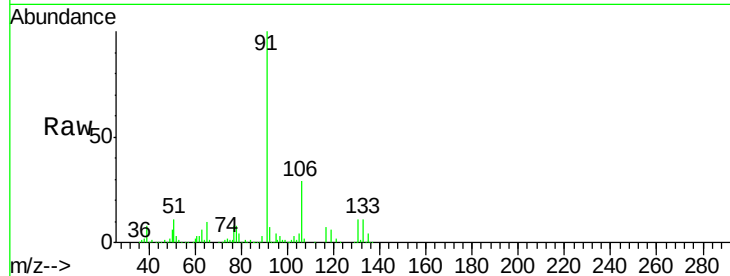
#67
Ethyl Benzene
Concen: 54.350 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1749137
Ion Ratio Lower Upper
91 100
106 28.7 23.1 34.7

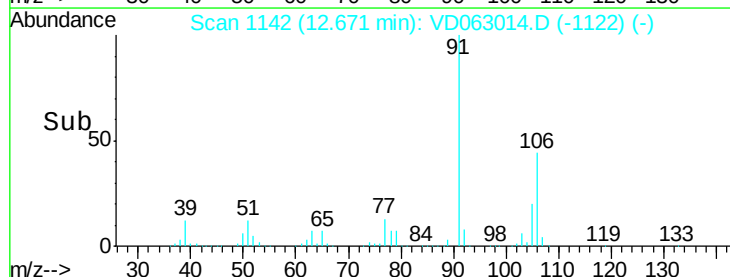
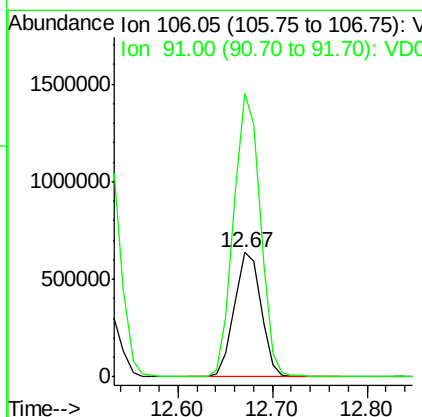
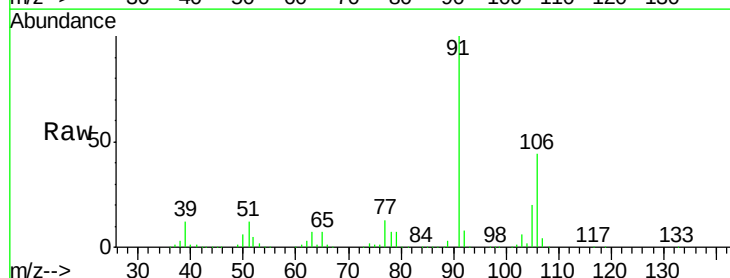
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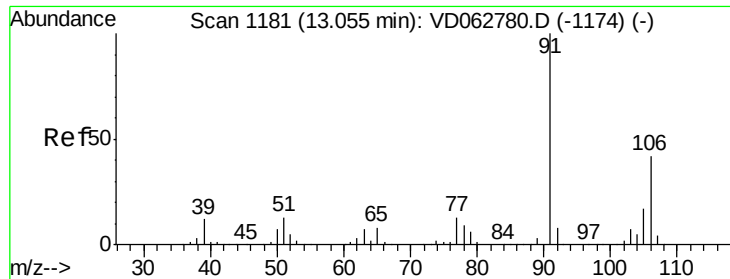
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#68
m/p-Xylenes
Concen: 112.058 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion: 106 Resp: 1256062
Ion Ratio Lower Upper
106 100
91 227.6 183.0 274.6





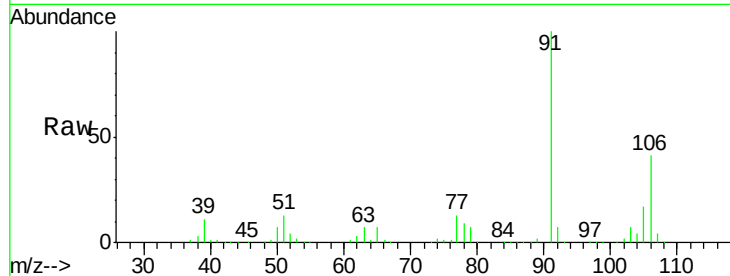
#69
o-Xylene
Concen: 57.735 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

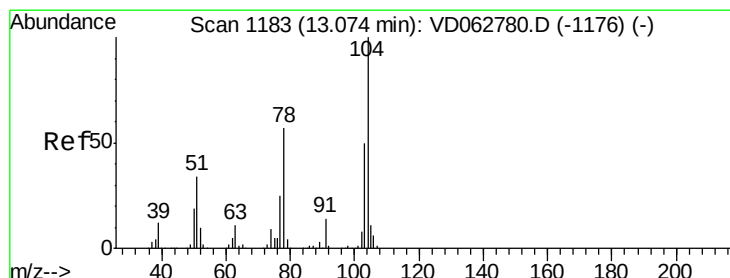
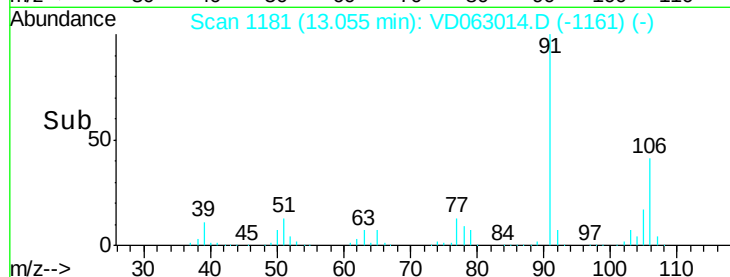
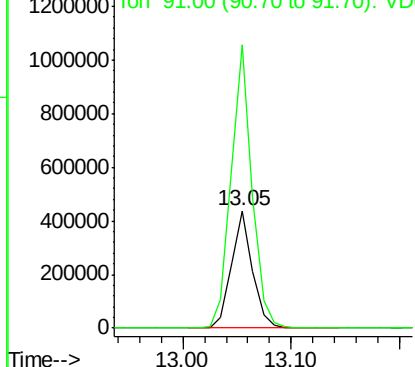
Tot Ion:106 Resp: 591593
Ion Ratio Lower Upper
106 100
91 241.4 117.9 353.6

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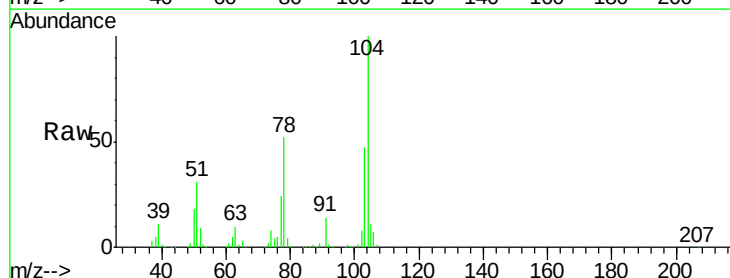


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

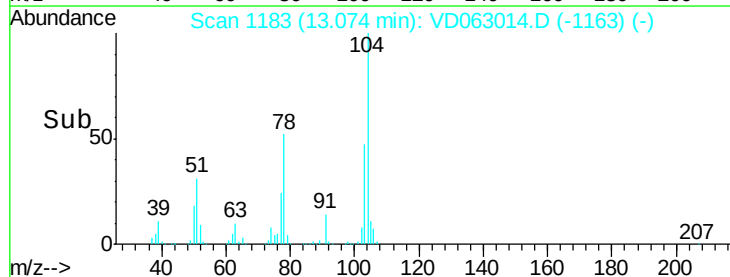
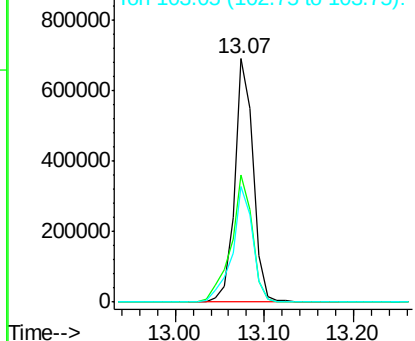


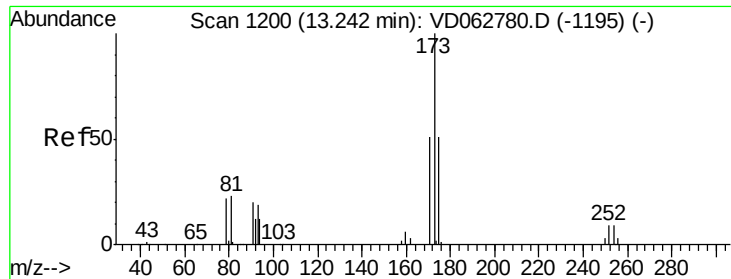
#70
Styrene
Concen: 55.916 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion:104 Resp: 1006378
Ion Ratio Lower Upper
104 100
78 52.5 45.4 68.2
103 47.5 39.7 59.5



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 60.378 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 346783

