

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063080.D
 Acq On : 15 Jul 2019 13:26
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Jul 16 07:30:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:23:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	770401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1026485	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	880904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	452748	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	923470	107.26	ug/l	0.00
Spiked Amount			Recovery	=	214.52%	
35) Dibromofluoromethane	6.92	113	997918	112.06	ug/l	0.00
Spiked Amount			Recovery	=	224.12%	
50) Toluene-d8	10.40	98	2156749	113.17	ug/l	0.00
Spiked Amount			Recovery	=	226.34%	
62) 4-Bromofluorobenzene	13.55	95	947604	108.45	ug/l	0.00
Spiked Amount			Recovery	=	216.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	912154	94.022	ug/l	96
3) Chloromethane	1.74	50	697338	94.055	ug/l #	86
4) Vinyl Chloride	1.84	62	771189	105.088	ug/l	95
5) Bromomethane	2.13	94	311955	93.246	ug/l	98
6) Chloroethane	2.24	64	330634	98.738	ug/l	94
7) Trichlorofluoromethane	2.52	101	1662668	109.948	ug/l	97
8) Diethyl Ether	2.86	74	243676	127.643	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.13	101	957196	117.788	ug/l	98
10) Methyl Iodide	3.28	142	1418487	132.535	ug/l	99
11) Tert butyl alcohol	4.08	59	273291	664.176	ug/l #	92
12) 1,1-Dichloroethene	3.11	96	686747	113.243	ug/l	93
13) Acrolein	3.02	56	49995	145.071	ug/l	87
14) Allyl chloride	3.60	41	1159433	126.862	ug/l	97
15) Acrylonitrile	4.19	53	650089	696.270	ug/l	98
16) Acetone	3.22	43	1250917	626.545	ug/l	98
17) Carbon Disulfide	3.35	76	1948302	102.582	ug/l	100
18) Methyl Acetate	3.63	43	328232	125.989	ug/l #	92
19) Methyl tert-butyl Ether	4.23	73	1820492	134.199	ug/l	96
20) Methylene Chloride	3.80	84	791435	119.323	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	792584	122.167	ug/l	95
22) Diisopropyl ether	5.11	45	2546413	134.272	ug/l	96
23) Vinyl Acetate	5.05	43	7943773	672.385	ug/l	100
24) 1,1-Dichloroethane	4.96	63	1553177	127.592	ug/l	98
25) 2-Butanone	6.06	43	1173075	706.832	ug/l	95
26) 2,2-Dichloropropane	6.01	77	1681509	129.805	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	891118	126.523	ug/l	97
28) Bromochloromethane	6.43	49	551629	126.815	ug/l	95
29) Tetrahydrofuran	6.45	42	540766	693.063	ug/l	97
30) Chloroform	6.65	83	1902449	128.739	ug/l	100
31) Cyclohexane	6.94	56	966873	122.855	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	1808792	118.930	ug/l	95
36) 1,1-Dichloropropene	7.13	75	1243763	127.846	ug/l	93
37) Ethyl Acetate	6.18	43	538859	118.120	ug/l	99
38) Carbon Tetrachloride	7.09	117	1928243	131.008	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	1034261	121.933	ug/l	92
40) Benzene	7.45	78	2595447	130.662	ug/l	96
41) Methacrylonitrile	6.44	41	735586	139.418	ug/l #	90
42) 1,2-Dichloroethane	7.57	62	1401678	130.917	ug/l	99
43) Isopropyl Acetate	9.24	43	740873	139.405	ug/l #	100
44) Trichloroethene	8.53	130	1000220	130.307	ug/l	99
45) 1,2-Dichloropropane	8.93	63	649687	131.830	ug/l	93
46) Dibromomethane	9.05	93	533993	125.196	ug/l	93
47) Bromodichloromethane	9.37	83	1430267	130.680	ug/l	97
48) Methyl methacrylate	9.11	41	484622	129.244	ug/l	91
49) 1,4-Dioxane	9.07	88	90306	2838.043	ug/l #	90
51) 4-Methyl-2-Pentanone	10.30	43	2502557	662.643	ug/l	100
52) Toluene	10.50	92	1716569	129.691	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	1279903	139.892	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	1286461	130.385	ug/l	95
55) 1,1,2-Trichloroethane	11.18	97	588336	127.012	ug/l	95
56) Ethyl methacrylate	11.03	69	668499	134.779	ug/l	96
57) 1,3-Dichloropropane	11.40	76	891538	127.848	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.85	63	1773380	669.215	ug/l	100
59) 2-Hexanone	11.53	43	1986557	727.994	ug/l	94
60) Dibromochloromethane	11.68	129	1182805	136.879	ug/l	97
61) 1,2-Dibromoethane	11.80	107	720668	132.862	ug/l	95
64) Tetrachloroethene	11.25	164	825592	113.111	ug/l	97
65) Chlorobenzene	12.39	112	2077620	124.078	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	1029537	131.824	ug/l	98
67) Ethyl Benzene	12.52	91	3683550	123.108	ug/l	96
68) m/p-Xylenes	12.67	106	2619368	252.947	ug/l	97
69) o-Xylene	13.05	106	1242302	130.146	ug/l	97
70) Styrene	13.07	104	2168291	128.165	ug/l	99
71) Bromoform	13.23	173	712304	131.502	ug/l	99
73) Isopropylbenzene	13.40	105	3861519	130.344	ug/l	100
74) N-amyl acetate	13.27	43	1087947	146.752	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	708307	141.200	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	763508	138.550	ug/l	100
77) Bromobenzene	13.67	156	1100886	137.176	ug/l	98
78) n-propylbenzene	13.77	91	4073767	116.369	ug/l	99
79) 2-Chlorotoluene	13.84	91	2674142	134.192	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	3315561	132.225	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	208068	144.440	ug/l	86
82) 4-Chlorotoluene	13.95	91	3081687	128.684	ug/l	99
83) tert-Butylbenzene	14.18	119	3768477	133.943	ug/l	88
84) 1,2,4-Trimethylbenzene	14.23	105	3279005	128.479	ug/l	96
85) sec-Butylbenzene	14.37	105	3862071	126.705	ug/l	98
86) p-Isopropyltoluene	14.49	119	3479374	126.558	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	1869486	130.231	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	1827142	127.220	ug/l	97
89) n-Butylbenzene	14.79	91	3343789	128.187	ug/l	98
90) Hexachloroethane	15.00	117	1006361	134.722	ug/l	69
91) 1,2-Dichlorobenzene	14.80	146	1606807	128.867	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	142035	146.961	ug/l	96

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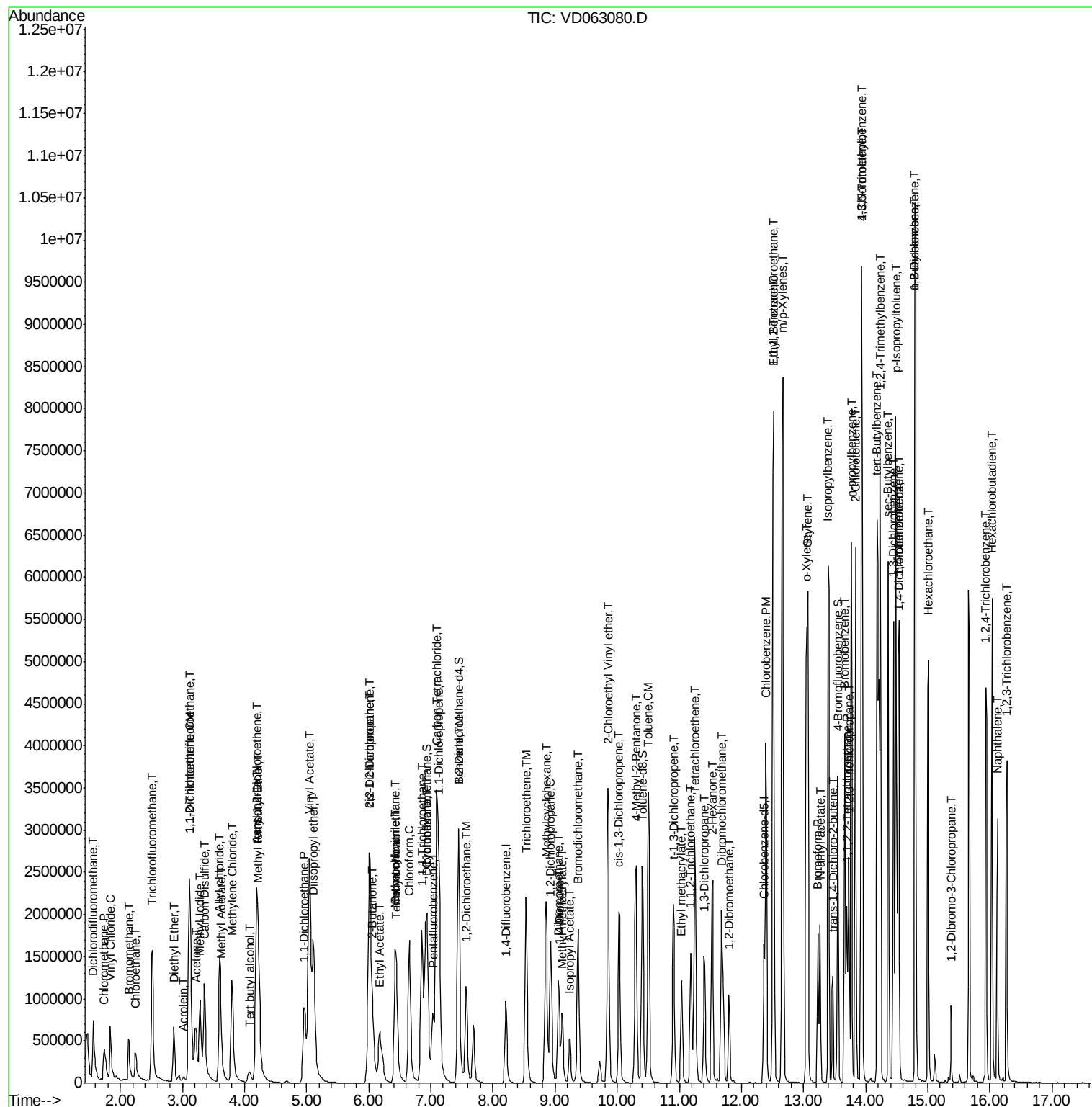
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	1307067	133.564	ug/l	98
94) Hexachlorobutadiene	16.03	225	937770	126.720	ug/l	99
95) Naphthalene	16.12	128	1894193	139.779	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	1017711	134.080	ug/l	100

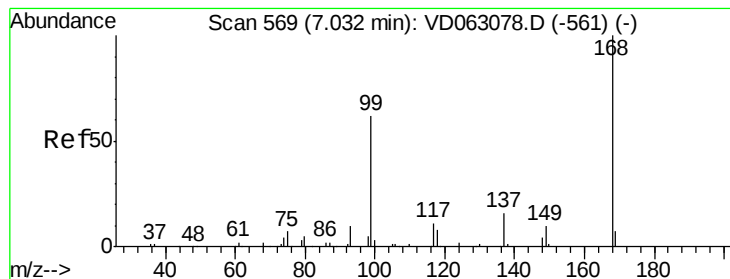
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

