

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060519\
 Data File : VD062615.D
 Acq On : 5 Jun 2019 16:08
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 12:21:24 PM

Quant Time: Jun 06 05:41:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 06 05:23:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	883503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	1154863	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.39	117	1011307	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.54	152	528338	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.48	65	862156	71.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.28%	
35) Dibromofluoromethane	6.95	113	855331	72.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.74%	
50) Toluene-d8	10.43	98	1881891	74.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.86%	
62) 4-Bromofluorobenzene	13.57	95	851412	71.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	630925	57.733	ug/l	92
3) Chloromethane	1.76	50	510012	59.778	ug/l	98
4) Vinyl Chloride	1.86	62	542052	64.786	ug/l	99
5) Bromomethane	2.16	94	265236	64.541	ug/l	98
6) Chloroethane	2.27	64	278143	65.870	ug/l	94
7) Trichlorofluoromethane	2.54	101	1229979	65.851	ug/l	99
8) Diethyl Ether	2.88	74	161624	66.585	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.16	101	712184	67.819	ug/l	99
10) Methyl Iodide	3.31	142	978013	72.766	ug/l	95
11) Tert butyl alcohol	4.10	59	175790	323.934	ug/l #	87
12) 1,1-Dichloroethene	3.14	96	511268	66.435	ug/l	98
13) Acrolein	3.05	56	65194	339.711	ug/l	93
14) Allyl chloride	3.63	41	780071	66.508	ug/l	94
15) Acrylonitrile	4.21	53	388242	328.182	ug/l	95
16) Acetone	3.24	43	795788	365.400	ug/l	97
17) Carbon Disulfide	3.38	76	1567893	69.910	ug/l	97
18) Methyl Acetate	3.66	43	226717	58.542	ug/l	97
19) Methyl tert-butyl Ether	4.26	73	1293902	69.337	ug/l	95
20) Methylene Chloride	3.83	84	529107	62.418	ug/l	95
21) trans-1,2-Dichloroethene	4.23	96	552310	65.832	ug/l	96
22) Diisopropyl ether	5.14	45	1678269	67.736	ug/l	99
23) Vinyl Acetate	5.08	43	5338994	354.210	ug/l	98
24) 1,1-Dichloroethane	5.00	63	1044886	66.933	ug/l	97
25) 2-Butanone	6.10	43	732680	354.153	ug/l	93
26) 2,2-Dichloropropane	6.04	77	1124928	65.948	ug/l	97
27) cis-1,2-Dichloroethene	6.06	96	586266	64.834	ug/l	89
28) Bromochloromethane	6.46	49	429474	72.719	ug/l	91
29) Tetrahydrofuran	6.48	42	332086	345.787	ug/l	96
30) Chloroform	6.68	83	1334377	68.726	ug/l	98
31) Cyclohexane	6.98	56	696121	69.756	ug/l	98
32) 1,1,1-Trichloroethane	6.89	97	1323264	67.322	ug/l	95
36) 1,1-Dichloropropene	7.16	75	880640	70.924	ug/l	98
37) Ethyl Acetate	6.21	43	355590	70.967	ug/l	99
38) Carbon Tetrachloride	7.13	117	1369496m	72.764	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	764161	71.982	ug/l	95
40) Benzene	7.48	78	1704090	69.488	ug/l	100
41) Methacrylonitrile	6.46	41	471185	72.616	ug/l	98
42) 1,2-Dichloroethane	7.61	62	987833	68.434	ug/l	100
43) Isopropyl Acetate	9.26	43	512283	74.385	ug/l #	95
44) Trichloroethene	8.56	130	709470	71.340	ug/l	92
45) 1,2-Dichloropropane	8.97	63	424650	69.152	ug/l	100
46) Dibromomethane	9.08	93	383025	71.695	ug/l	97
47) Bromodichloromethane	9.40	83	1035286	71.947	ug/l	94
48) Methyl methacrylate	9.14	41	325844	69.571	ug/l	96
49) 1,4-Dioxane	9.10	88	55619	1496.314	ug/l #	89
51) 4-Methyl-2-Pentanone	10.32	43	1627284	362.884	ug/l	98
52) Toluene	10.53	92	1196434	73.555	ug/l	100
53) t-1,3-Dichloropropene	10.93	75	892438	74.694	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	891339	73.259	ug/l	99
55) 1,1,2-Trichloroethane	11.21	97	399144	71.525	ug/l	96
56) Ethyl methacrylate	11.06	69	438626	70.525	ug/l	90
57) 1,3-Dichloropropane	11.44	76	623273	71.536	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.88	63	1033958	324.136	ug/l	97
59) 2-Hexanone	11.55	43	1263970	371.733	ug/l	99
60) Dibromochloromethane	11.71	129	785275	72.015	ug/l	93
61) 1,2-Dibromoethane	11.83	107	501057	73.309	ug/l	96
64) Tetrachloroethene	11.28	164	628347	68.797	ug/l	95
65) Chlorobenzene	12.42	112	1507096	71.718	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.54	131	659714	65.308	ug/l	99
67) Ethyl Benzene	12.55	91	2352236	61.931	ug/l	99
68) m/p-Xylenes	12.70	106	1894404	142.991	ug/l	98
69) o-Xylene	13.07	106	869755	68.135	ug/l	98
70) Styrene	13.09	104	1507973	70.319	ug/l	96
71) Bromoform	13.26	173	484556	69.452	ug/l	99
73) Isopropylbenzene	13.42	105	2519927	68.594	ug/l	98
74) N-amyl acetate	13.29	43	709884	74.836	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.72	83	446254	72.464	ug/l	98
76) 1,2,3-Trichloropropane	13.76	75	505992	73.418	ug/l	96
77) Bromobenzene	13.69	156	711332	69.613	ug/l	94
78) n-propylbenzene	13.80	91	2948025	69.194	ug/l	97
79) 2-Chlorotoluene	13.86	91	1824613	70.640	ug/l	95
80) 1,3,5-Trimethylbenzene	13.96	105	2231791	70.589	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.49	75	135962	76.747	ug/l	95
82) 4-Chlorotoluene	13.97	91	2130496	70.093	ug/l	93
83) tert-Butylbenzene	14.21	119	2432148	69.862	ug/l	94
84) 1,2,4-Trimethylbenzene	14.26	105	2262453	69.912	ug/l	96
85) sec-Butylbenzene	14.39	105	2611121	72.791	ug/l	98
86) p-Isopropyltoluene	14.51	119	2304094	66.810	ug/l	96
87) 1,3-Dichlorobenzene	14.48	146	1203848	70.195	ug/l	95
88) 1,4-Dichlorobenzene	14.56	146	1222039	70.358	ug/l	98
89) n-Butylbenzene	14.82	91	2138524	66.689	ug/l	97
90) Hexachloroethane	15.03	117	664617	73.222	ug/l	92
91) 1,2-Dichlorobenzene	14.83	146	1035171	65.369	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.40	75	89221	70.825	ug/l	82

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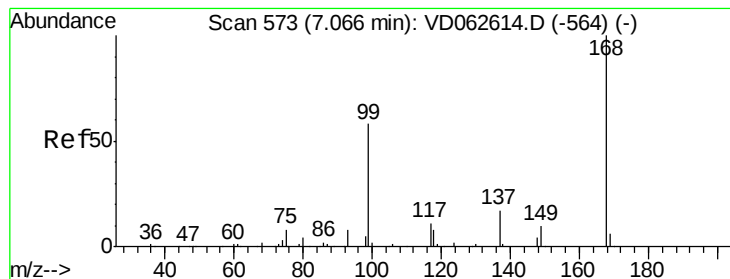
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	818753	71.957	ug/l	98
94) Hexachlorobutadiene	16.06	225	644944	75.567	ug/l	98
95) Naphthalene	16.14	128	1167190	71.635	ug/l	99
96) 1,2,3-Trichlorobenzene	16.29	180	617914	71.019	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.00 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 883503

Ion Ratio Lower Upper

168 100

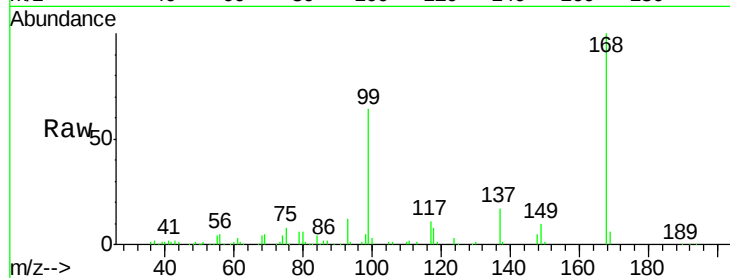
99 63.6 48.1 72.1

Manual Integrations

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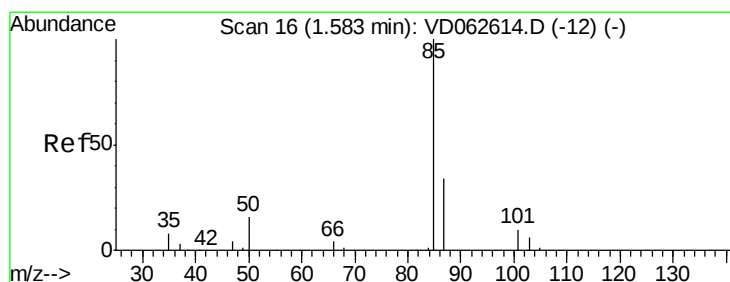
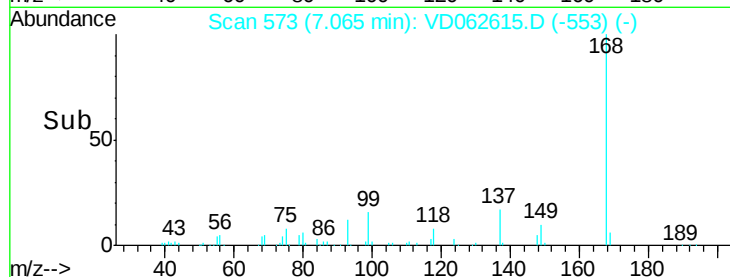
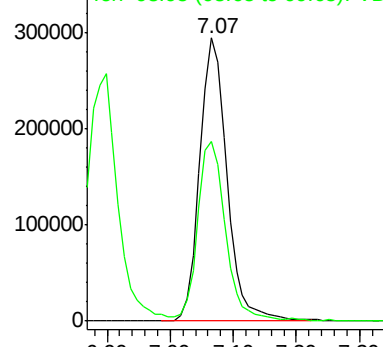
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 57.733 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.00 min

Lab File: VD062615.D

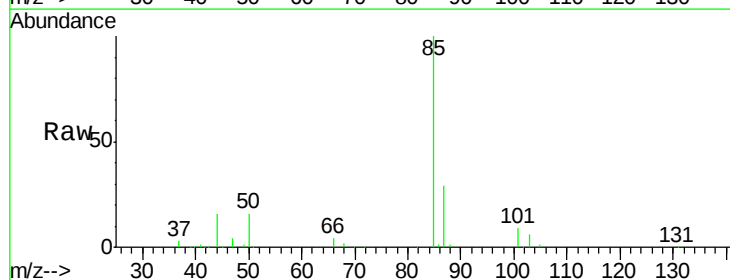
Acq: 5 Jun 2019 16:08

Tgt Ion: 85 Resp: 630925

Ion Ratio Lower Upper

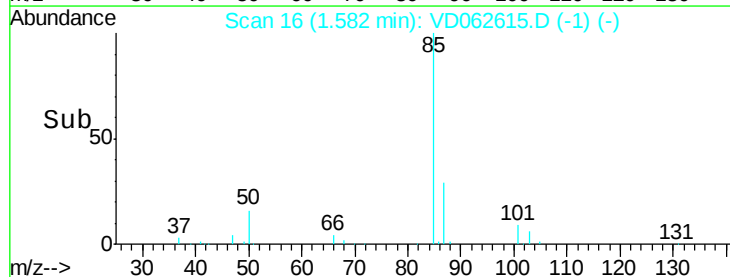
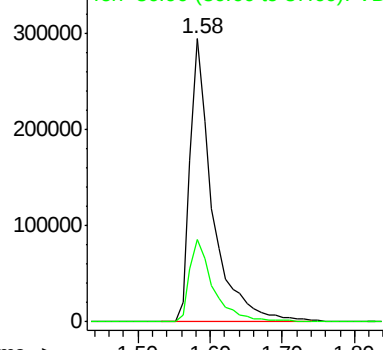
85 100

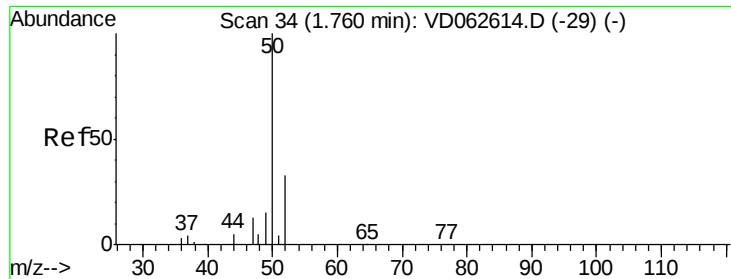
87 29.3 16.9 50.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 59.778 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 510012

Ion Ratio Lower Upper

50 100

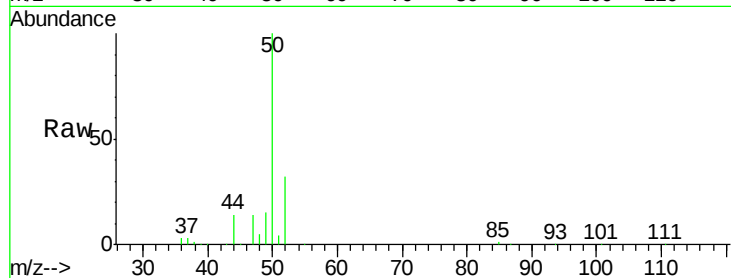
52 32.2 26.6 40.0

Manual Integrations

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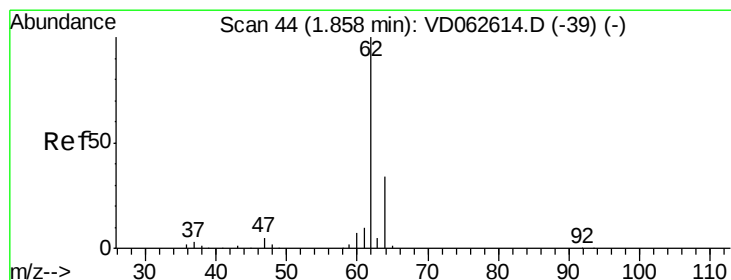
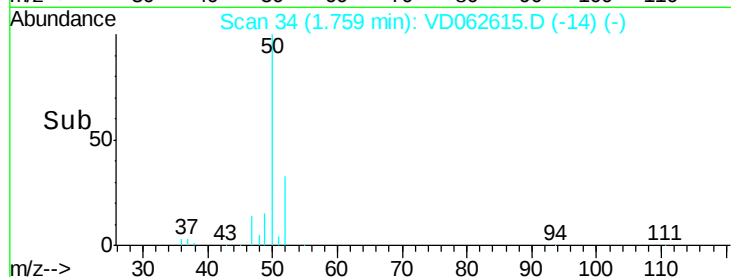
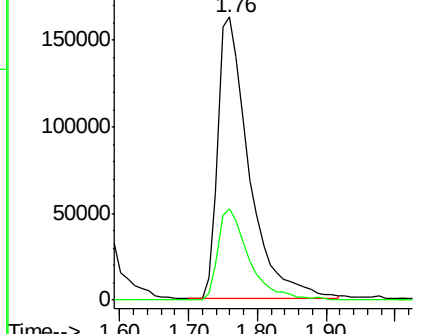
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 64.786 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.00 min

Lab File: VD062615.D

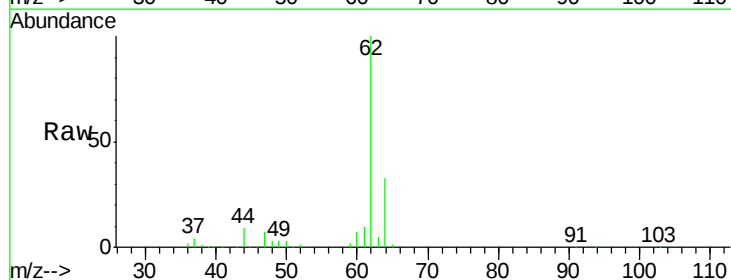
Acq: 5 Jun 2019 16:08

Tgt Ion: 62 Resp: 542052

Ion Ratio Lower Upper

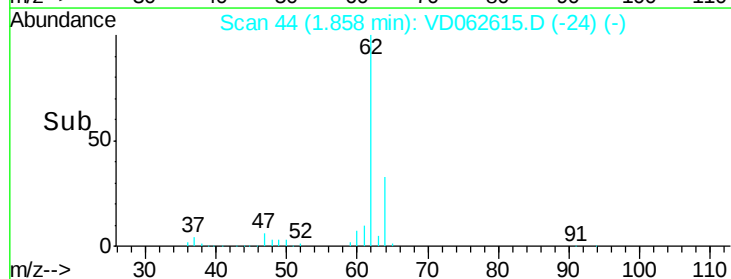
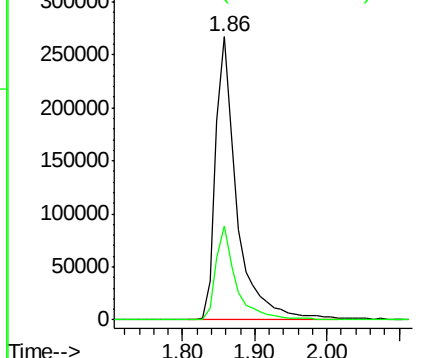
62 100

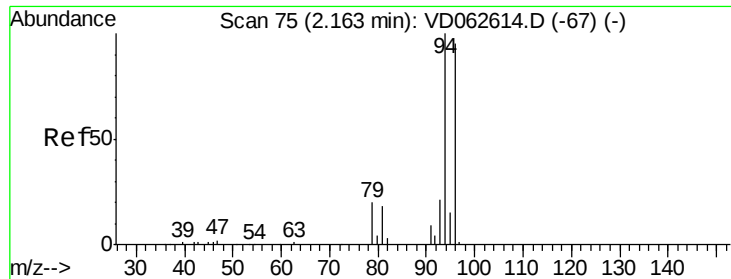
64 33.3 27.2 40.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 64.541 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.00 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Instrument :

MSVOA_D

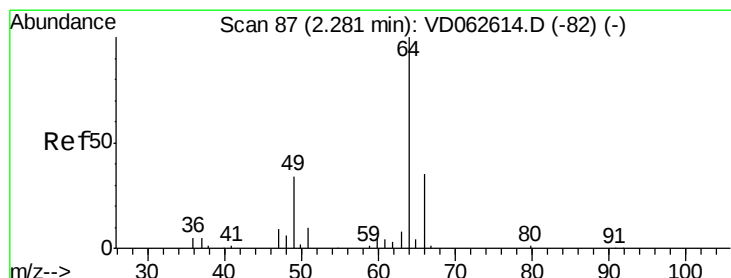
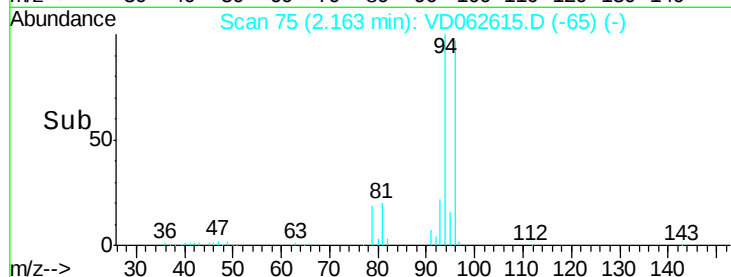
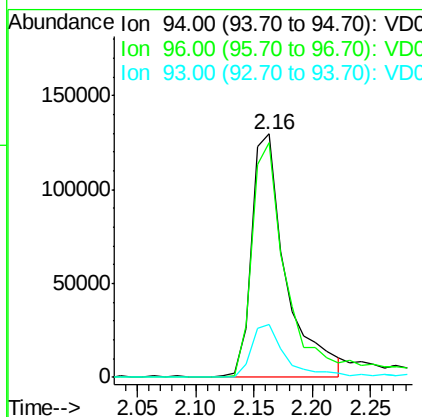
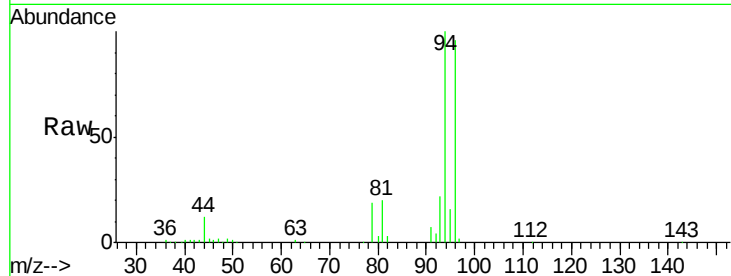
ClientSampleId :

VSTDIC075

Tot Ion:	94	Resp:	265236
Ion	Ratio	Lower	Upper
94	100		
96	96.2	75.8	113.8
93	21.8	16.6	25.0

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#6

Chloroethane

Concen: 65.870 ug/l

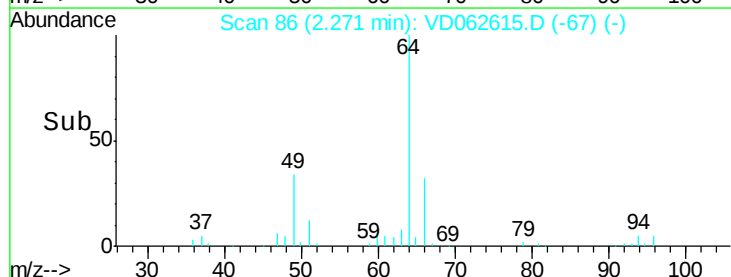
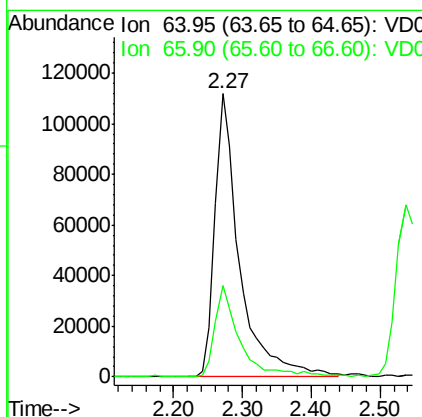
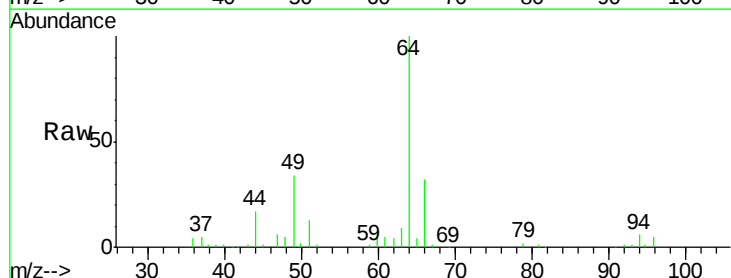
RT: 2.27 min Scan# 86

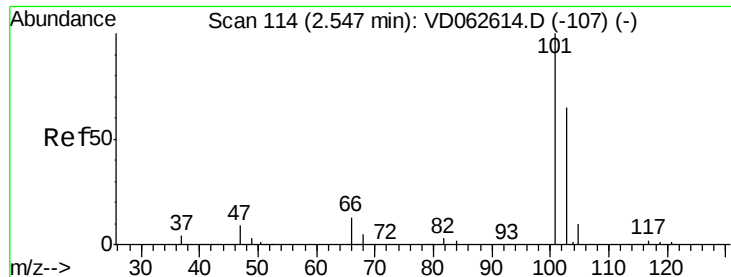
Delta R.T. -0.01 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Tgt Ion:	64	Resp:	278143
Ion	Ratio	Lower	Upper
64	100		
66	32.1	28.4	42.6





#7

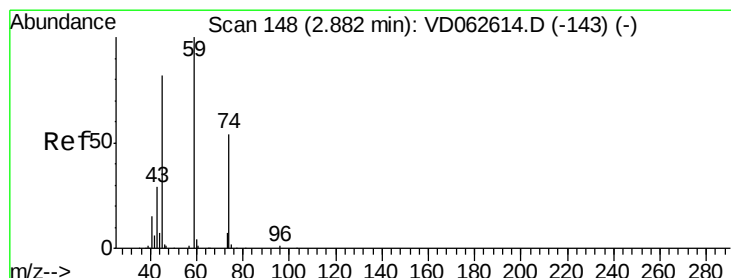
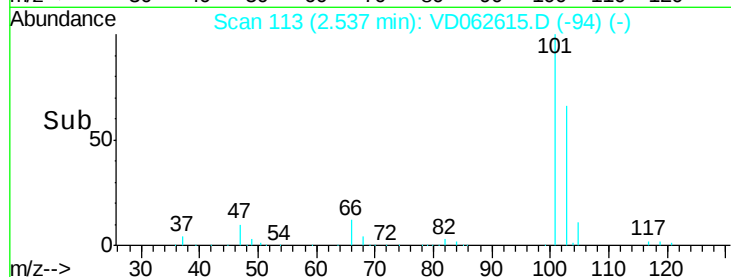
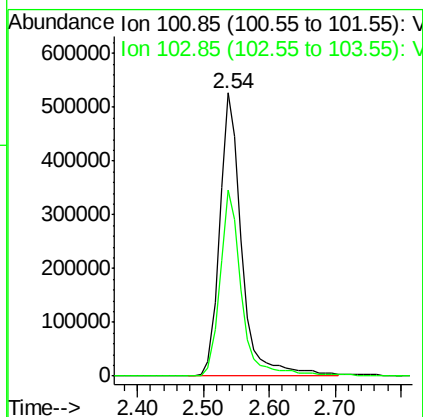
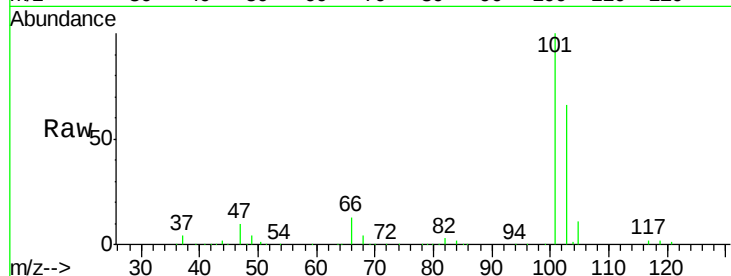
Trichlorofluoromethane
Concen: 65.851 ug/l
RT: 2.54 min Scan# 113
Delta R.T. -0.01 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

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Tot Ion:101 Resp: 1229979
Ion Ratio Lower Upper
101 100
103 65.9 52.1 78.1

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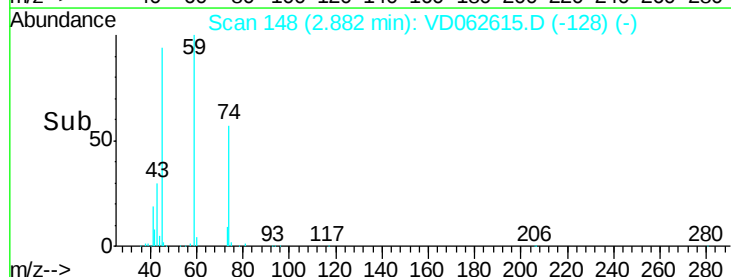
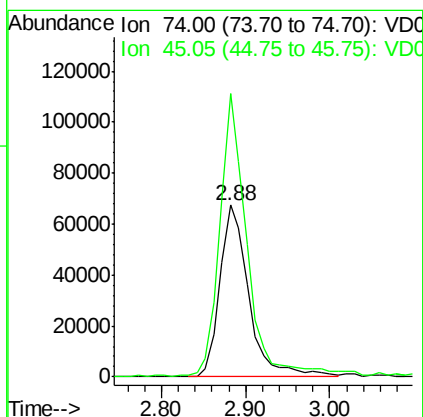
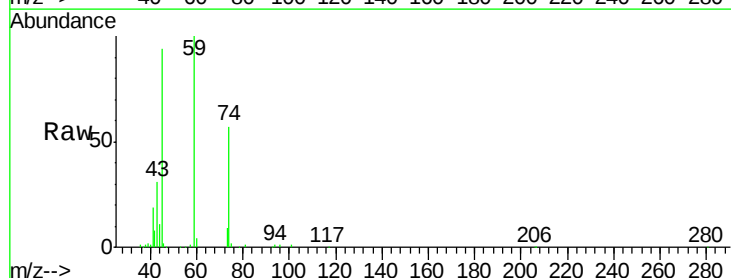
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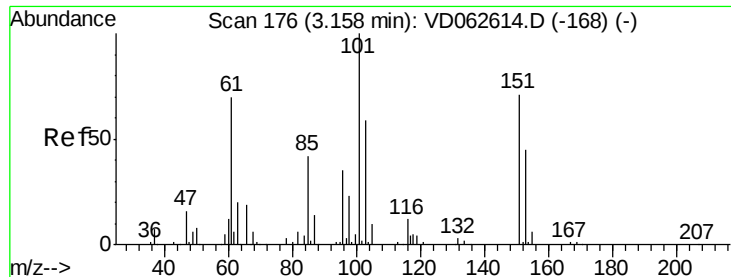


#8

Diethyl Ether
Concen: 66.585 ug/l
RT: 2.88 min Scan# 148
Delta R.T. -0.00 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Tgt Ion: 74 Resp: 161624
Ion Ratio Lower Upper
74 100
45 165.1 75.6 226.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 67.819 ug/l

RT: 3.16 min Scan# 176

Delta R.T. -0.00 min

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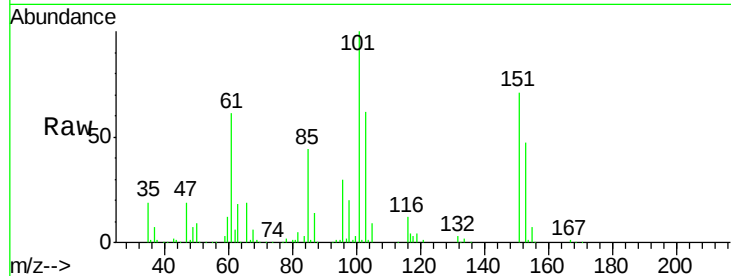
ClientSampleId :

VSTDIC075

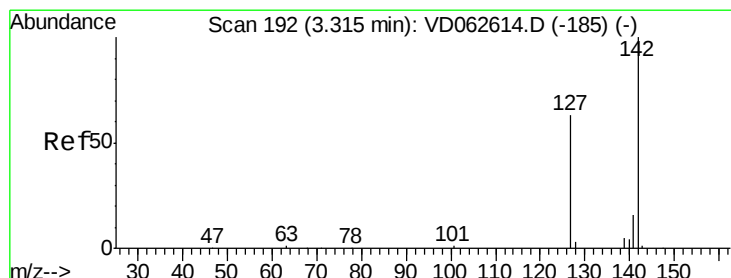
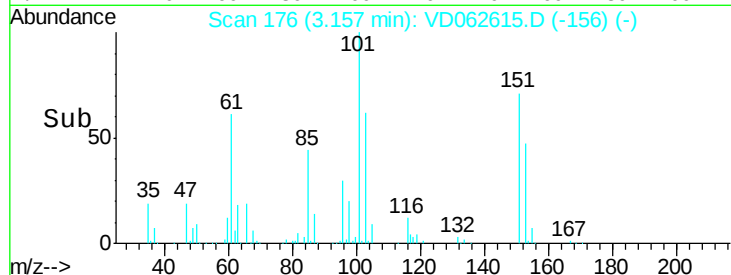
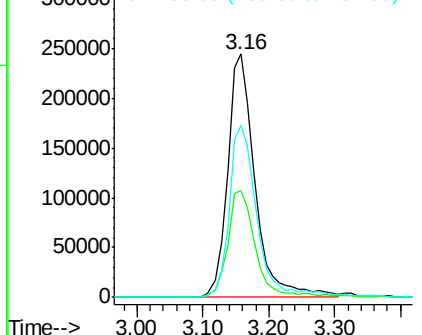
Tot Ion:	101	Resp:	712184
Ion Ratio	Lower	Upper	
101	100		
85	43.9	33.8	50.6
151	70.5	56.8	85.2

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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: 72.766 ug/l

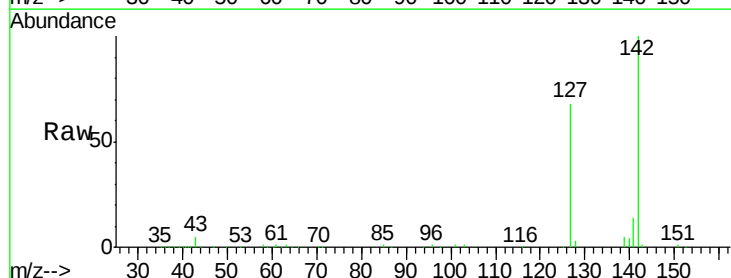
RT: 3.31 min Scan# 192

Delta R.T. -0.00 min

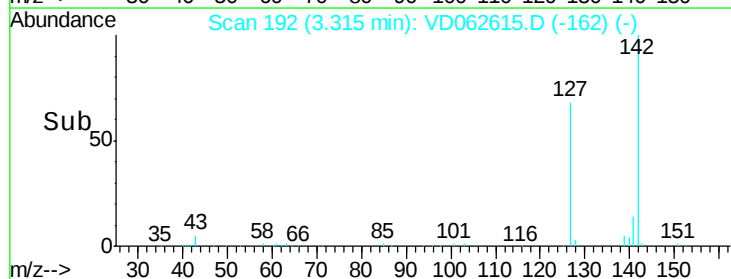
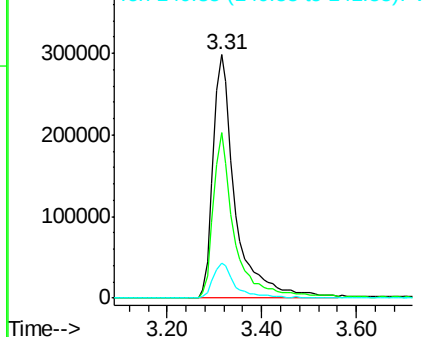
Lab File: VD062615.D