Ion Ratio Lower Upper

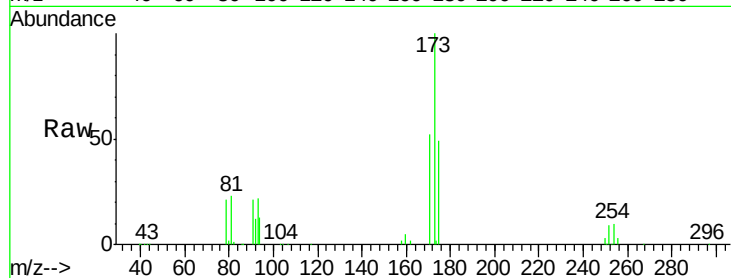
173 100

175 48.7 25.3 75.9

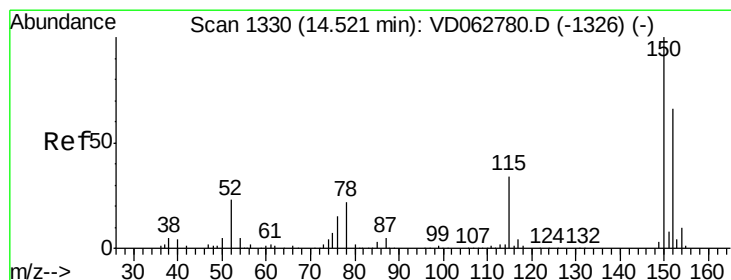
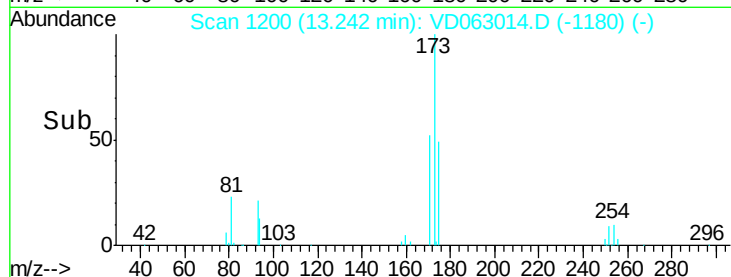
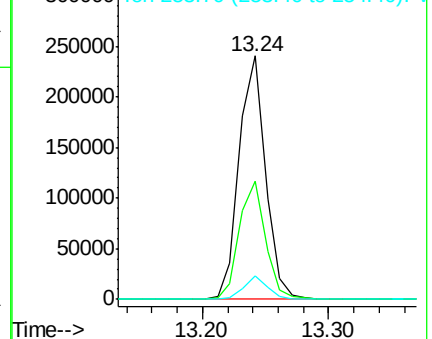
254 9.6 7.1 10.7

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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

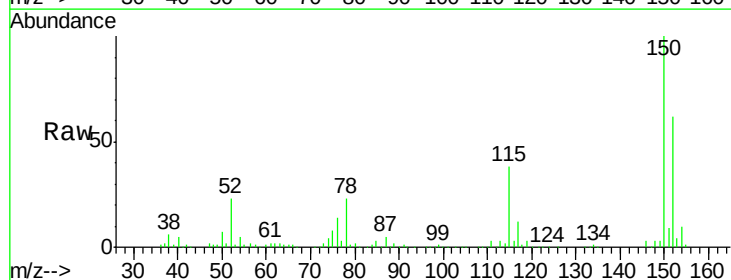
Tgt Ion:152 Resp: 517958

Ion Ratio Lower Upper

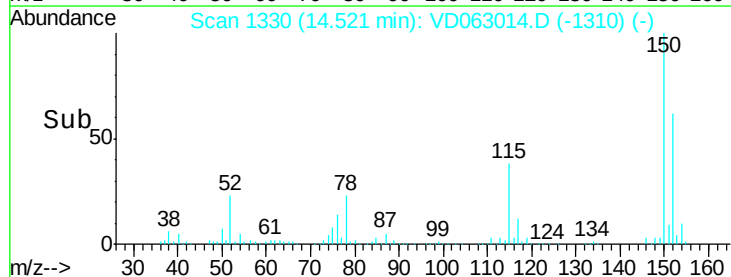
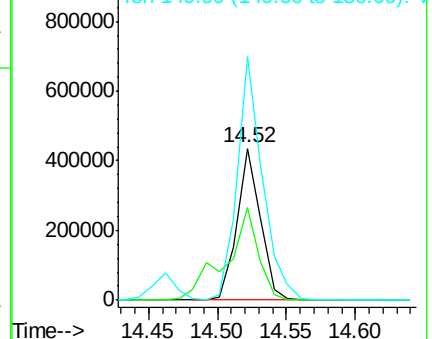
152 100

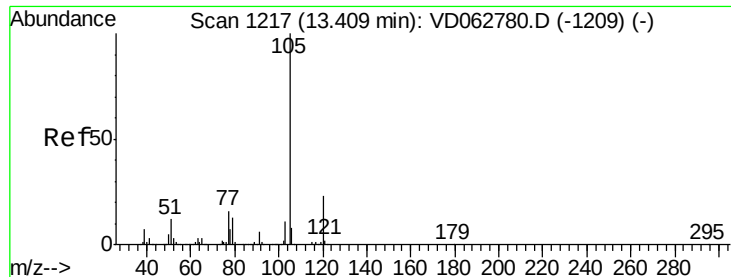
115 61.1 29.2 87.6

150 160.3 0.0 305.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.572 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1845573

Ion Ratio Lower Upper

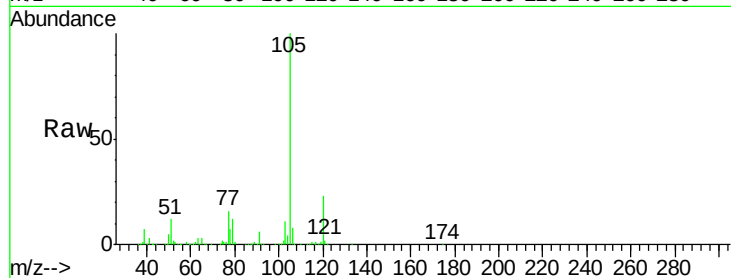
105 100

120 23.3 11.6 34.7

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

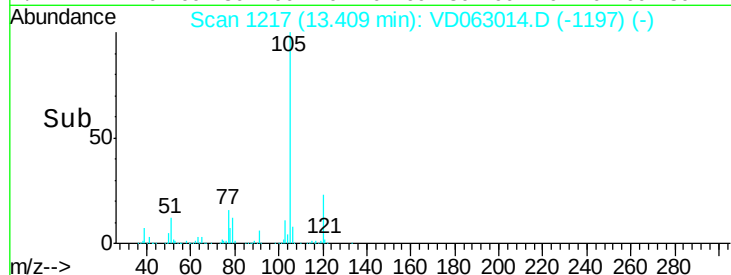
1500000

1000000

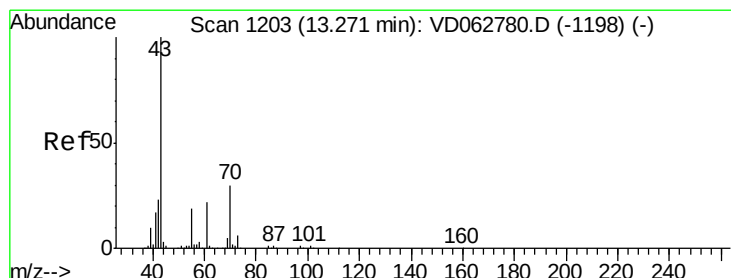
500000

0

13.30 13.40 13.50



Time-->



#74

N-ethyl acetate

Concen: 59.283 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Tgt Ion: 43 Resp: 478124

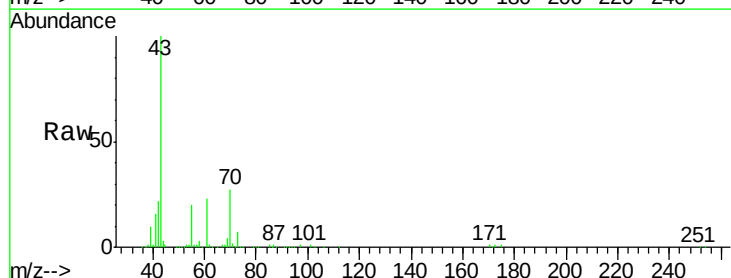
Ion Ratio Lower Upper

43 100

70 27.4 24.4 36.6

55 19.6 15.2 22.8

61 23.0 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

500000

400000

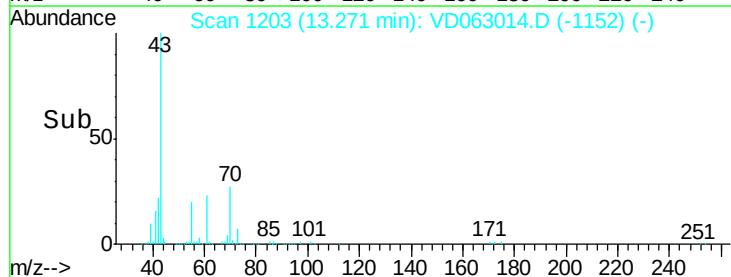
300000

200000

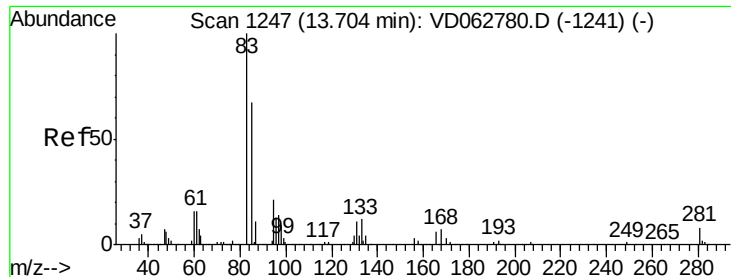
100000

0

13.20 13.30 13.40



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 59.244 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 320574
Ion Ratio Lower Upper