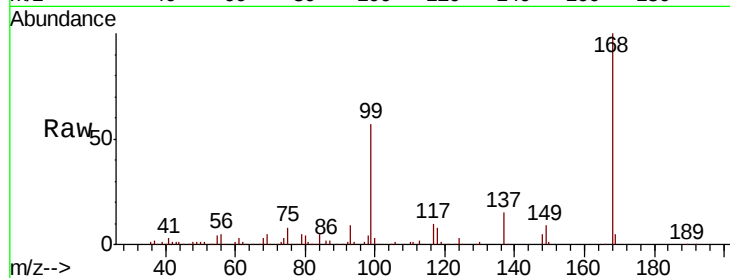
VSTDIC100

Tot Ion:168 Resp: 770401

Ion Ratio Lower Upper

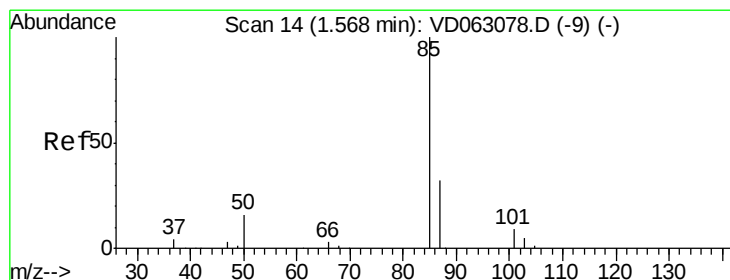
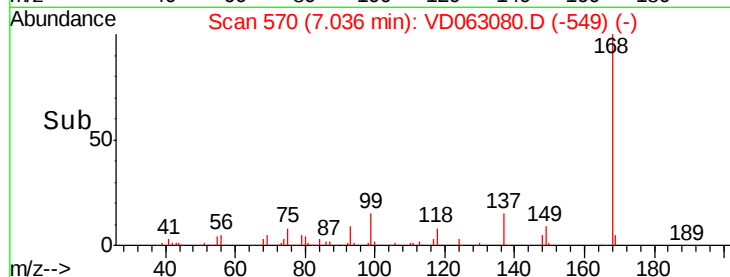
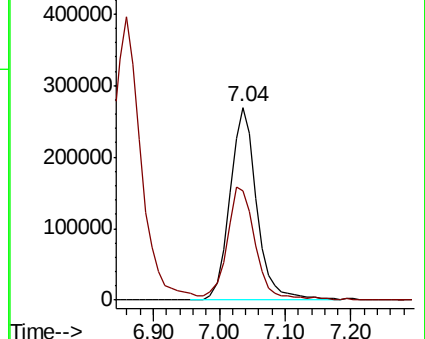
168 100

99 56.7 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 94.022 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD063080.D

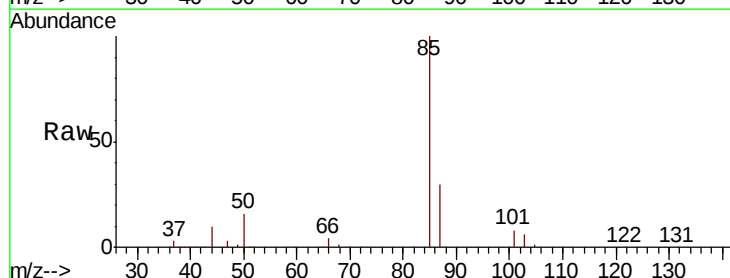
Acq: 15 Jul 2019 13:26

Tgt Ion: 85 Resp: 912154

Ion Ratio Lower Upper

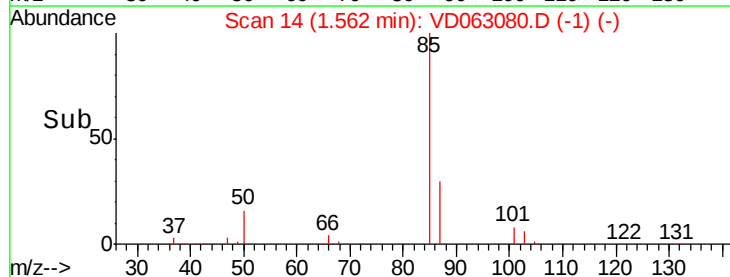
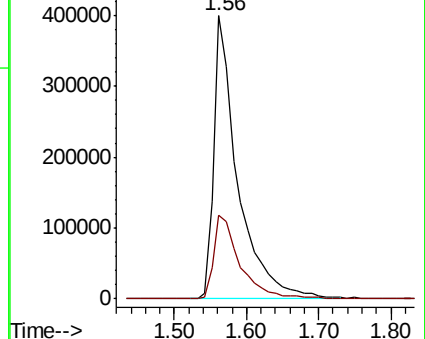
85 100

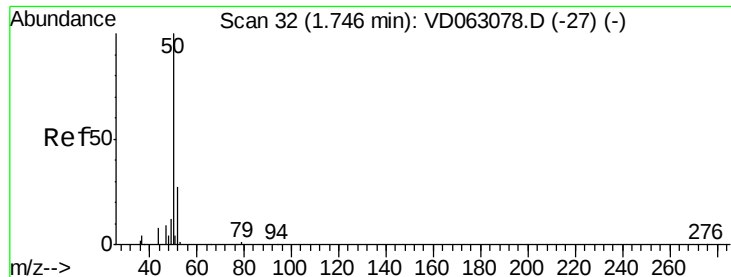
87 29.8 15.9 47.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 94.055 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

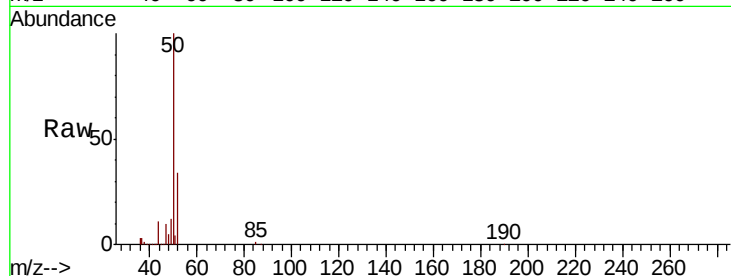
VSTDIC100

Tot Ion: 50 Resp: 697338

Ion Ratio Lower Upper

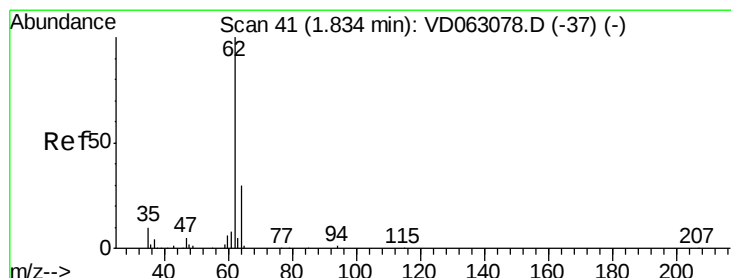
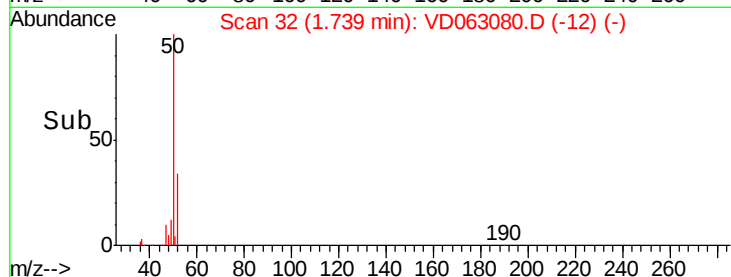
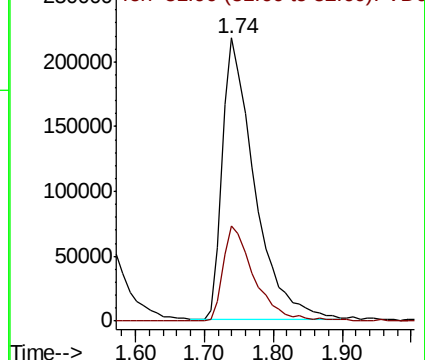
50 100

52 33.8 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 105.088 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063080.D

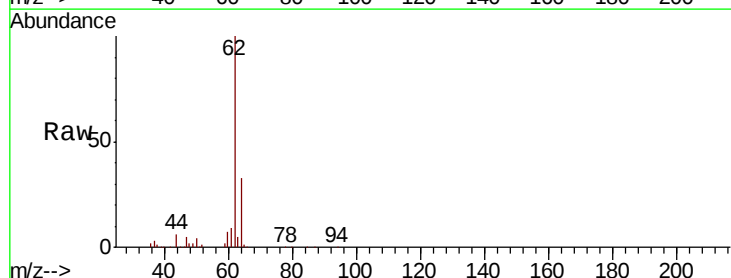
Acq: 15 Jul 2019 13:26

Tgt Ion: 62 Resp: 771189

Ion Ratio Lower Upper

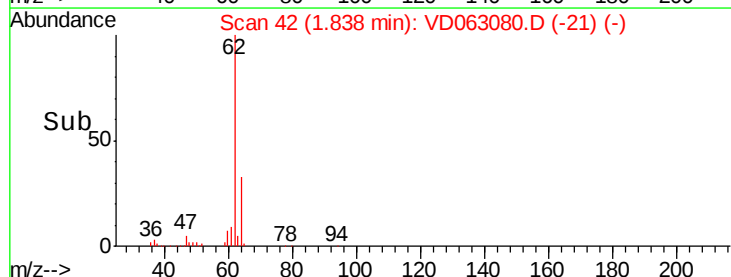
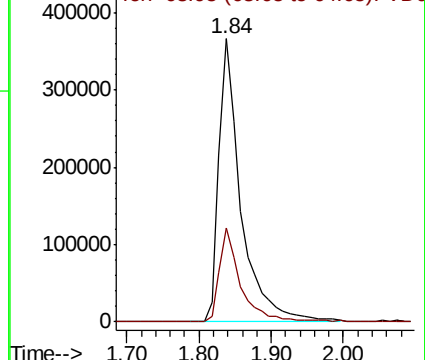
62 100

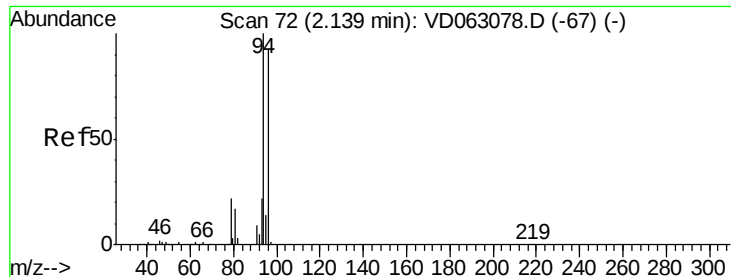
64 33.3 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 93.246 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

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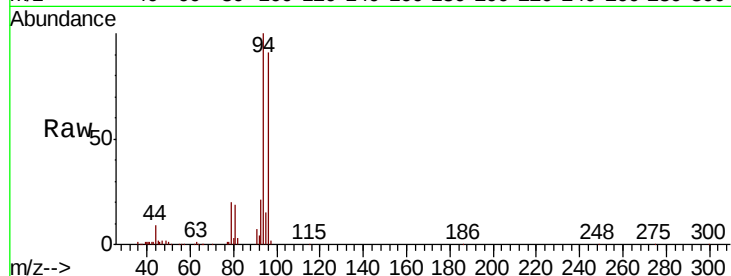
Tot Ion: 94 Resp: 311955

Ion Ratio Lower Upper

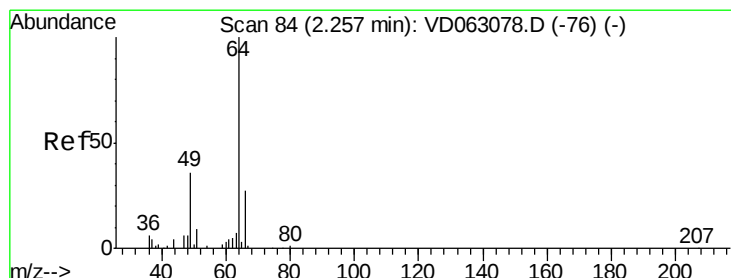
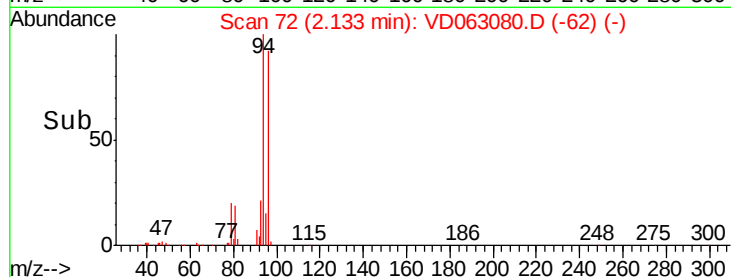
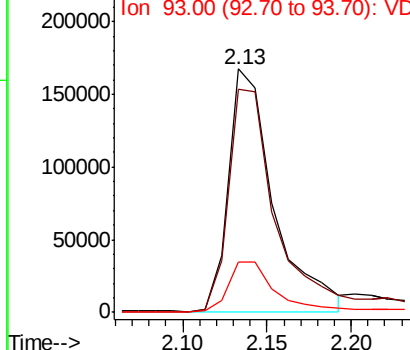
94 100