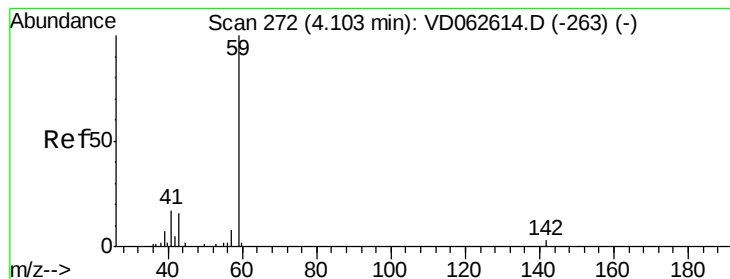
Acq: 5 Jun 2019 16:08

Tgt Ion:	142	Resp:	978013
Ion Ratio	Lower	Upper	
142	100		
127	67.9	50.7	76.1
141	14.3	12.9	19.3



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





#11

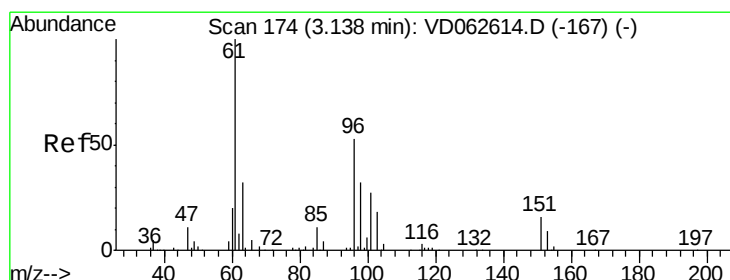
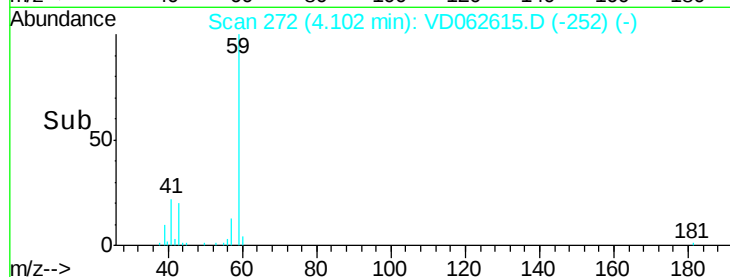
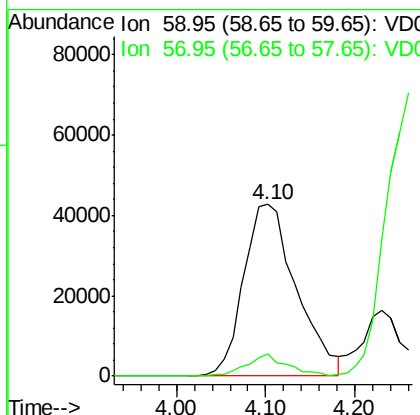
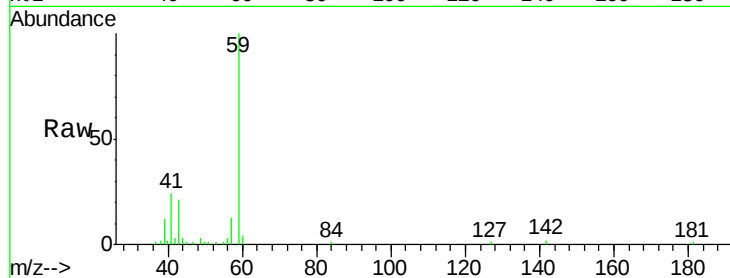
Tert butyl alcohol
Concen: 323.934 ug/l
RT: 4.10 min Scan# 272
Delta R.T. -0.00 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 59 Resp: 175790
Ion Ratio Lower Upper
59 100
57 12.7 6.4 9.6#

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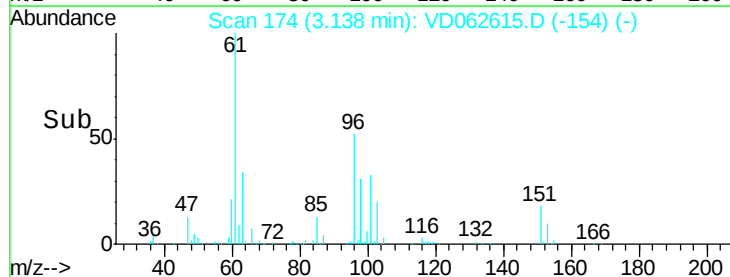
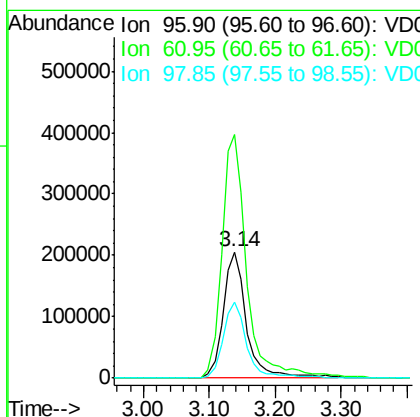
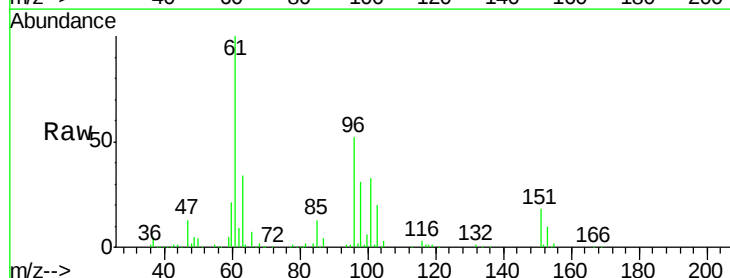
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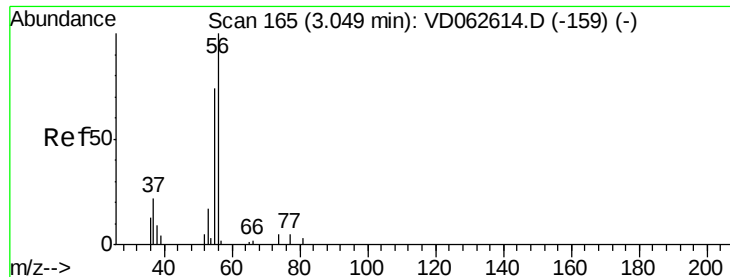


#12

1,1-Dichloroethene
Concen: 66.435 ug/l
RT: 3.14 min Scan# 174
Delta R.T. -0.00 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Tgt Ion: 96 Resp: 511268
Ion Ratio Lower Upper
96 100
61 193.1 151.3 226.9
98 60.6 48.6 72.8





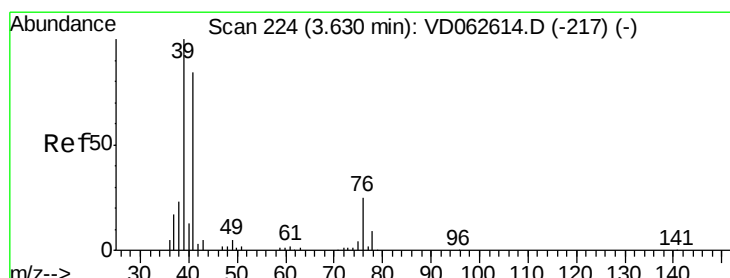
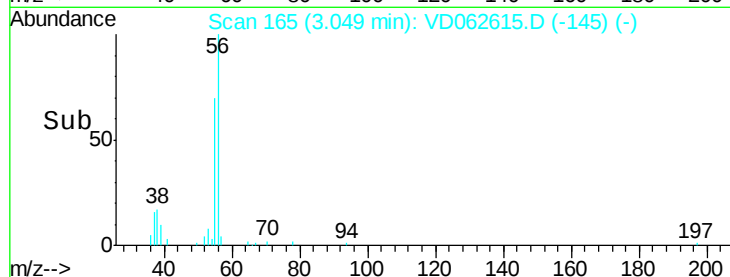
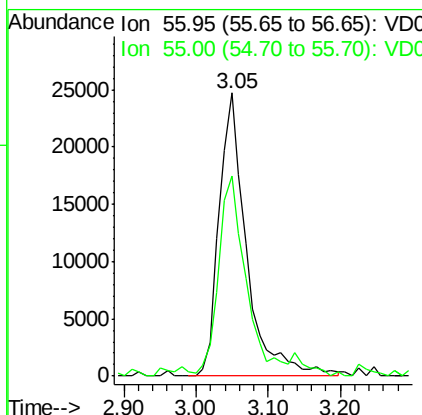
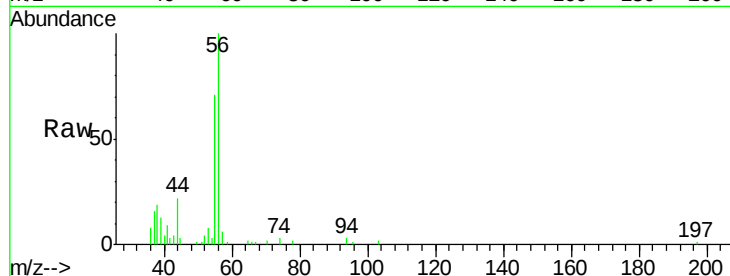
#13
Acrolein
Concen: 339.711 ug/l
RT: 3.05 min Scan# 165
Delta R.T. -0.00 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 56 Resp: 65194
Ion Ratio Lower Upper
56 100
55 70.5 61.4 92.0

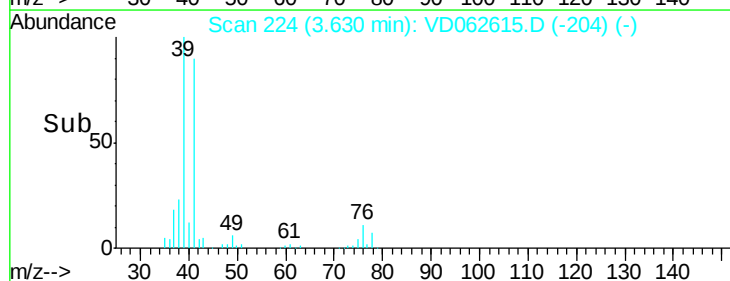
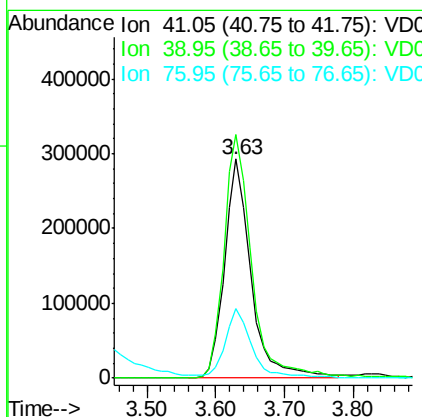
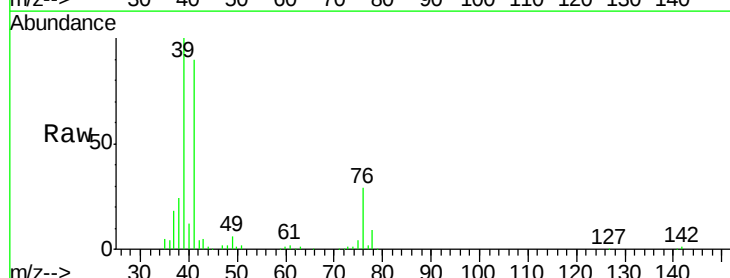
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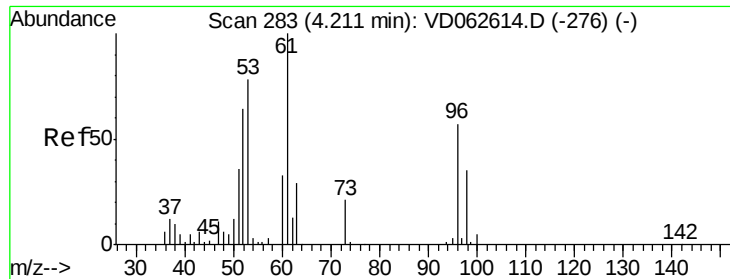
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#14
Allyl chloride
Concen: 66.508 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Tgt Ion: 41 Resp: 780071
Ion Ratio Lower Upper
41 100
39 111.1 95.5 143.3
76 31.8 25.4 38.0





#15

Acrylonitrile

Concen: 328.182 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.00 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Instrument :

MSVOA_D

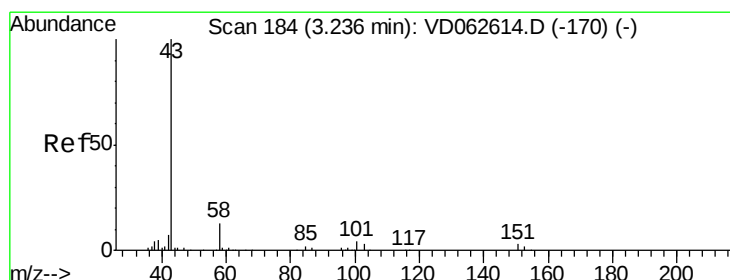
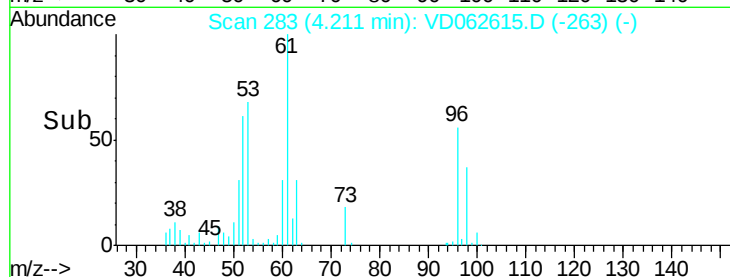
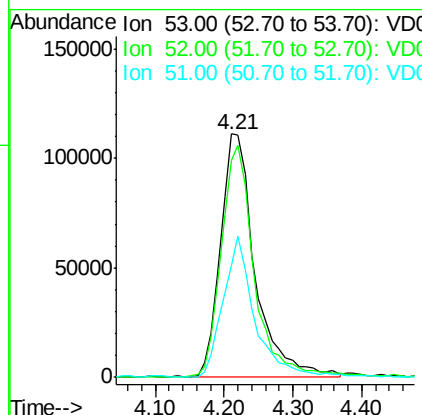
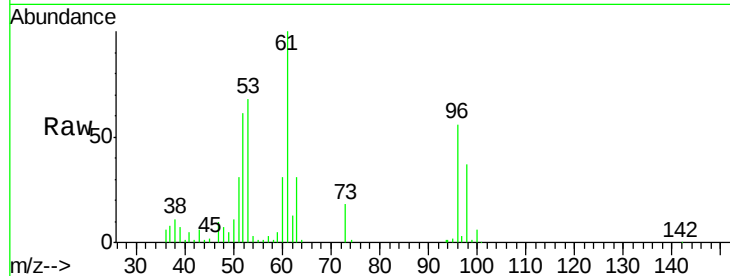
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	388242
Ion	Ratio	Lower	Upper
53	100		
52	89.3	65.8	98.6
51	46.1	36.9	55.3

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#16

Acetone

Concen: 365.400 ug/l

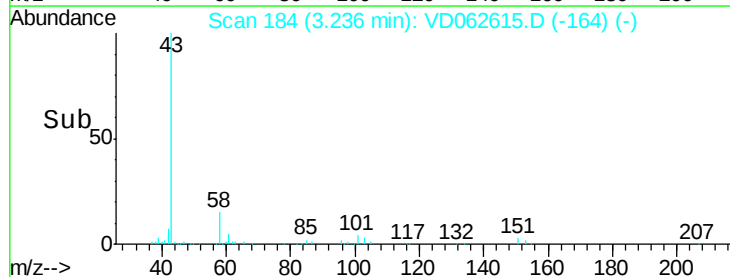
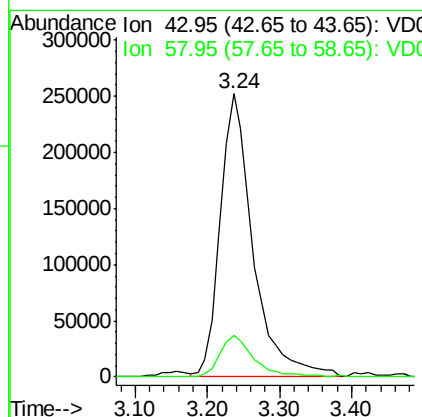
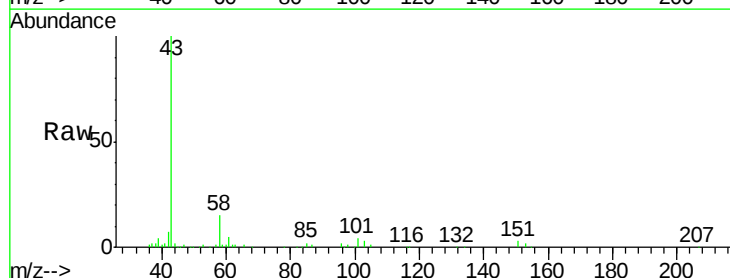
RT: 3.24 min Scan# 184

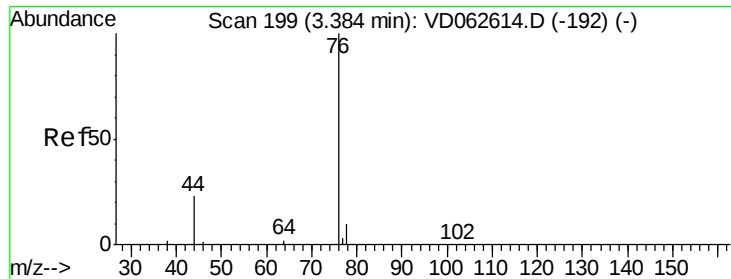
Delta R.T. -0.00 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Tgt Ion:	43	Resp:	795788
Ion	Ratio	Lower	Upper
43	100		
58	14.8	10.7	16.1





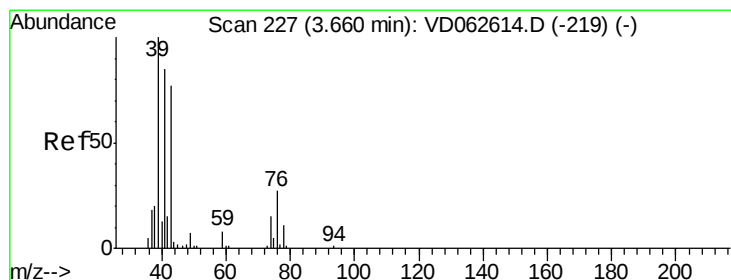
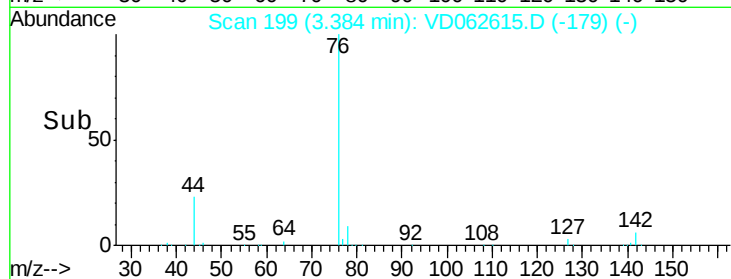
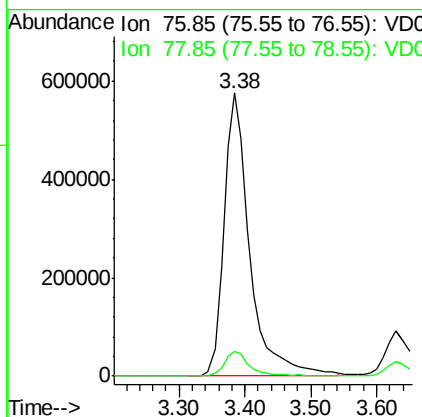
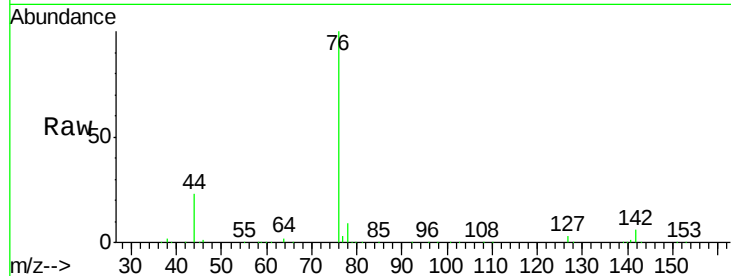
#17
Carbon Disulfide
Concen: 69.910 ug/l
RT: 3.38 min Scan# 199
Delta R.T. -0.00 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 76 Resp: 1567893
Ion Ratio Lower Upper
76 100
78 8.8 8.1 12.1

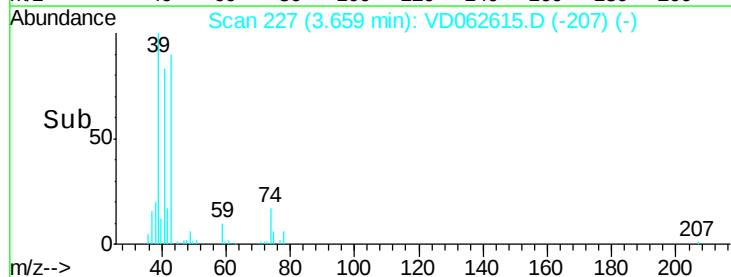
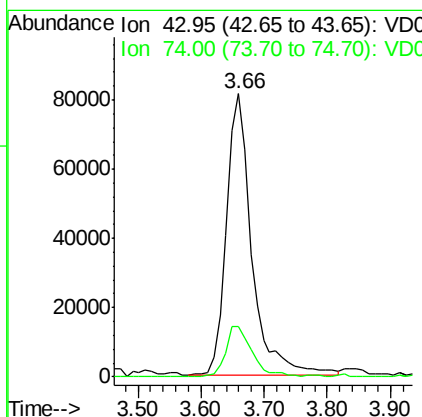
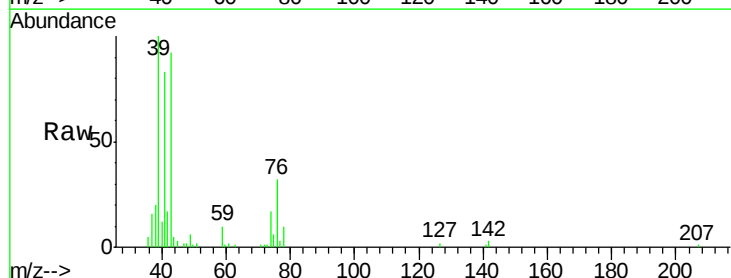
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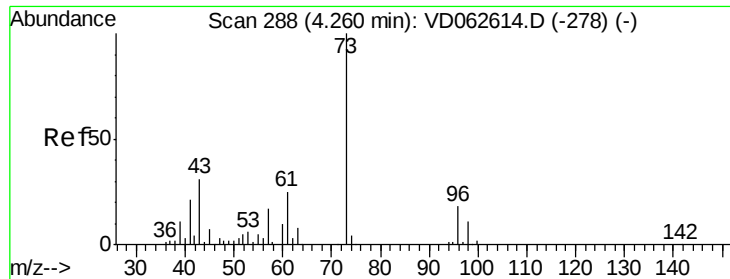
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#18
Methyl Acetate
Concen: 58.542 ug/l
RT: 3.66 min Scan# 227
Delta R.T. -0.00 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Tgt Ion: 43 Resp: 226717
Ion Ratio Lower Upper
43 100
74 18.0 15.5 23.3





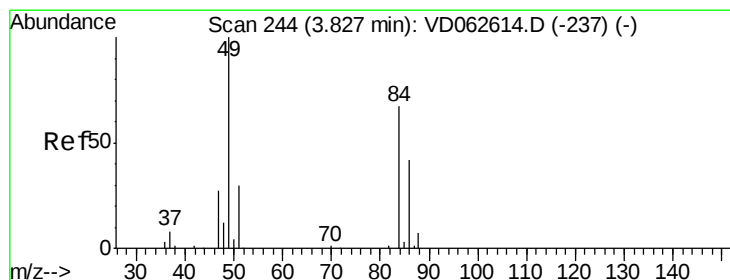
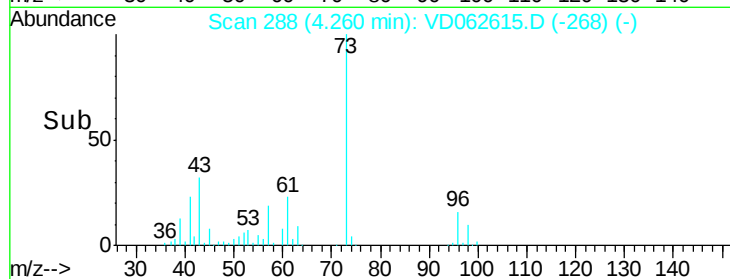
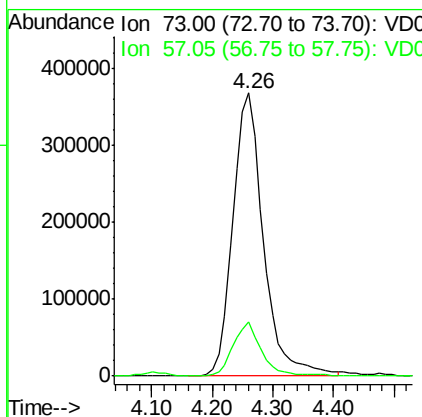
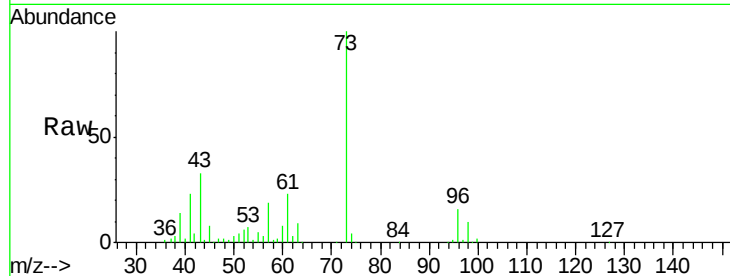
#19
Methyl tert-butyl Ether
Concen: 69.337 ug/l
RT: 4.26 min Scan# 288
Delta R.T. -0.00 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 73 Resp: 1293902
Ion Ratio Lower Upper
73 100
57 19.1 13.5 20.3

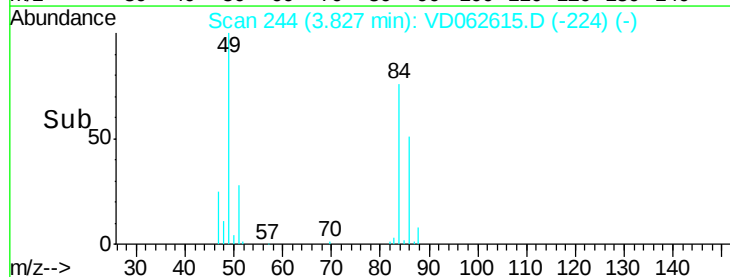
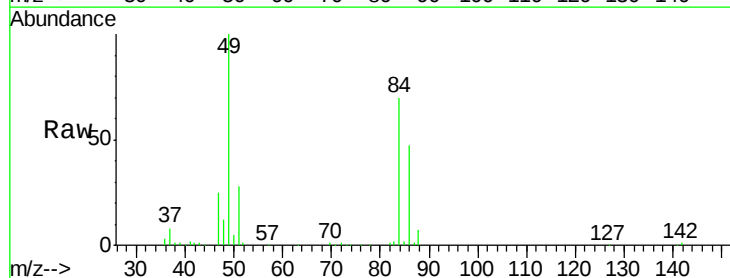
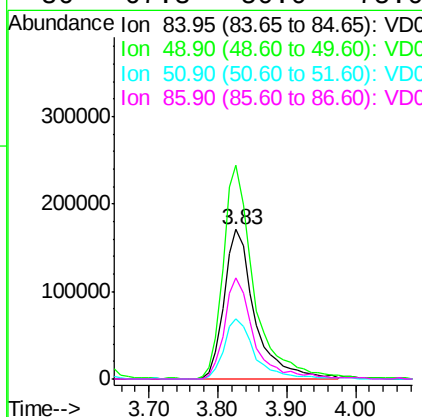
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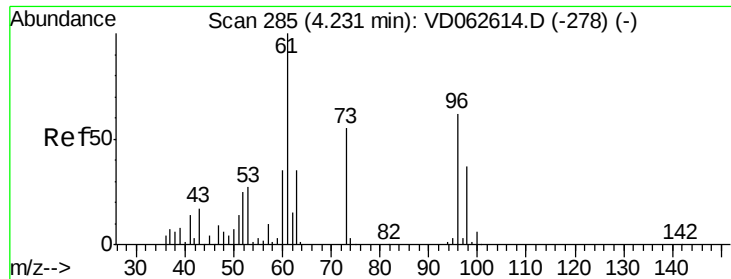
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#20
Methylene Chloride
Concen: 62.418 ug/l
RT: 3.83 min Scan# 244
Delta R.T. -0.00 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Tgt Ion: 84 Resp: 529107
Ion Ratio Lower Upper
84 100
49 143.0 119.0 178.6
51 40.4 35.4 53.2
86 67.3 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 65.832 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.00 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 96 Resp: 552310

Ion Ratio Lower Upper

96 100

61 165.9 128.2 192.4

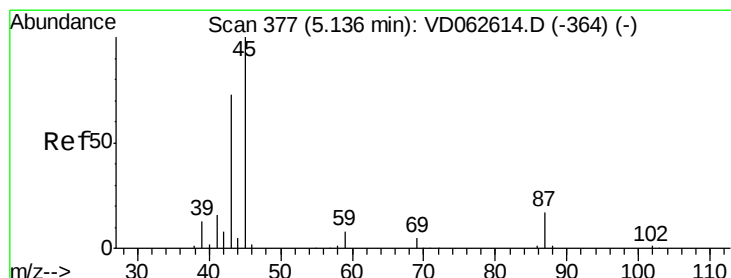
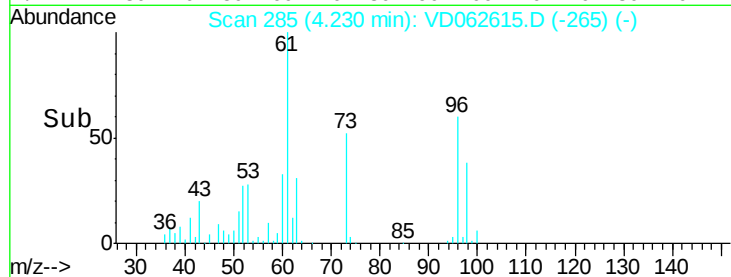
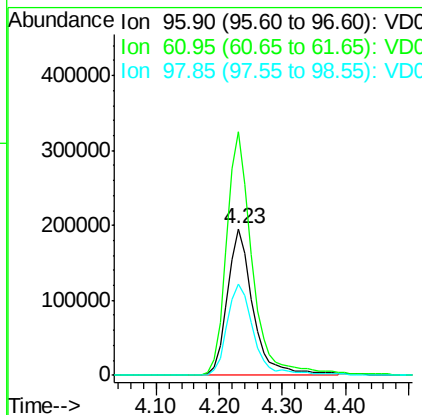
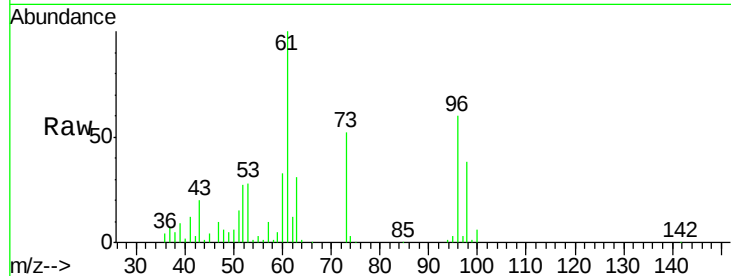
98 62.5 47.5 71.3

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#22

Diisopropyl ether

Concen: 67.736 ug/l

RT: 5.14 min Scan# 377

Delta R.T. -0.00 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Tgt Ion: 45 Resp: 1678269

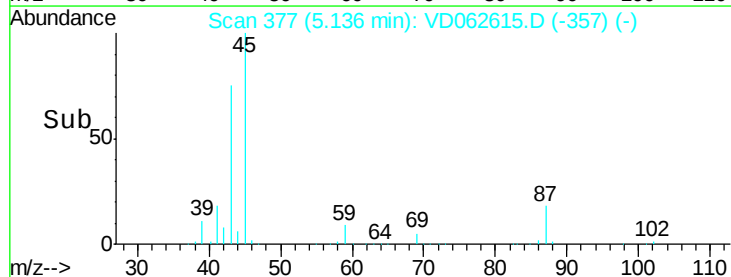
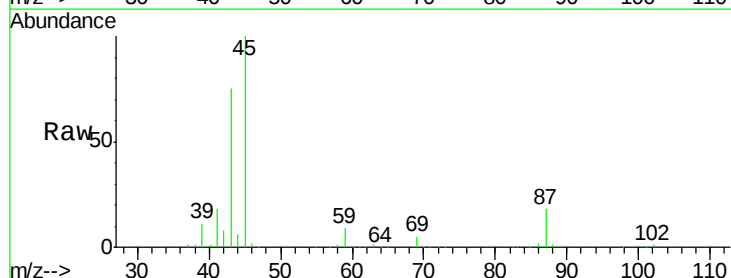
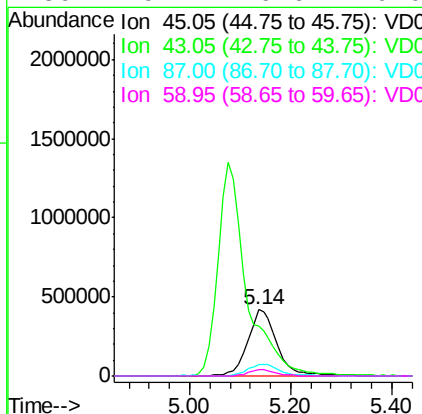
Ion Ratio Lower Upper