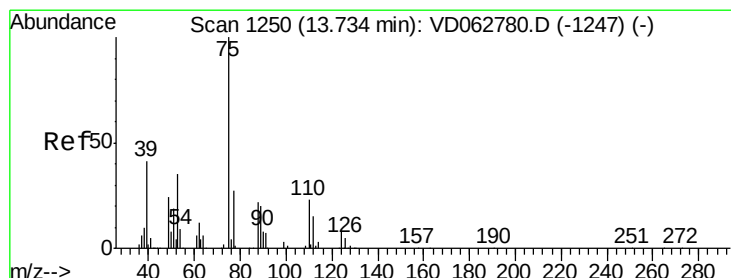
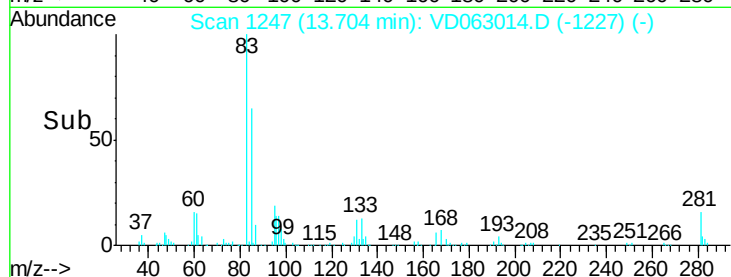
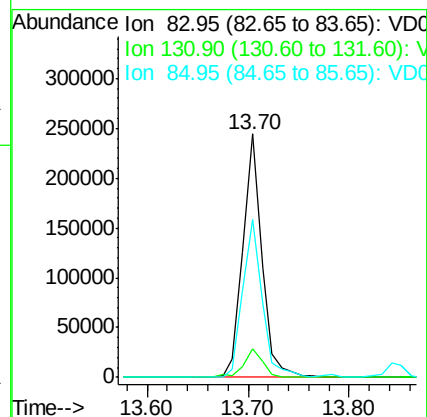
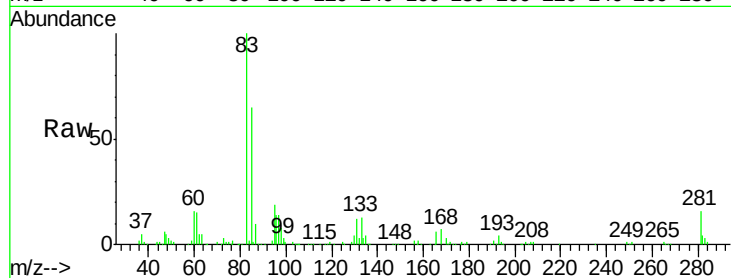
83 100

131 11.8 5.3 16.1

85 65.1 33.7 101.1

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#76

1,2,3-Trichloropropane

Concen: 61.727 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

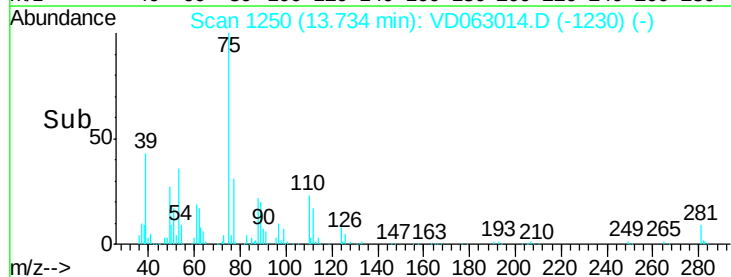
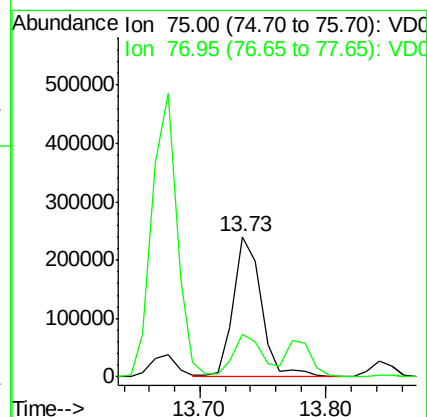
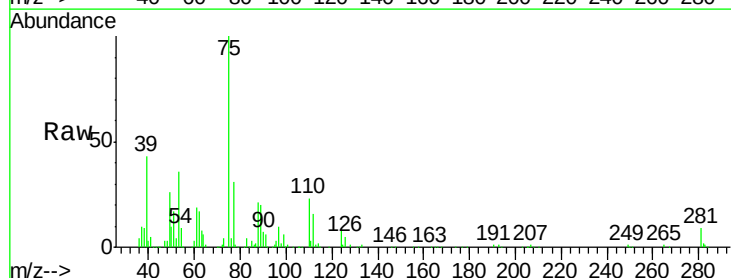
Lab File: VD063014.D

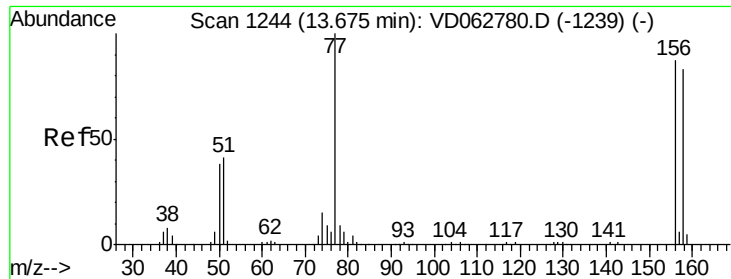
Acq: 2 Jul 2019 20:39

Tgt Ion: 75 Resp: 369094
Ion Ratio Lower Upper

75 100

77 30.7 15.0 45.1





#77

Bromobenzene

Concen: 60.175 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

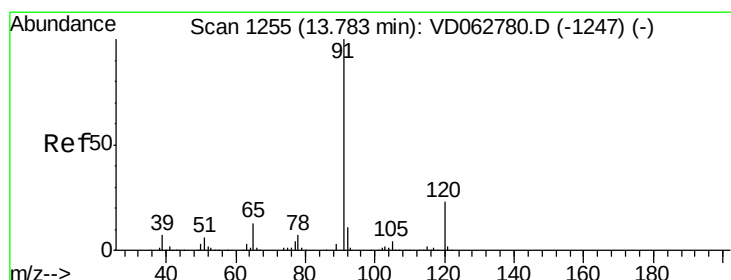
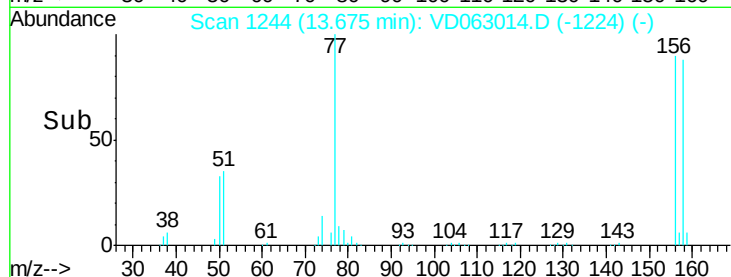
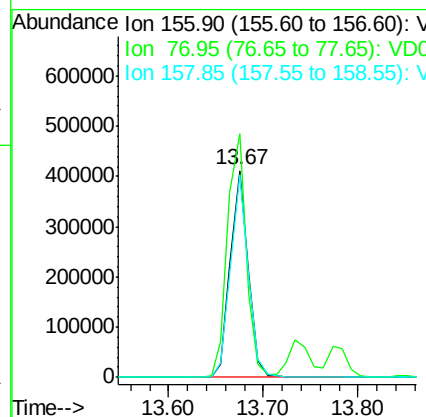
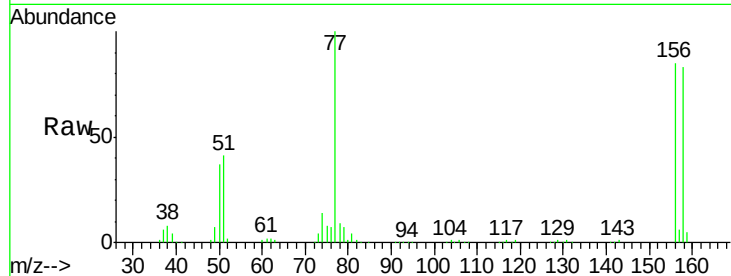
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	537527
Ion Ratio	Lower	Upper	
156	100		
77	117.9	57.7	173.1
158	98.3	47.7	143.1

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#78

n-propylbenzene

Concen: 58.256 ug/l

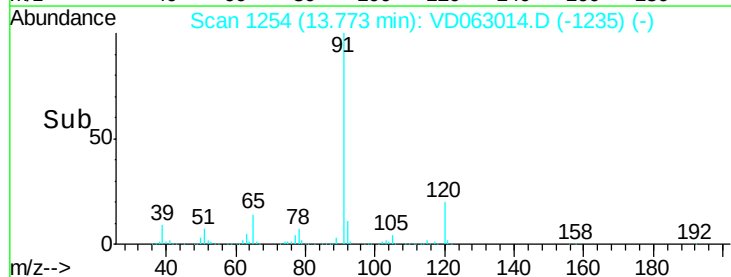
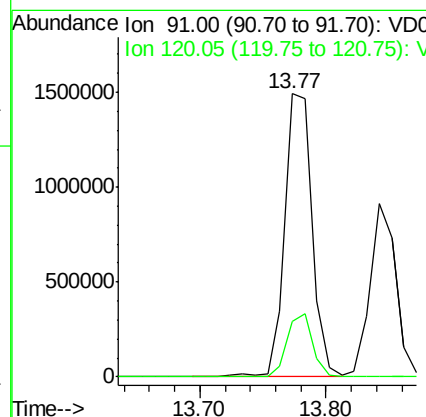
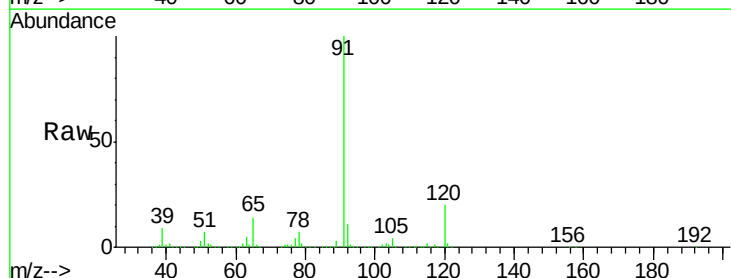
RT: 13.77 min Scan# 1254