96 91.4 74.2 111.2

93 20.5 17.8 26.6



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 98.738 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD063080.D

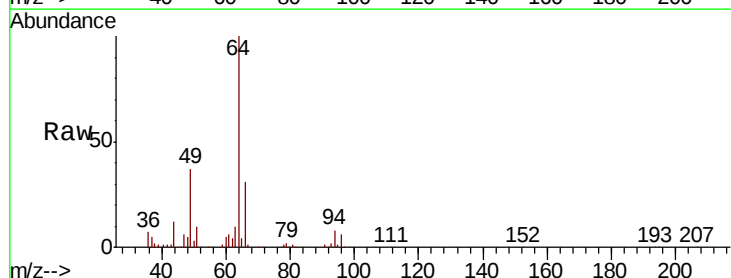
Acq: 15 Jul 2019 13:26

Tgt Ion: 64 Resp: 330634

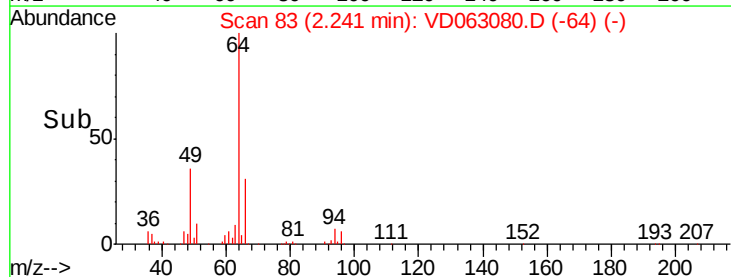
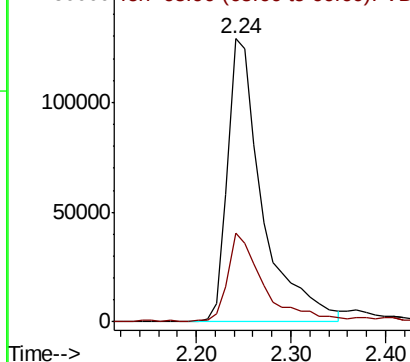
Ion Ratio Lower Upper

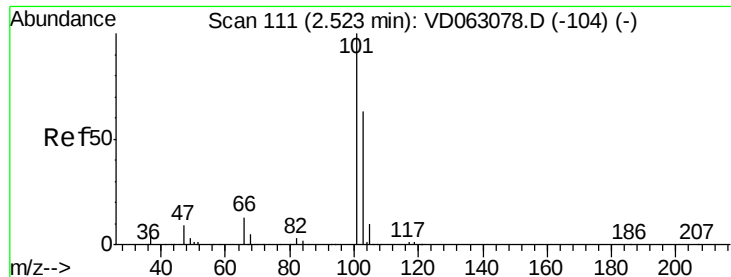
64 100

66 31.4 22.5 33.7



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



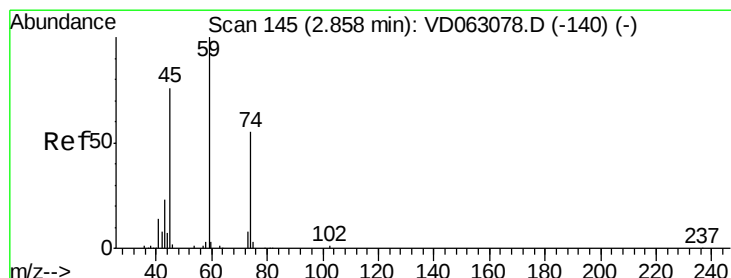
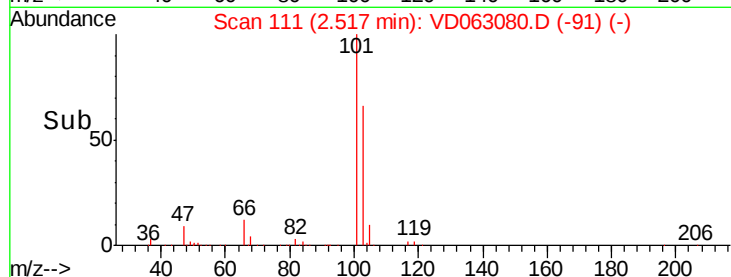
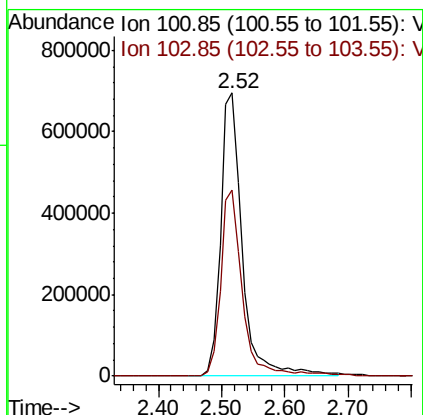
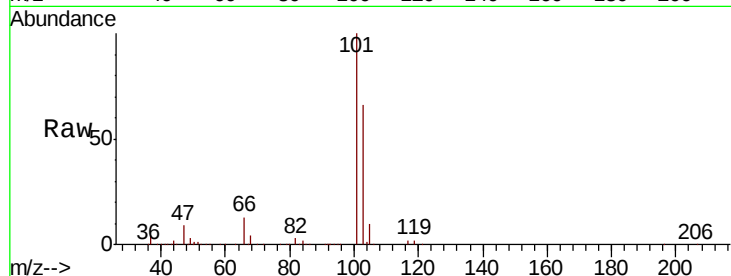


#7

Trichlorofluoromethane
Concen: 109.948 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

Instrument :
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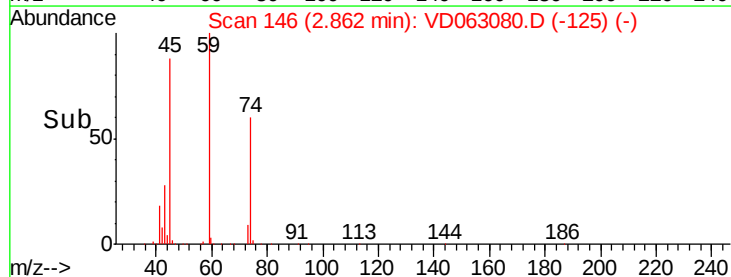
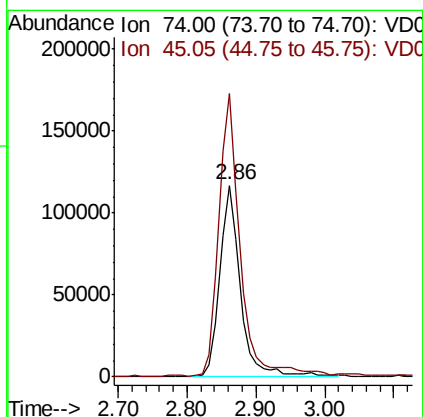
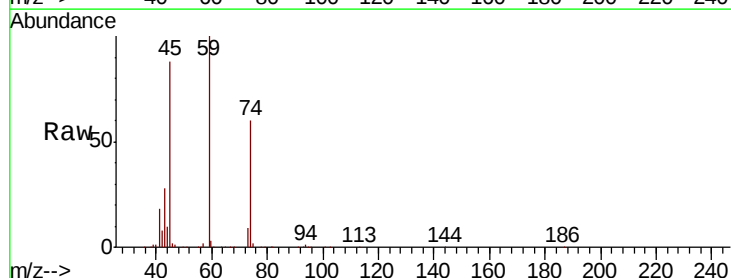
Tot Ion:101 Resp: 1662668
Ion Ratio Lower Upper
101 100
103 65.8 50.6 76.0

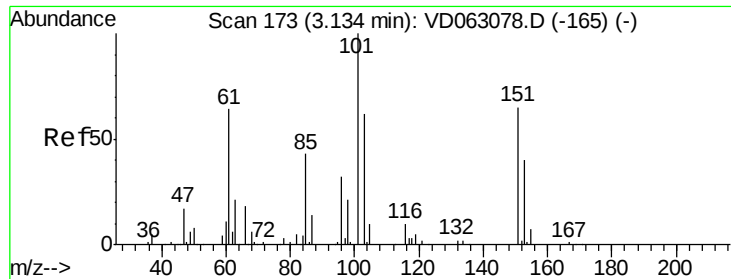


#8

Diethyl Ether
Concen: 127.643 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

Tgt Ion: 74 Resp: 243676
Ion Ratio Lower Upper
74 100
45 147.7 69.5 208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 117.788 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

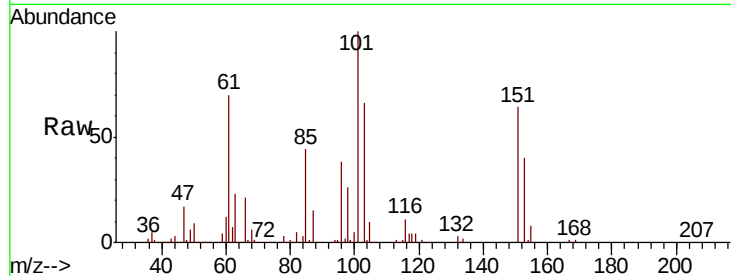
Tot Ion:101 Resp: 957196

Ion Ratio Lower Upper

101 100

85 44.4 34.6 51.8

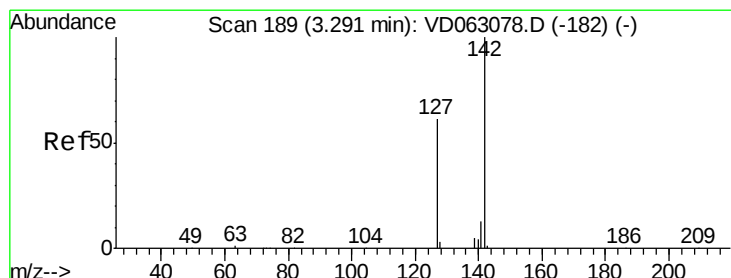
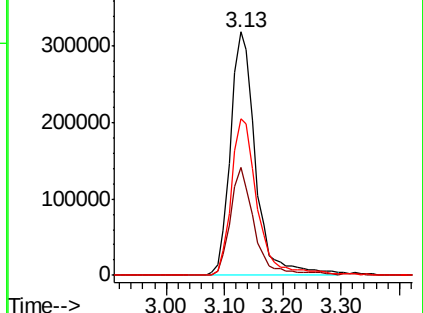
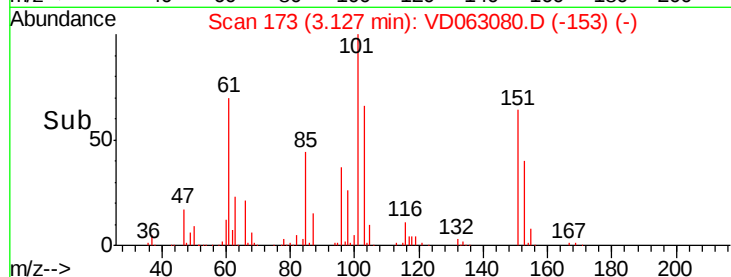
151 64.3 52.4 78.6



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: 132.535 ug/l

RT: 3.28 min Scan# 189

Delta R.T. -0.01 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

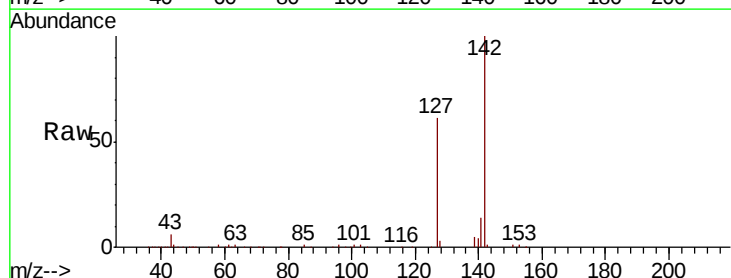
Tgt Ion:142 Resp: 1418487

Ion Ratio Lower Upper

142 100

127 61.0 48.6 73.0

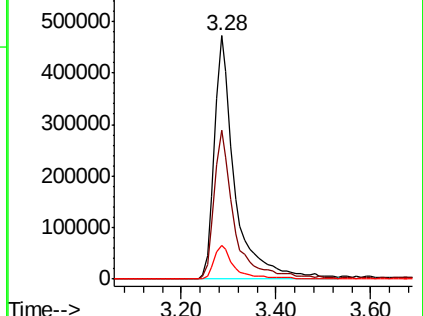
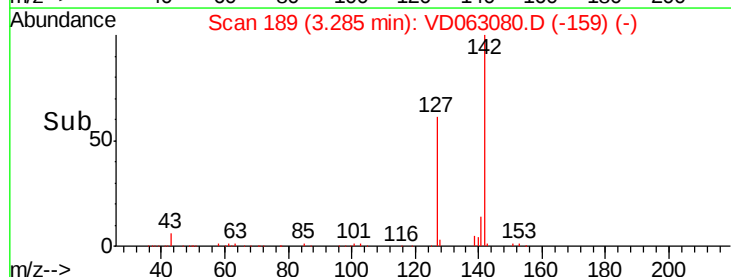
141 14.0 10.6 16.0