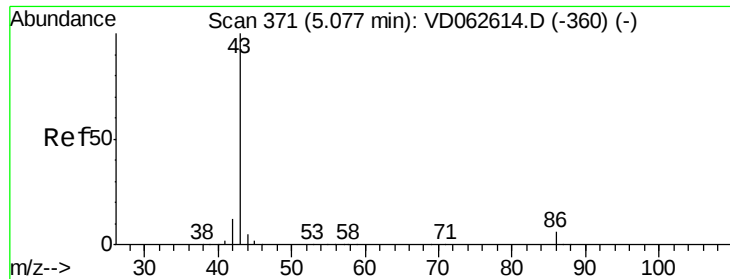
45 100

43 75.3 59.3 88.9

87 18.1 14.6 22.0

59 9.1 6.6 10.0





#23

Vinyl Acetate

Concen: 354.210 ug/l

RT: 5.08 min Scan# 371

Delta R.T. -0.00 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 5338994

Ion Ratio Lower Upper

43 100

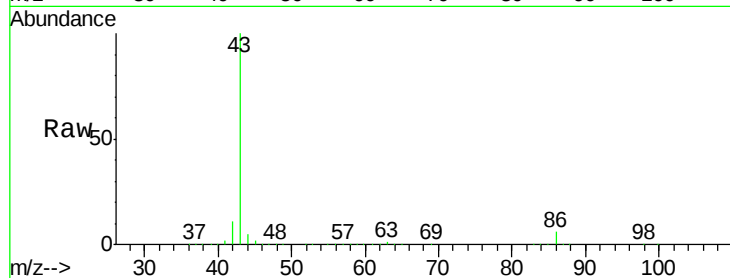
86 5.8 5.2 7.8

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.08

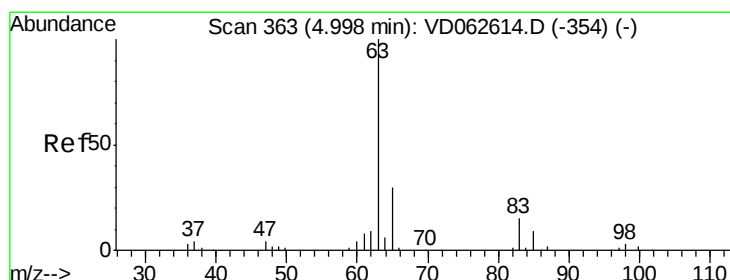
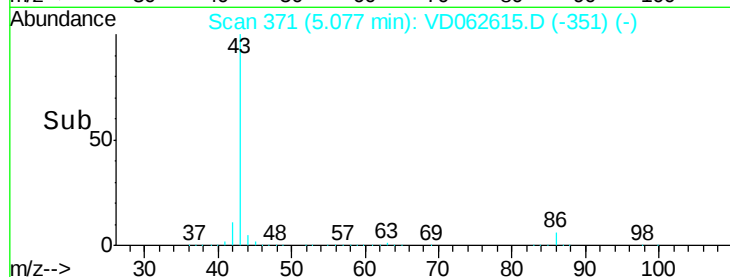
1500000

1000000

500000

0

Time-->



#24

1,1-Dichloroethane

Concen: 66.933 ug/l

RT: 5.00 min Scan# 363

Delta R.T. -0.00 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

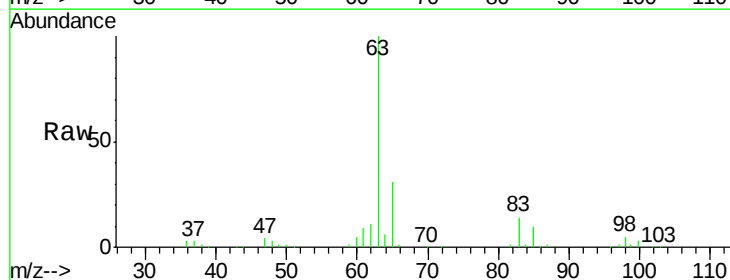
Tgt Ion: 63 Resp: 1044886

Ion Ratio Lower Upper

63 100

98 4.8 1.7 5.1

100 3.1 1.1 3.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

5.00

400000

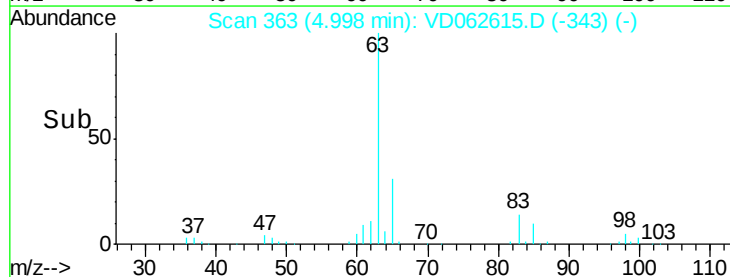
300000

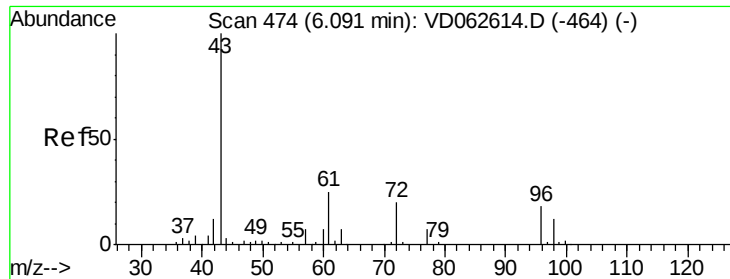
200000

100000

0

Time-->





#25

2-Butanone

Concen: 354.153 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 732680

Ion Ratio Lower Upper

43 100

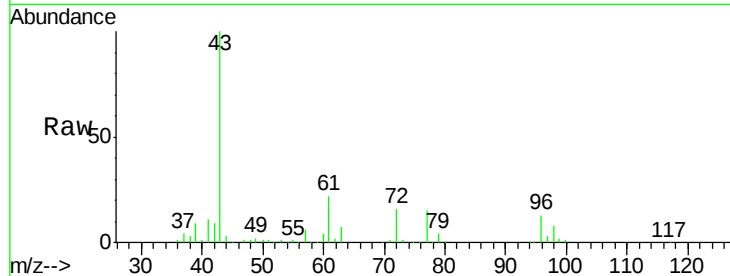
72 16.3 15.7 23.5

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.10

250000

200000

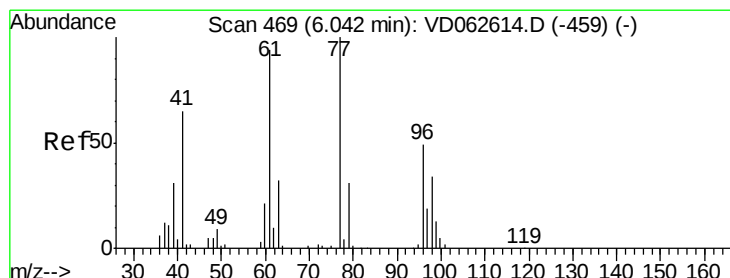
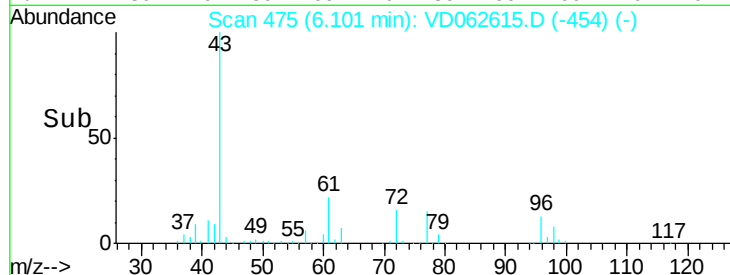
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 65.948 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD062615.D

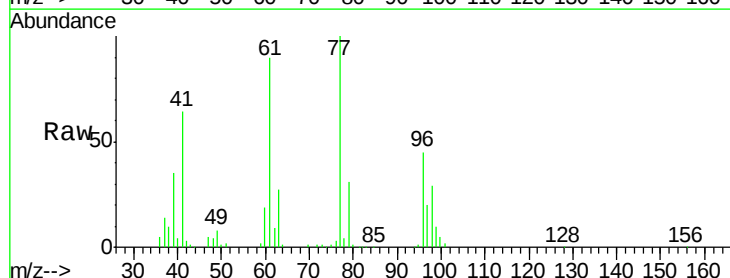
Acq: 5 Jun 2019 16:08

Tgt Ion: 77 Resp: 1124928

Ion Ratio Lower Upper

77 100

97 20.4 9.6 28.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.04

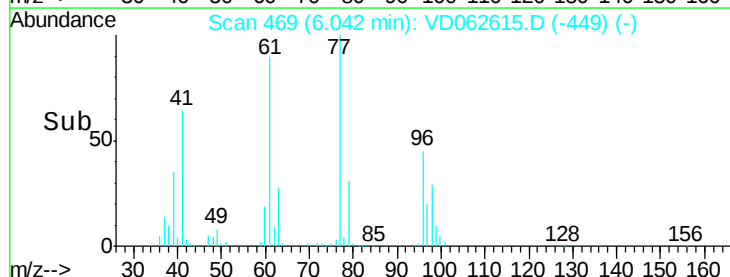
300000

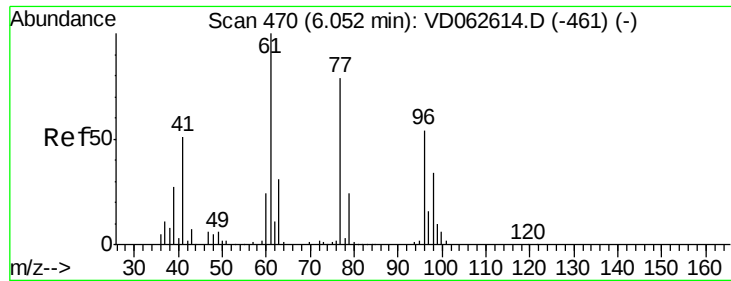
200000

100000

0

Time-->





#27

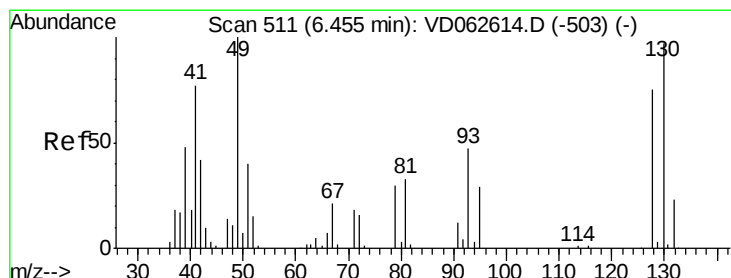
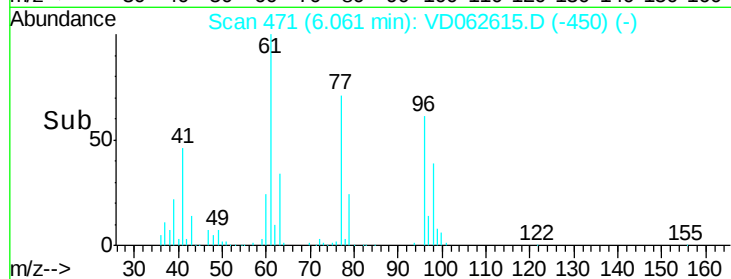
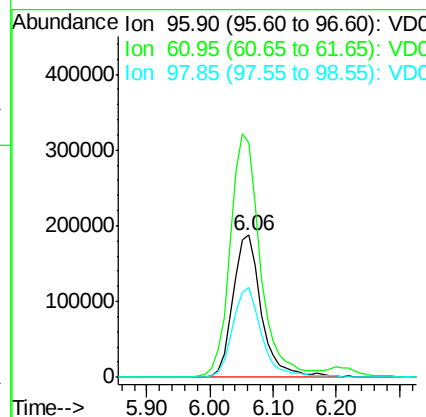
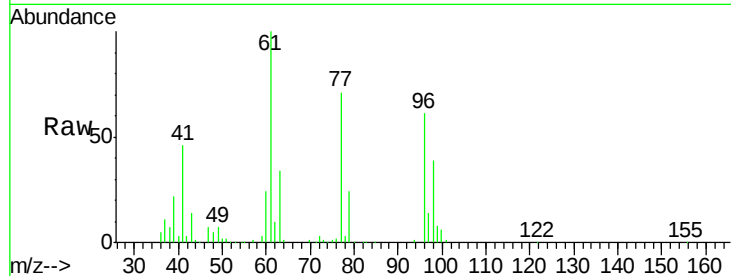
cis-1,2-Dichloroethene
 Concen: 64.834 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. 0.01 min
 Lab File: VD062615.D
 Acq: 5 Jun 2019 16:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	164.9	0.0	372.0	
98	63.8	0.0	126.4	

Manual Integrations
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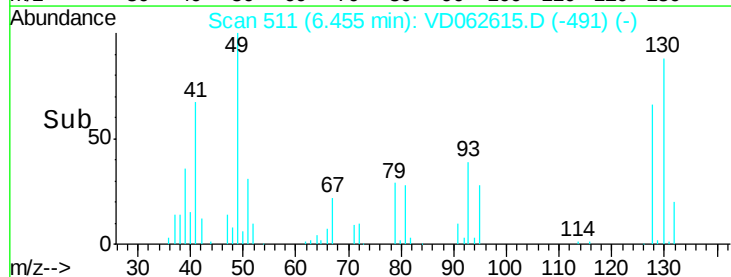
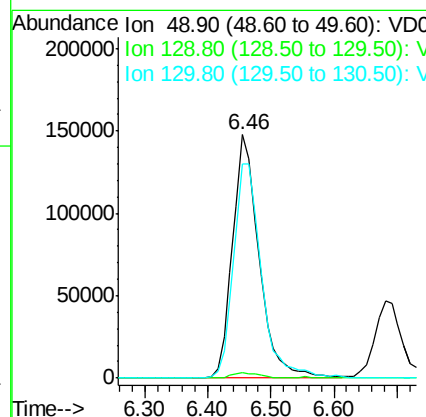
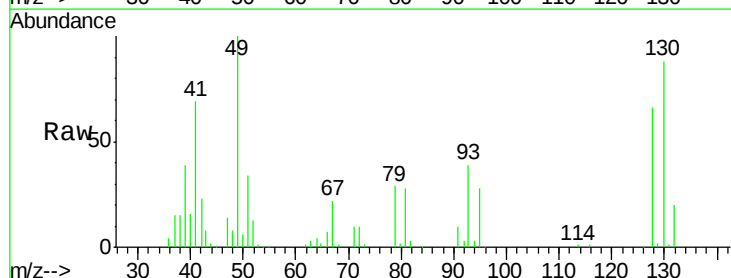
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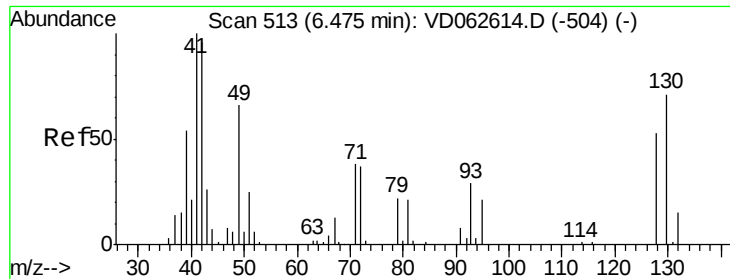


#28

Bromochloromethane
 Concen: 72.719 ug/l
 RT: 6.46 min Scan# 511
 Delta R.T. -0.00 min
 Lab File: VD062615.D
 Acq: 5 Jun 2019 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	6.4	
130	88.1	77.6	116.4	





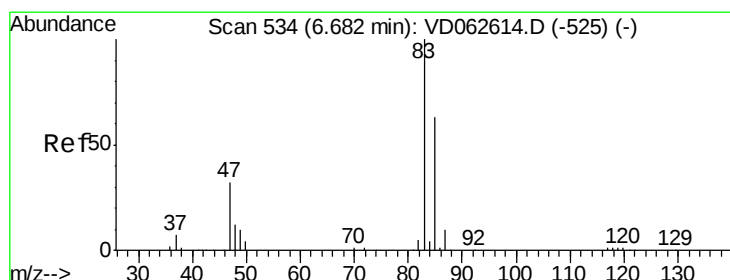
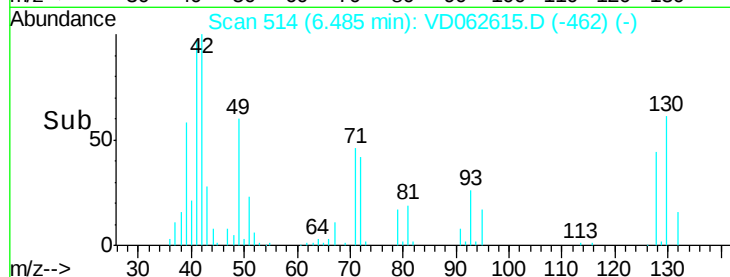
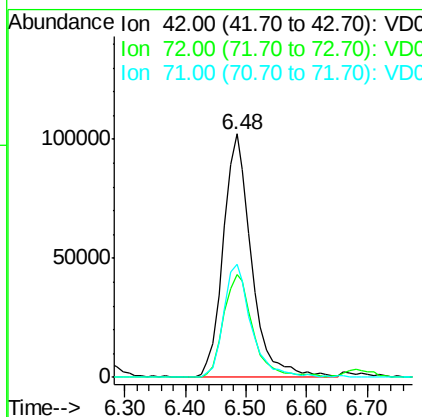
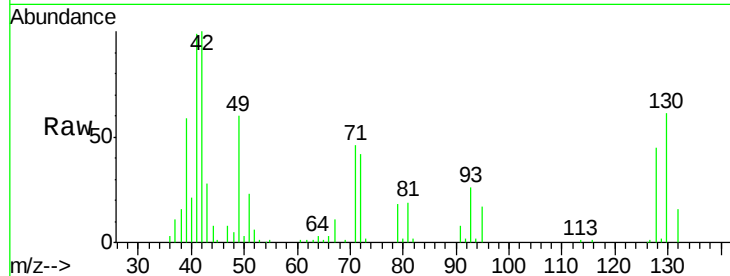
#29
Tetrahydrofuran
Concen: 345.787 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.01 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	32.5	48.7
71	45.4	35.0	52.4

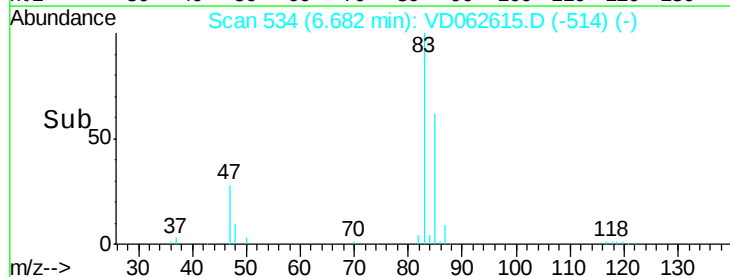
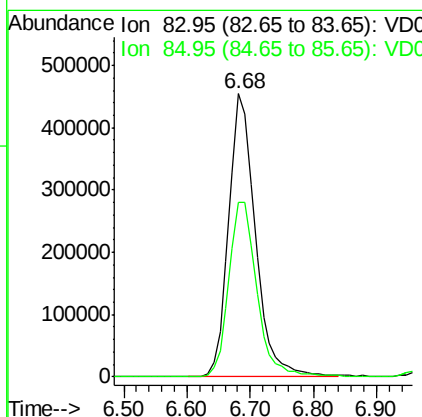
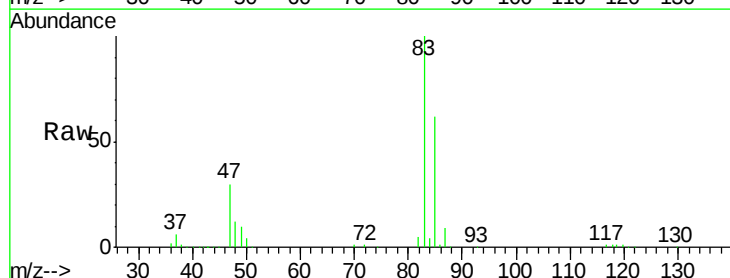
Manual Integrations
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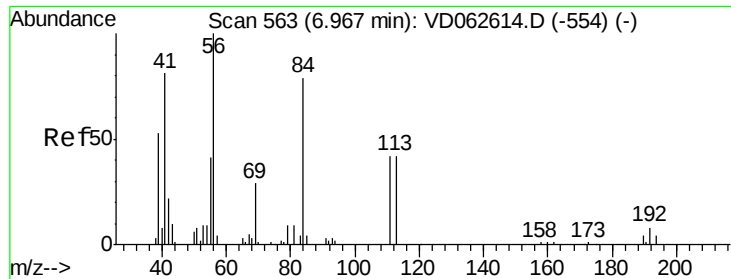
MMDadoda
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#30
Chloroform
Concen: 68.726 ug/l
RT: 6.68 min Scan# 534
Delta R.T. -0.00 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.5	50.4	75.6





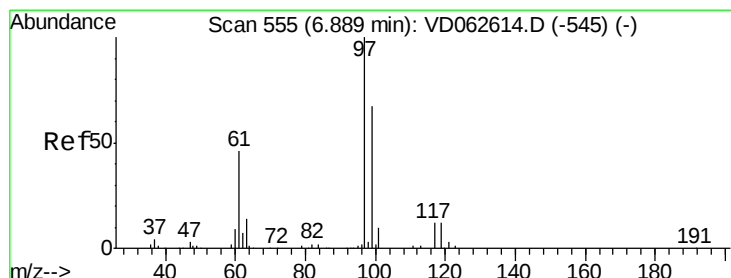
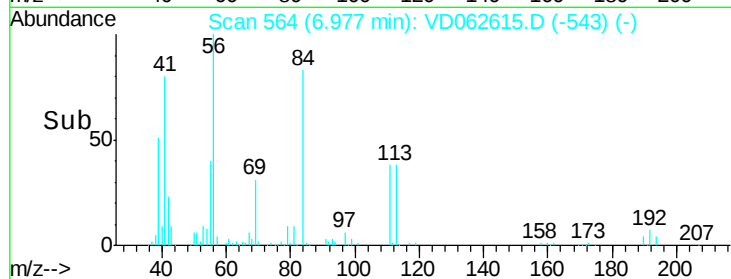
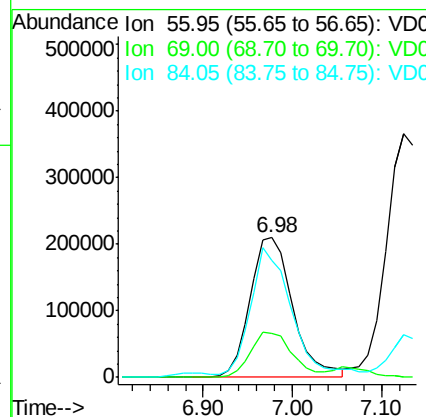
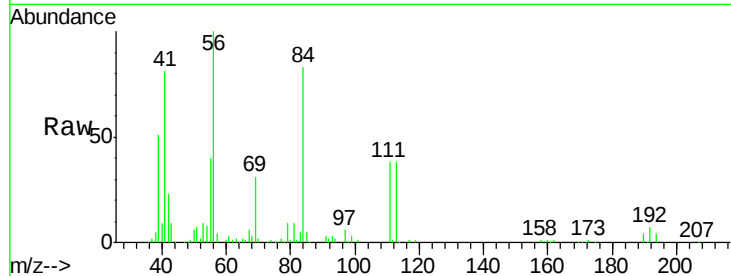
#31
Cyclohexane
Concen: 69.756 ug/l
RT: 6.98 min Scan# 564
Delta R.T. 0.01 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	23.0	34.4
84	83.4	66.0	99.0

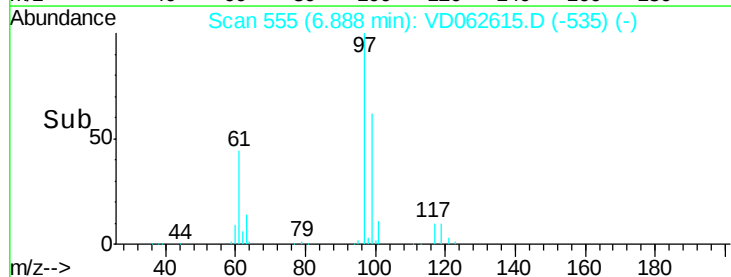
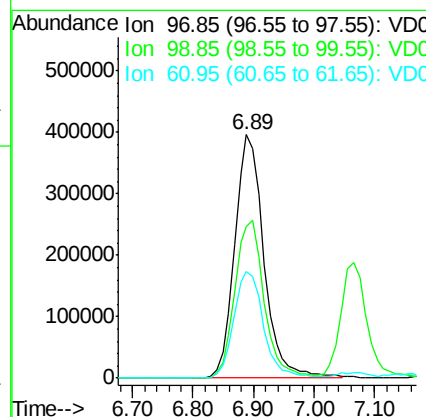
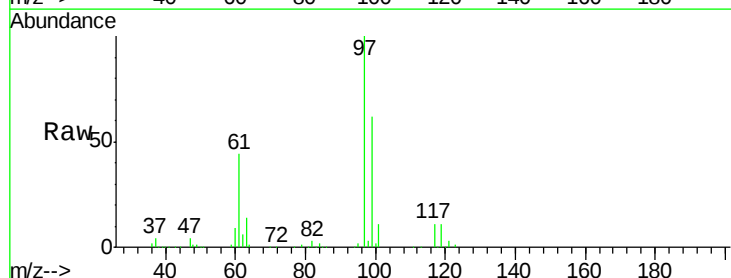
Manual Integrations
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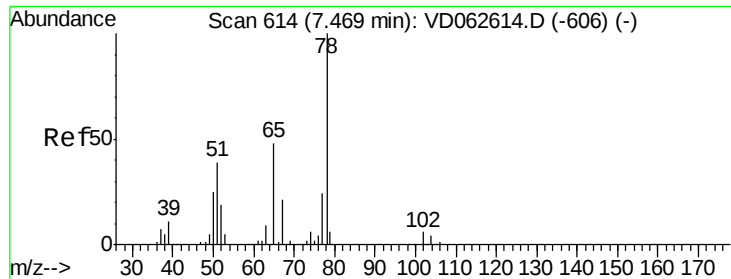
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 67.322 ug/l
RT: 6.89 min Scan# 555
Delta R.T. -0.00 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.1	53.4	80.0
61	44.0	36.7	55.1





#33

1,2-Dichloroethane-d4

Concen: 71.142 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.01 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 65 Resp: 862156

Ion Ratio Lower Upper

65 100

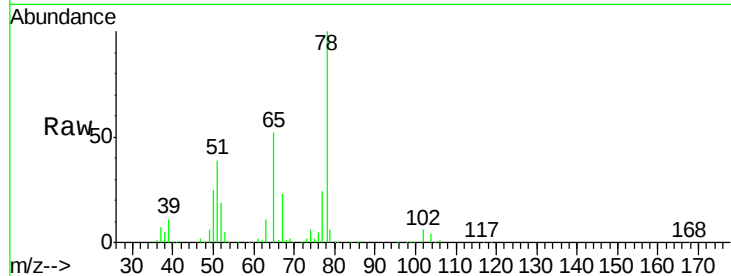
67 44.3 0.0 86.2

Manual Integrations

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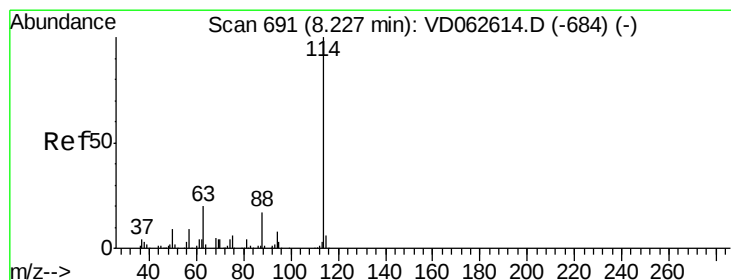
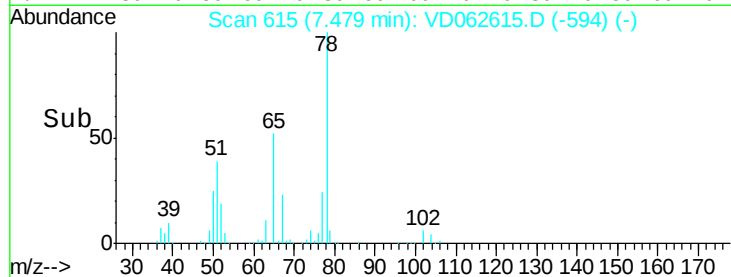
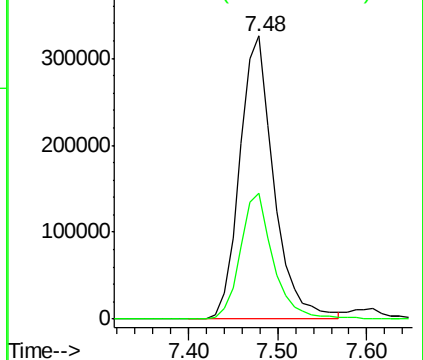
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

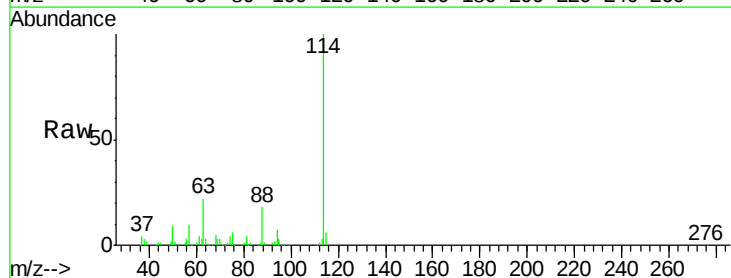
Tgt Ion: 114 Resp: 1154863

Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.0

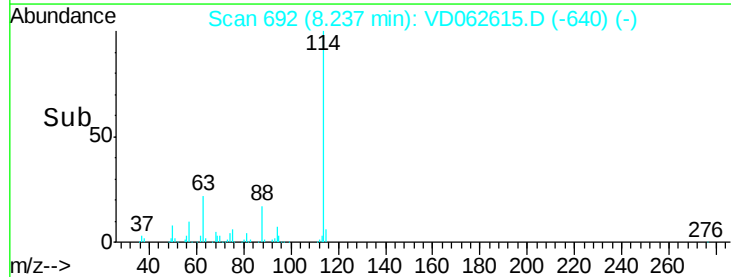
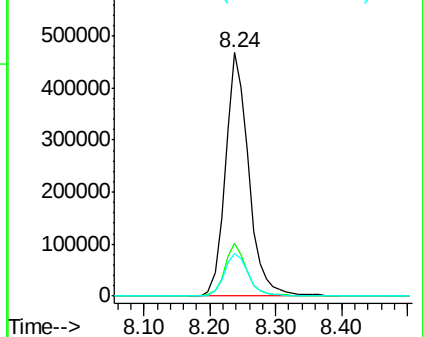
88 17.6 0.0 34.2

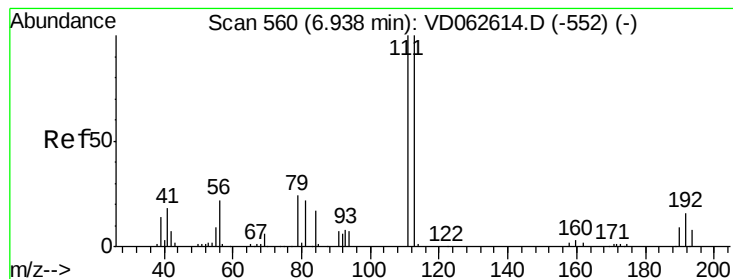


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 72.872 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Instrument :