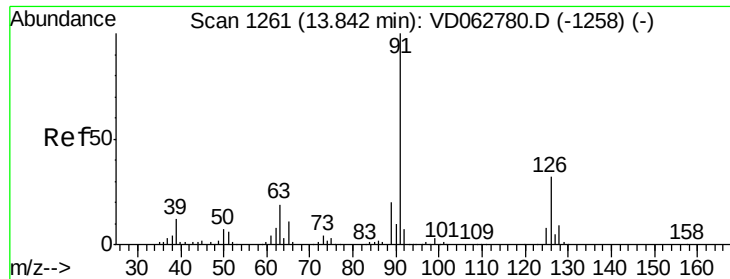
Delta R.T. -0.01 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Tgt Ion:	91	Resp:	2251828
Ion Ratio	Lower	Upper	
91	100		
120	19.7	11.3	33.8





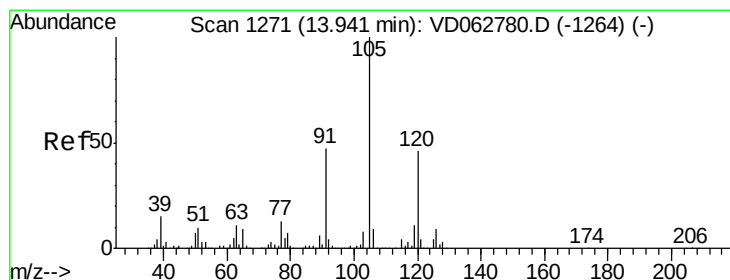
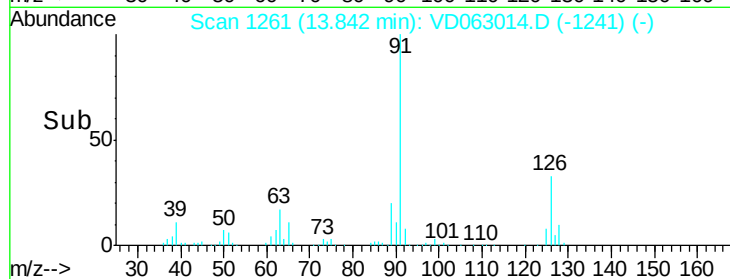
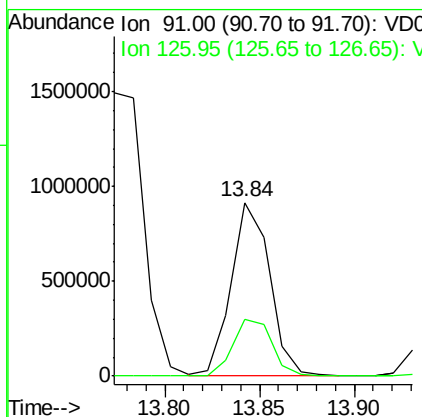
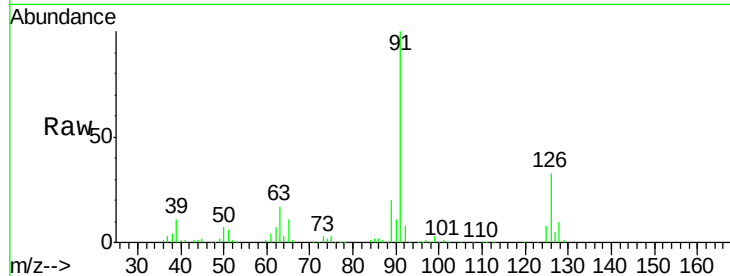
#79
 2-Chlorotoluene
 Concen: 57.965 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 1280448
 Ion Ratio Lower Upper
 91 100
 126 32.8 15.7 47.1

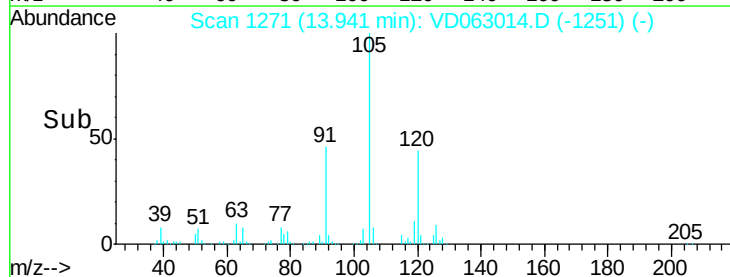
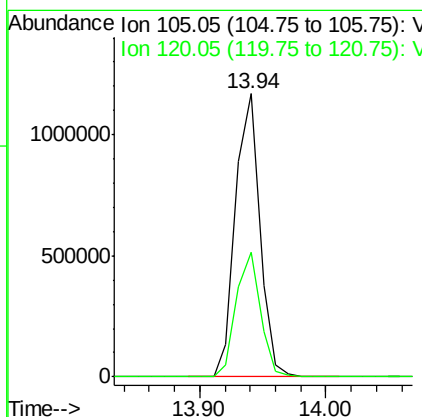
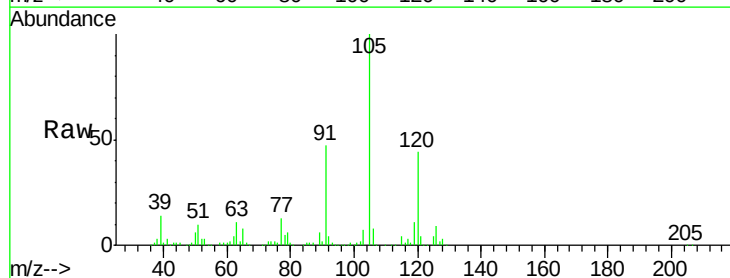
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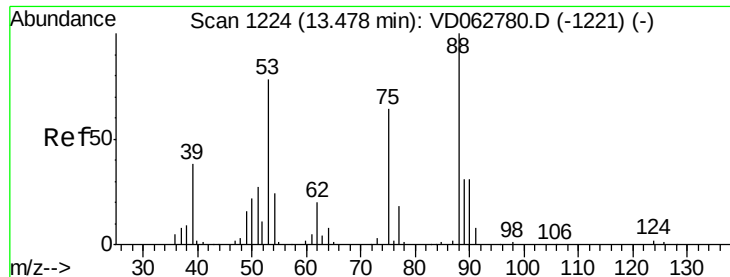
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#80
 1,3,5-Trimethylbenzene
 Concen: 55.858 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Tgt Ion: 105 Resp: 1558194
 Ion Ratio Lower Upper
 105 100
 120 44.2 23.1 69.2





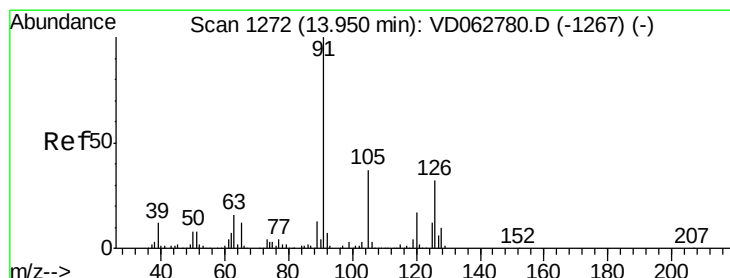
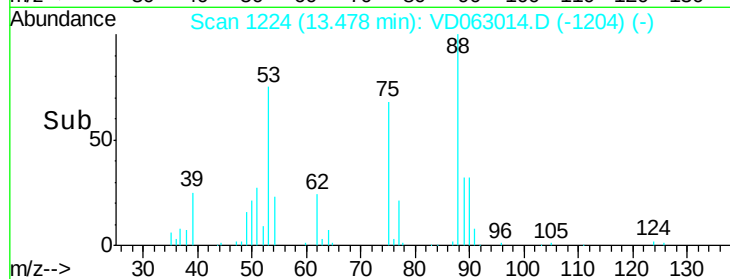
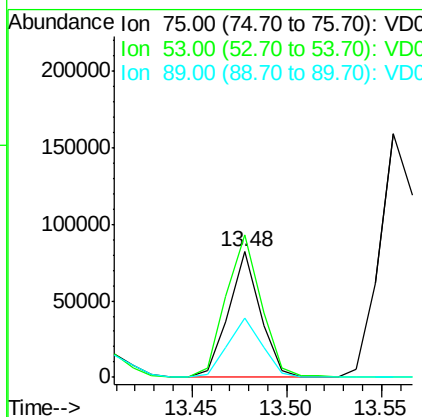
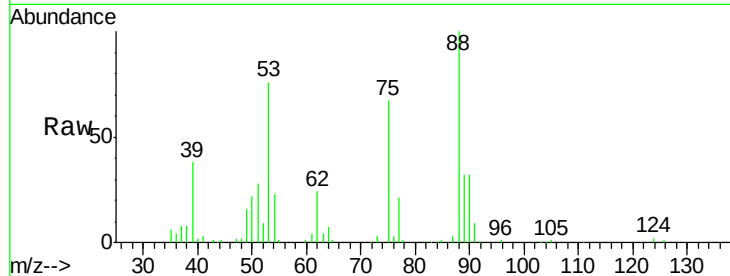
#81
trans-1,4-Dichloro-2-butene
Concen: 60.968 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.5	97.8	146.8
89	46.8	39.4	59.2