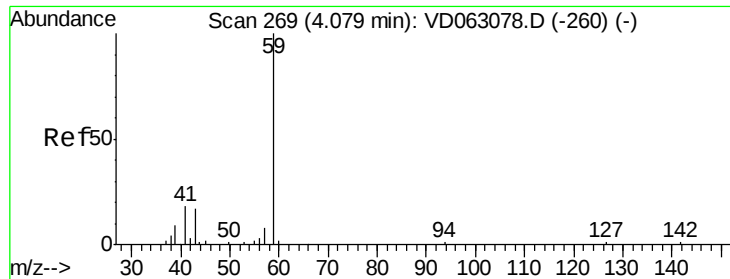


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

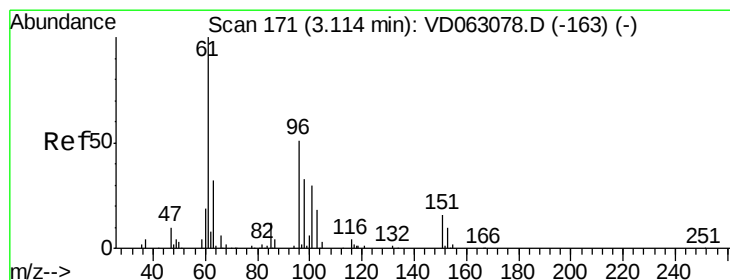
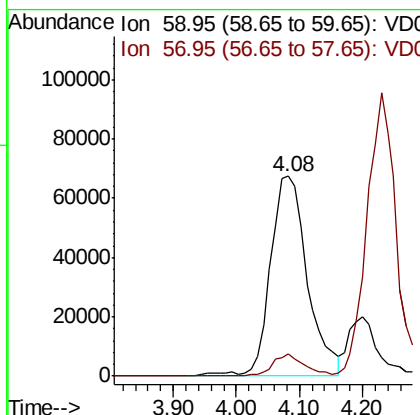
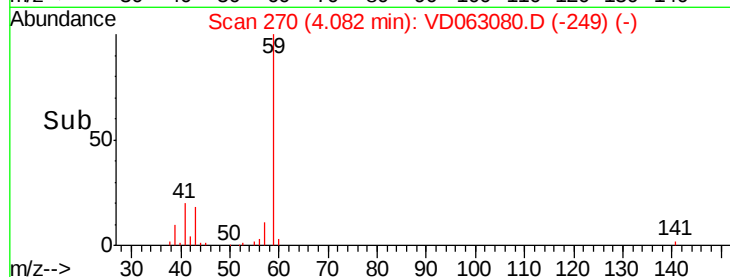
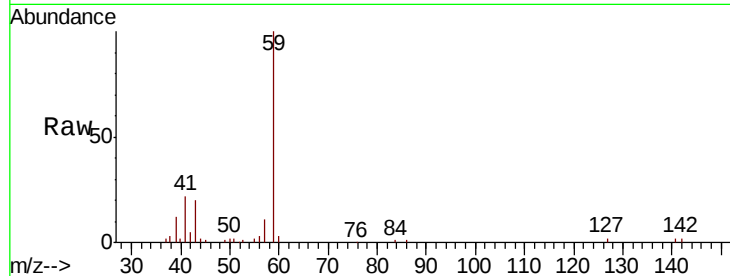




#11
Tert butyl alcohol
Concen: 664.176 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.00 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

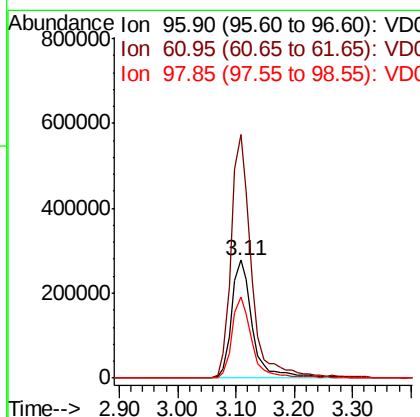
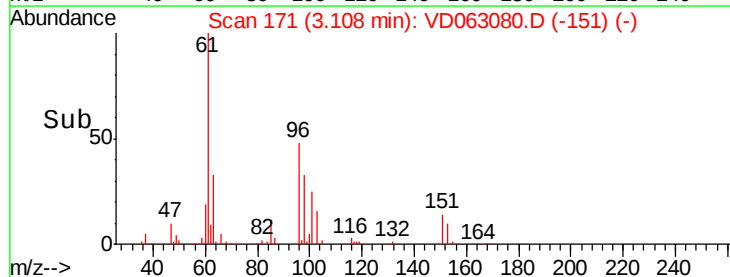
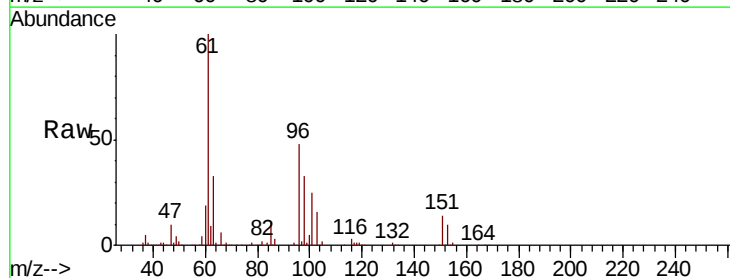
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

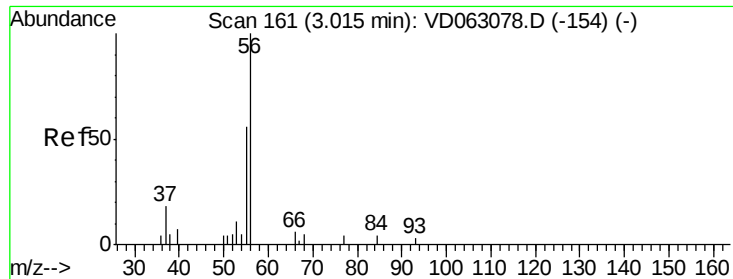
Tot Ion: 59 Resp: 273291
Ion Ratio Lower Upper
59 100
57 10.9 6.4 9.6#



#12
1,1-Dichloroethene
Concen: 113.243 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.01 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

Tgt Ion: 96 Resp: 686747
Ion Ratio Lower Upper
96 100
61 206.6 155.5 233.3
98 68.3 51.5 77.3





#13

Acrolein

Concen: 145.071 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

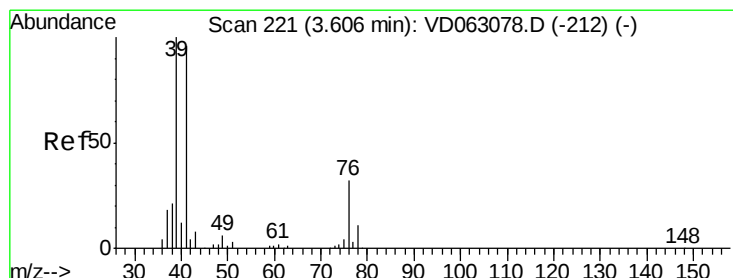
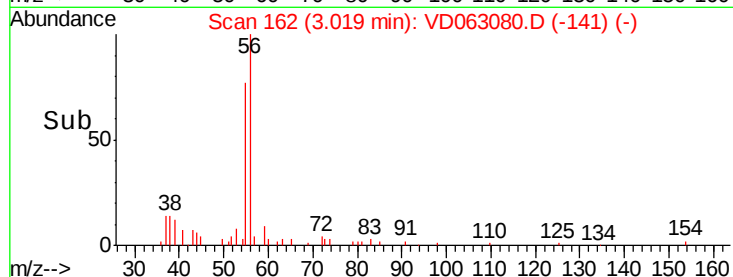
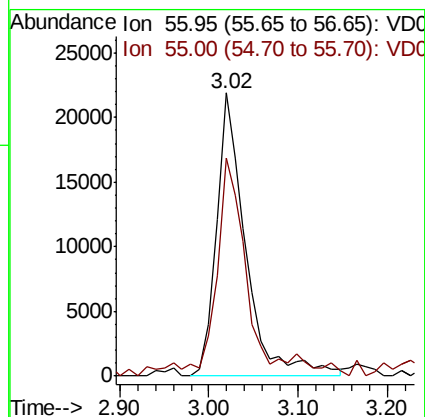
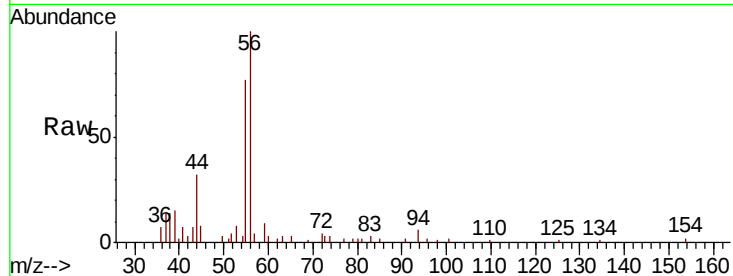
VSTDIC100

Tot Ion: 56 Resp: 49995

Ion Ratio Lower Upper

56 100

55 76.9 53.0 79.4



#14

Allyl chloride

Concen: 126.862 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.01 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

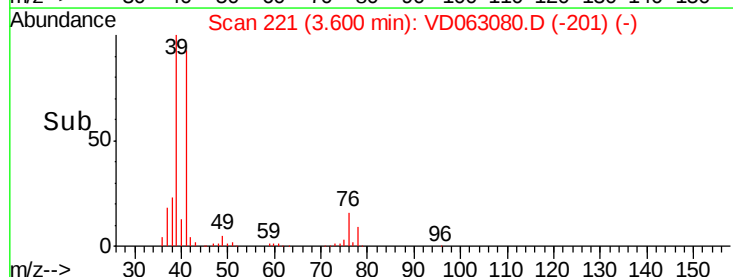
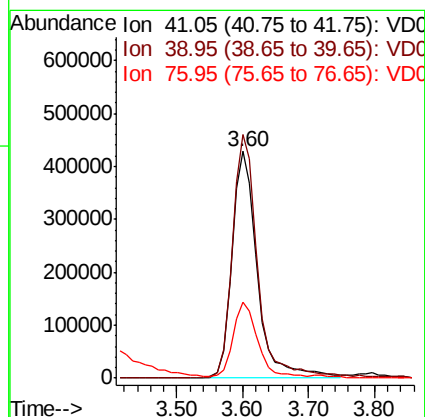
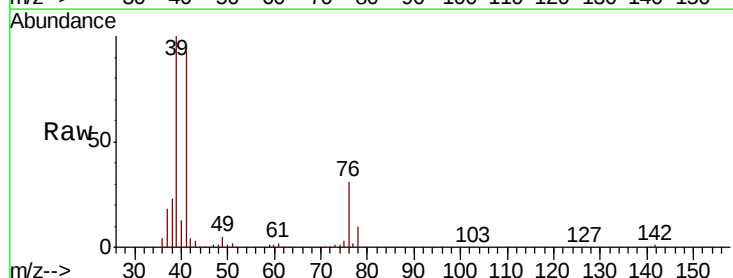
Tgt Ion: 41 Resp: 1159433