MSVOA_D

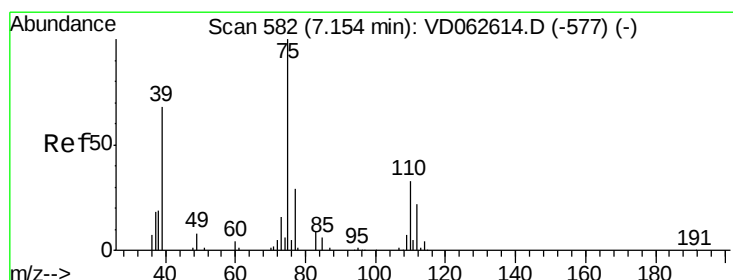
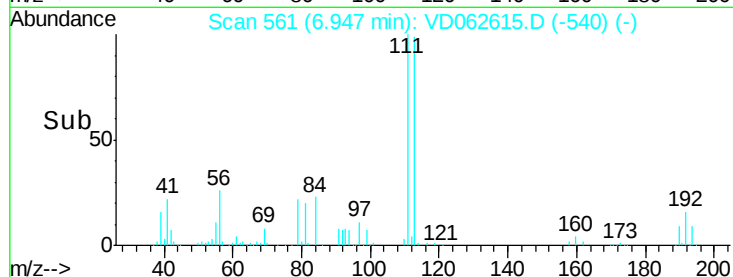
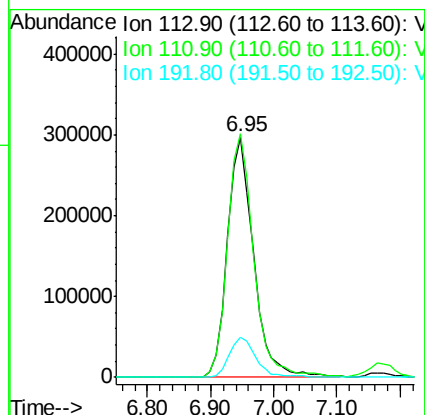
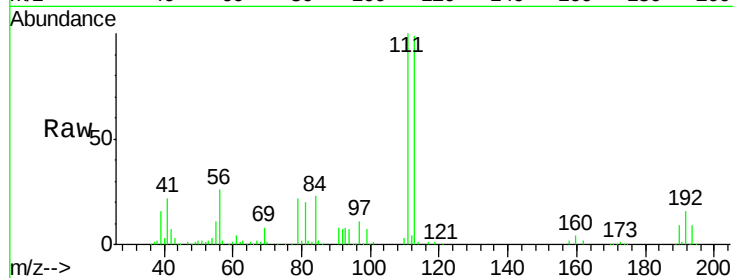
ClientSampleId :

VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
113	100	855331		
111	101.4	80.1	120.1	
192	16.6	13.0	19.6	

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#36

1,1-Dichloropropene

Concen: 70.924 ug/l

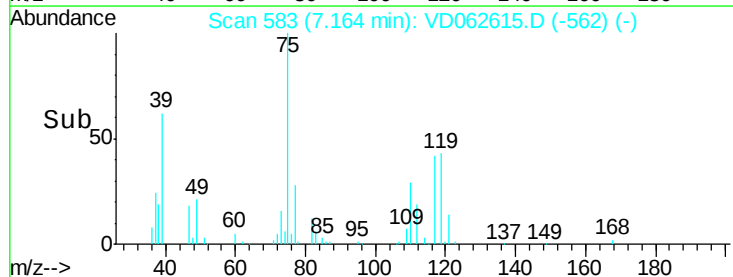
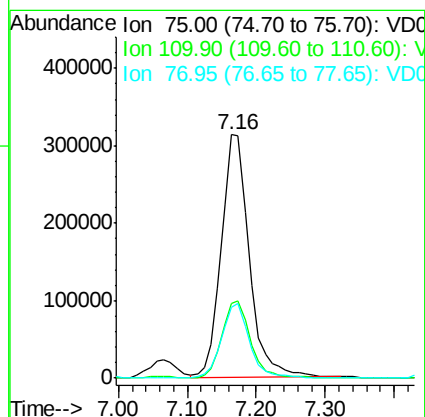
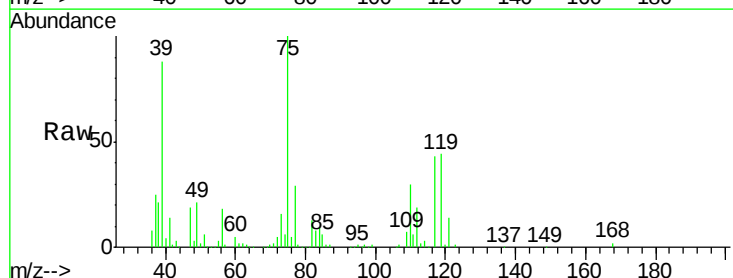
RT: 7.16 min Scan# 583

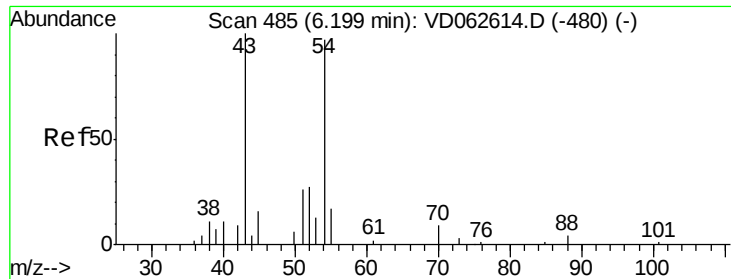
Delta R.T. 0.01 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	880640		
110	30.5	16.5	49.5	
77	29.0	23.3	34.9	





#37

Ethyl Acetate

Concen: 70.967 ug/l

RT: 6.21 min Scan# 486

Delta R.T. 0.01 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Instrument :

MSVOA_D

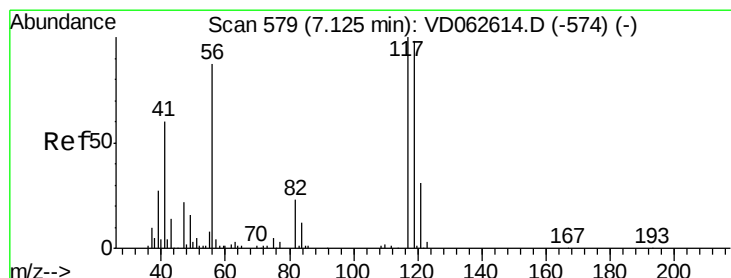
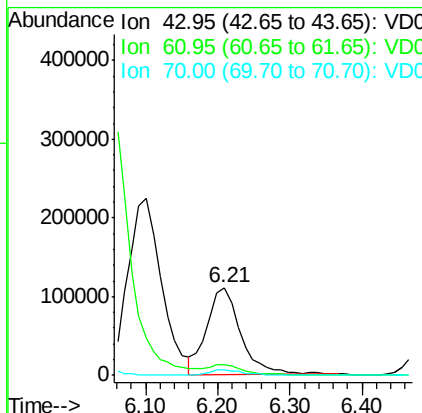
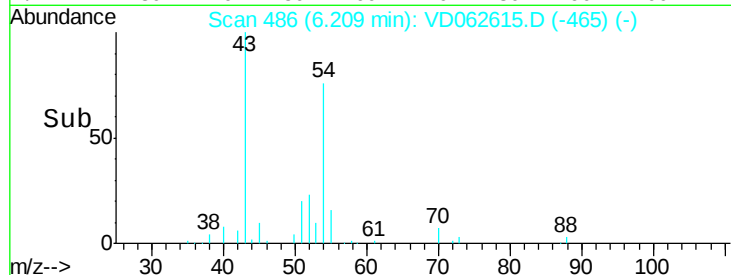
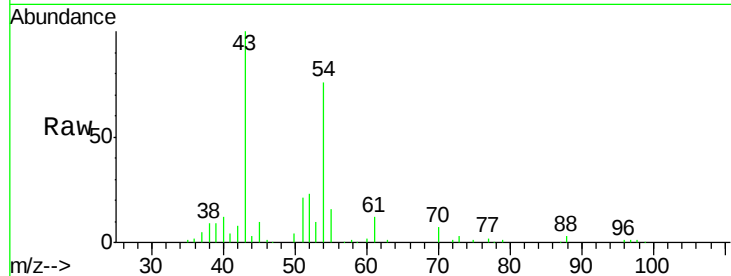
ClientSampleId :

VSTDIC075

Tot Ion:	43	Resp:	355590
Ion	Ratio	Lower	Upper
43	100		
61	11.8	8.8	13.2
70	6.9	5.6	8.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 72.764 ug/l m

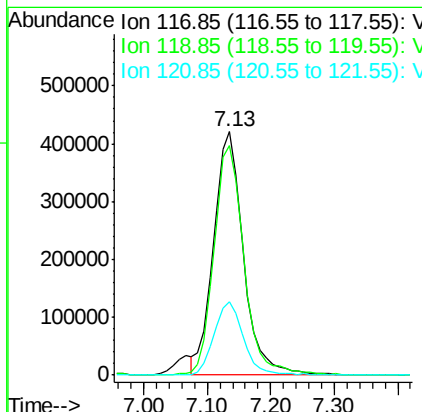
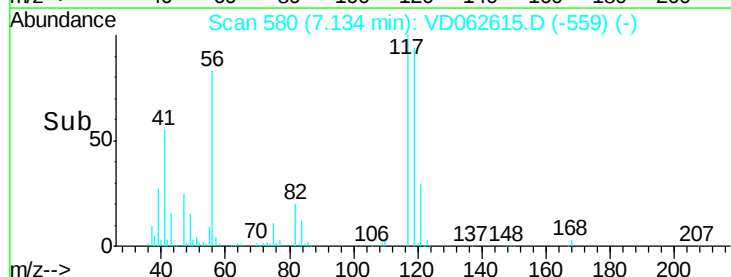
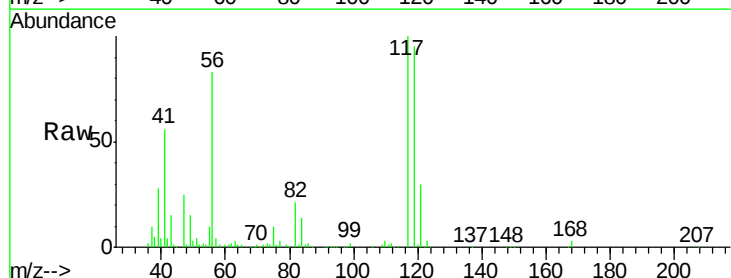
RT: 7.13 min Scan# 580

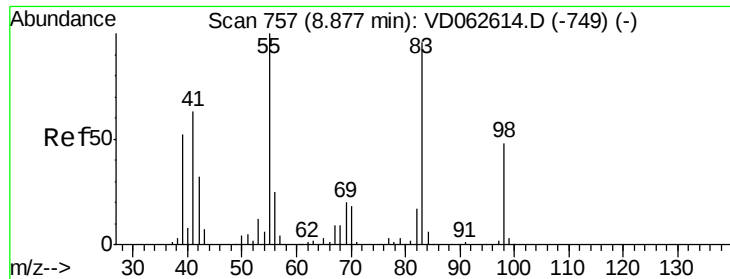
Delta R.T. 0.01 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Tgt Ion:	117	Resp:	1369496
Ion	Ratio	Lower	Upper
117	100		
119	94.5	74.1	111.1
121	30.2	23.5	35.3





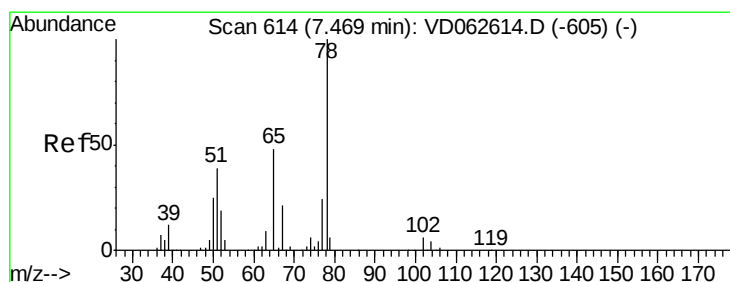
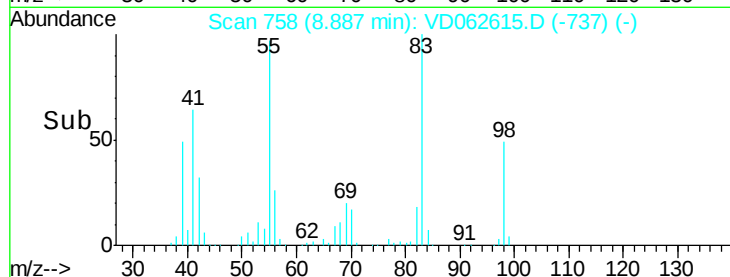
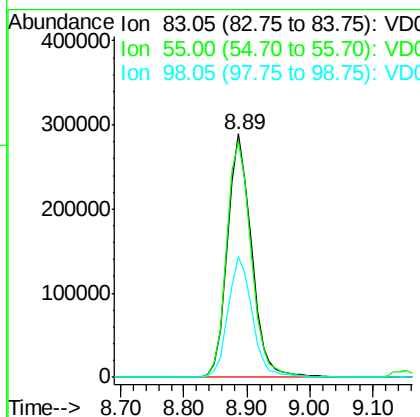
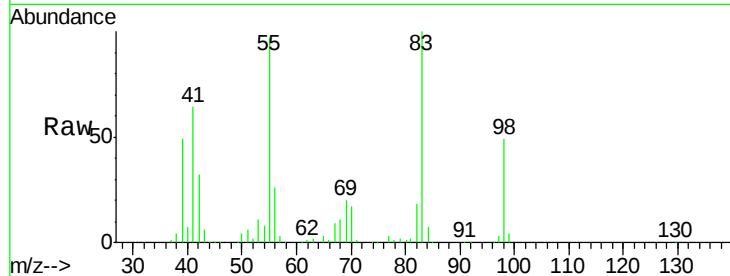
#39
Methvlcvclohexane
Concen: 71.982 ug/l
RT: 8.89 min Scan# 758
Delta R.T. 0.01 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
83	100		
55	97.1	83.2	124.8
98	49.5	39.8	59.8

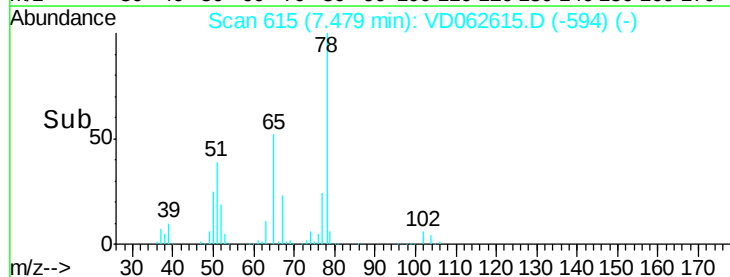
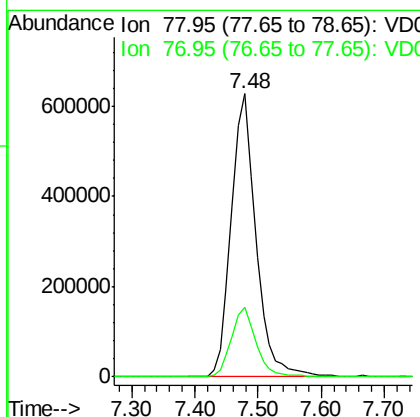
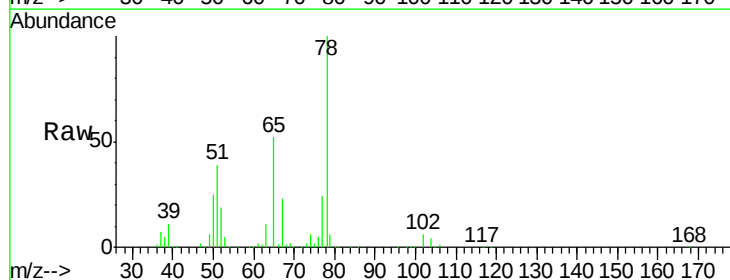
Manual Integrations
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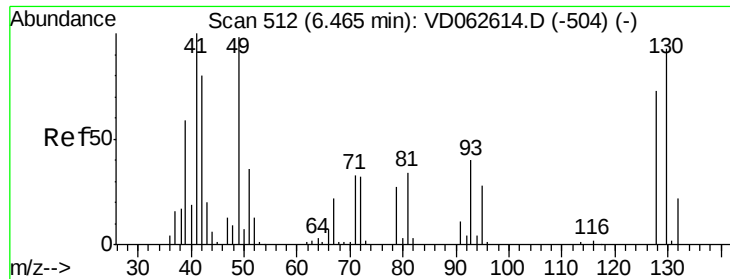
MMDadoda
6/6/2019 12:21:24 PM



#40
Benzene
Concen: 69.488 ug/l
RT: 7.48 min Scan# 615
Delta R.T. 0.01 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.5	29.3





#41

Methacrylonitrile

Concen: 72.616 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Instrument :

MSVOA_D

ClientSampleId :

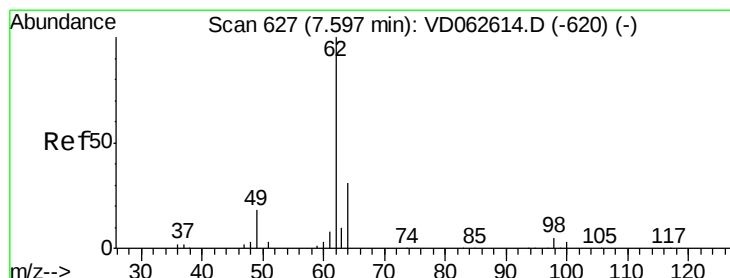
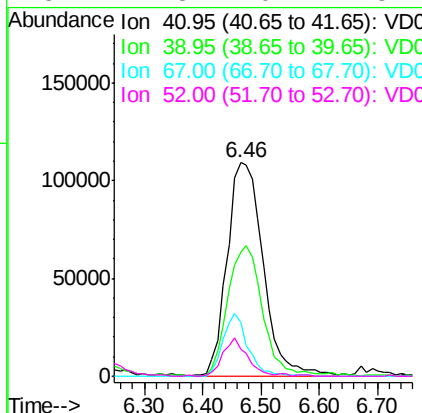
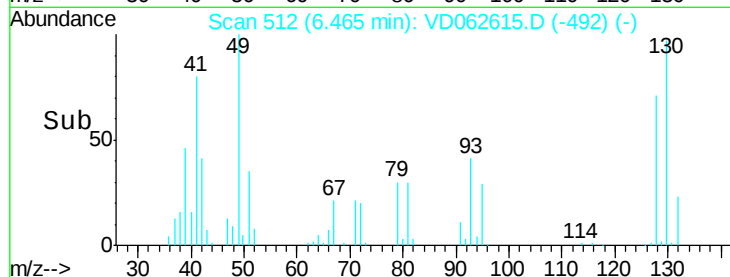
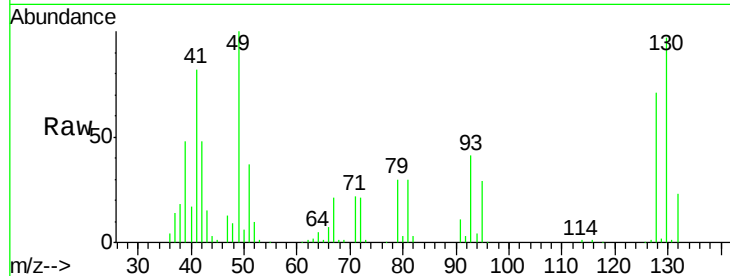
VSTDIC075

Tot Ion: 41 Resp: 471185

Ion	Ratio	Lower	Upper
41	100		
39	58.4	47.5	71.3
67	25.2	17.8	26.6
52	12.8	10.2	15.4

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 68.434 ug/l

RT: 7.61 min Scan# 628

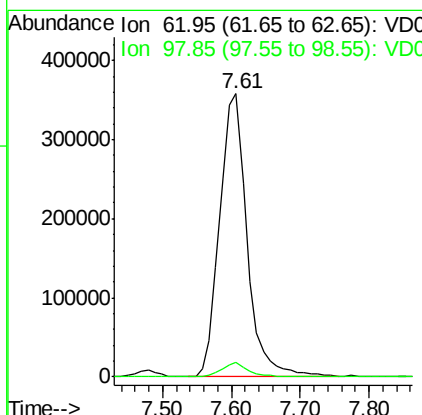
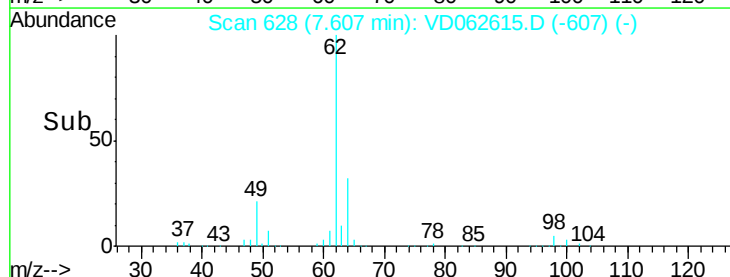
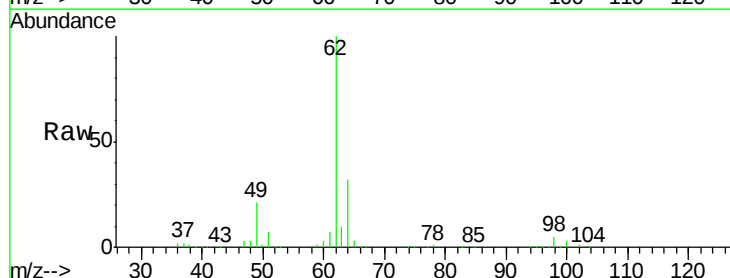
Delta R.T. 0.01 min

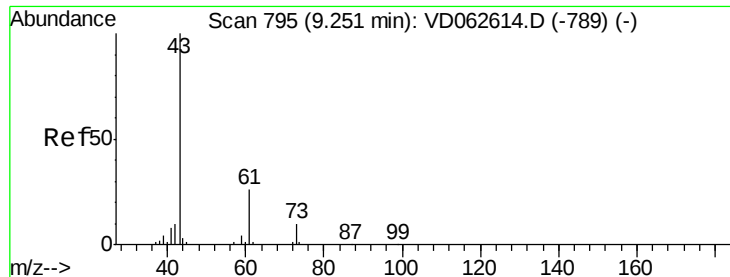
Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Tgt Ion: 62 Resp: 987833

Ion	Ratio	Lower	Upper
62	100		
98	5.1	0.0	10.2





#43

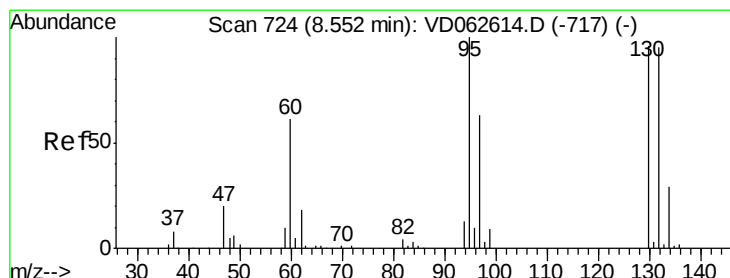
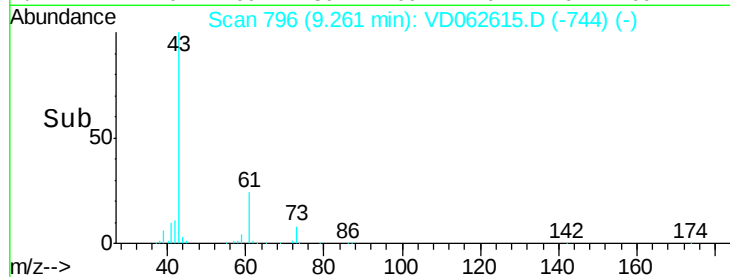
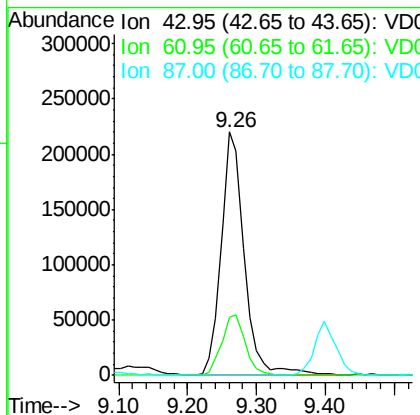
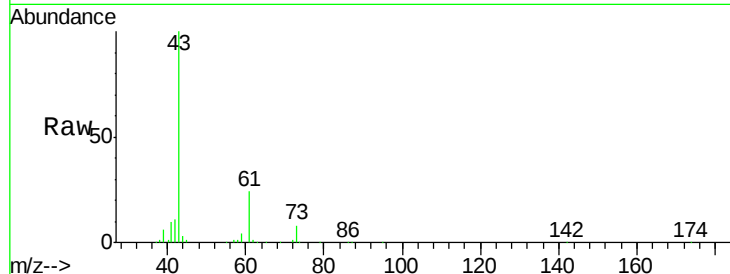
Isopropyl Acetate
 Concen: 74.385 ug/l
 RT: 9.26 min Scan# 796
 Delta R.T. 0.01 min
 Lab File: VD062615.D
 Acq: 5 Jun 2019 16:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.8	21.0	31.6
87	0.4	0.2	0.4

Manual Integrations
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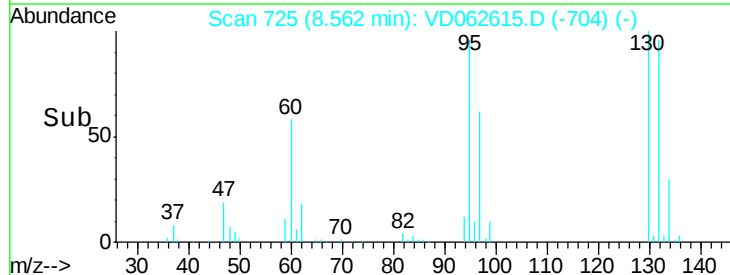
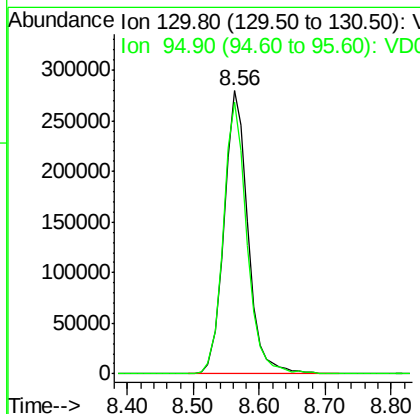
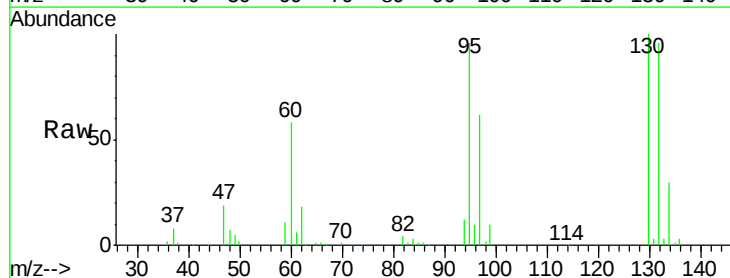
MMDadoda
 6/6/2019 12:21:24 PM

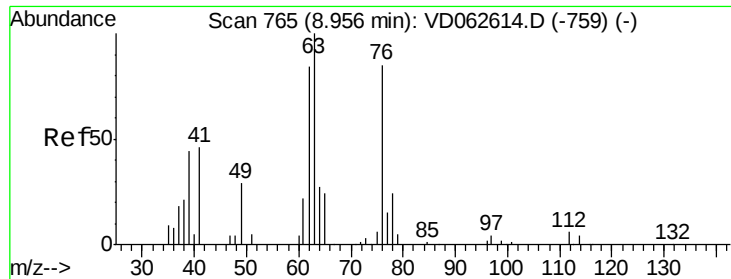


#44

Trichloroethene
 Concen: 71.340 ug/l
 RT: 8.56 min Scan# 725
 Delta R.T. 0.01 min
 Lab File: VD062615.D
 Acq: 5 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	208.2





#45

1,2-Dichloropropane

Concen: 69.152 ug/l

RT: 8.97 min Scan# 766

Delta R.T. 0.01 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 63 Resp: 424650

Ion Ratio Lower Upper

63 100

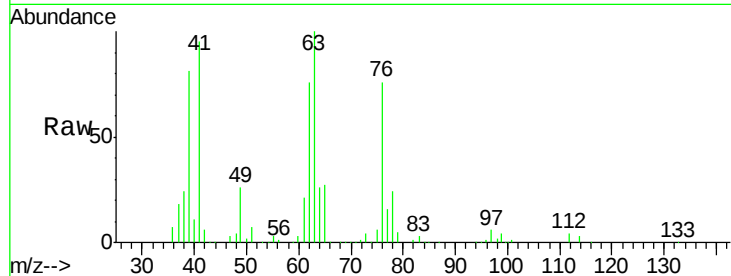
65 27.3 21.7 32.5

Manual Integrations

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6/6/2019 12:21:24 PM



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.97

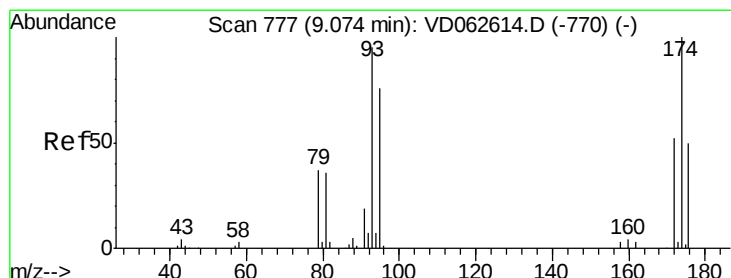
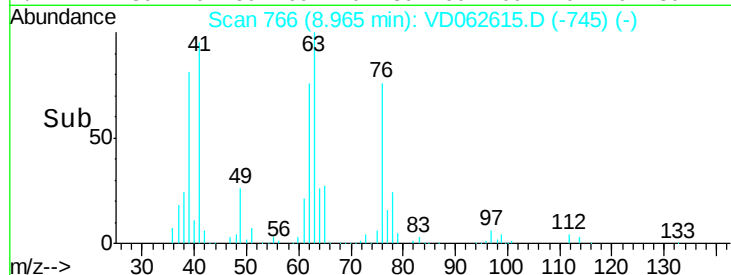
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 71.695 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.01 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

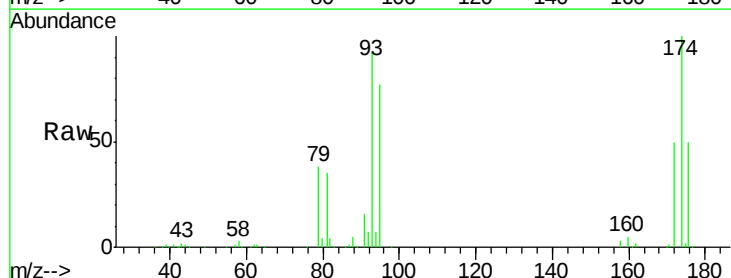
Tgt Ion: 93 Resp: 383025

Ion Ratio Lower Upper

93 100

95 83.4 64.2 96.2

174 108.4 84.1 126.1



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

9.08

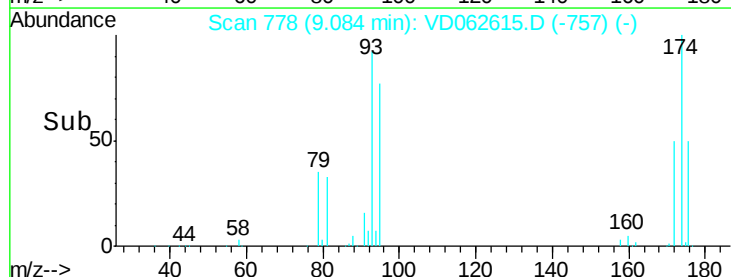
150000

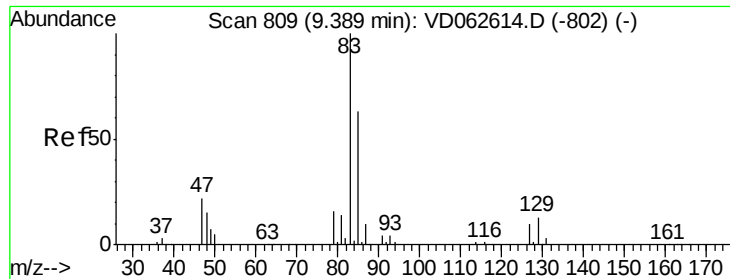
100000

50000

0

Time-->





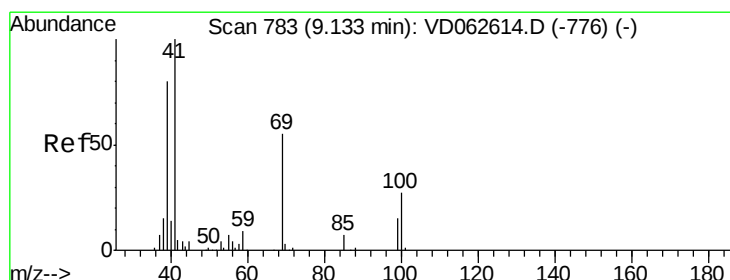
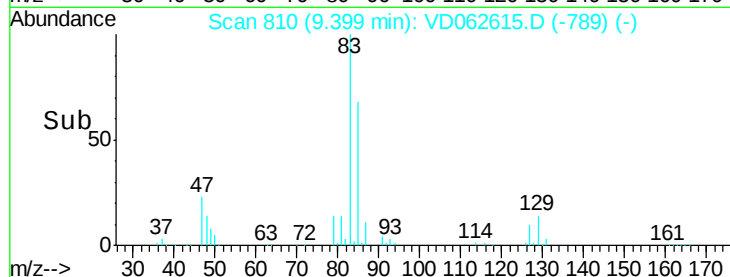
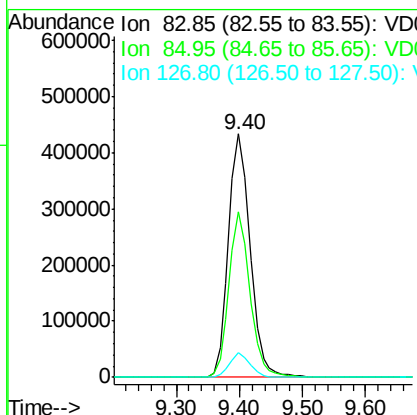
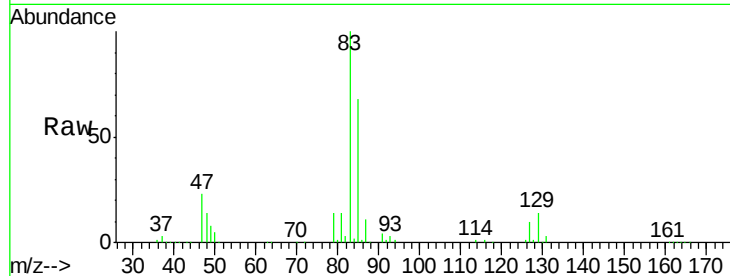
#47
Bromodichloromethane
Concen: 71.947 ug/l
RT: 9.40 min Scan# 810
Delta R.T. 0.01 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 83 Resp: 1035286
Ion Ratio Lower Upper
83 100
85 67.9 50.2 75.4
127 10.2 7.9 11.9