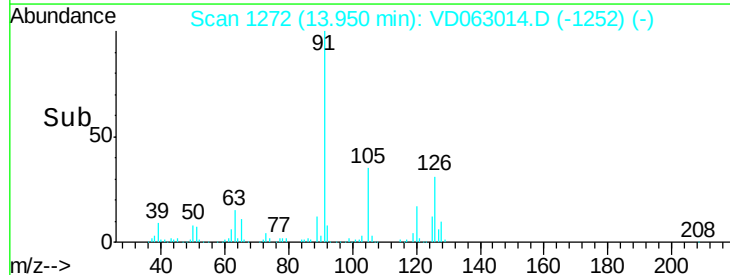
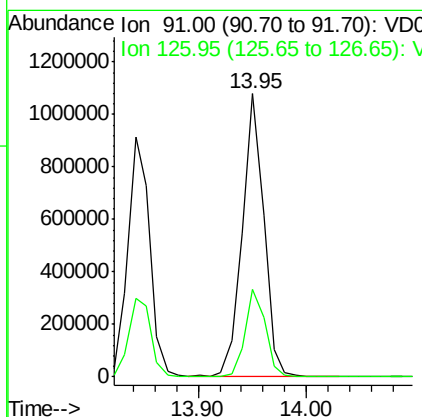
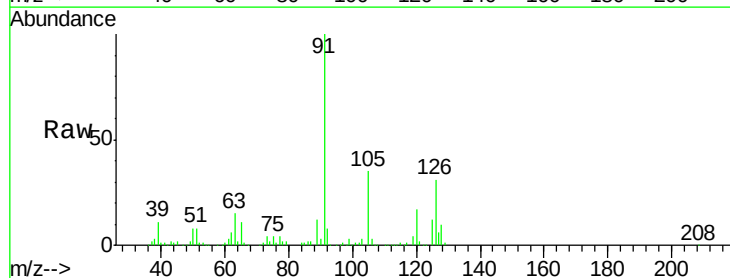
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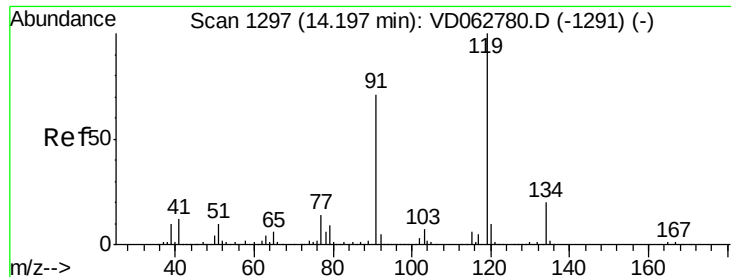
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#82
4-Chlorotoluene
Concen: 55.813 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	16.0	47.9





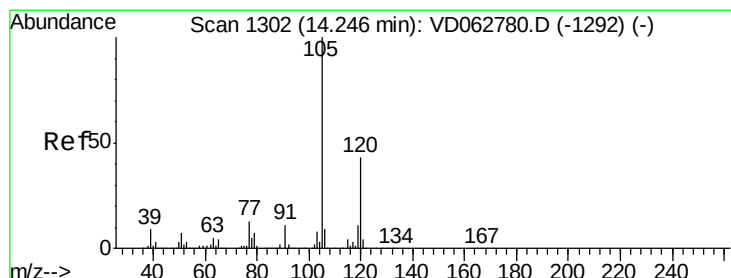
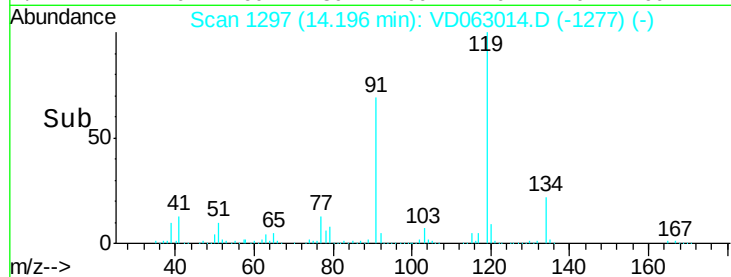
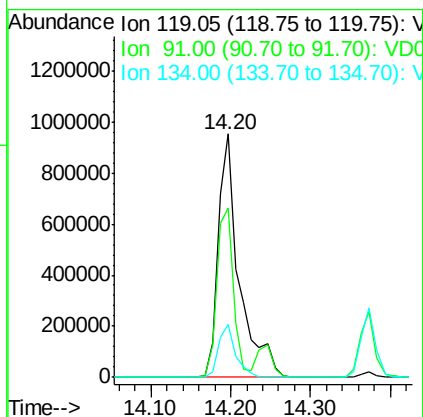
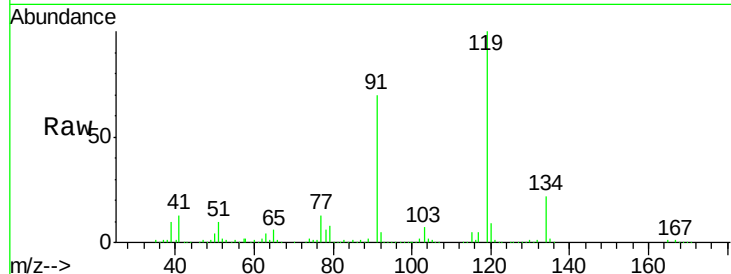
#83
tert-Butylbenzene
Concen: 56.451 ug/l
RT: 14.20 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 1755264
Ion Ratio Lower Upper
119 100
91 69.7 35.5 106.5
134 21.6 10.2 30.6

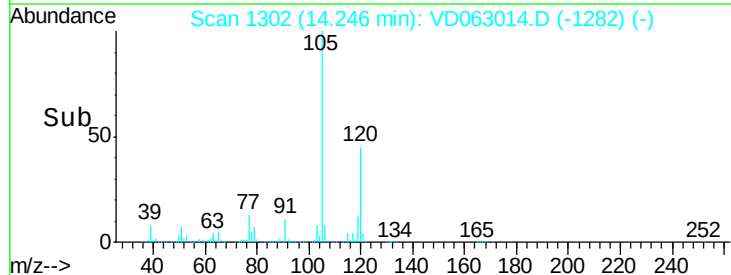
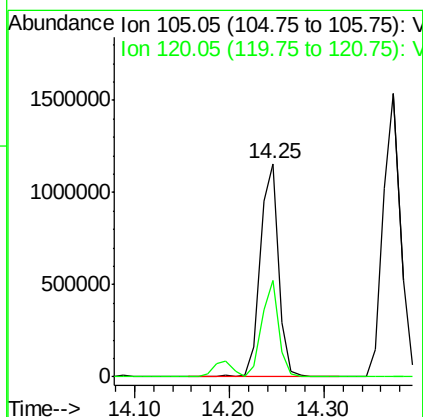
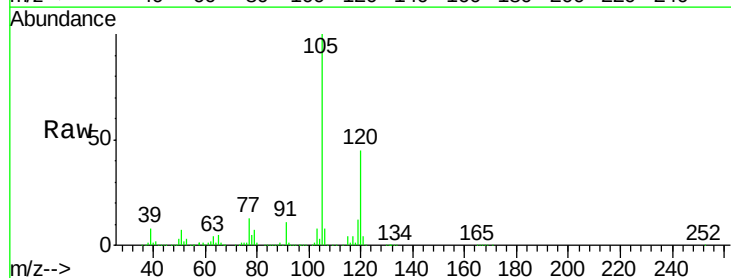
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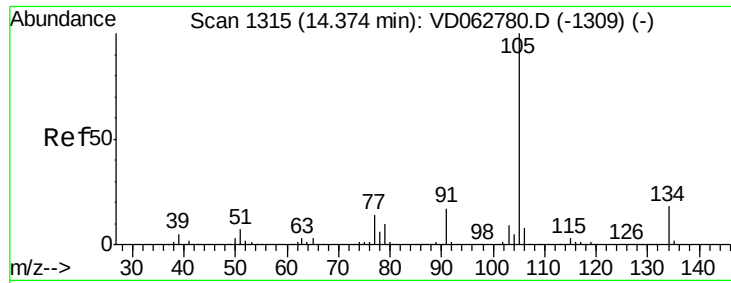
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#84
1,2,4-Trimethylbenzene
Concen: 54.598 ug/l
RT: 14.25 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion:105 Resp: 1561041
Ion Ratio Lower Upper
105 100
120 44.9 21.3 63.9





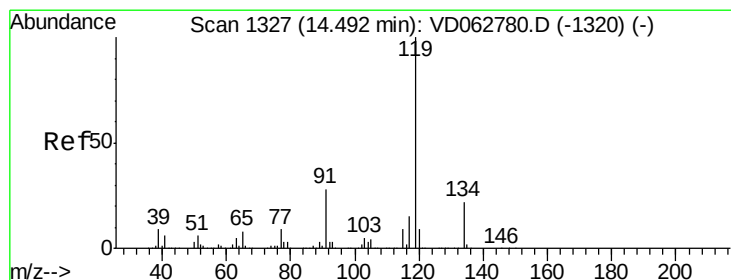
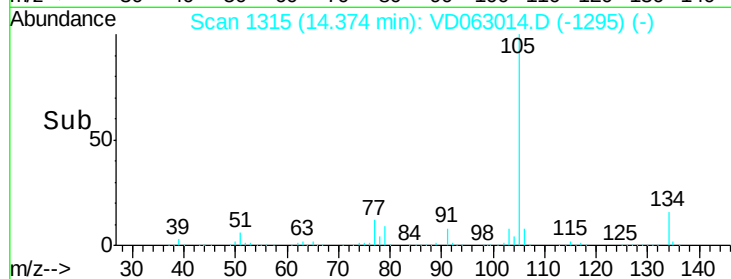
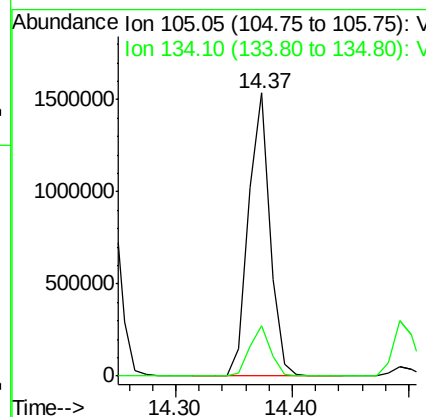
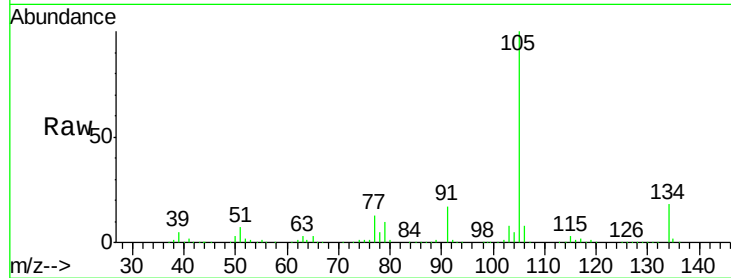
#85
 sec-Butylbenzene
 Concen: 57.810 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Tot Ion:105 Resp: 1953668
 Ion Ratio Lower Upper
 105 100
 134 17.9 9.1 27.3