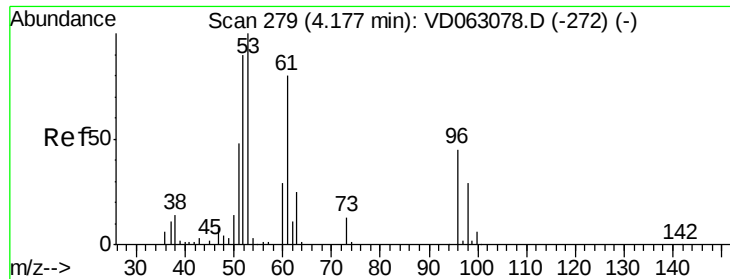
Ion Ratio Lower Upper

41 100

39 107.5 83.5 125.3

76 33.6 27.8 41.8





#15

Acrylonitrile

Concen: 696.270 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

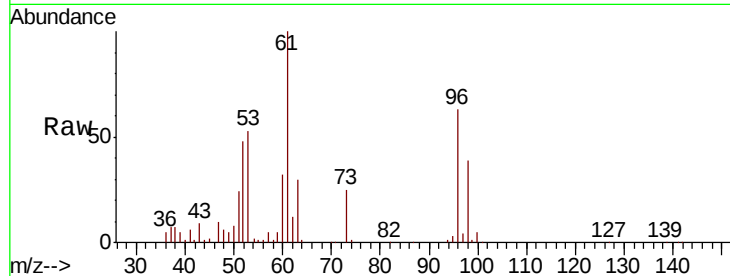
Tot Ion: 53 Resp: 650089

Ion Ratio Lower Upper

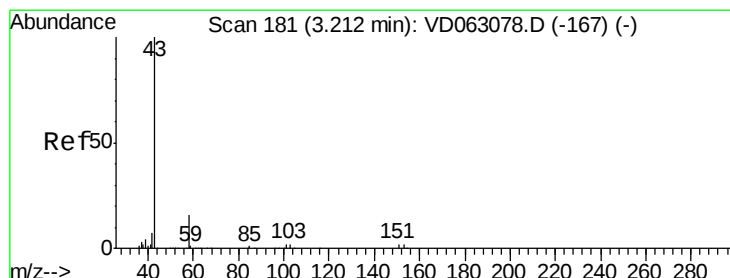
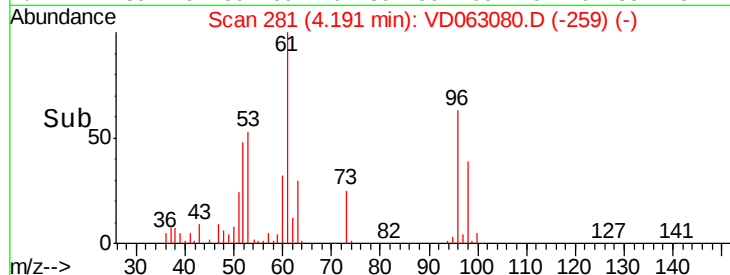
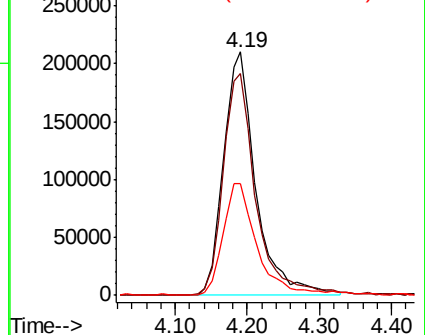
53 100

52 91.3 72.3 108.5

51 45.8 38.0 57.0



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 626.545 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063080.D

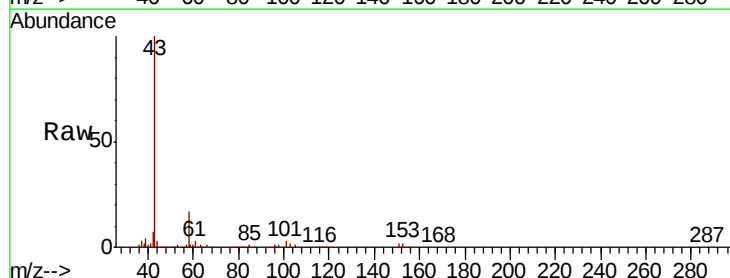
Acq: 15 Jul 2019 13:26

Tgt Ion: 43 Resp: 1250917

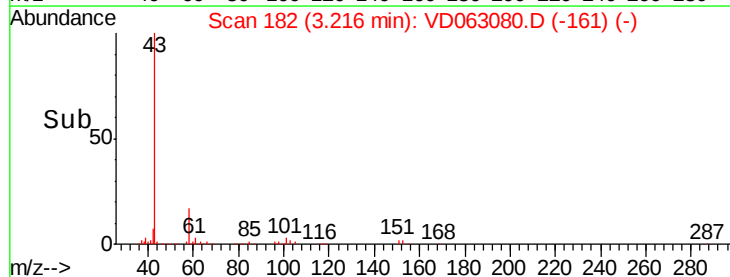
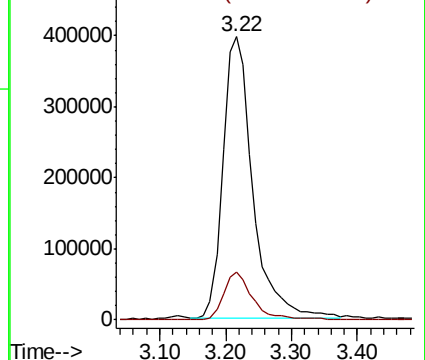
Ion Ratio Lower Upper

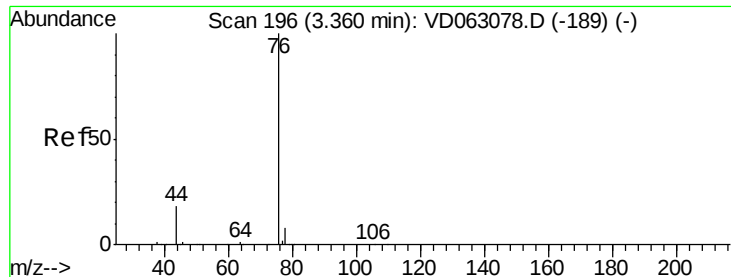
43 100

58 17.1 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

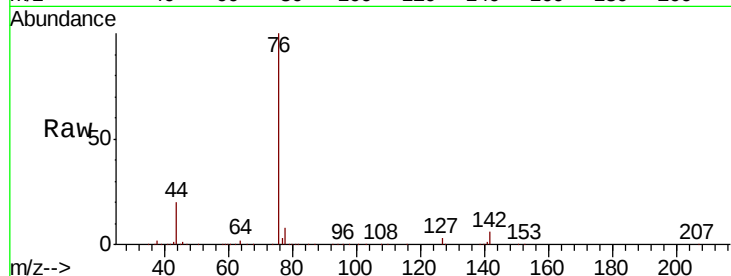




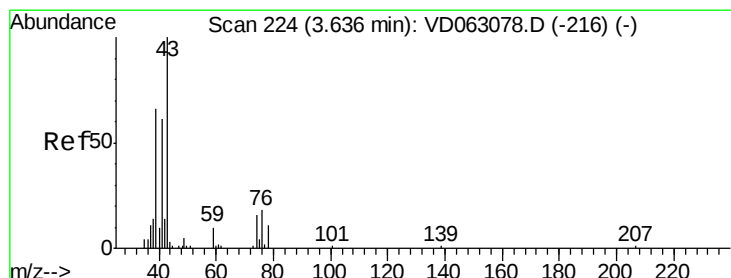
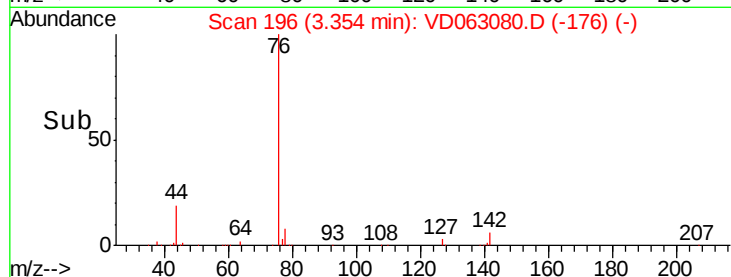
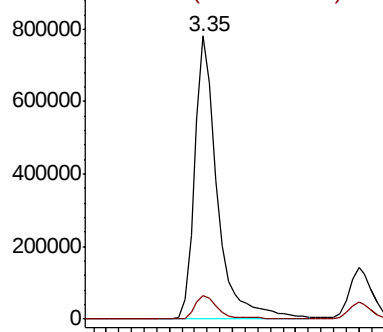
#17
Carbon Disulfide
Concen: 102.582 ug/l
RT: 3.35 min Scan# 196
Delta R.T. -0.01 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 1948302
Ion Ratio Lower Upper
76 100
78 8.3 6.7 10.1

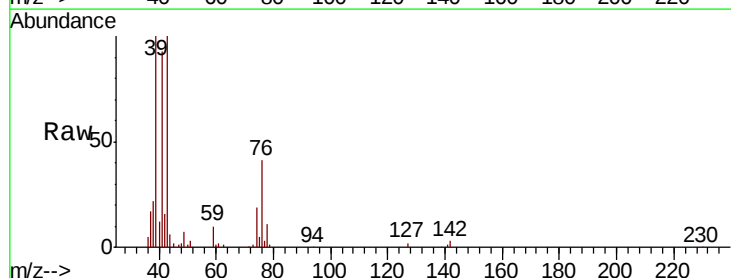


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

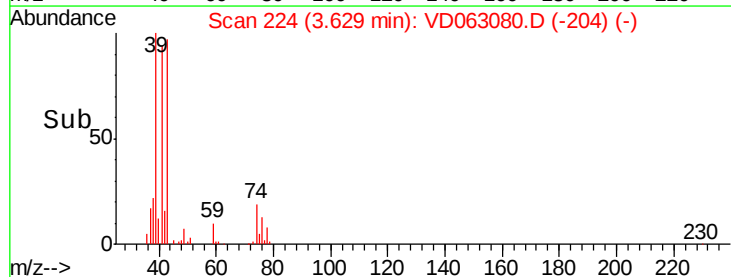
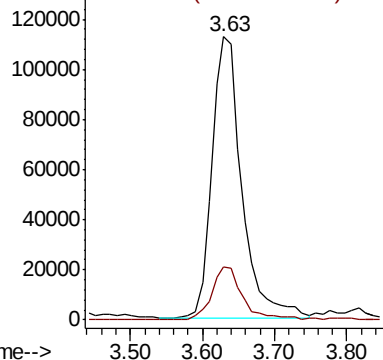


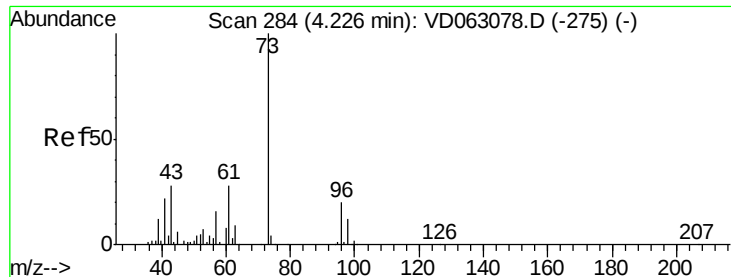
#18
Methyl Acetate
Concen: 125.989 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

Tgt Ion: 43 Resp: 328232
Ion Ratio Lower Upper
43 100
74 18.8 12.5 18.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