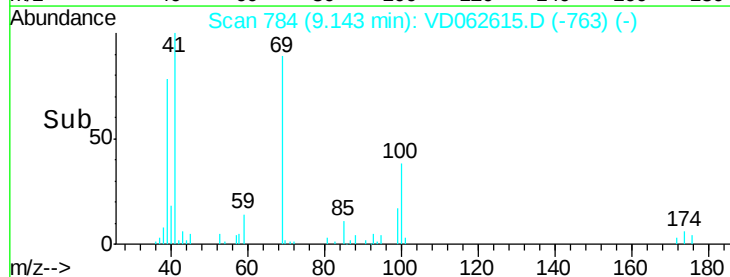
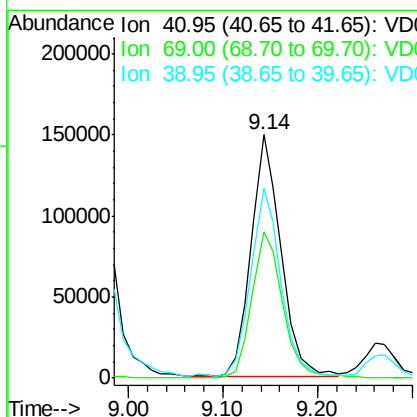
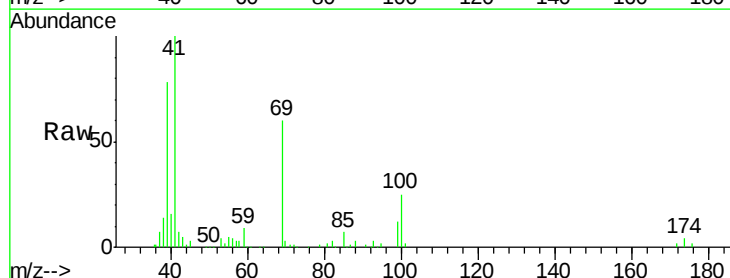
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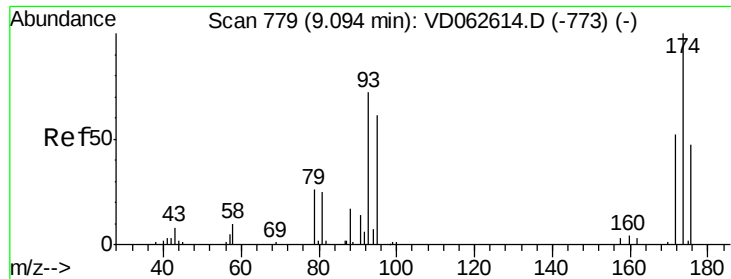
MMDadoda
6/6/2019 12:21:24 PM



#48
Methyl methacrylate
Concen: 69.571 ug/l
RT: 9.14 min Scan# 784
Delta R.T. 0.01 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Tgt Ion: 41 Resp: 325844
Ion Ratio Lower Upper
41 100
69 59.9 43.8 65.8
39 78.1 64.0 96.0





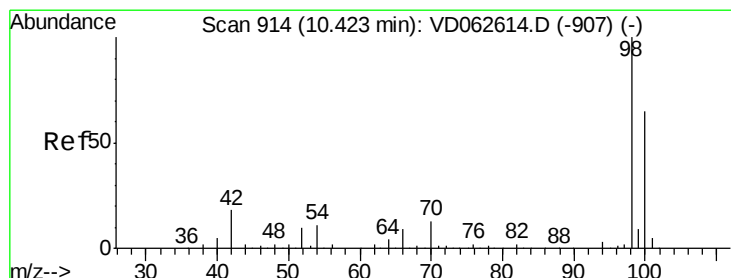
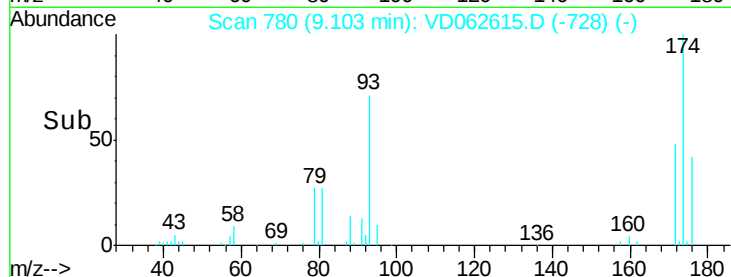
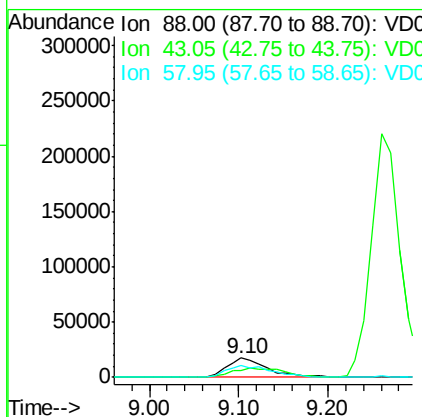
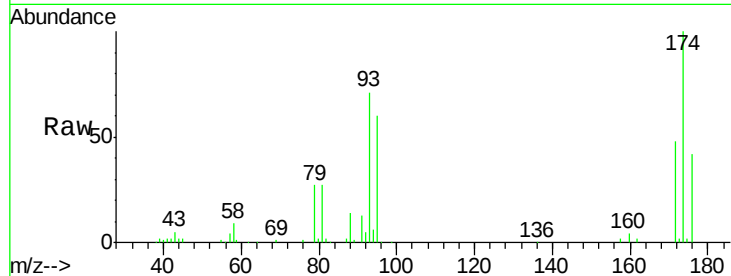
#49
1,4-Dioxane
Concen: 1496.314 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.01 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	39.3	58.9#
58	61.0	45.3	67.9

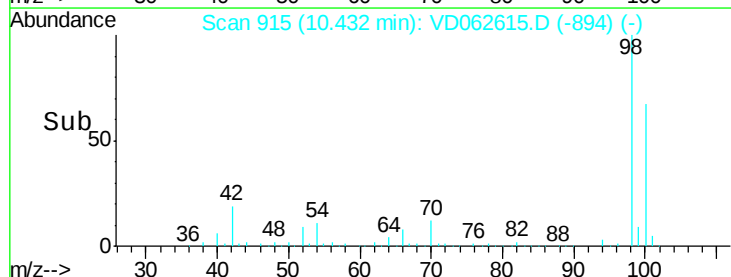
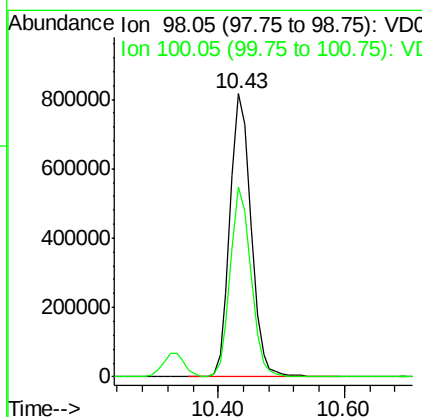
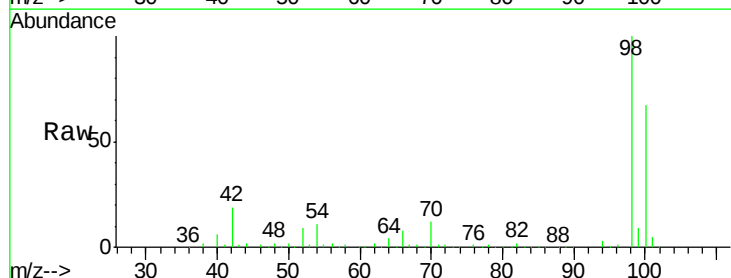
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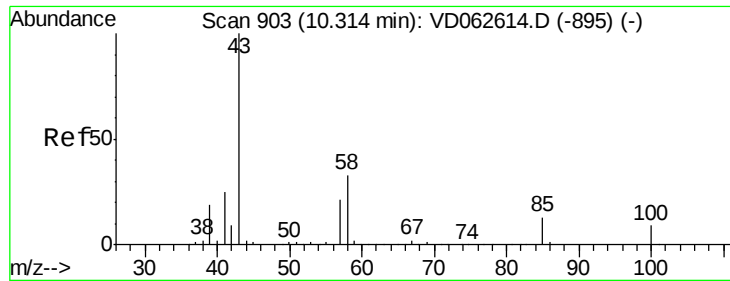
MMDadoda
6/6/2019 12:21:24 PM



#50
Toluene-d8
Concen: 74.426 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 362.884 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.01 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 1627284

Ion Ratio Lower Upper

43 100

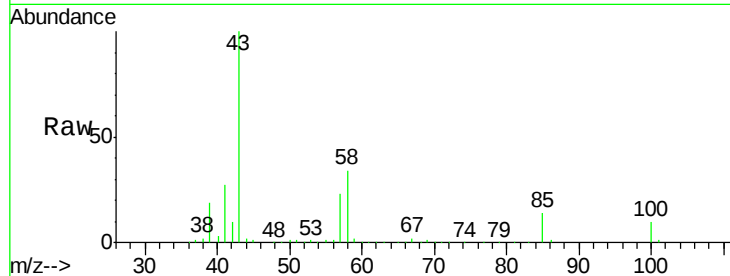
58 34.5 26.8 40.2

Manual Integrations

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6/6/2019 12:21:24 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.32

800000

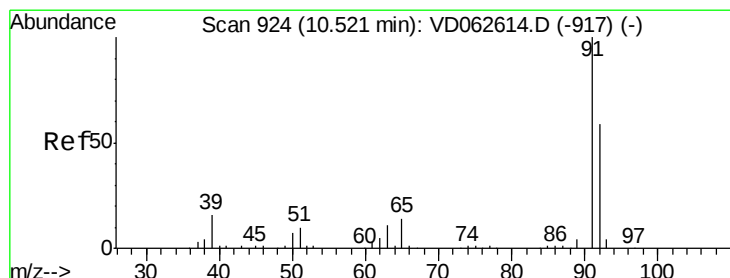
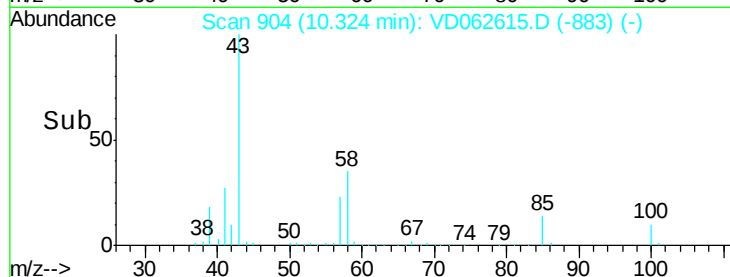
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 73.555 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.01 min

Lab File: VD062615.D

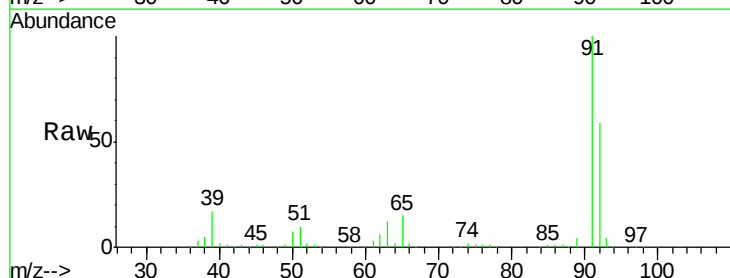
Acq: 5 Jun 2019 16:08

Tgt Ion: 92 Resp: 1196434

Ion Ratio Lower Upper

92 100

91 168.3 134.7 202.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.53

1000000

800000

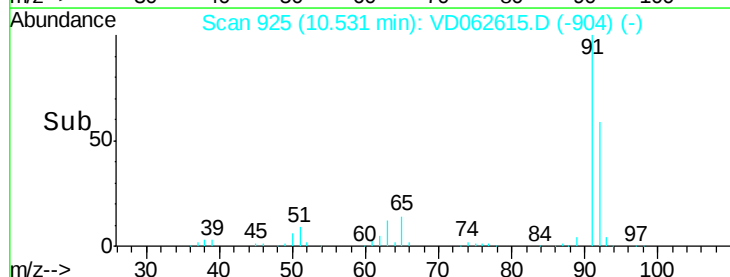
600000

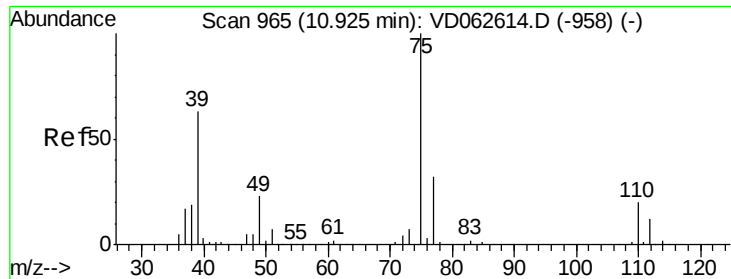
400000

200000

0

Time-->





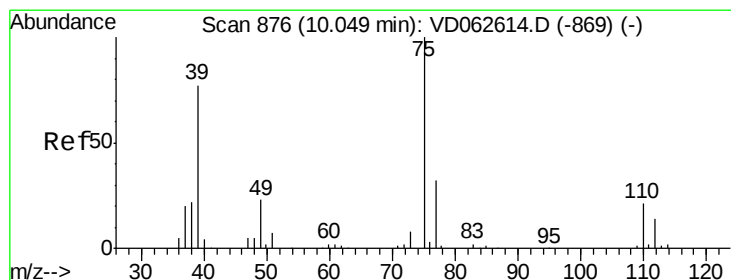
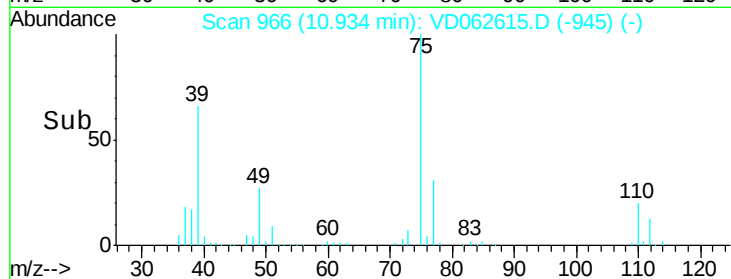
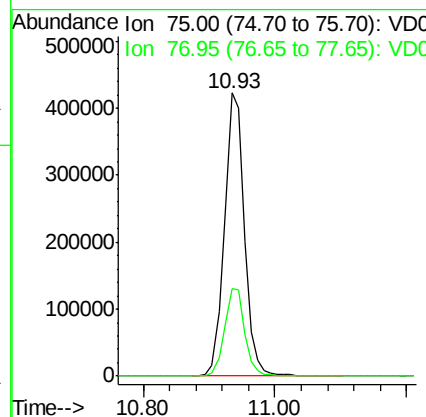
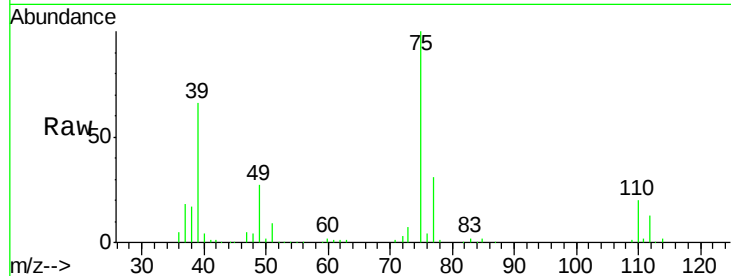
#53
t-1,3-Dichloropropene
Concen: 74.694 ug/l
RT: 10.93 min Scan# 966
Delta R.T. 0.01 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 75 Resp: 892438
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.2

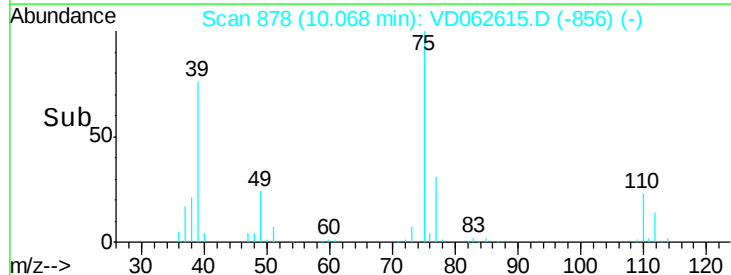
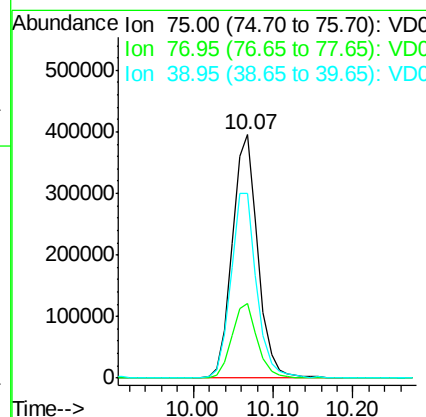
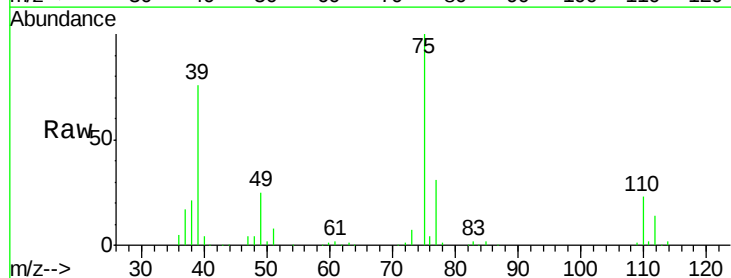
Manual Integrations
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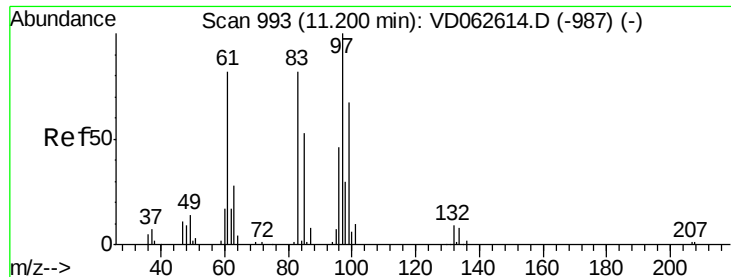
MMDadoda
6/6/2019 12:21:24 PM



#54
cis-1,3-Dichloropropene
Concen: 73.259 ug/l
RT: 10.07 min Scan# 878
Delta R.T. 0.02 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Tgt Ion: 75 Resp: 891339
Ion Ratio Lower Upper
75 100
77 30.7 25.6 38.4
39 76.0 61.2 91.8





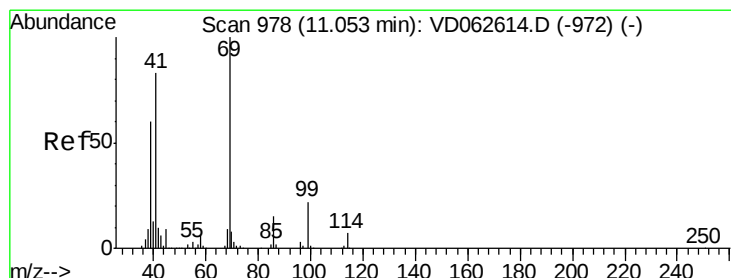
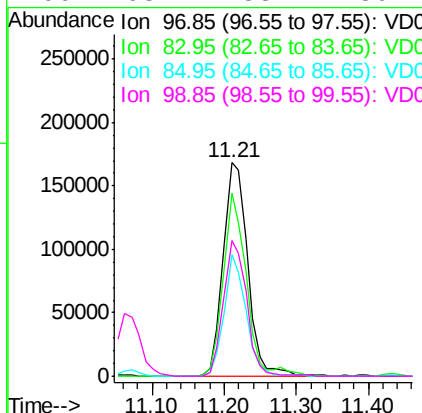
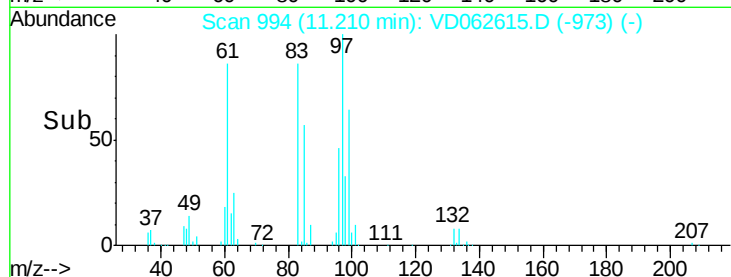
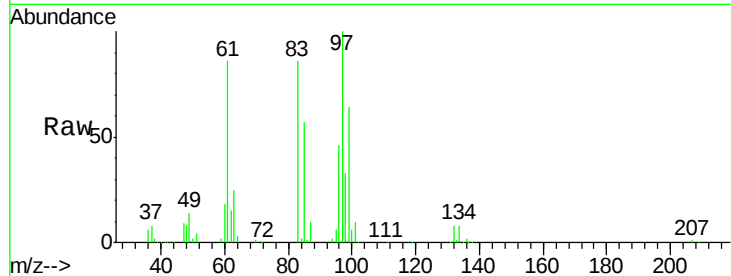
#55
 1,1,2-Trichloroethane
 Concen: 71.525 ug/l
 RT: 11.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VD062615.D
 Acq: 5 Jun 2019 16:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		399144		
83	85.6	65.9	98.9		
85	56.7	42.6	63.8		
99	63.7	53.4	80.2		

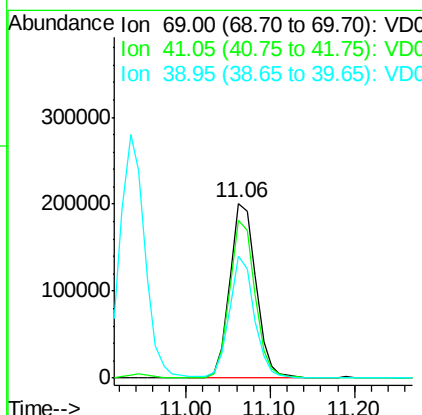
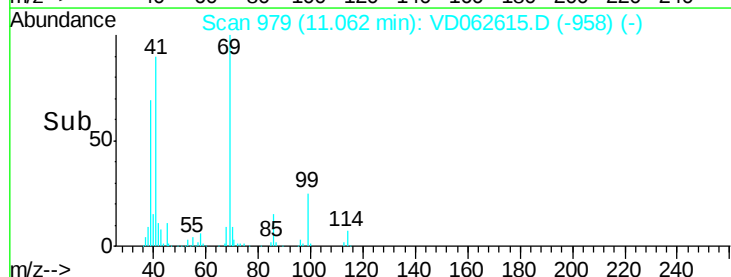
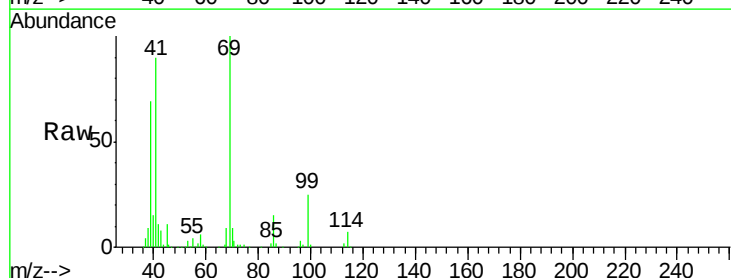
Manual Integrations
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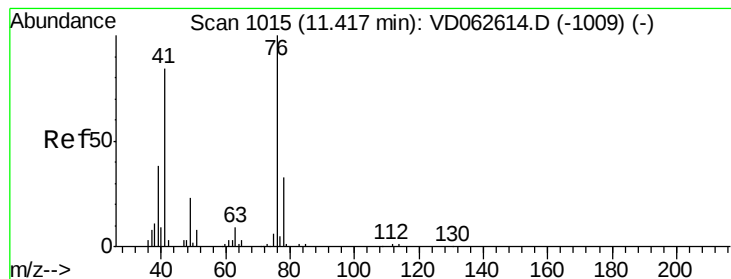
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 6/6/2019 12:21:24 PM



#56
 Ethyl methacrylate
 Concen: 70.525 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VD062615.D
 Acq: 5 Jun 2019 16:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		438626		
41	90.1	66.3	99.5		
39	69.5	48.3	72.5		





#57

1,3-Dichloropropane

Concen: 71.536 ug/l

RT: 11.44 min Scan# 1017

Delta R.T. 0.02 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 623273

Ion Ratio Lower Upper

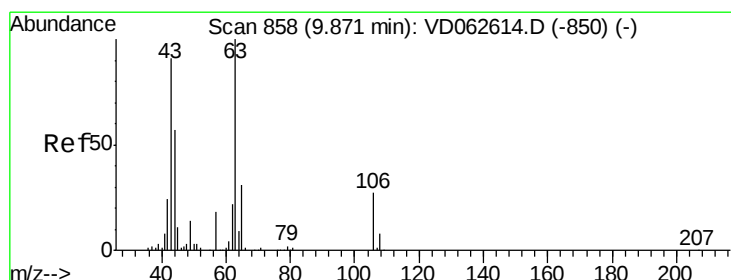
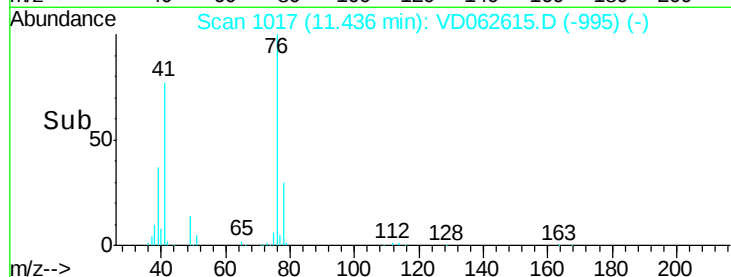
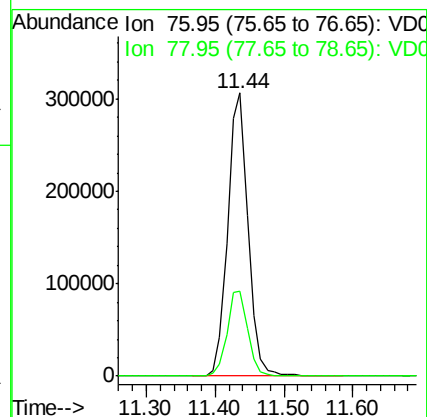
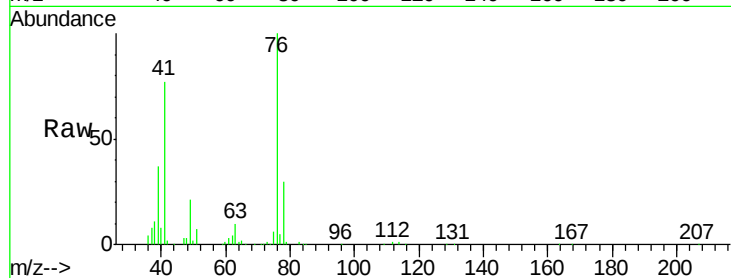
76 100

78 30.1 26.4 39.6

Manual Integrations
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MMDadoda

6/6/2019 12:21:24 PM



#58

2-Chloroethyl Vinyl ether

Concen: 324.136 ug/l

RT: 9.88 min Scan# 859

Delta R.T. 0.01 min

Lab File: VD062615.D

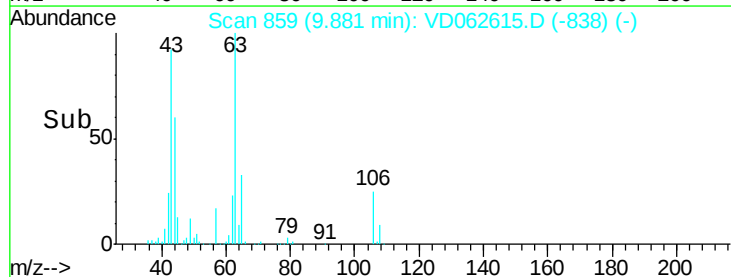
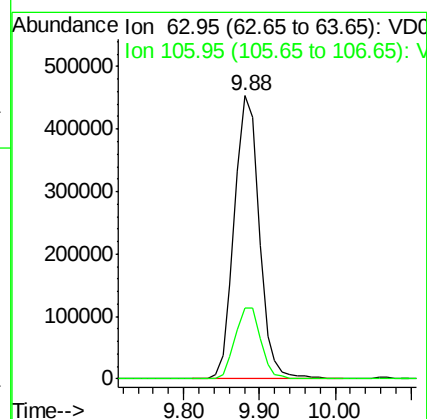
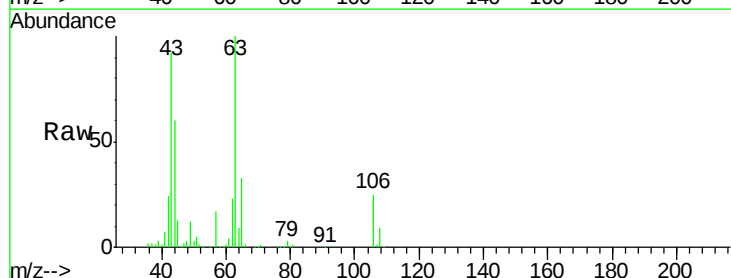
Acq: 5 Jun 2019 16:08

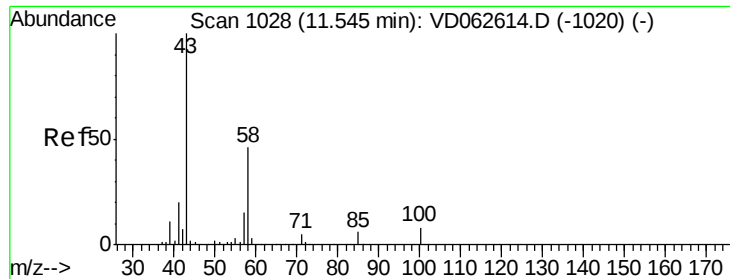
Tgt Ion: 63 Resp: 1033958

Ion Ratio Lower Upper

63 100

106 25.2 21.3 31.9





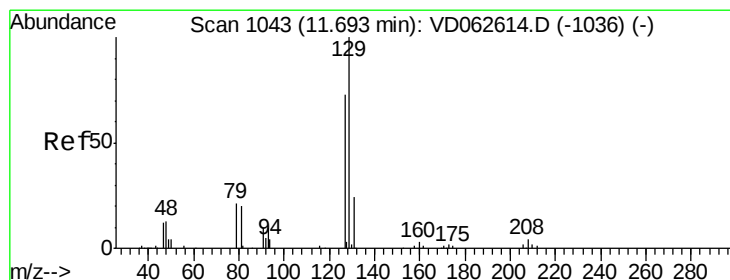
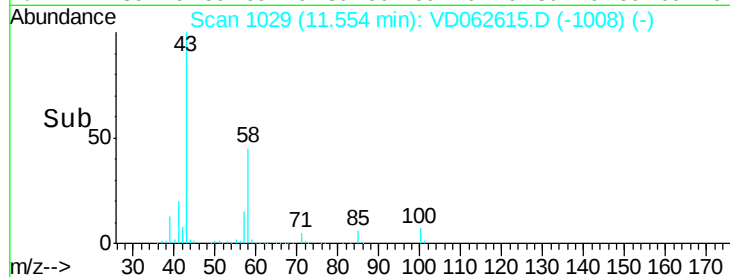
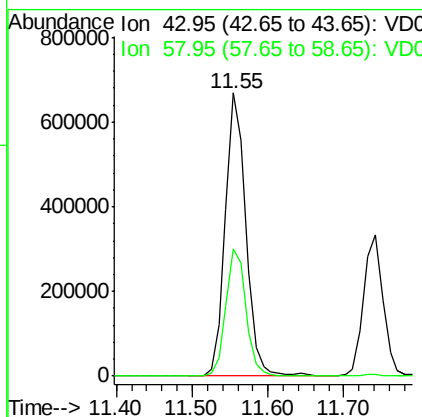
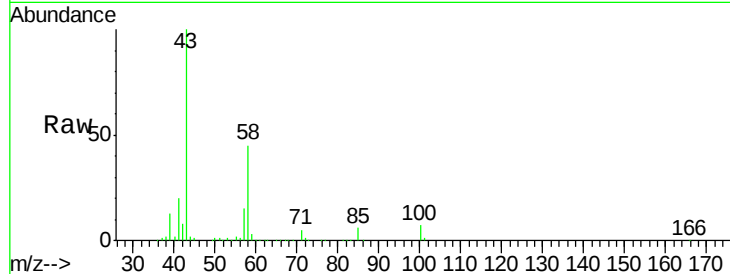
#59
2-Hexanone
Concen: 371.733 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.01 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 1263970
Ion Ratio Lower Upper
43 100
58 45.0 22.8 68.3