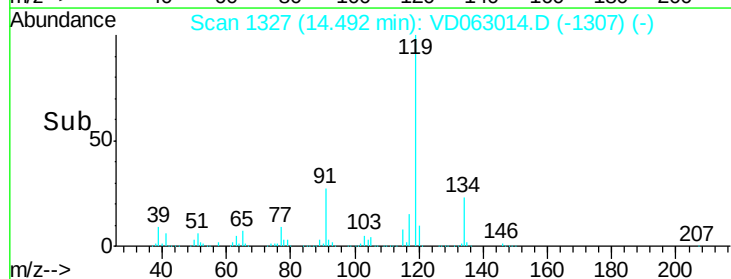
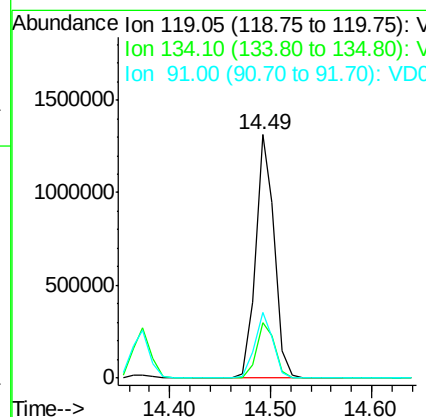
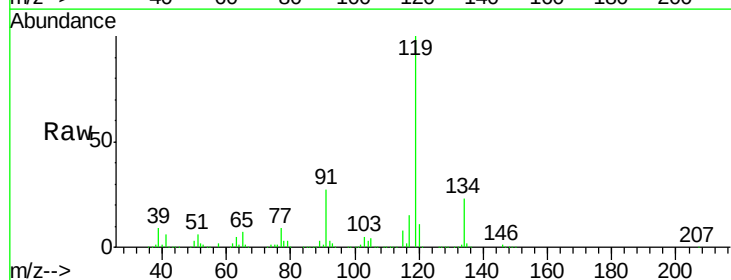
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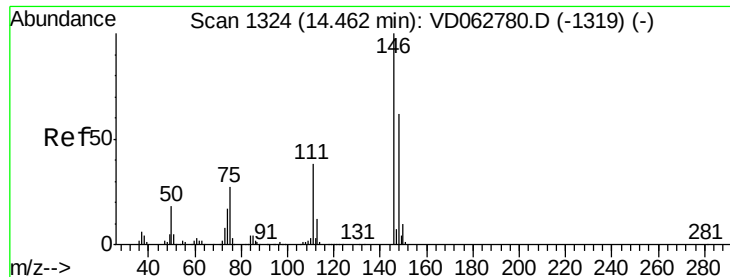
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#86
 p-Isopropyltoluene
 Concen: 54.908 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Tgt Ion:119 Resp: 1697595
 Ion Ratio Lower Upper
 119 100
 134 22.7 11.1 33.1
 91 26.9 14.0 41.9





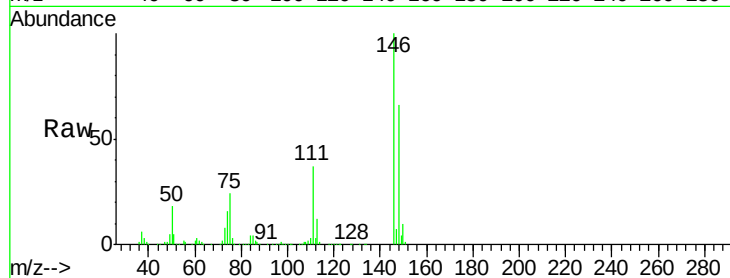
#87
 1,3-Dichlorobenzene
 Concen: 60.338 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

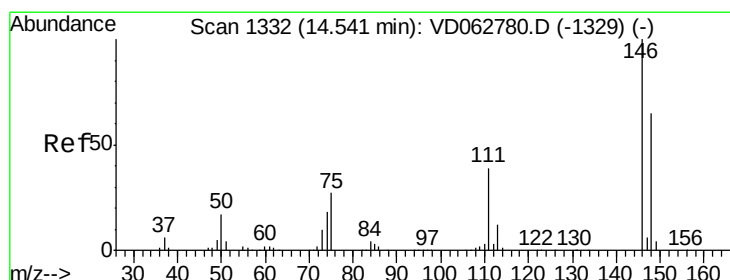
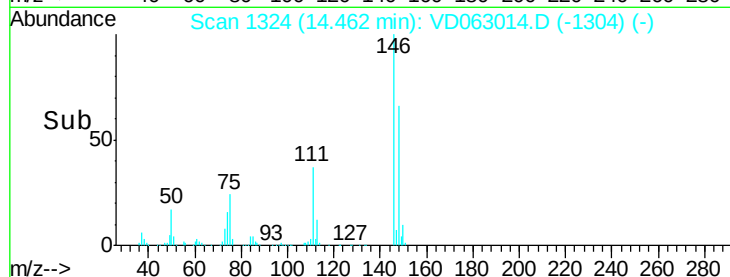
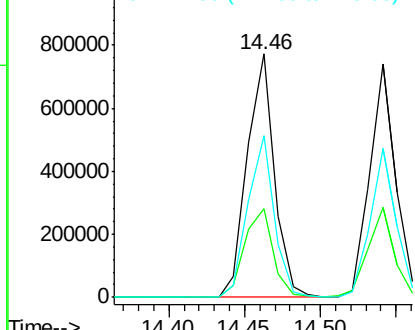
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	19.0	57.0
148	66.4	30.8	92.3

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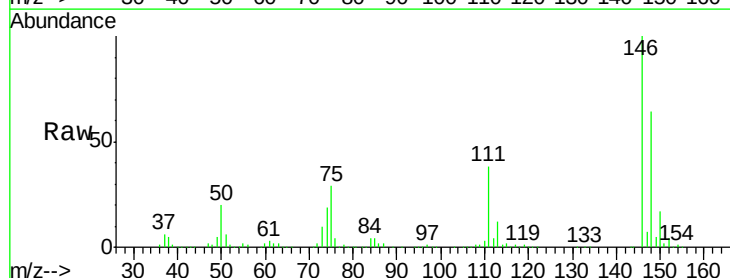


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

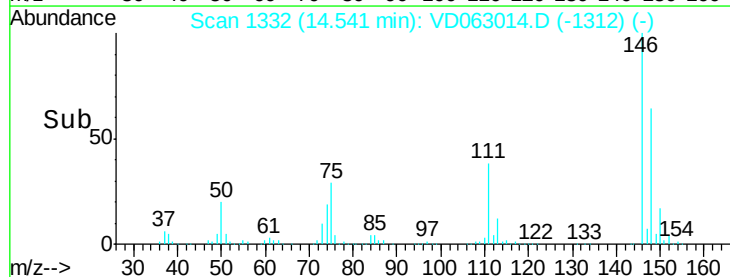
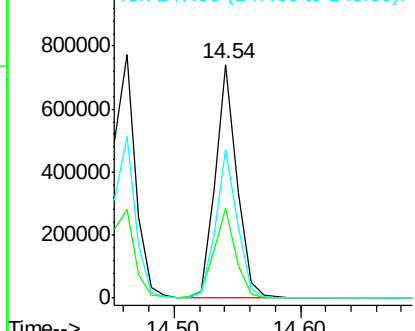


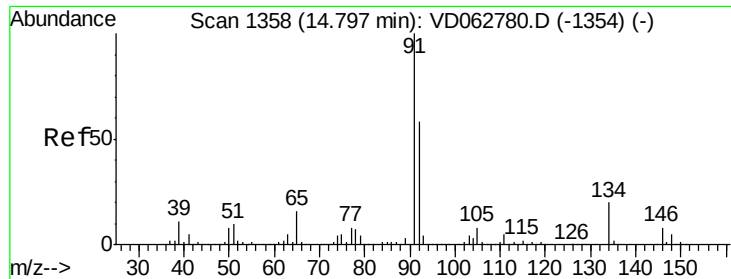
#88
 1,4-Dichlorobenzene
 Concen: 55.157 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.7	59.1
148	63.6	32.8	98.3