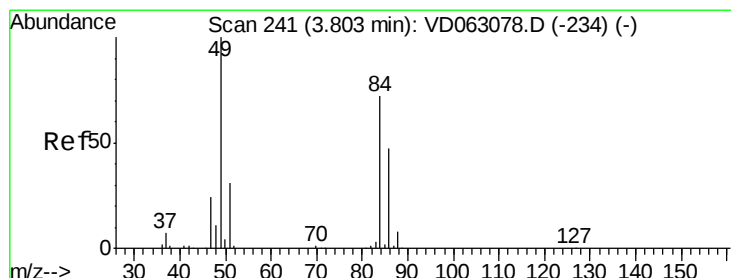
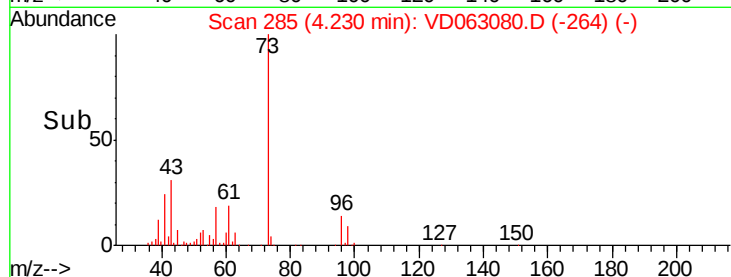
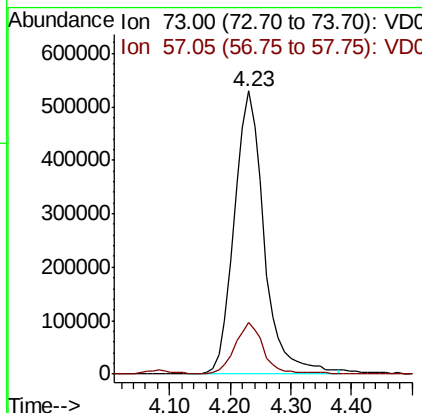
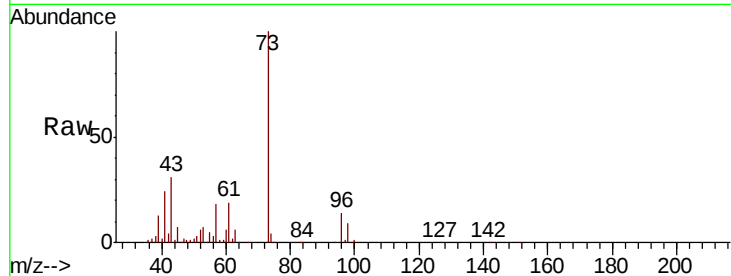


#19

Methyl tert-butyl Ether
 Concen: 134.199 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. 0.00 min
 Lab File: VD063080.D
 Acq: 15 Jul 2019 13:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

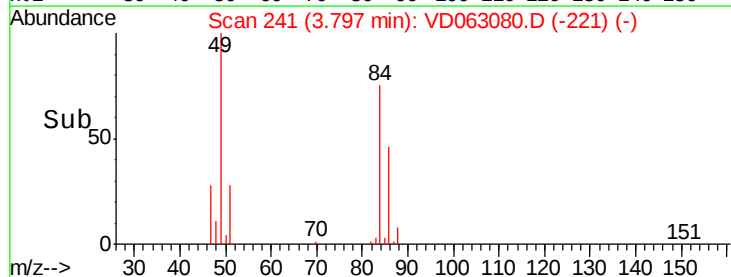
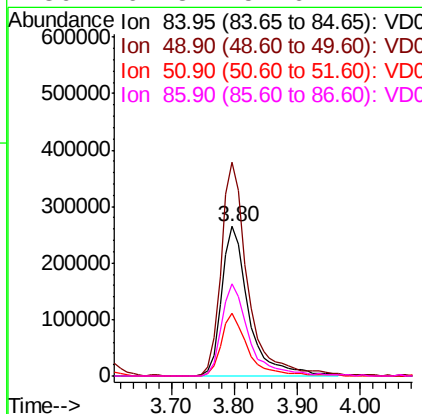
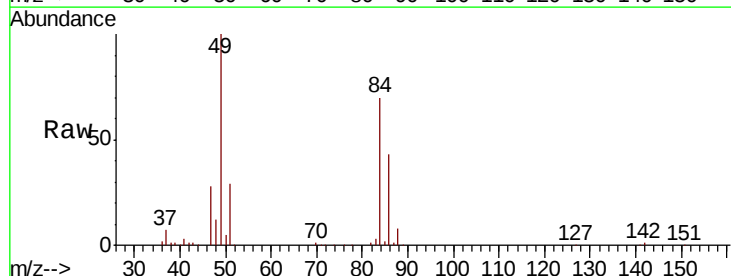
Tot Ion: 73 Resp: 1820492
 Ion Ratio Lower Upper
 73 100
 57 18.0 13.1 19.7

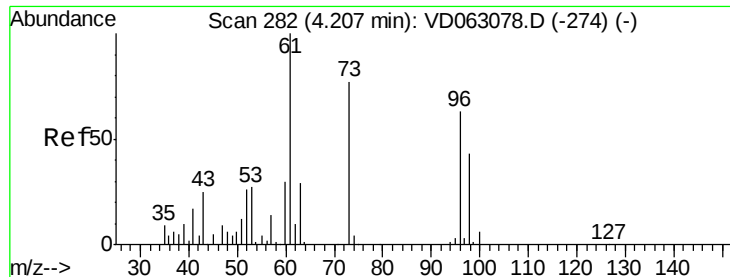


#20

Methylene Chloride
 Concen: 119.323 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VD063080.D
 Acq: 15 Jul 2019 13:26

Tgt Ion: 84 Resp: 791435
 Ion Ratio Lower Upper
 84 100
 49 142.8 110.5 165.7
 51 41.8 34.6 51.8
 86 61.8 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 122.167 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

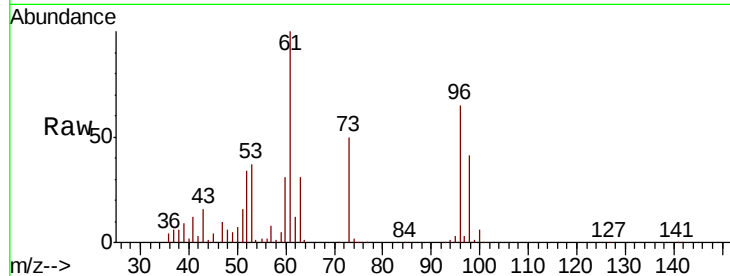
Tot Ion: 96 Resp: 792584

Ion Ratio Lower Upper

96 100

61 153.9 128.0 192.0

98 63.2 55.2 82.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

500000

400000

300000

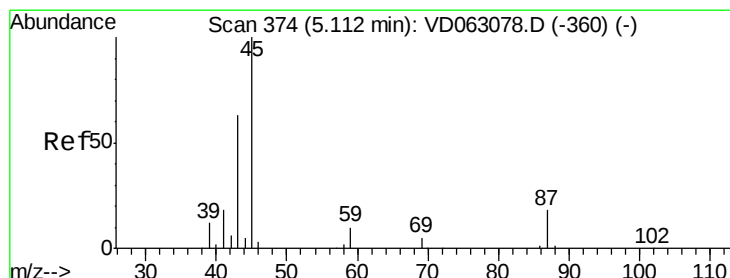
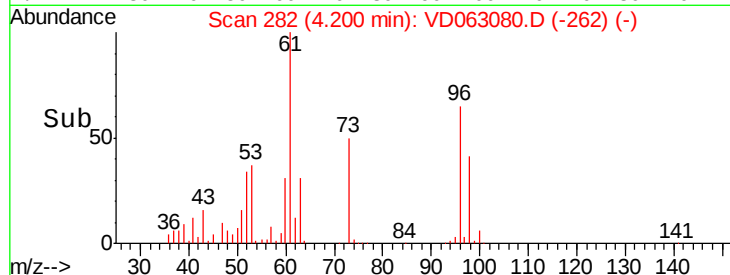
200000

100000

0

4.10 4.20 4.30 4.40

Time-->



#22

Diisopropyl ether

Concen: 134.272 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Tgt Ion: 45 Resp: 2546413

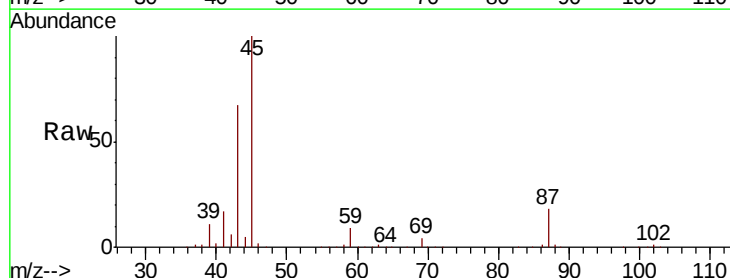
Ion Ratio Lower Upper

45 100

43 67.1 50.5 75.7

87 18.2 15.1 22.7

59 8.9 7.6 11.4



Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

3000000

2500000

2000000

1500000

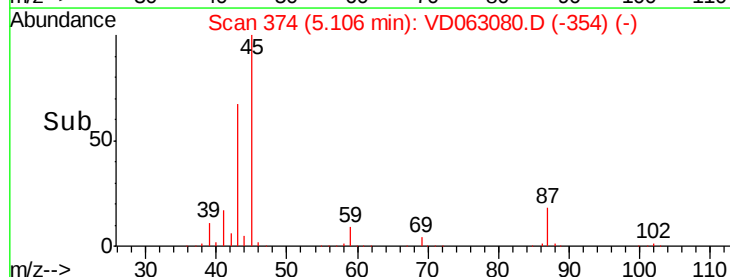
1000000

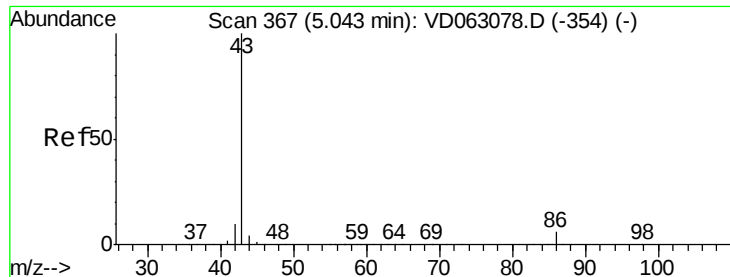
500000

0

5.00 5.10 5.20

Time-->

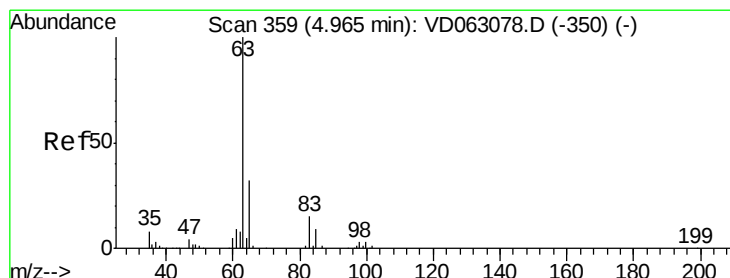
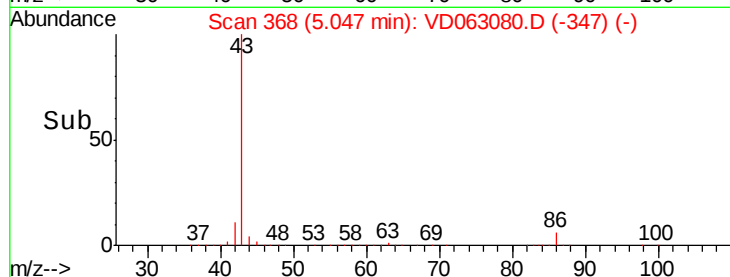
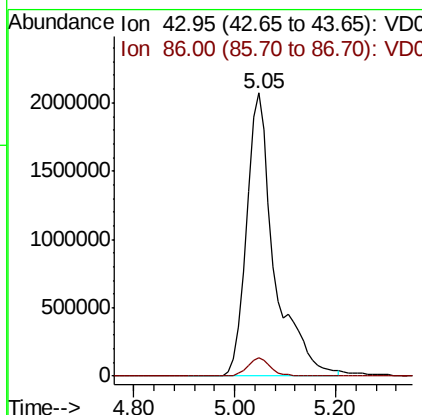
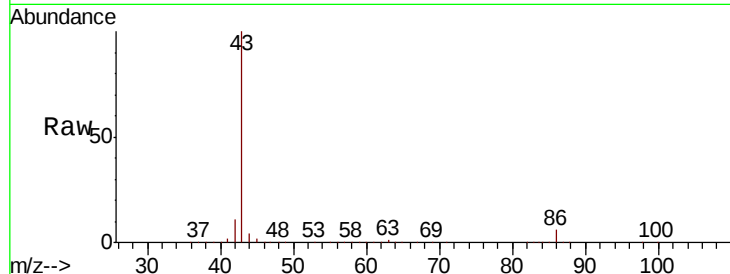




#23
 Vinyl Acetate
 Concen: 672.385 ug/l
 RT: 5.05 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VD063080.D
 Acq: 15 Jul 2019 13:26