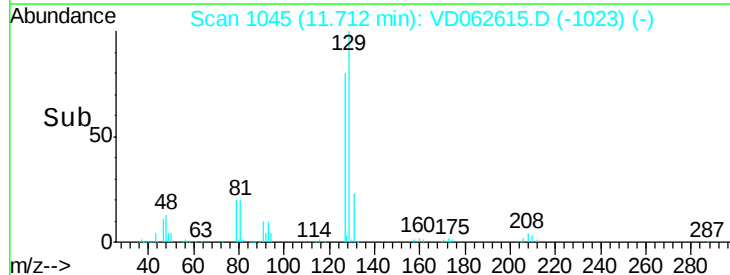
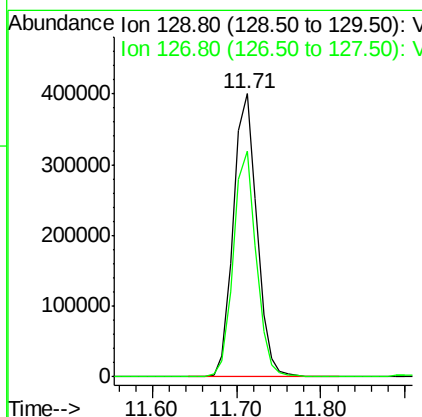
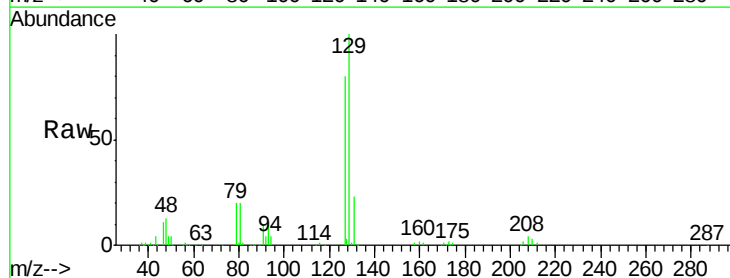
Manual Integrations
APPROVED

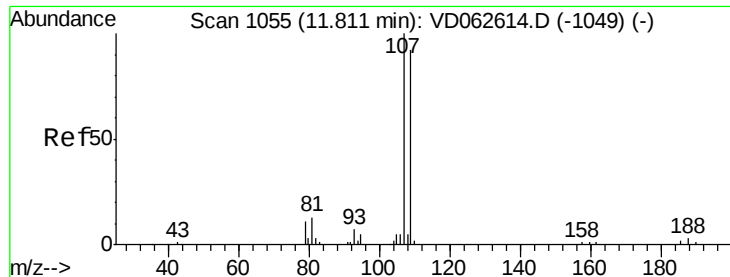
MMDadoda
6/6/2019 12:21:24 PM



#60
Dibromochloromethane
Concen: 72.015 ug/l
RT: 11.71 min Scan# 1045
Delta R.T. 0.02 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Tgt Ion: 129 Resp: 785275
Ion Ratio Lower Upper
129 100
127 79.6 36.6 109.9





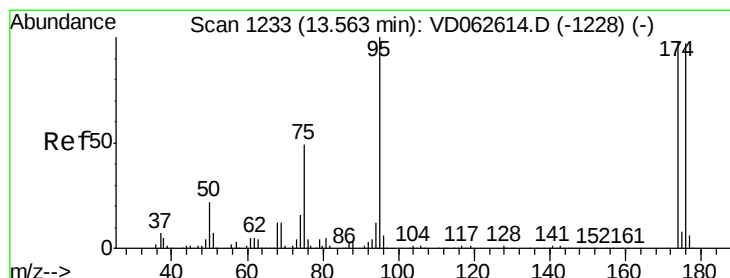
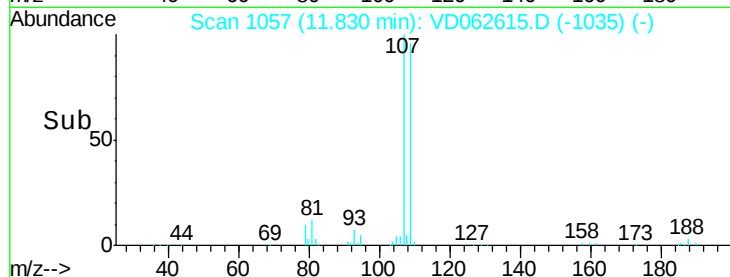
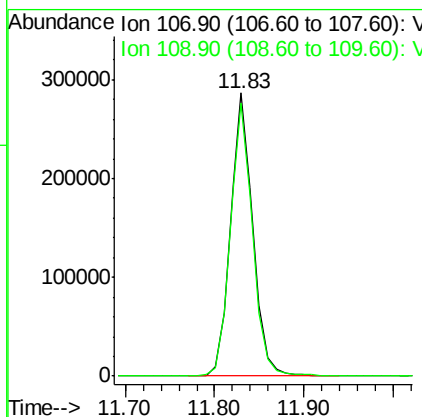
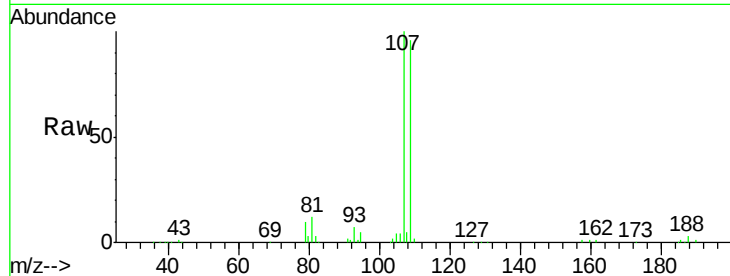
#61
 1,2-Dibromoethane
 Concen: 73.309 ug/l
 RT: 11.83 min Scan# 1057
 Delta R.T. 0.02 min
 Lab File: VD062615.D
 Acq: 5 Jun 2019 16:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
107	100	501057		
109	96.3	73.8	110.8	

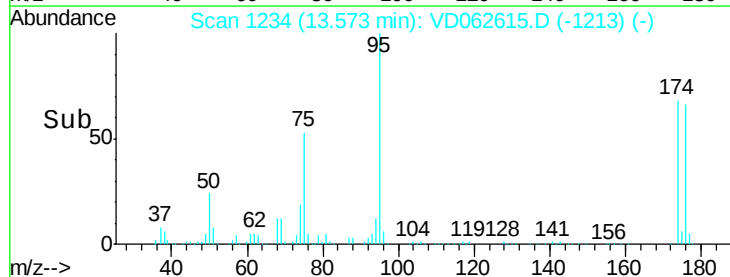
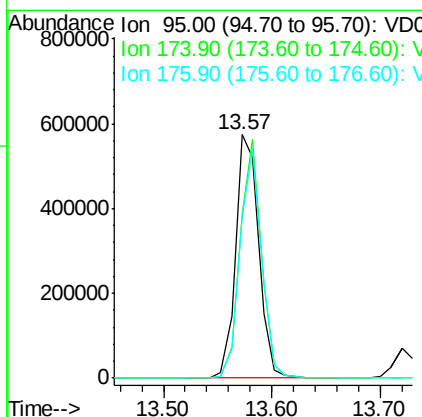
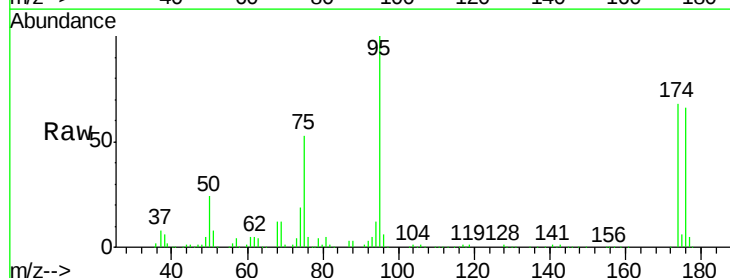
Manual Integrations
 APPROVED

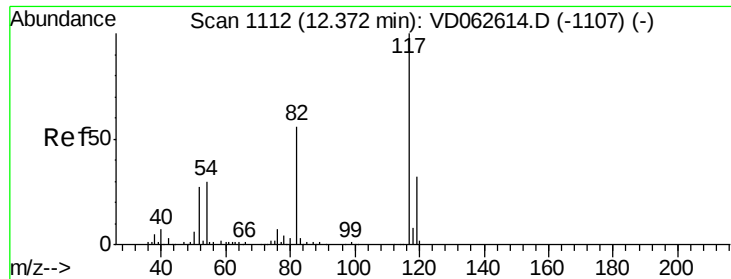
MMDadoda
 6/6/2019 12:21:24 PM



#62
 4-Bromofluorobenzene
 Concen: 71.424 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.01 min
 Lab File: VD062615.D
 Acq: 5 Jun 2019 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	851412		
174	67.5	0.0	195.8	
176	66.2	0.0	193.2	





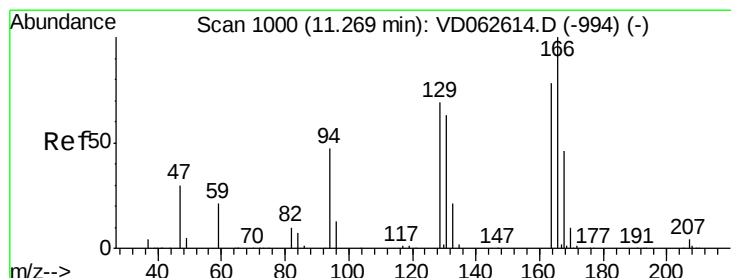
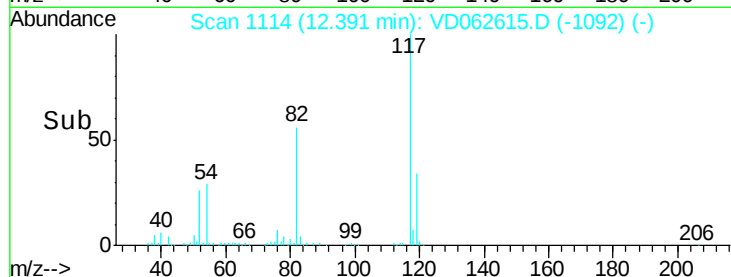
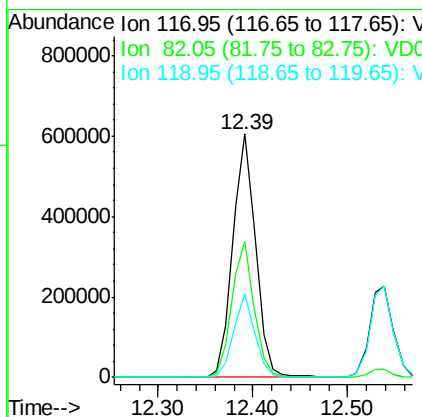
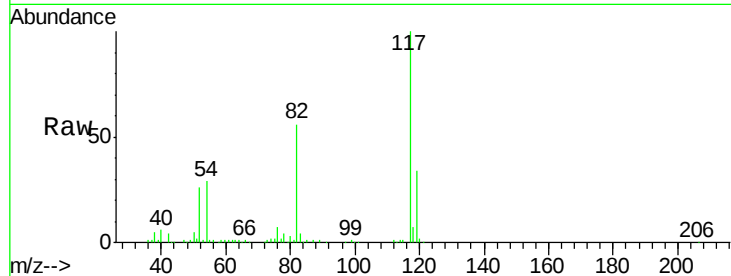
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.02 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:117 Resp: 1011307
Ion Ratio Lower Upper
117 100
82 56.0 45.0 67.6
119 34.3 25.7 38.5

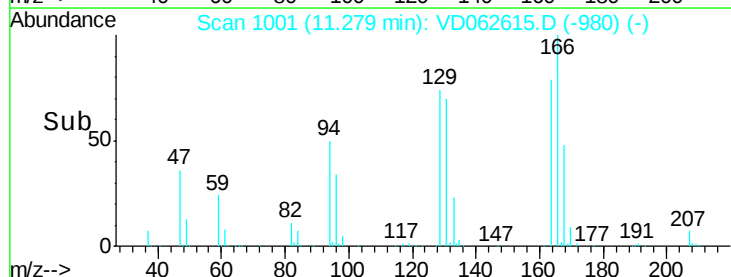
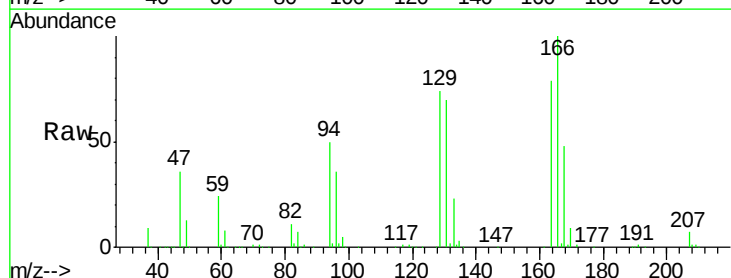
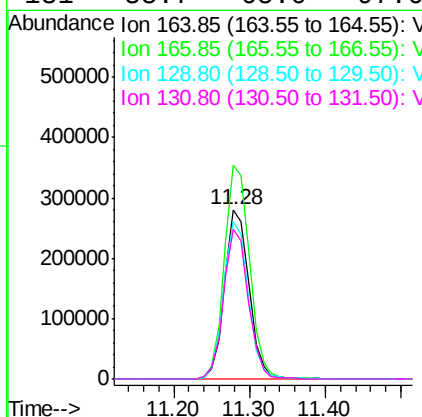
Manual Integrations
APPROVED

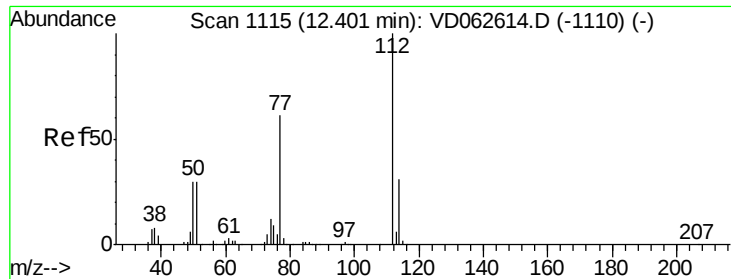
MMDadoda
6/6/2019 12:21:24 PM



#64
Tetrachloroethene
Concen: 68.797 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Tgt Ion:164 Resp: 628347
Ion Ratio Lower Upper
164 100
166 126.3 102.6 153.8
129 93.0 70.3 105.5
131 88.7 65.0 97.6





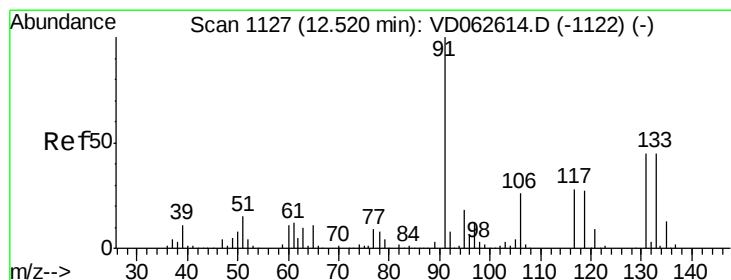
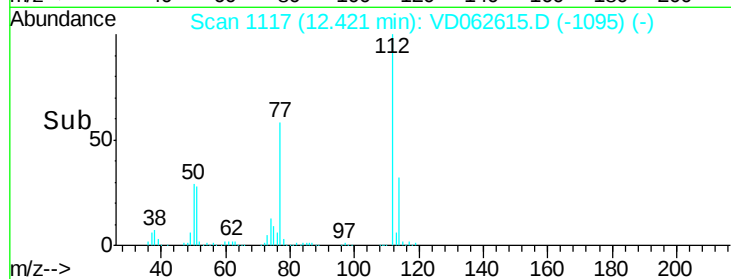
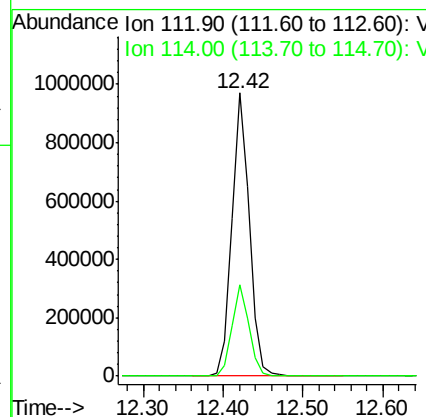
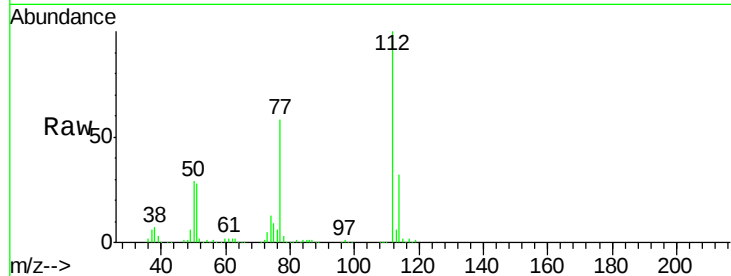
#65
Chlorobenzene
Concen: 71.718 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. 0.02 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:112 Resp: 1507096
Ion Ratio Lower Upper
112 100
114 32.4 25.0 37.6

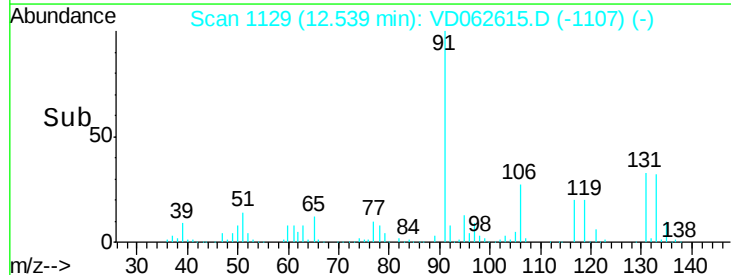
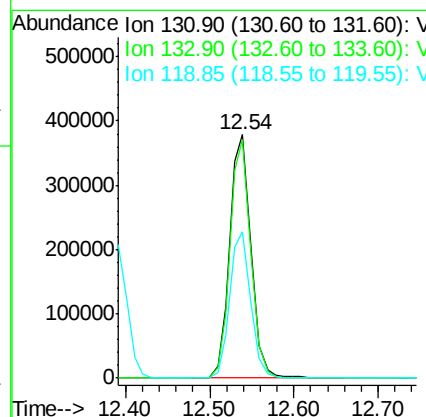
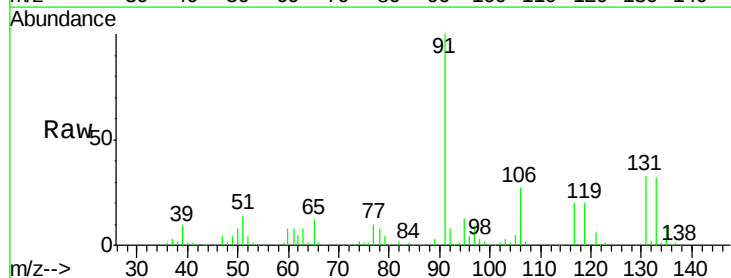
Manual Integrations
APPROVED

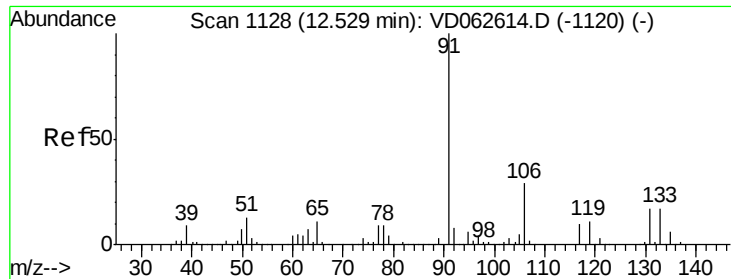
MMDadoda
6/6/2019 12:21:24 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 65.308 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Tgt Ion:131 Resp: 659714
Ion Ratio Lower Upper
131 100
133 98.0 50.1 150.4
119 60.3 30.1 90.3





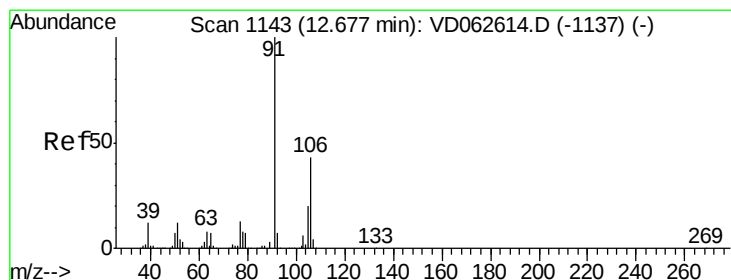
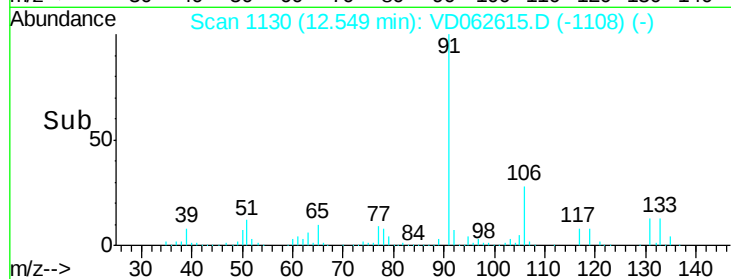
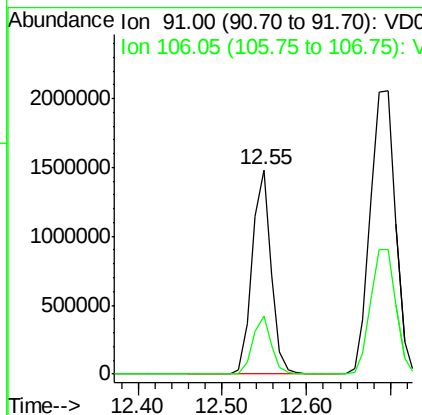
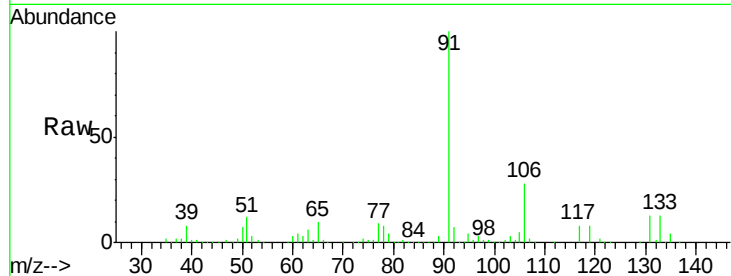
#67
Ethyl Benzene
Concen: 61.931 ug/l
RT: 12.55 min Scan# 1130
Delta R.T. 0.02 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 2352236
Ion Ratio Lower Upper
91 100
106 28.3 23.0 34.4

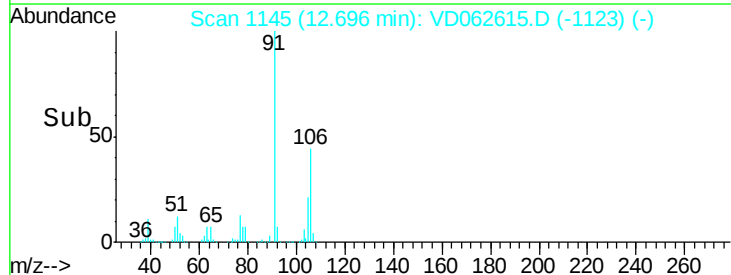
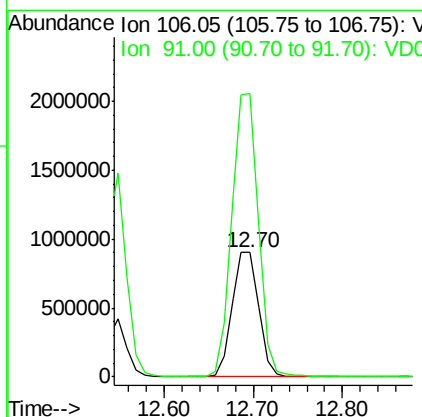
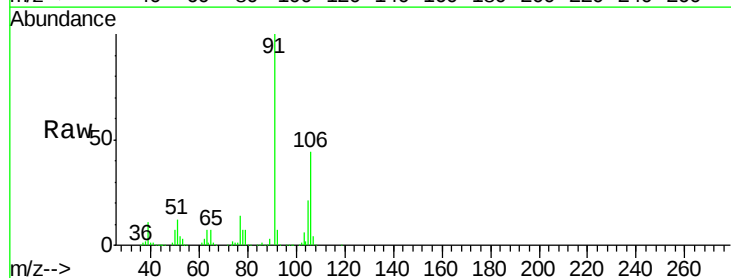
Manual Integrations
APPROVED

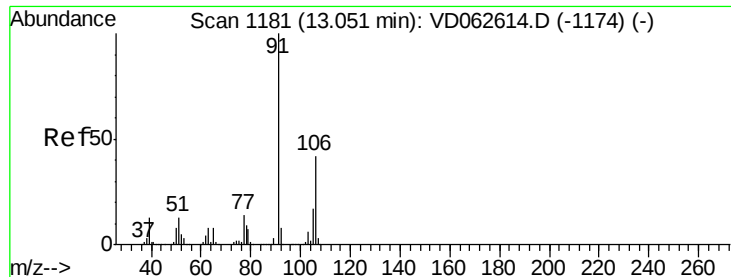
MMDadoda
6/6/2019 12:21:24 PM



#68
m/p-Xylenes
Concen: 142.991 ug/l
RT: 12.70 min Scan# 1145
Delta R.T. 0.02 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Tgt Ion: 106 Resp: 1894404
Ion Ratio Lower Upper
106 100
91 227.3 184.1 276.1





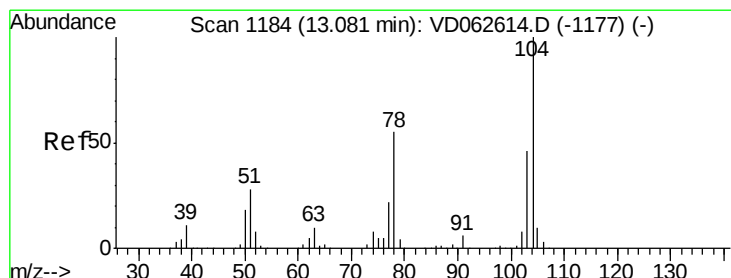
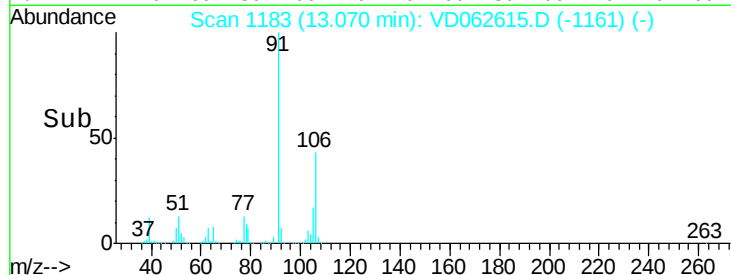
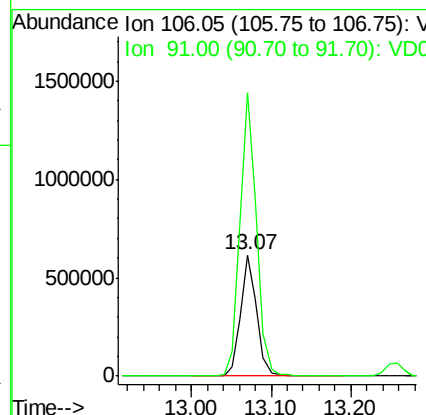
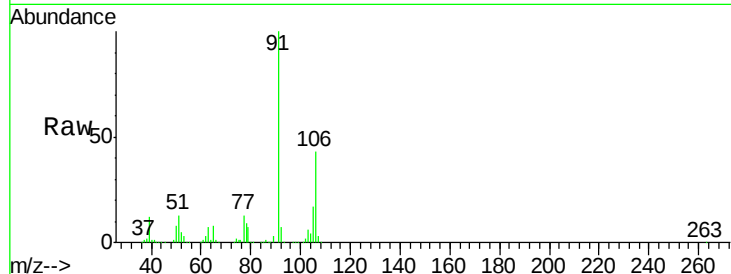
#69
o-Xylene
Concen: 68.135 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.02 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		869755		
91	233.5	118.8	356.5		

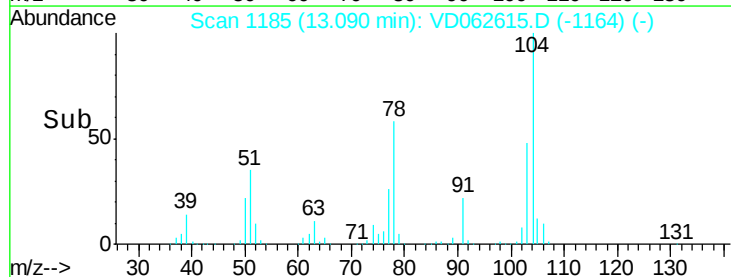
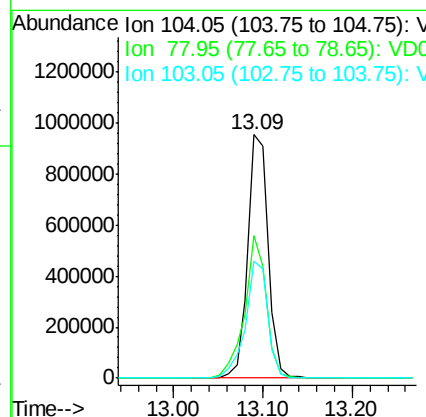
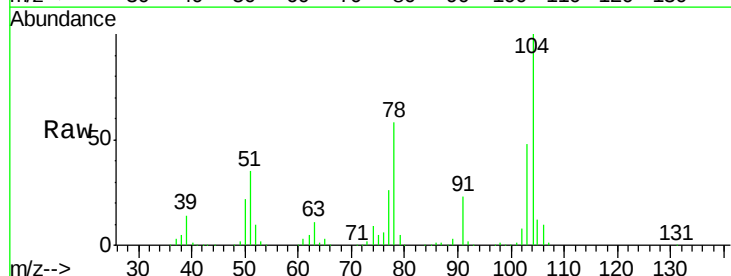
Manual Integrations
APPROVED

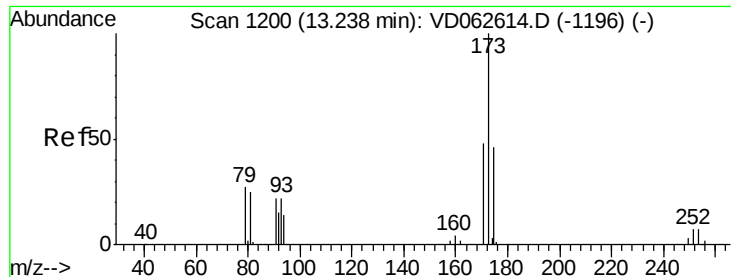
MMDadoda
6/6/2019 12:21:24 PM



#70
Styrene
Concen: 70.319 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	58.3	43.8	65.8	
103	48.0	36.6	54.8	





#71

Bromoform

Concen: 69.452 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.02 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:173 Resp: 484556

Ion Ratio Lower Upper

173 100

175 46.9 23.2 69.5

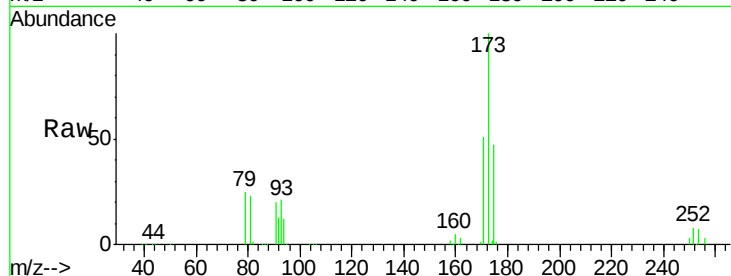
254 7.3 5.9 8.9

Manual Integrations

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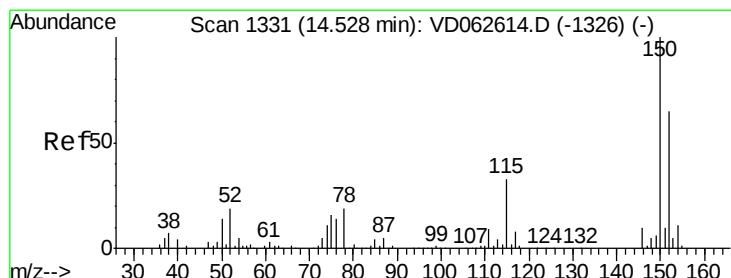
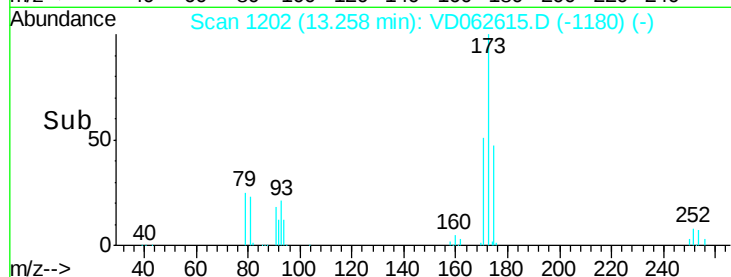
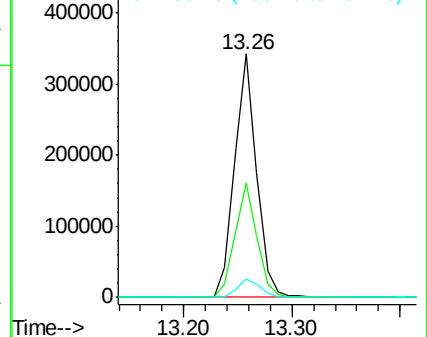
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Abundance Ion 172.80 (172.50 to 173.50): V