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





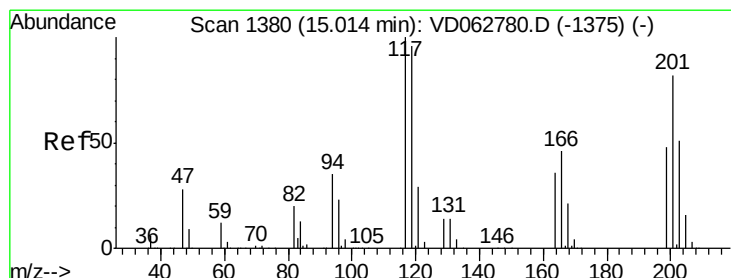
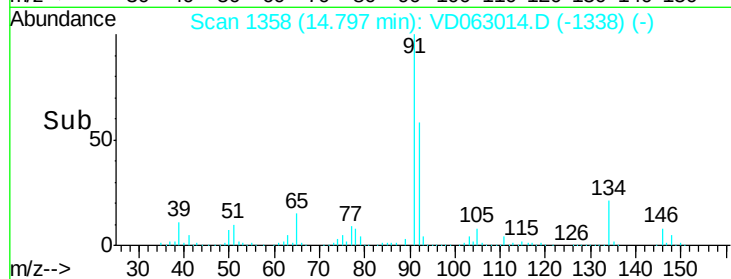
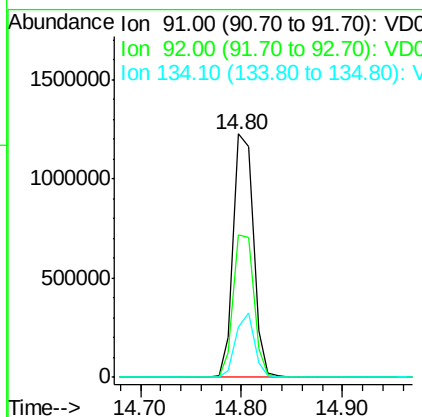
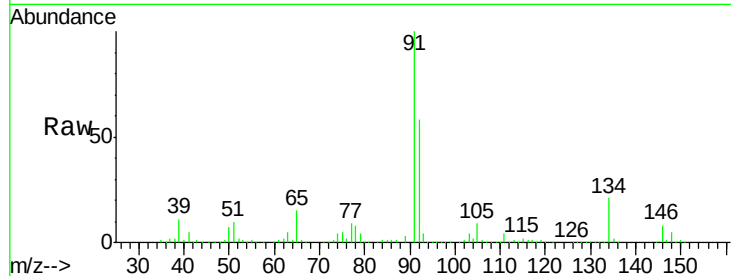
#89
n-Butylbenzene
Concen: 58.674 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1697841
Ion Ratio Lower Upper
91 100
92 58.3 28.9 86.7
134 20.9 10.1 30.3

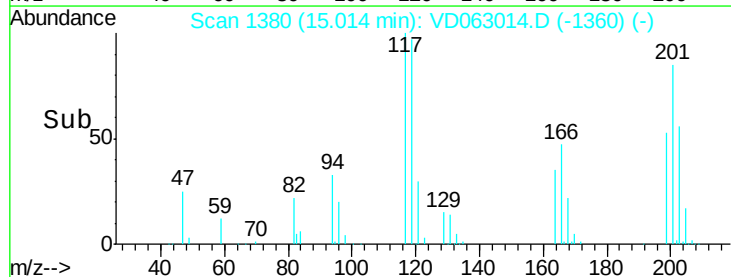
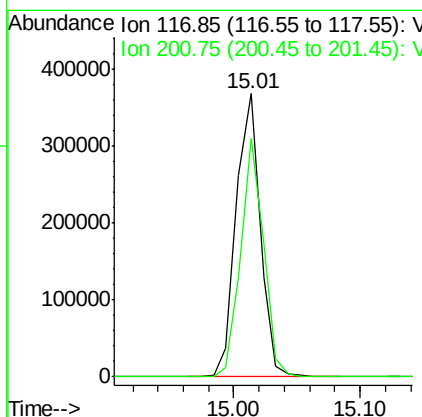
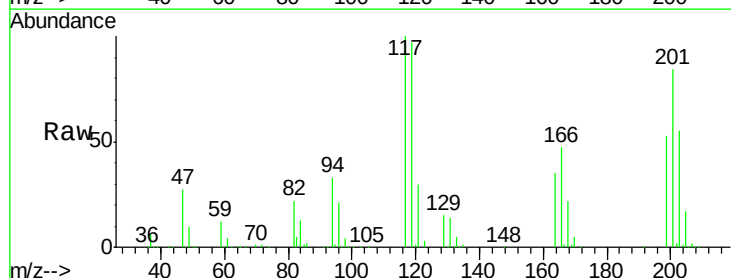
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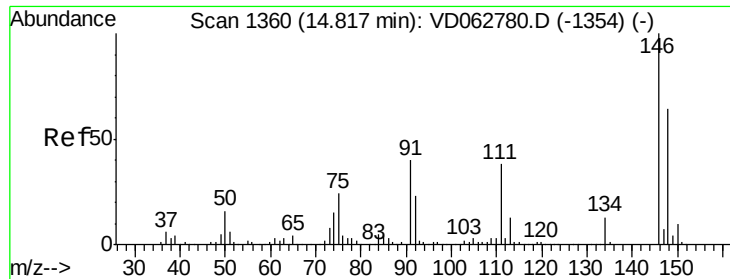
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#90
Hexachloroethane
Concen: 58.411 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion: 117 Resp: 485549
Ion Ratio Lower Upper
117 100
201 84.2 40.8 122.2





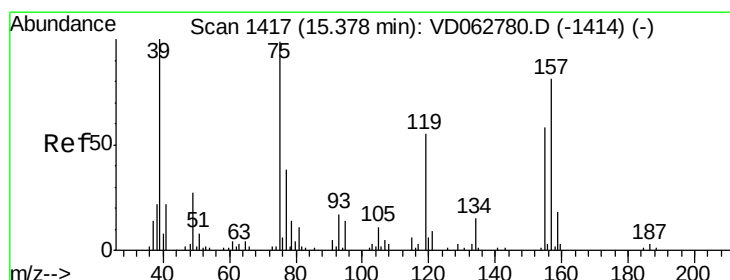
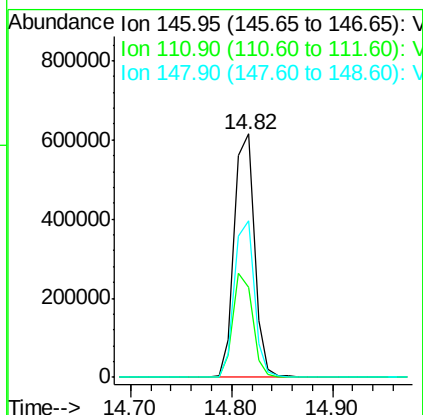
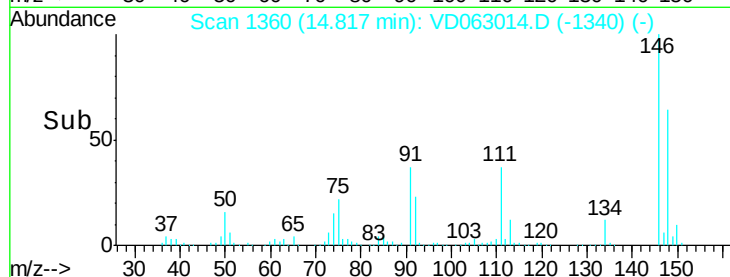
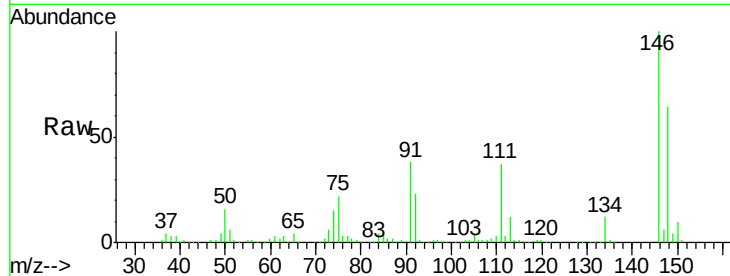
#91
 1,2-Dichlorobenzene
 Concen: 62.620 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.1	57.1
148	64.4	32.3	96.8

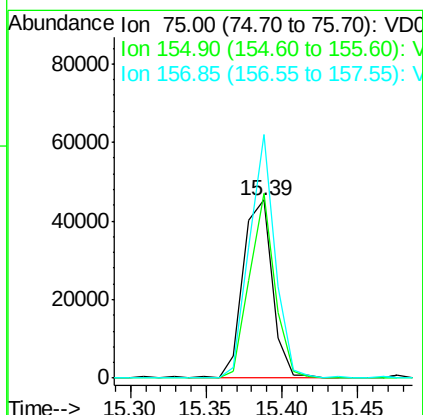
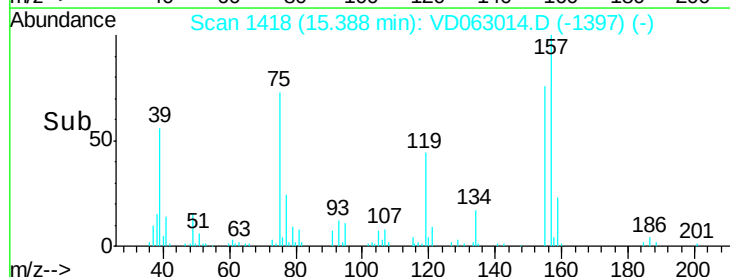
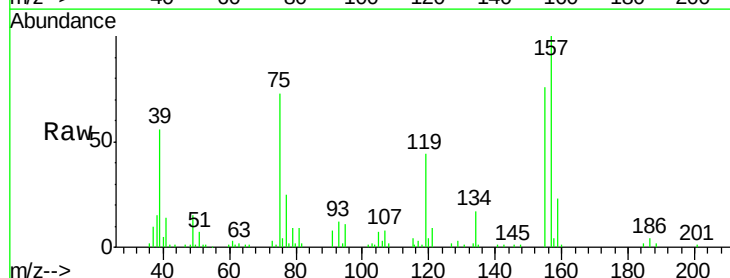
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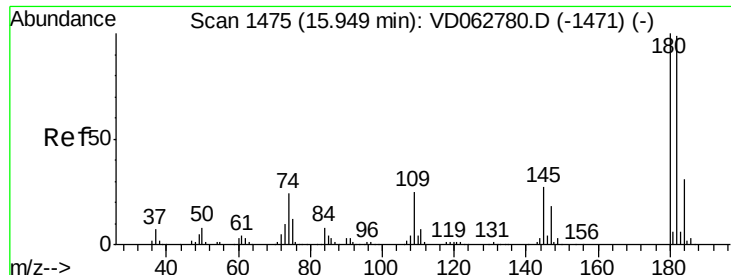
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 7/3/2019 9:36:46 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.897 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.8	29.3	87.8#
157	136.8	41.3	123.7#