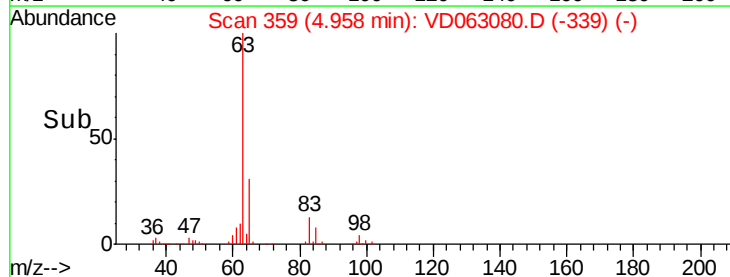
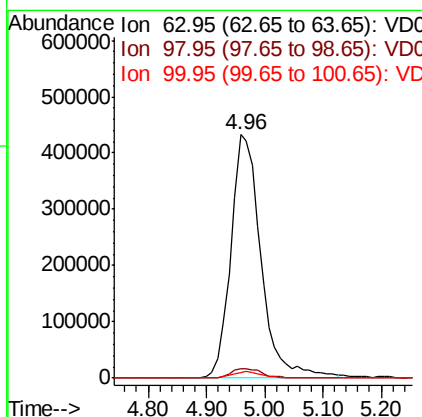
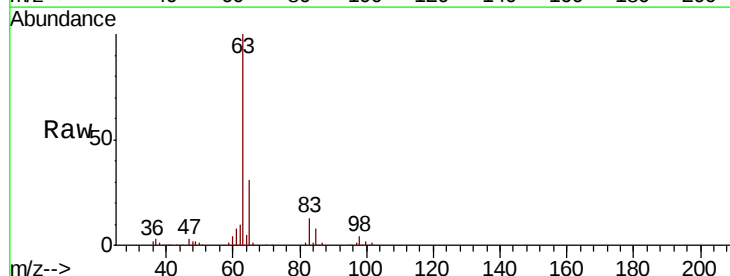
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

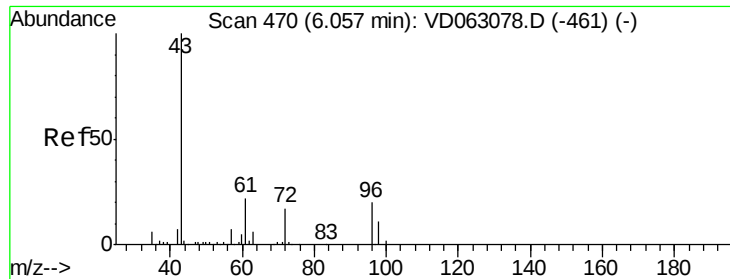
Tot Ion: 43 Resp: 7943773
 Ion Ratio Lower Upper
 43 100
 86 6.4 5.0 7.6



#24
 1,1-Dichloroethane
 Concen: 127.592 ug/l
 RT: 4.96 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VD063080.D
 Acq: 15 Jul 2019 13:26

Tgt Ion: 63 Resp: 1553177
 Ion Ratio Lower Upper
 63 100
 98 3.9 1.7 5.1
 100 2.5 1.5 4.5





#25

2-Butanone

Concen: 706.832 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

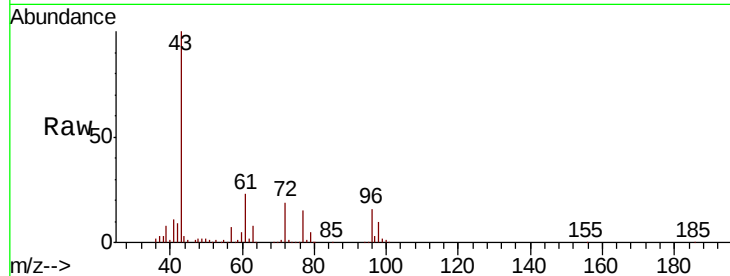
VSTDIC100

Tot Ion: 43 Resp: 1173075

Ion Ratio Lower Upper

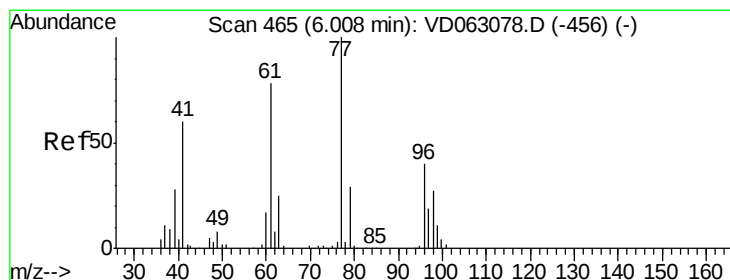
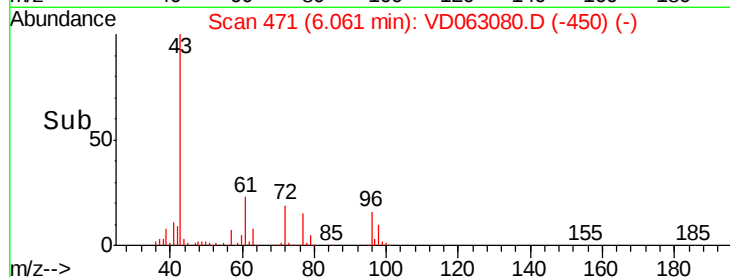
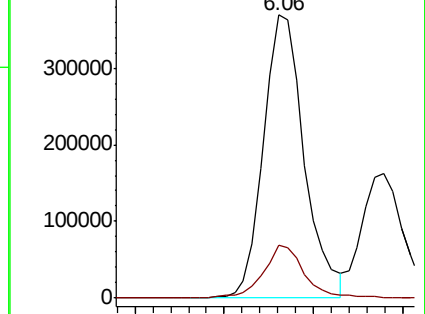
43 100

72 18.9 13.4 20.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 129.805 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD063080.D

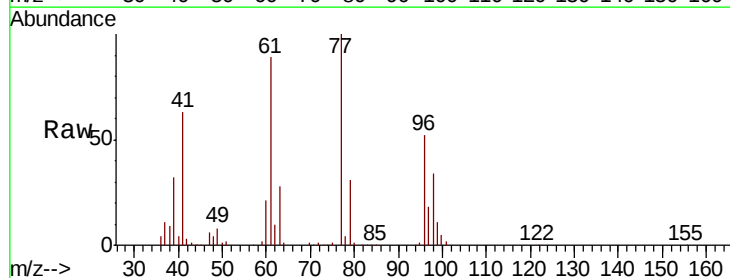
Acq: 15 Jul 2019 13:26

Tgt Ion: 77 Resp: 1681509

Ion Ratio Lower Upper

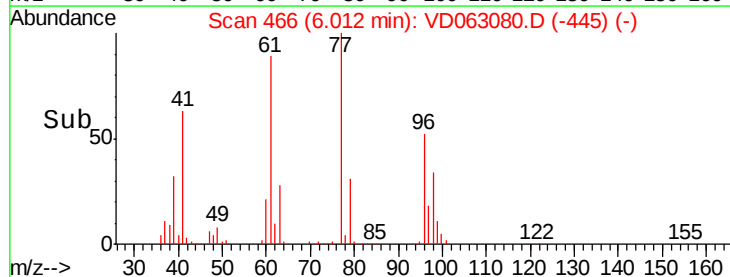
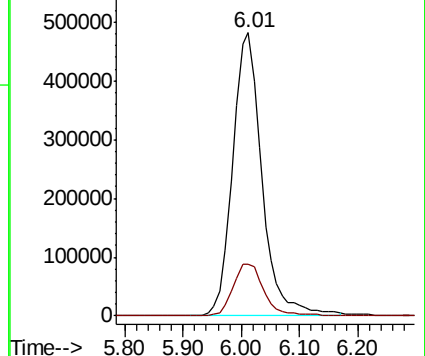
77 100

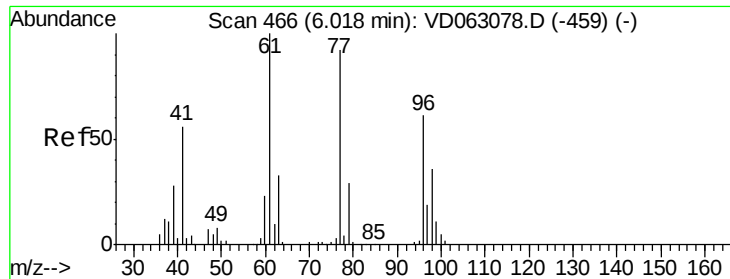
97 18.3 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



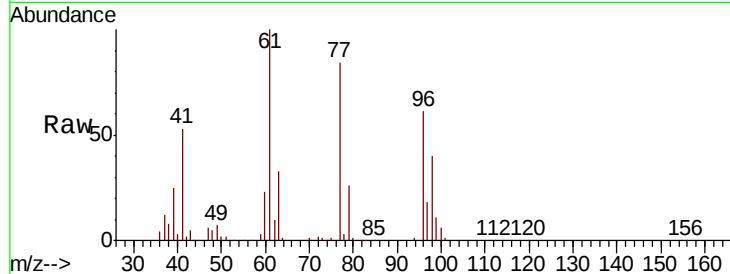


#27

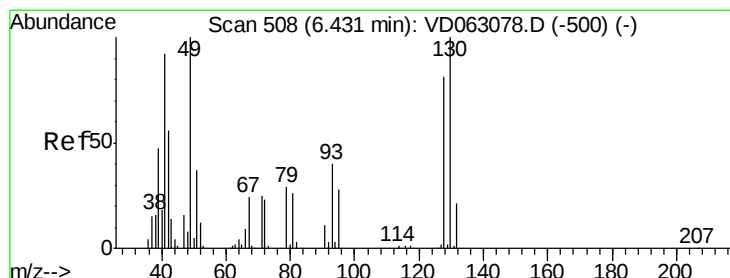
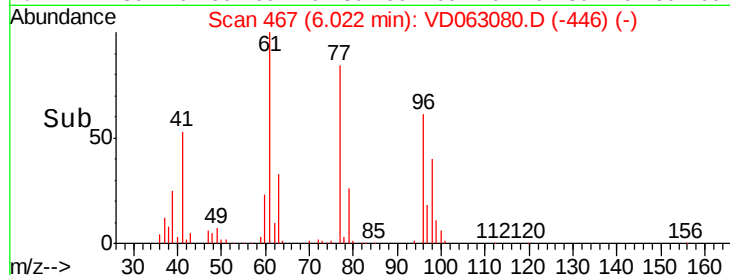
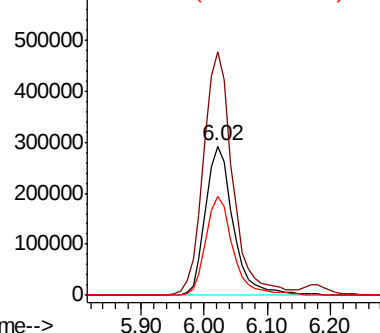
cis-1,2-Dichloroethene
 Concen: 126.523 ug/l
 RT: 6.02 min Scan# 467
 Delta R.T. 0.00 min
 Lab File: VD063080.D
 Acq: 15 Jul 2019 13:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 96 Resp: 891118
 Ion Ratio Lower Upper
 96 100
 61 162.9 0.0 329.6
 98 65.9 0.0 118.4



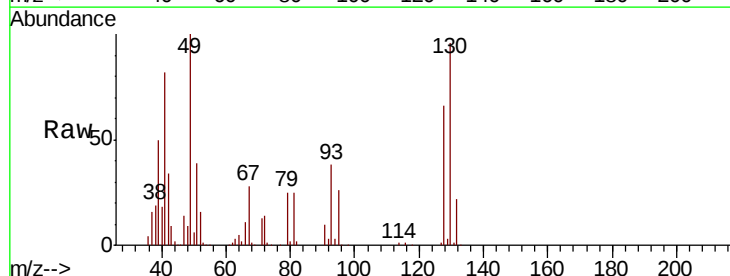
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