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: 14.54 min Scan# 1332

Delta R.T. 0.01 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

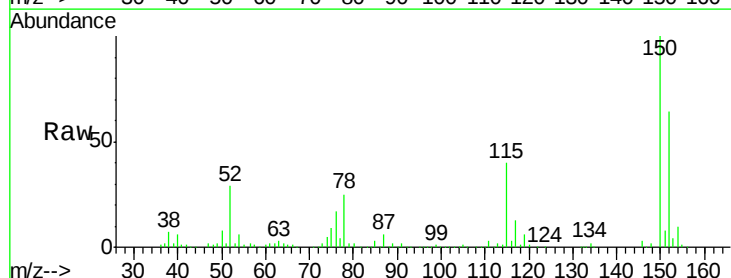
Tgt Ion:152 Resp: 528338

Ion Ratio Lower Upper

152 100

115 61.8 27.1 81.3

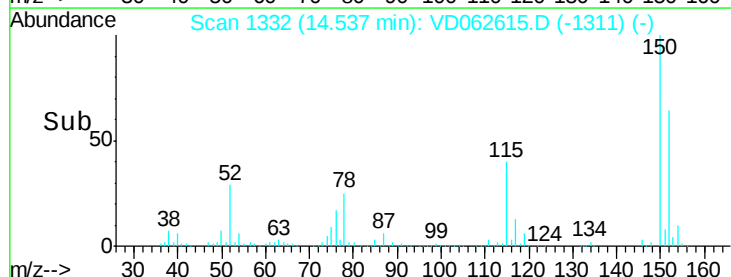
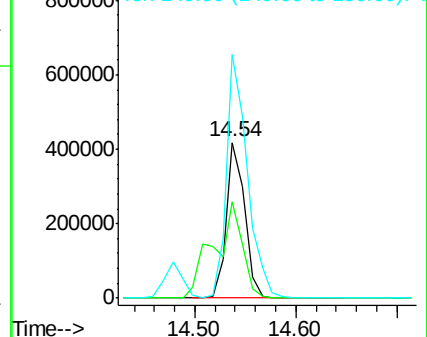
150 156.4 0.0 315.0

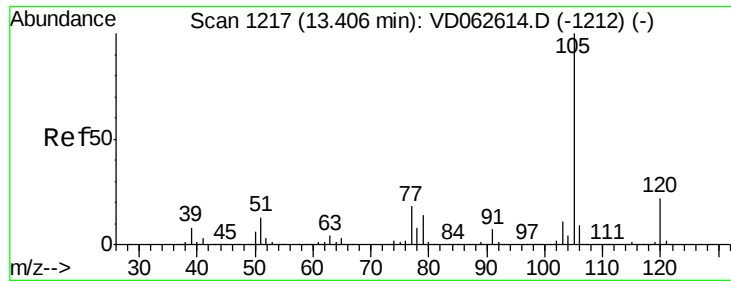


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 68.594 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. 0.02 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 2519927

Ion Ratio Lower Upper

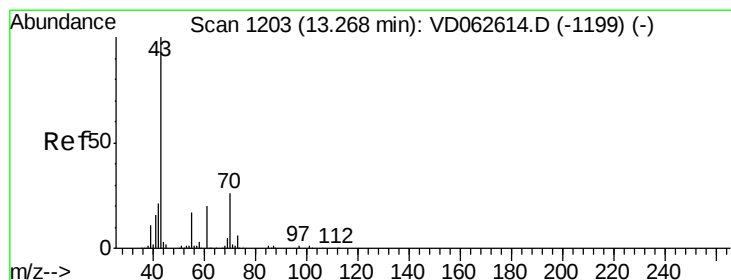
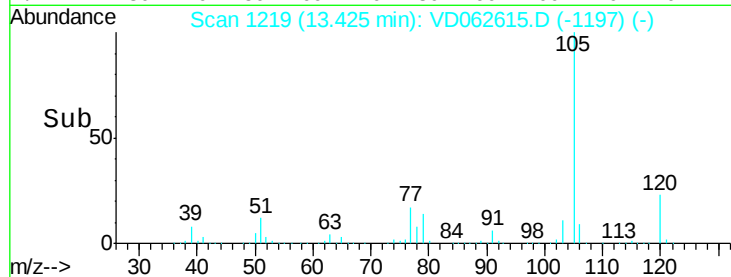
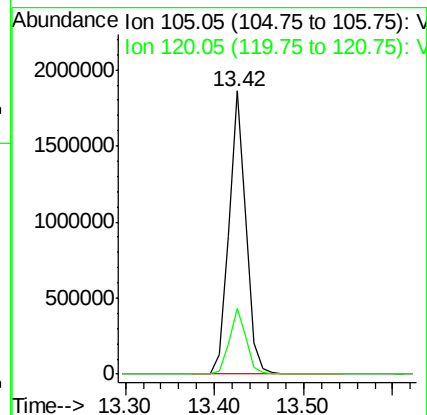
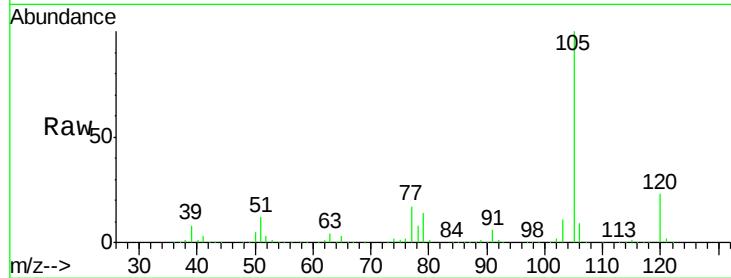
105 100

120 23.3 11.2 33.6

Manual Integrations
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#74

N-ethyl acetate

Concen: 74.836 ug/l

RT: 13.29 min Scan# 1205

Delta R.T. 0.02 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Tgt Ion: 43 Resp: 709884

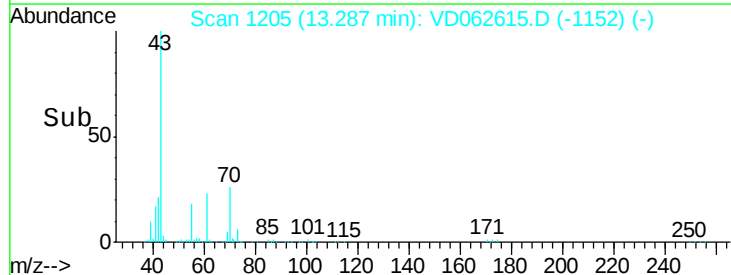
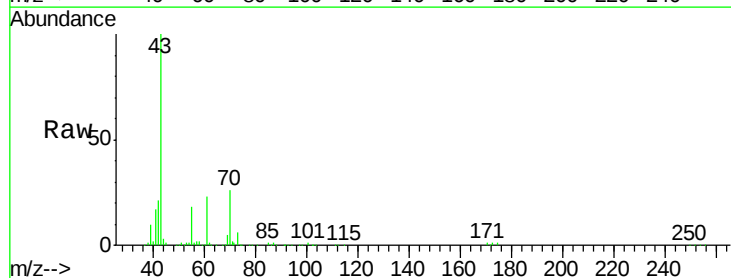
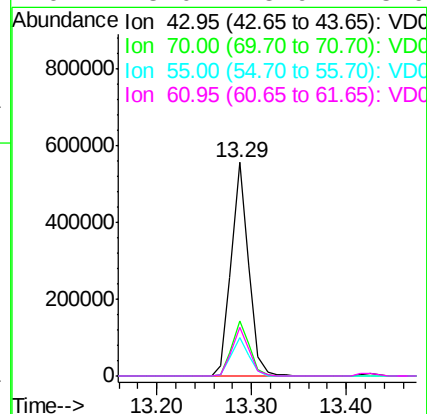
Ion Ratio Lower Upper

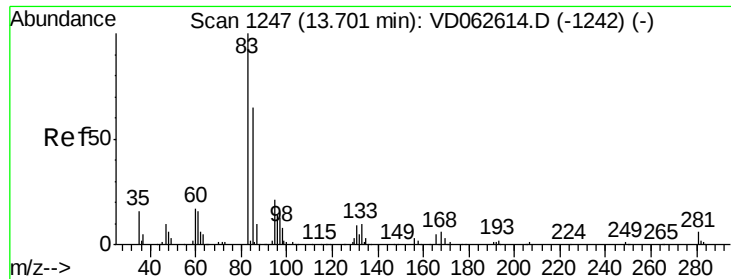
43 100

70 26.1 20.5 30.7

55 17.9 13.8 20.8

61 23.0 15.9 23.9





#75

1,1,2,2-Tetrachloroethane

Concen: 72.464 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.02 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Instrument :

MSVOA_D

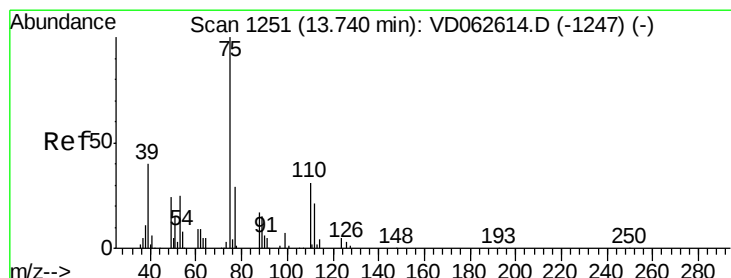
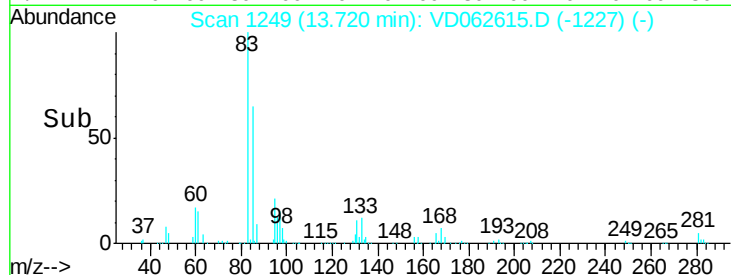
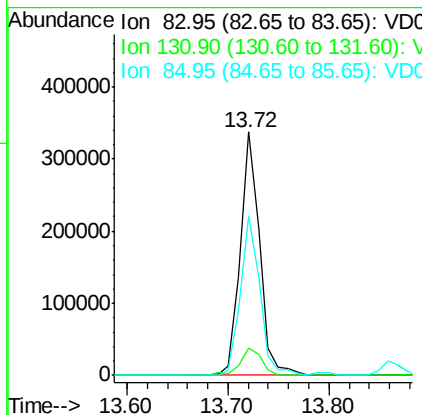
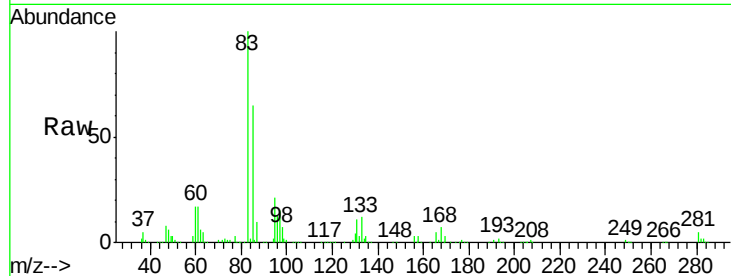
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	446254
Ion Ratio	Lower	Upper	
83	100		
131	11.2	4.7	14.0
85	65.4	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 73.418 ug/l

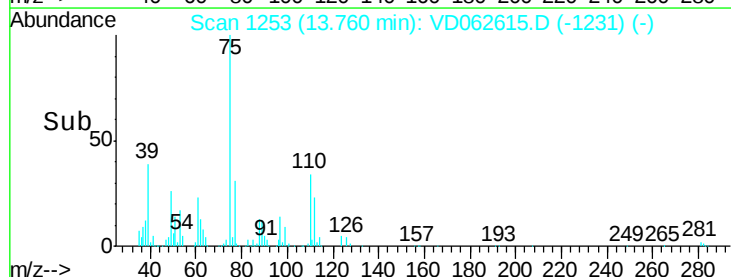
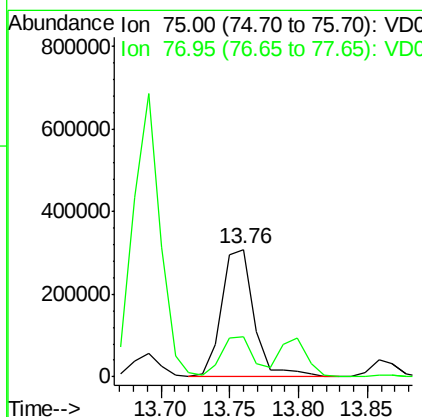
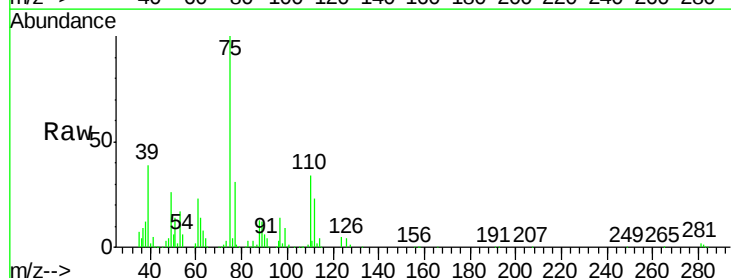
RT: 13.76 min Scan# 1253

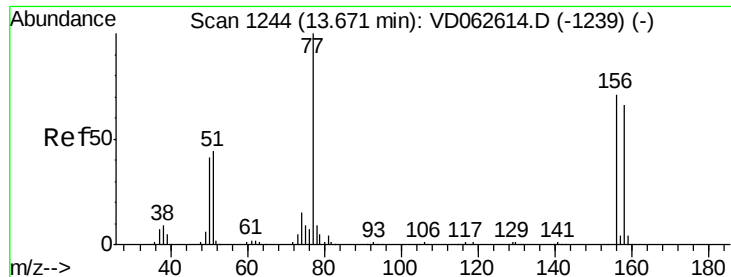
Delta R.T. 0.02 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Tgt Ion:	75	Resp:	505992
Ion Ratio	Lower	Upper	
75	100		
77	31.3	16.7	50.1





#77

Bromobenzene

Concen: 69.613 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.02 min

Lab File: VD062615.D

Acq: 5 Jun 2019 16:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:156 Resp: 711332

Ion Ratio Lower Upper

156 100

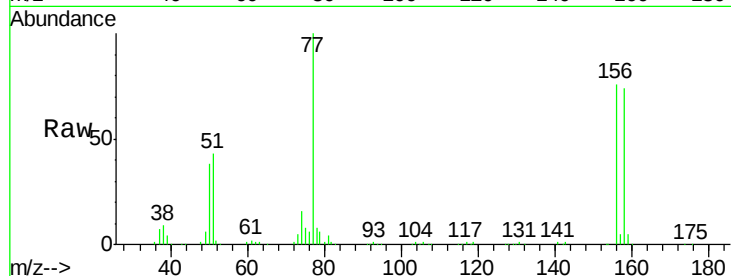
77 131.8 70.5 211.5

158 97.0 46.9 140.6

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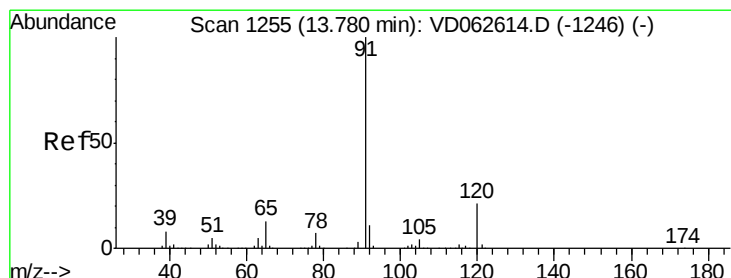
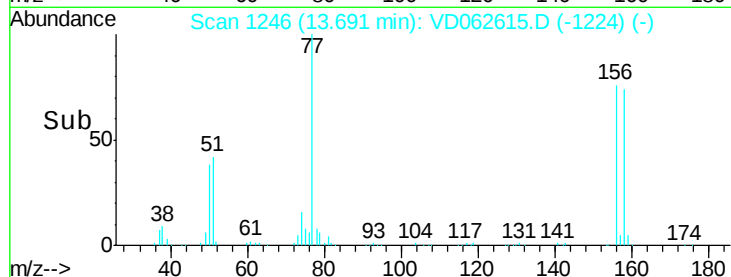
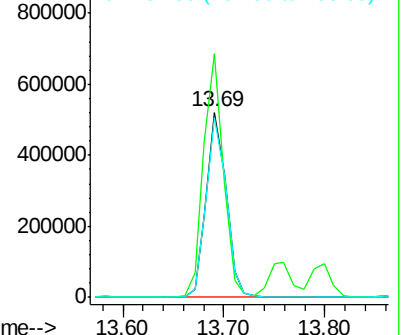
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 69.194 ug/l

RT: 13.80 min Scan# 1257

Delta R.T. 0.02 min

Lab File: VD062615.D

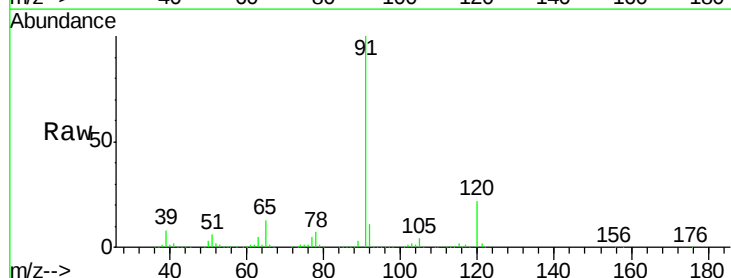
Acq: 5 Jun 2019 16:08

Tgt Ion: 91 Resp: 2948025

Ion Ratio Lower Upper

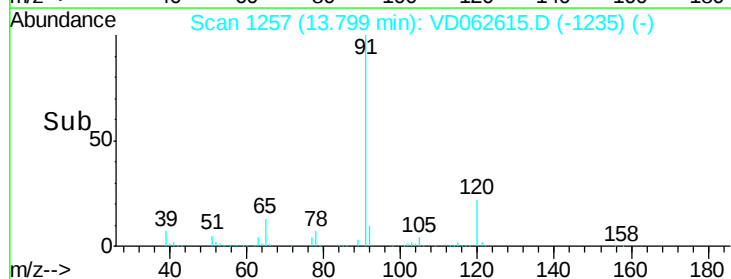
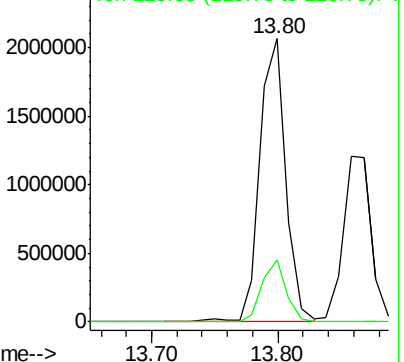
91 100

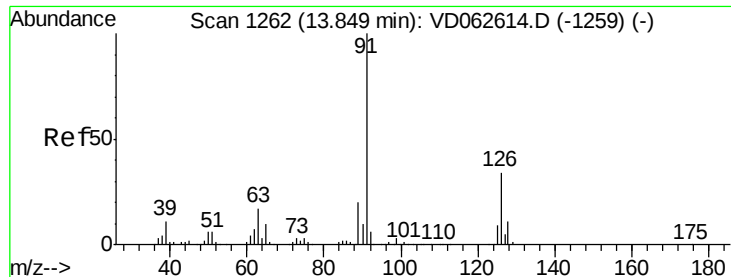
120 21.7 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





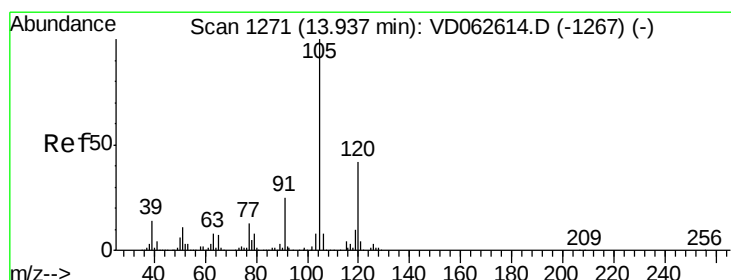
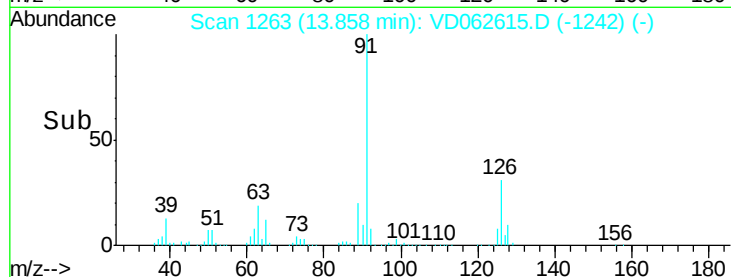
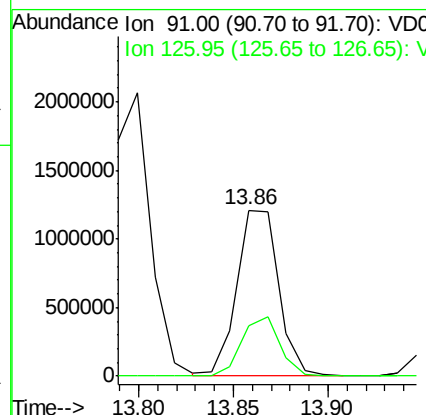
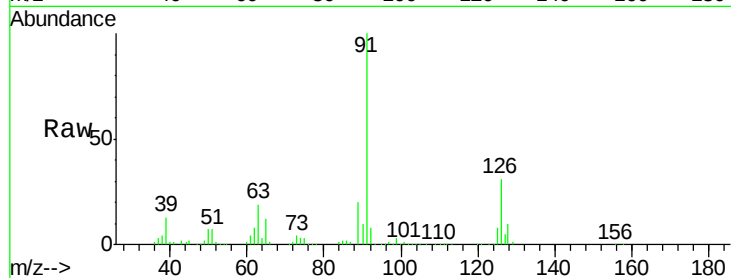
#79
2-Chlorotoluene
Concen: 70.640 ug/l
RT: 13.86 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 1824613
Ion Ratio Lower Upper
91 100
126 30.6 16.7 50.1

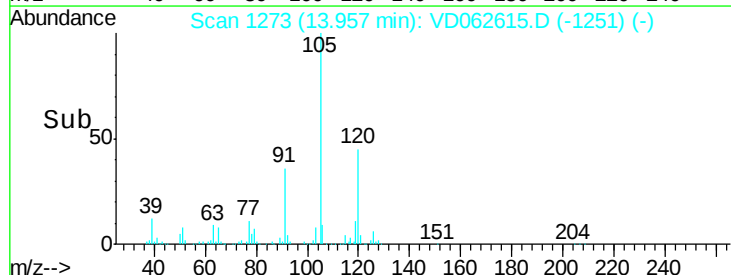
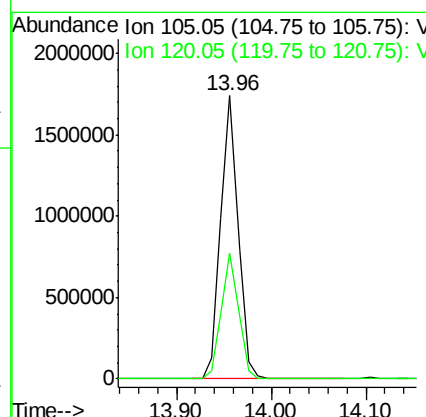
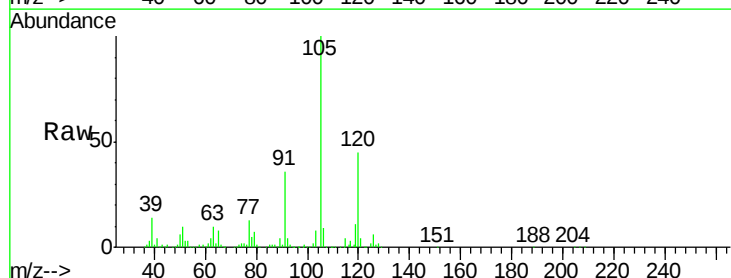
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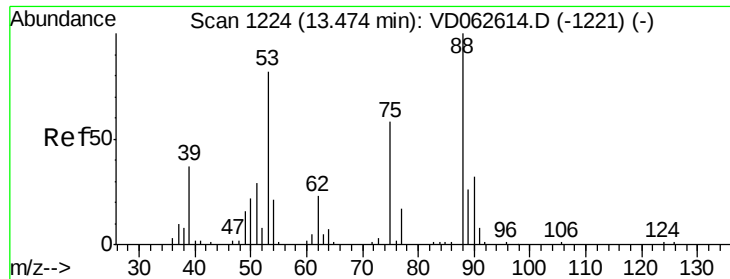
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 70.589 ug/l
RT: 13.96 min Scan# 1273
Delta R.T. 0.02 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Tgt Ion: 105 Resp: 2231791
Ion Ratio Lower Upper
105 100
120 44.7 21.1 63.4





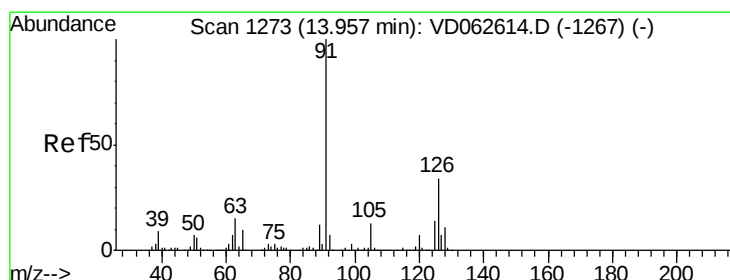
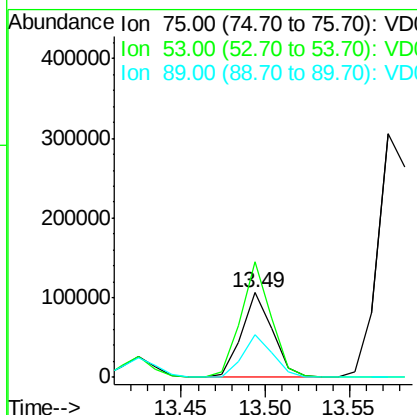
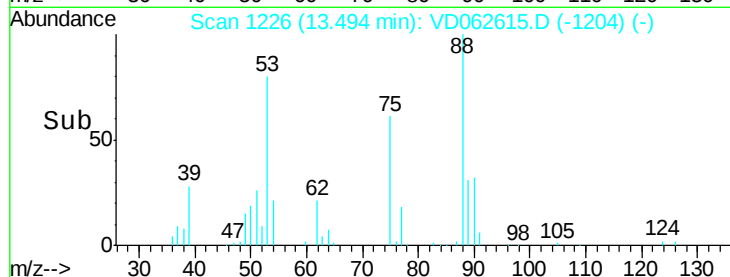
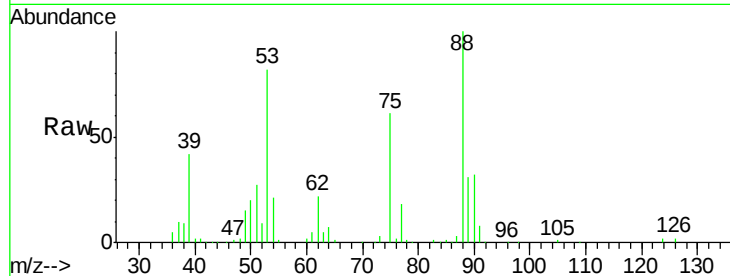
#81
trans-1,4-Dichloro-2-butene
Concen: 76.747 ug/l
RT: 13.49 min Scan# 1226
Delta R.T. 0.02 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
75	100		
53	135.6	113.2	169.8
89	50.5	36.9	55.3

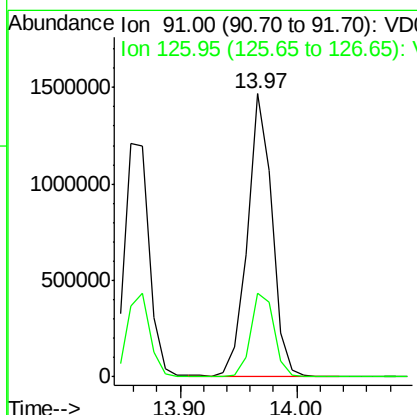
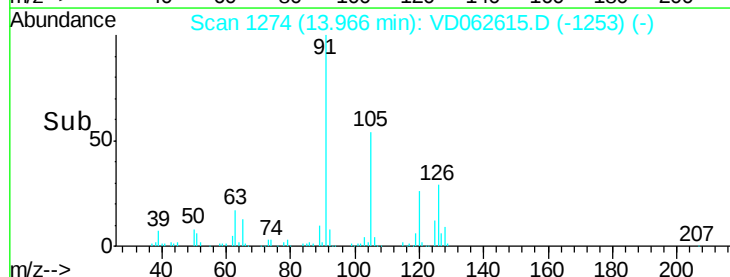
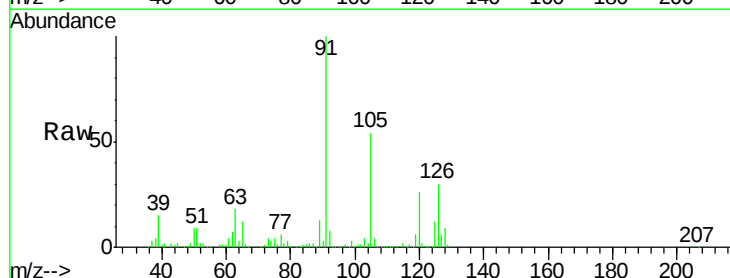
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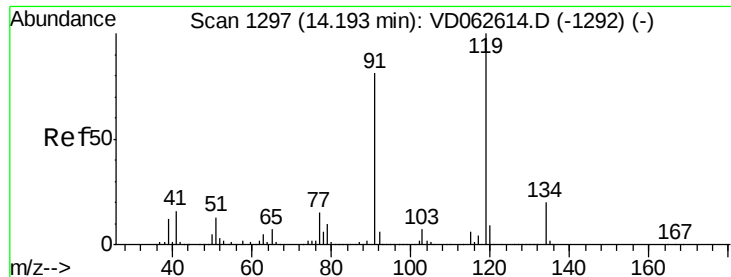
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#82
4-Chlorotoluene
Concen: 70.093 ug/l
RT: 13.97 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.7	16.8	50.4





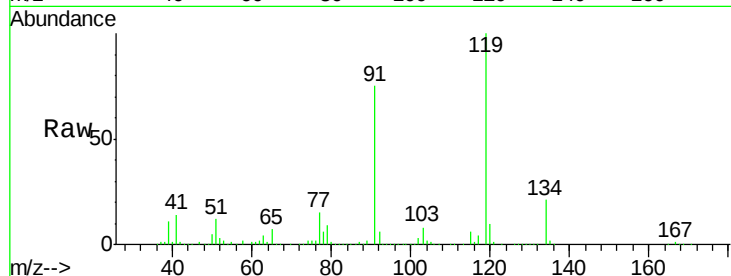
#83
 tert-Butylbenzene
 Concen: 69.862 ug/l
 RT: 14.21 min Scan# 1299
 Delta R.T. 0.02 min
 Lab File: VD062615.D
 Acq: 5 Jun 2019 16:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

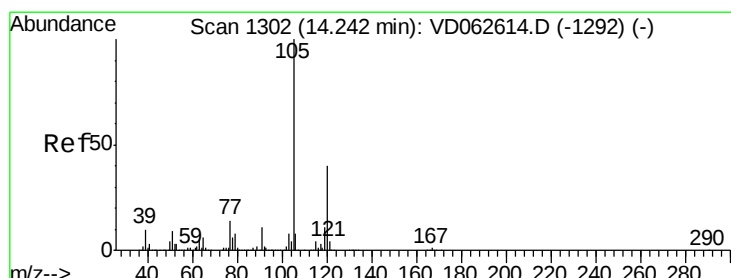
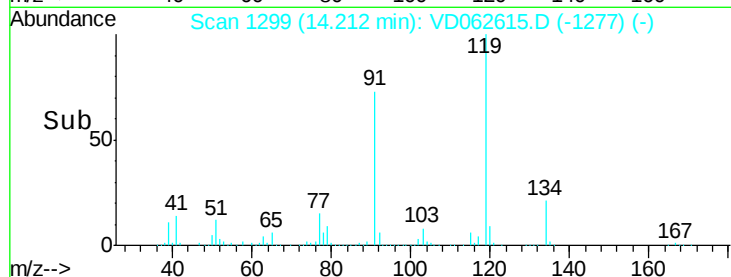
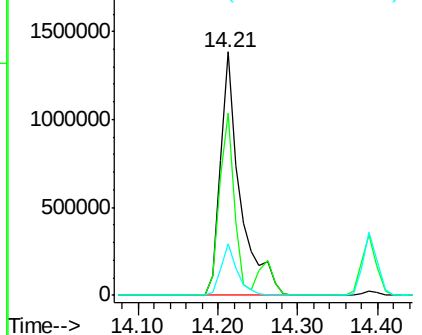
Tot Ion:119 Resp: 2432148
 Ion Ratio Lower Upper
 119 100
 91 75.1 40.8 122.2
 134 21.2 10.3 30.8

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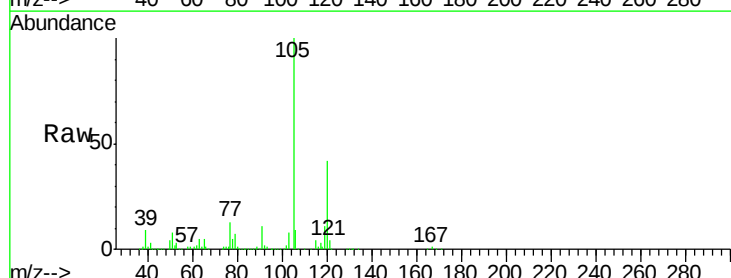