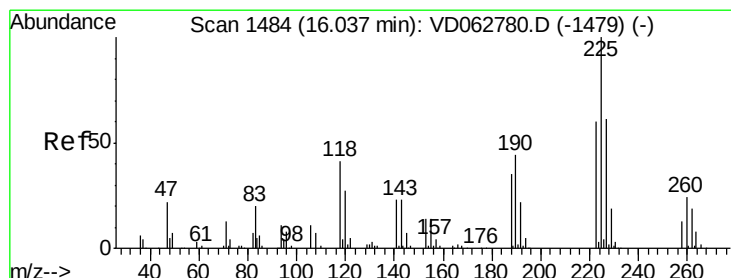
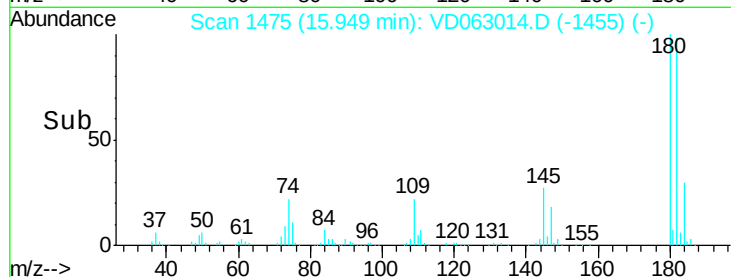
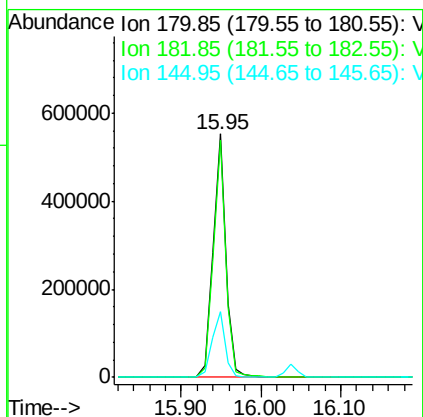
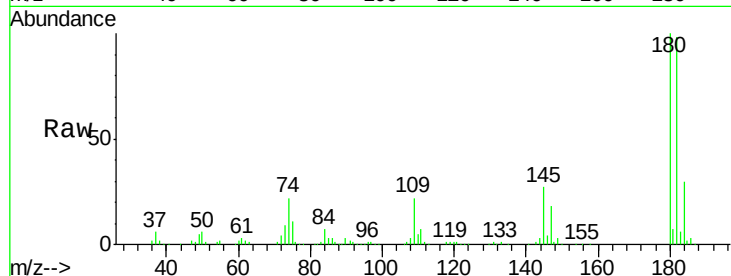
#93
 1,2,4-Trichlorobenzene
 Concen: 59.256 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	49.5	148.5
145	27.0	13.7	41.0

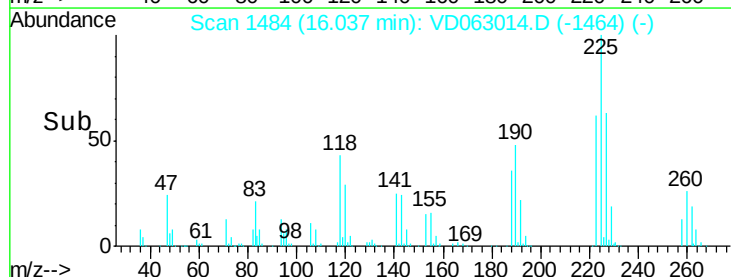
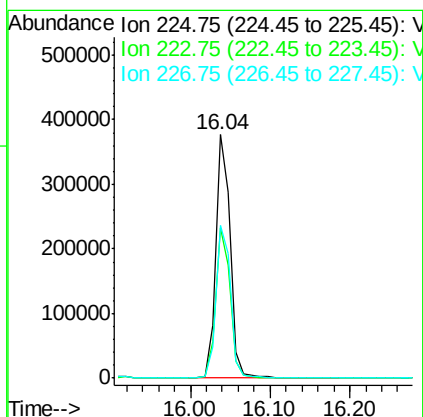
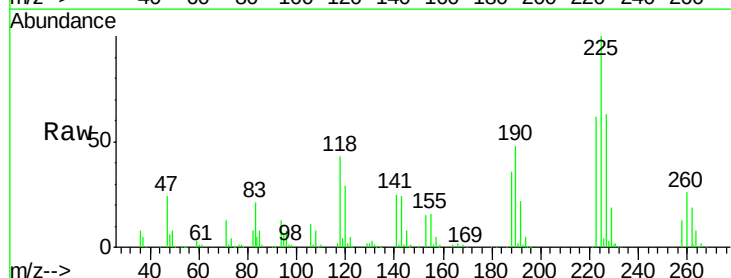
Manual Integrations
 APPROVED

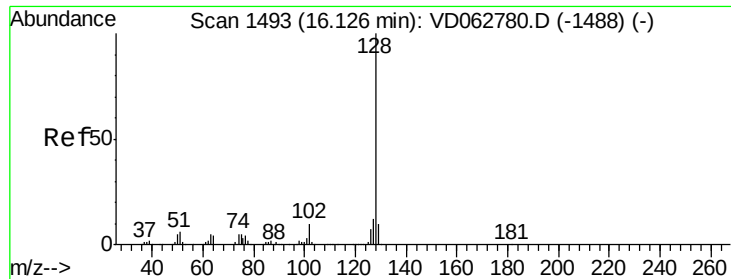
MMDadoda
 7/3/2019 9:36:46 AM



#94
 Hexachlorobutadiene
 Concen: 58.698 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	29.8	89.5
227	62.9	30.6	91.6





#95

Naphthalene

Concen: 60.318 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

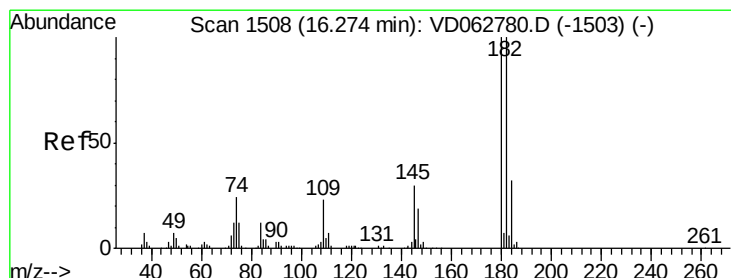
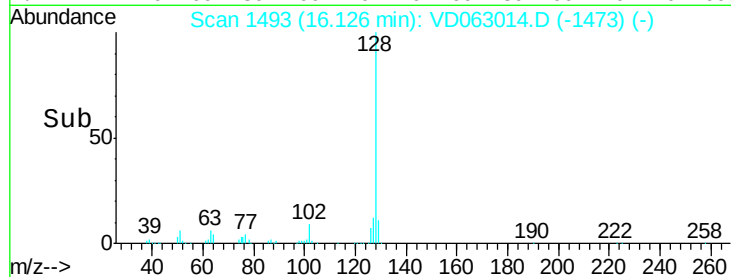
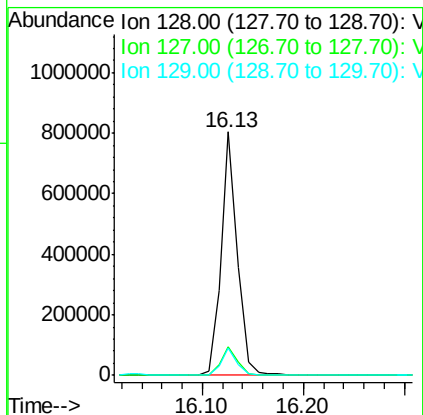
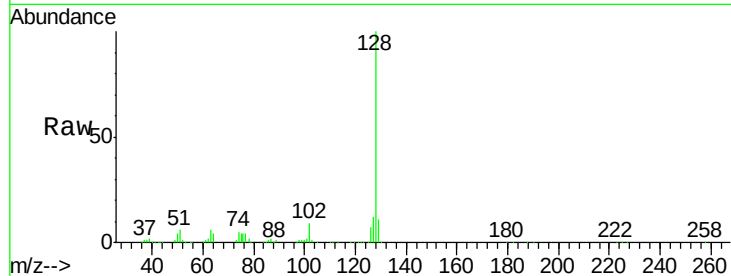
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	904761
Ion Ratio	Lower	Upper	
128	100		
127	11.5	9.7	14.5
129	11.1	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
7/3/2019 9:36:46 AM



#96

1,2,3-Trichlorobenzene

Concen: 60.293 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Tgt Ion:	180	Resp:	495765
Ion Ratio	Lower	Upper	
180	100		
182	100.0	49.9	149.6
145	30.1	15.2	45.5