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

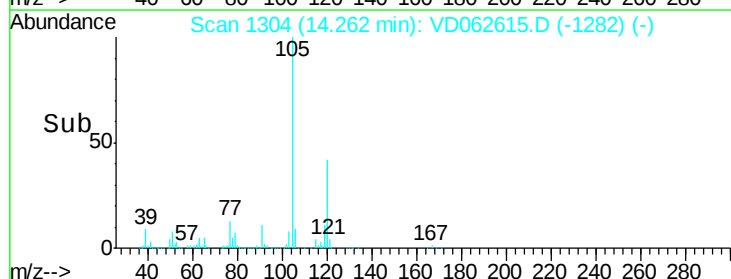
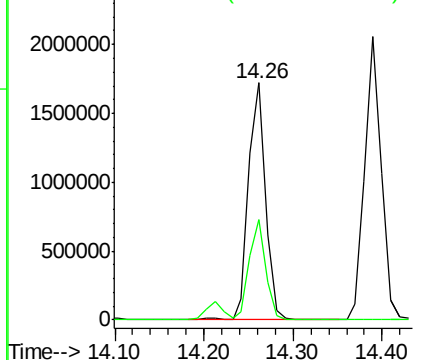


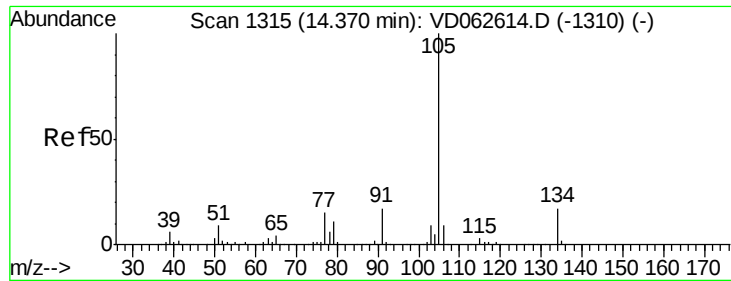
#84
 1,2,4-Trimethylbenzene
 Concen: 69.912 ug/l
 RT: 14.26 min Scan# 1304
 Delta R.T. 0.02 min
 Lab File: VD062615.D
 Acq: 5 Jun 2019 16:08

Tgt Ion:105 Resp: 2262453
 Ion Ratio Lower Upper
 105 100
 120 42.2 19.9 59.7



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





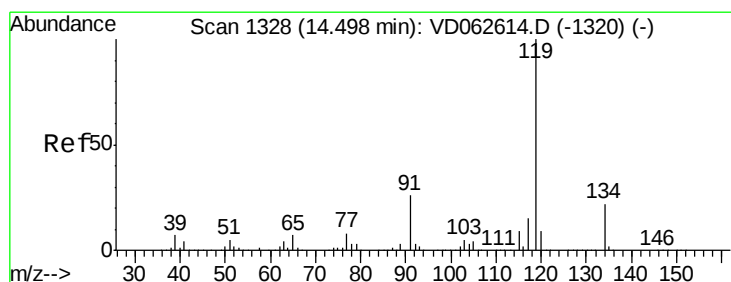
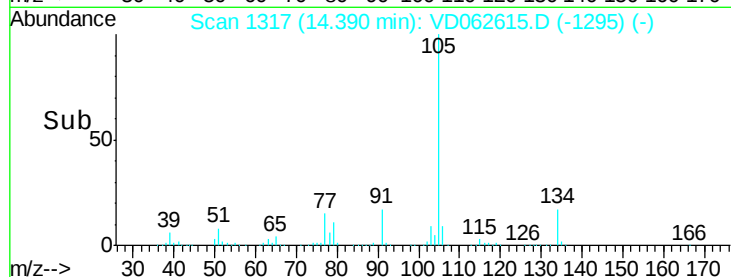
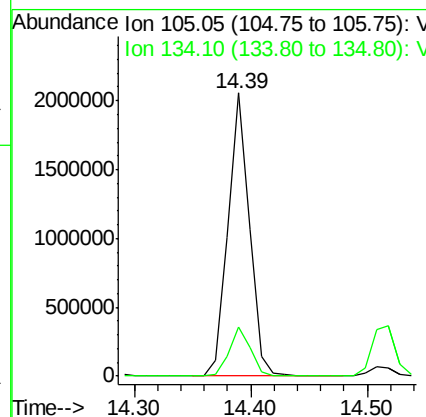
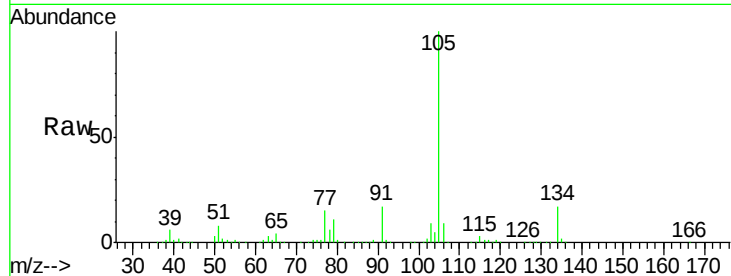
#85
 sec-Butylbenzene
 Concen: 72.791 ug/l
 RT: 14.39 min Scan# 1317
 Delta R.T. 0.02 min
 Lab File: VD062615.D
 Acq: 5 Jun 2019 16:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:105 Resp: 2611121
 Ion Ratio Lower Upper
 105 100
 134 17.3 8.3 24.8

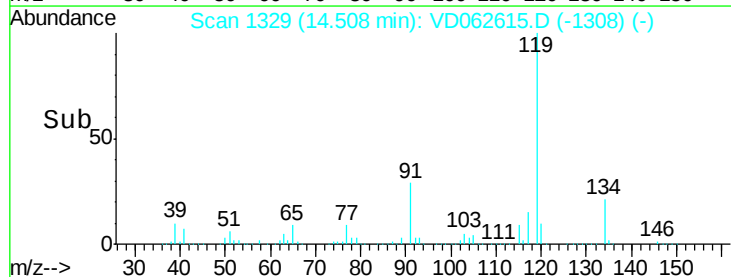
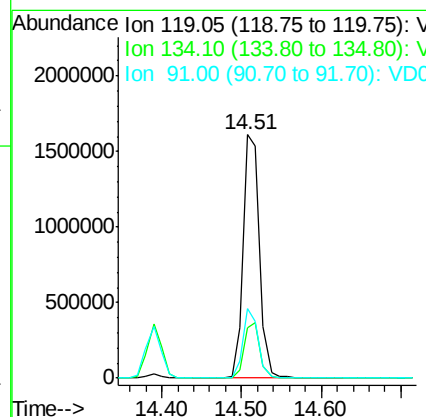
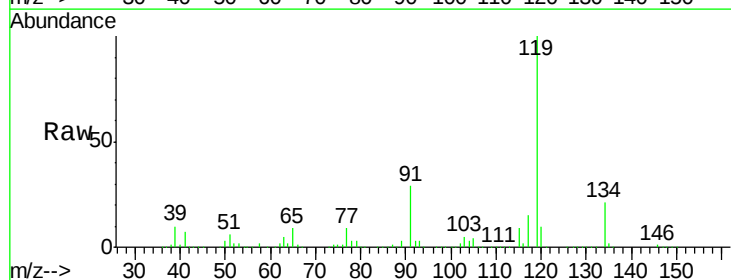
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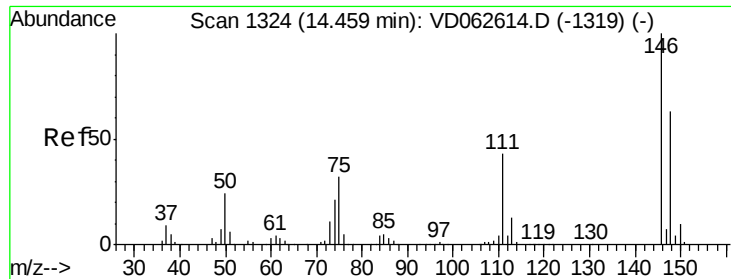
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#86
 p-Isopropyltoluene
 Concen: 66.810 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. 0.01 min
 Lab File: VD062615.D
 Acq: 5 Jun 2019 16:08

Tgt Ion:119 Resp: 2304094
 Ion Ratio Lower Upper
 119 100
 134 20.8 11.2 33.5
 91 28.6 13.3 39.8





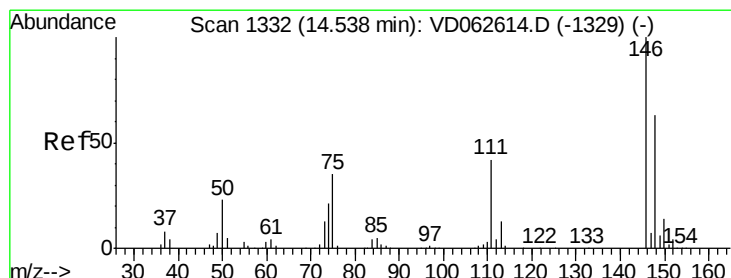
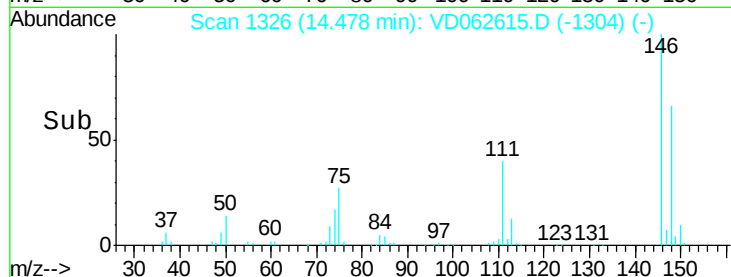
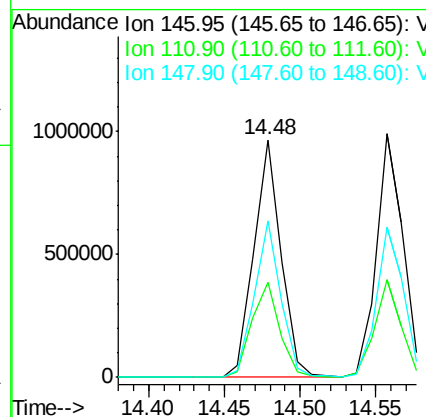
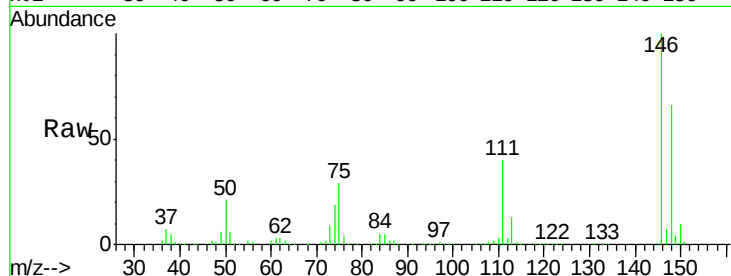
#87
 1,3-Dichlorobenzene
 Concen: 70.195 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. 0.02 min
 Lab File: VD062615.D
 Acq: 5 Jun 2019 16:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.6	64.6
148	66.2	31.3	93.8

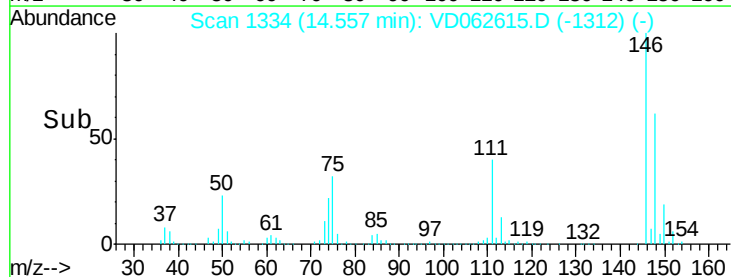
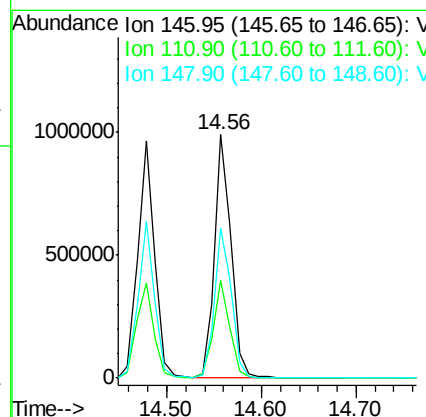
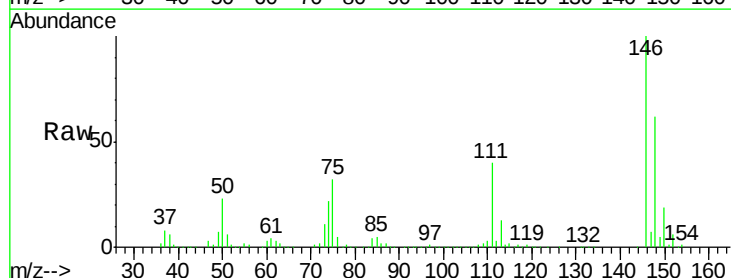
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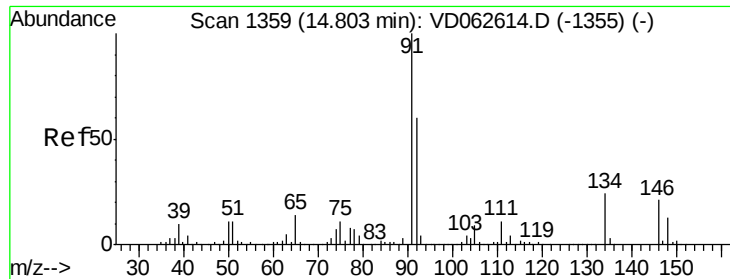
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#88
 1,4-Dichlorobenzene
 Concen: 70.358 ug/l
 RT: 14.56 min Scan# 1334
 Delta R.T. 0.02 min
 Lab File: VD062615.D
 Acq: 5 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.9	62.8
148	61.9	31.5	94.5





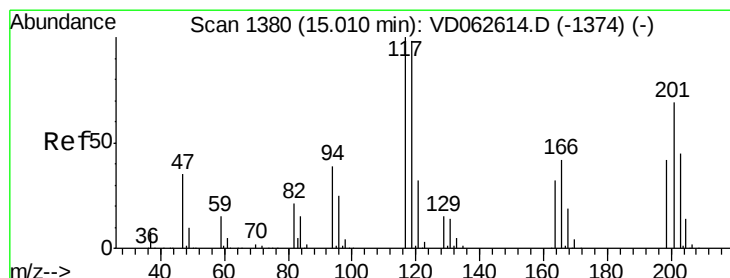
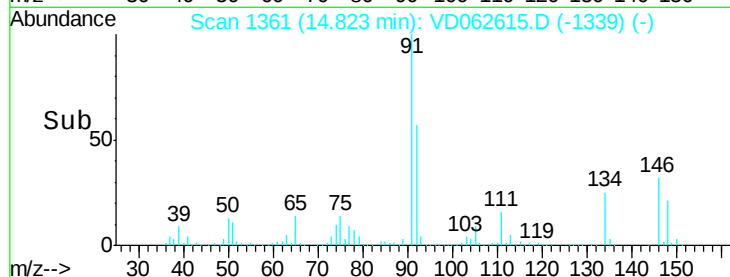
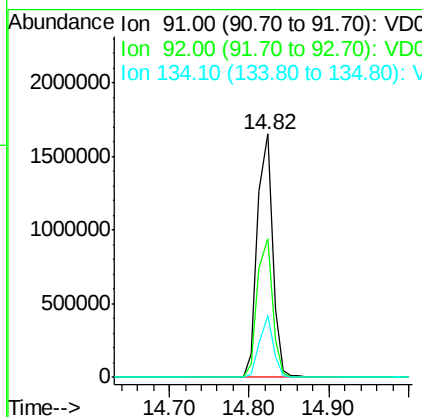
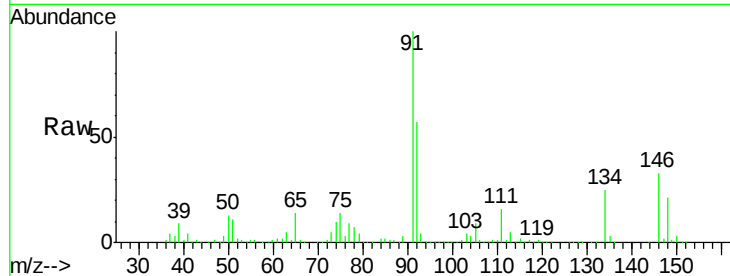
#89
n-Butylbenzene
Concen: 66.689 ug/l
RT: 14.82 min Scan# 1361
Delta R.T. 0.02 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 2138524
Ion Ratio Lower Upper
91 100
92 57.0 29.9 89.7
134 25.5 12.1 36.3

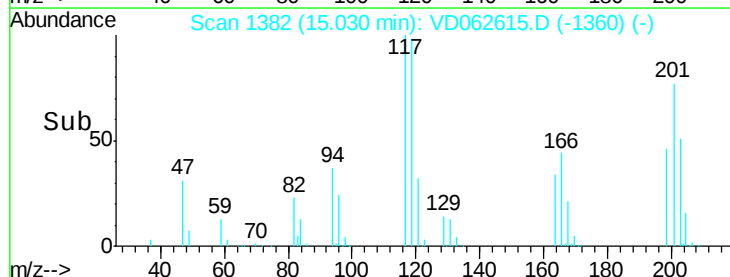
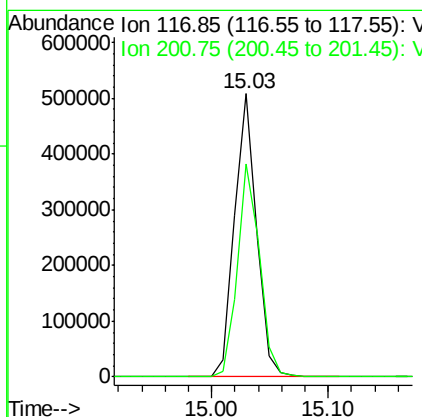
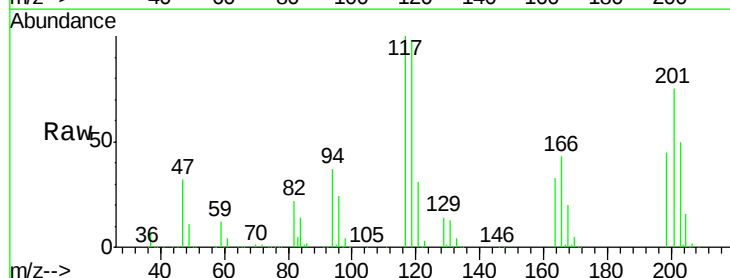
Manual Integrations
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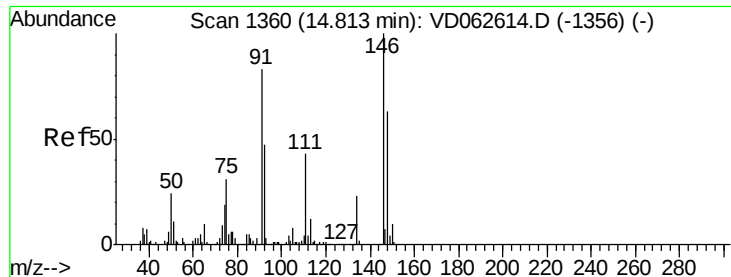
MMDadoda
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#90
Hexachloroethane
Concen: 73.222 ug/l
RT: 15.03 min Scan# 1382
Delta R.T. 0.02 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Tgt Ion: 117 Resp: 664617
Ion Ratio Lower Upper
117 100
201 75.2 34.4 103.3





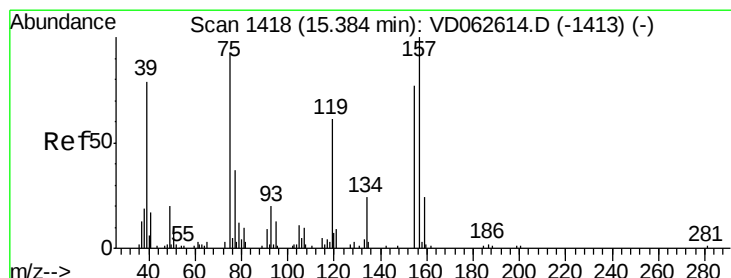
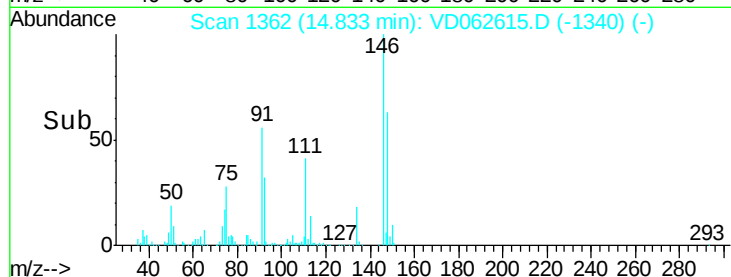
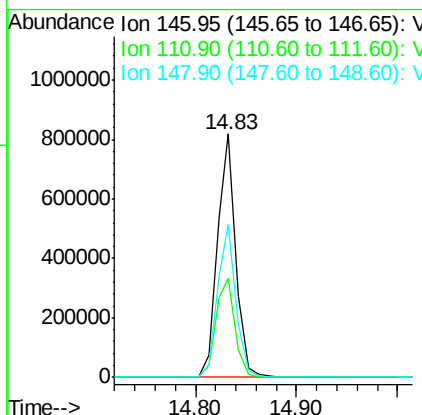
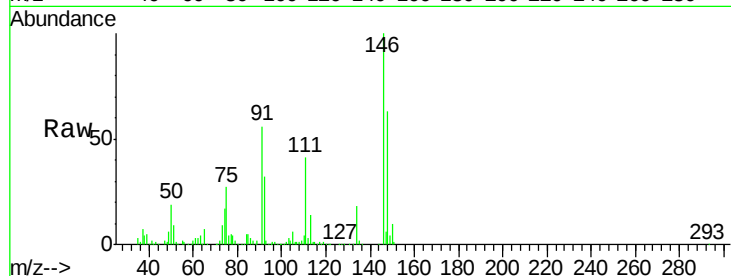
#91
 1,2-Dichlorobenzene
 Concen: 65.369 ug/l
 RT: 14.83 min Scan# 1362
 Delta R.T. 0.02 min
 Lab File: VD062615.D
 Acq: 5 Jun 2019 16:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.3	64.0
148	62.9	31.4	94.3

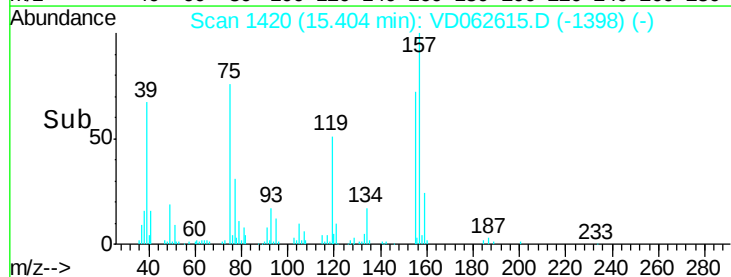
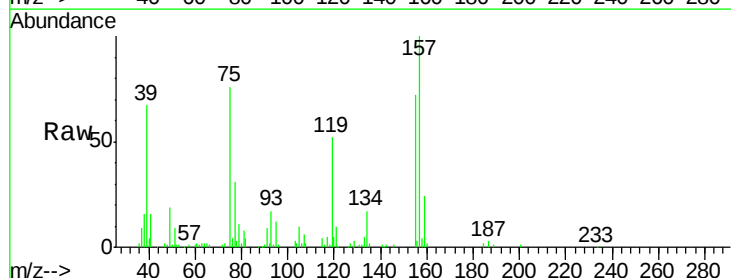
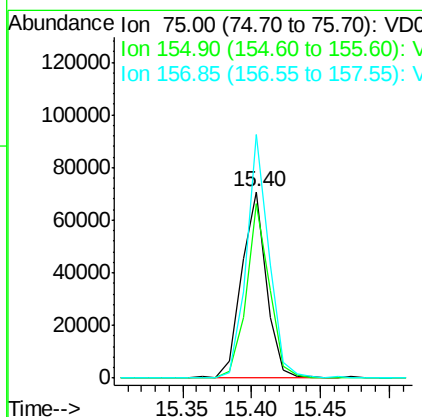
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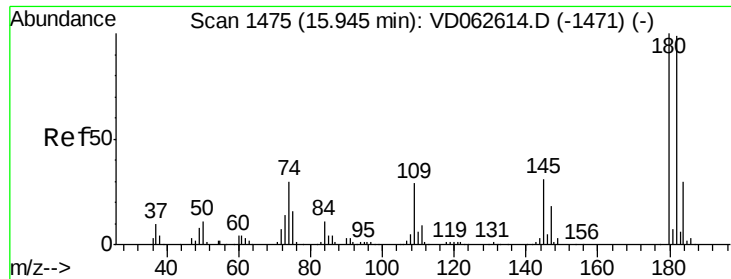
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 70.825 ug/l
 RT: 15.40 min Scan# 1420
 Delta R.T. 0.02 min
 Lab File: VD062615.D
 Acq: 5 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.1	41.6	124.8
157	130.8	53.8	161.2





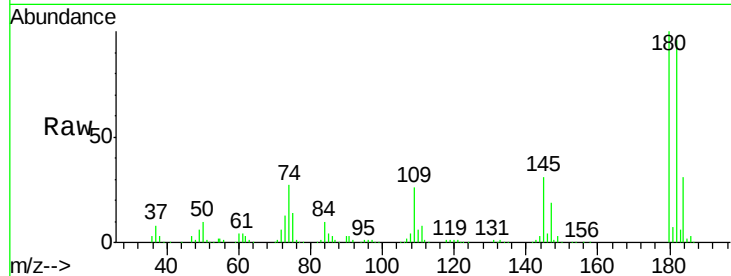
#93
1,2,4-Trichlorobenzene
Concen: 71.957 ug/l
RT: 15.96 min Scan# 1477
Delta R.T. 0.02 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

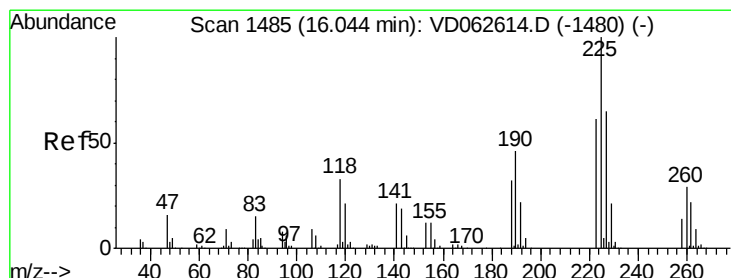
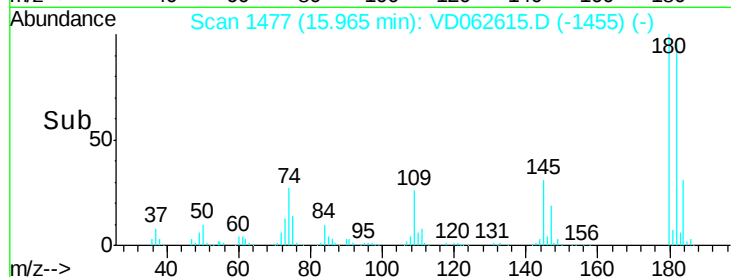
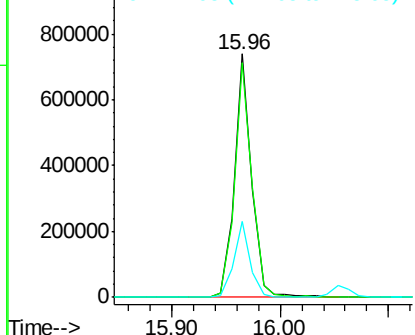
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	49.3	147.8
145	31.4	15.7	47.1

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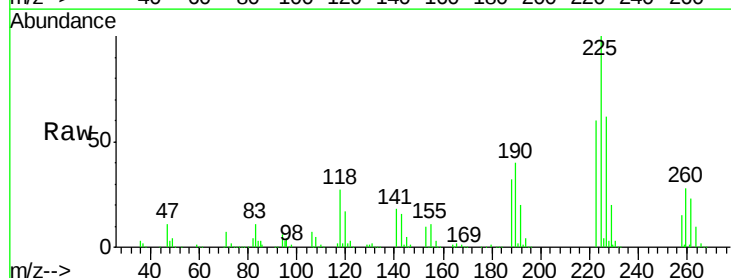


Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

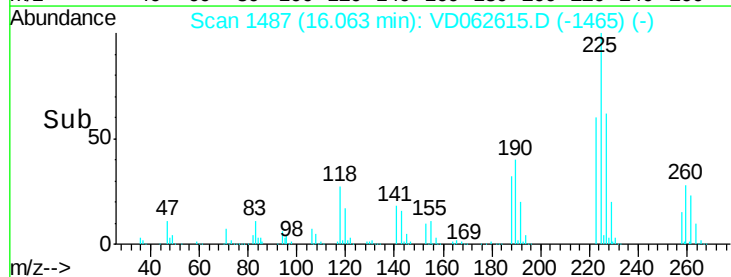
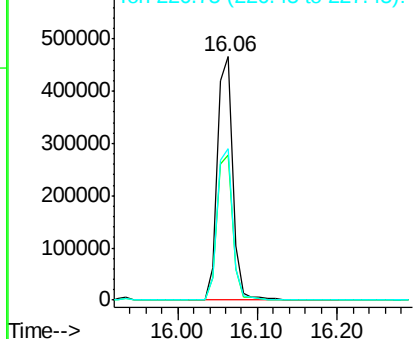


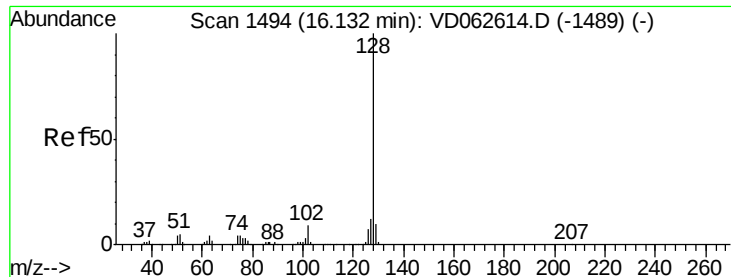
#94
Hexachlorobutadiene
Concen: 75.567 ug/l
RT: 16.06 min Scan# 1487
Delta R.T. 0.02 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.6	30.3	91.0
227	62.3	32.4	97.0



Abundance Ion 224.75 (224.45 to 225.45): V
Ion 222.75 (222.45 to 223.45): V
Ion 226.75 (226.45 to 227.45): V





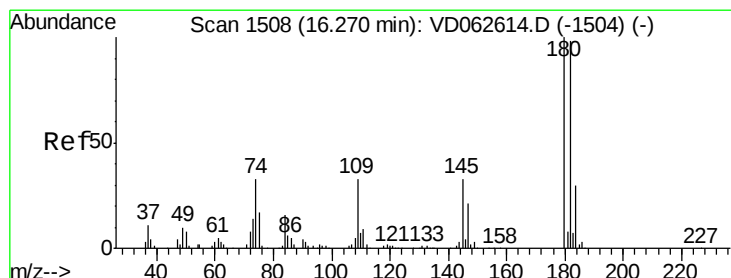
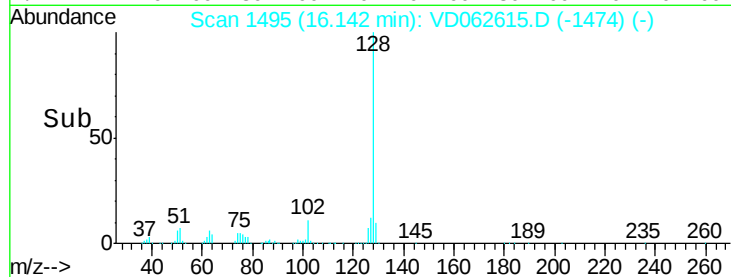
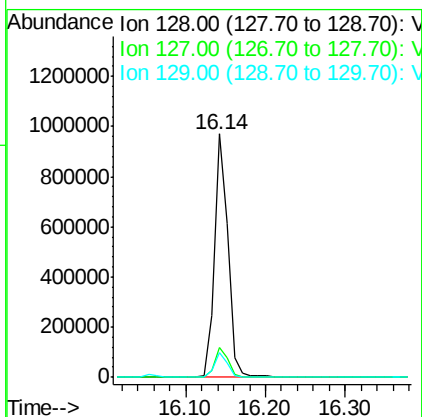
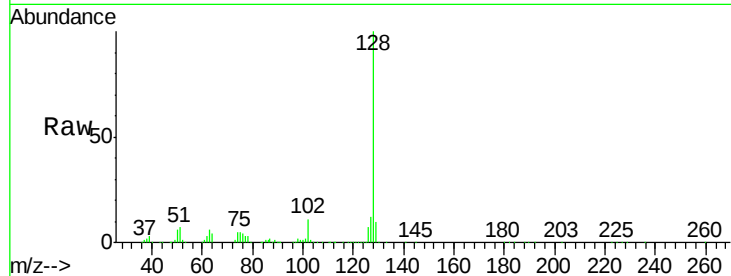
#95
Naphthalene
Concen: 71.635 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.4	14.2
129	10.2	8.0	12.0

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#96
1,2,3-Trichlorobenzene
Concen: 71.019 ug/l
RT: 16.29 min Scan# 1510
Delta R.T. 0.02 min
Lab File: VD062615.D
Acq: 5 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	49.1	147.3
145	32.7	16.6	49.7