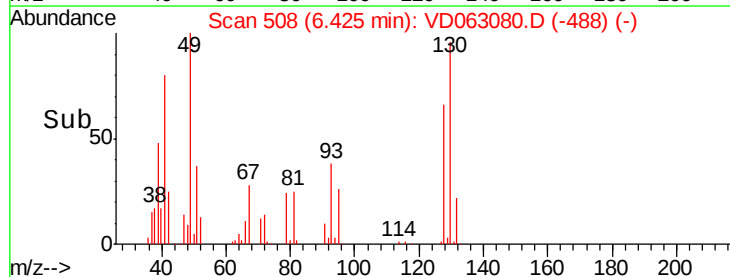
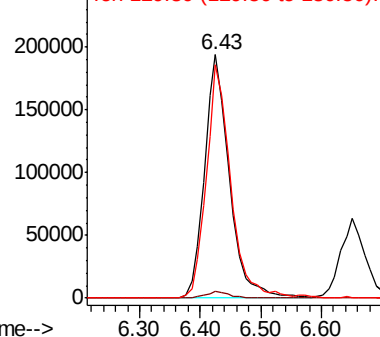
#28

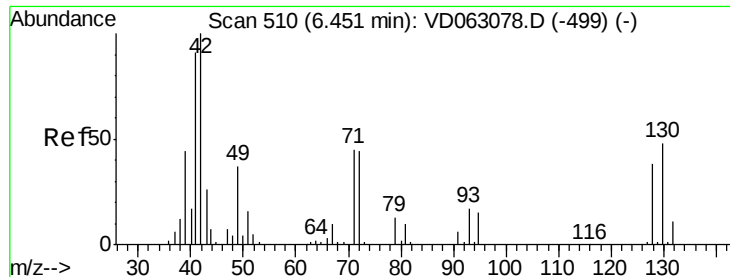
Bromochloromethane
 Concen: 126.815 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.01 min
 Lab File: VD063080.D
 Acq: 15 Jul 2019 13:26

Tgt Ion: 49 Resp: 551629
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 3.6
 130 95.8 80.3 120.5



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC

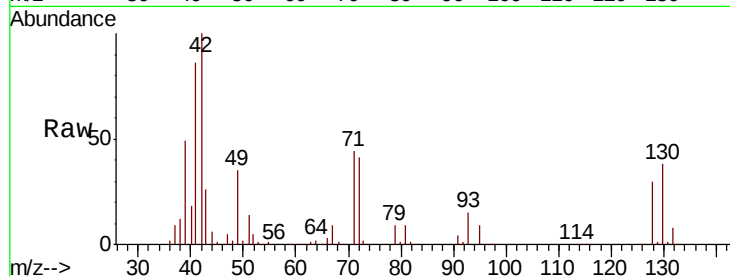




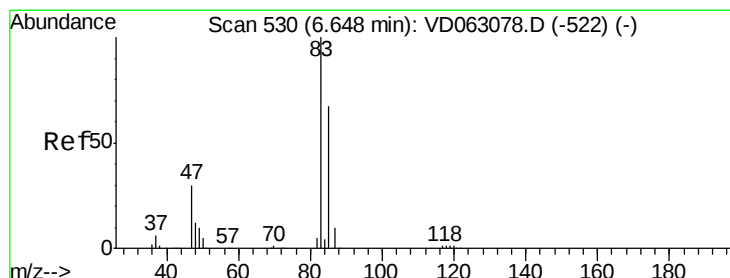
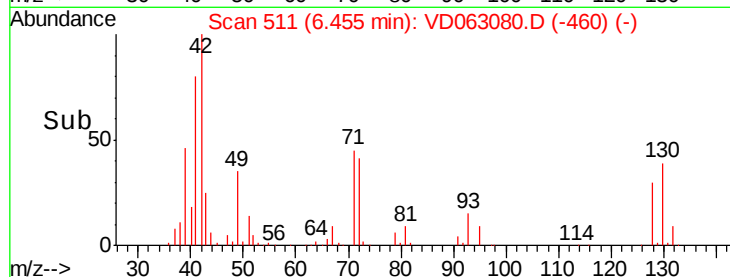
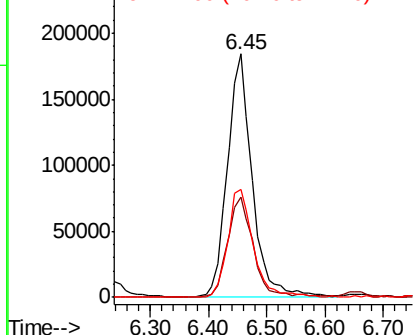
#29
Tetrahydrofuran
Concen: 693.063 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 540766
Ion Ratio Lower Upper
42 100
72 43.1 33.7 50.5
71 46.1 34.2 51.2

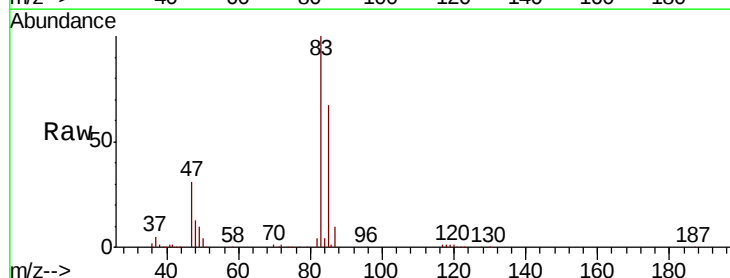


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

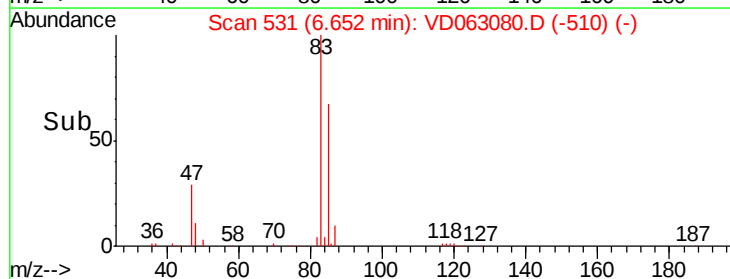
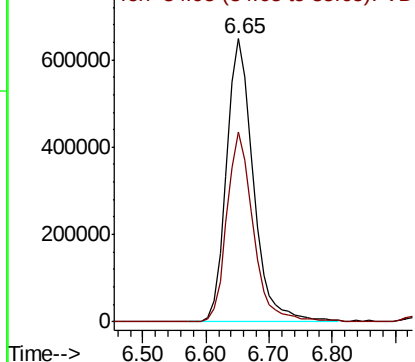


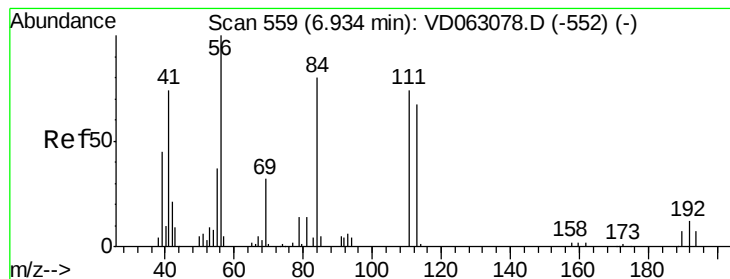
#30
Chloroform
Concen: 128.739 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.00 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

Tgt Ion: 83 Resp: 1902449
Ion Ratio Lower Upper
83 100
85 67.0 53.8 80.8



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 122.855 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

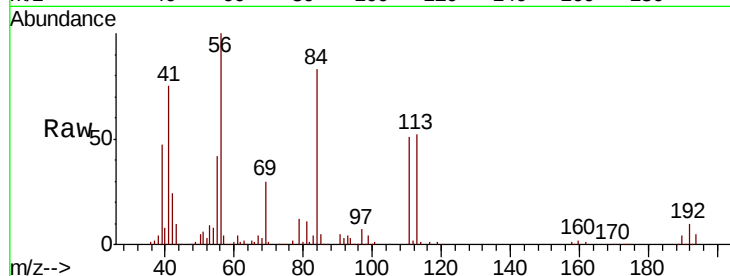
Tot Ion: 56 Resp: 966873

Ion Ratio Lower Upper

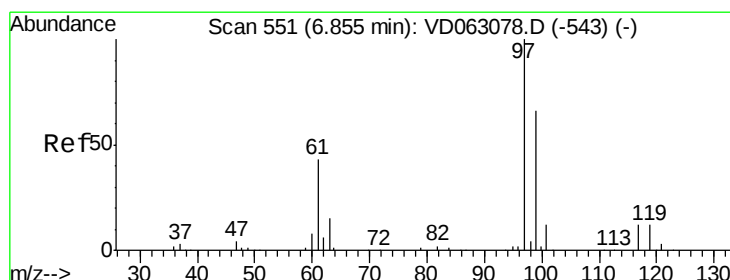
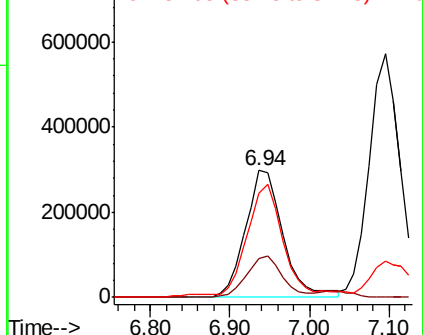
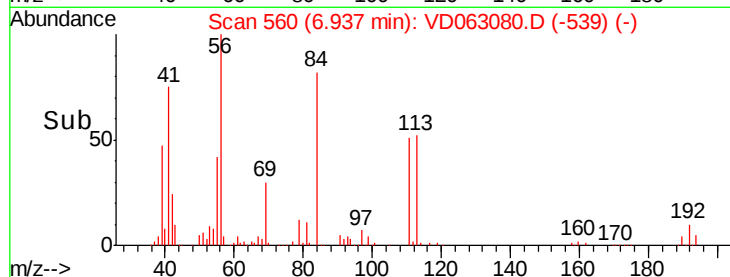
56 100

69 30.3 25.3 37.9

84 82.7 64.2 96.4



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 118.930 ug/l

RT: 6.86 min Scan# 552

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

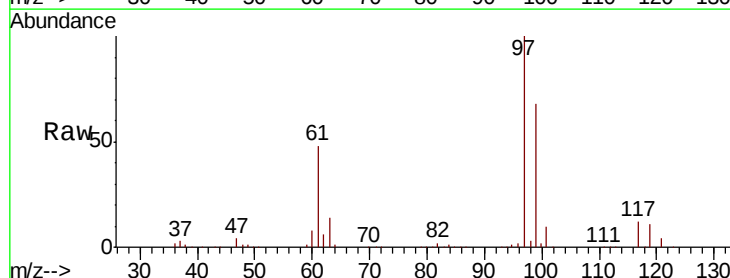
Tgt Ion: 97 Resp: 1808792

Ion Ratio Lower Upper

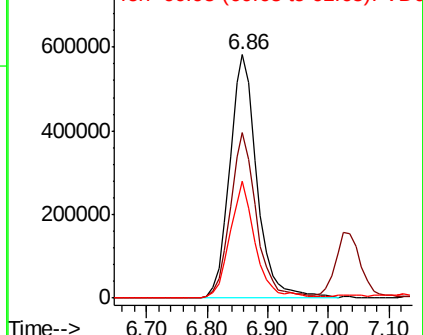
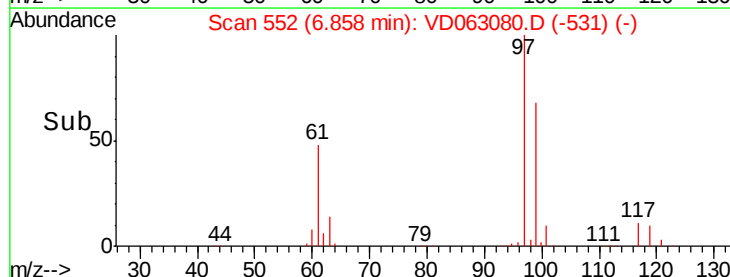
97 100

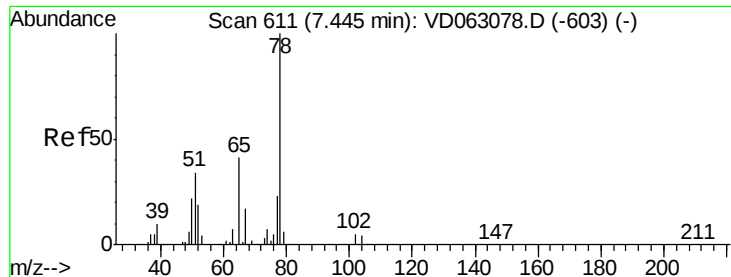
99 67.9 52.9 79.3

61 48.1 34.4 51.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

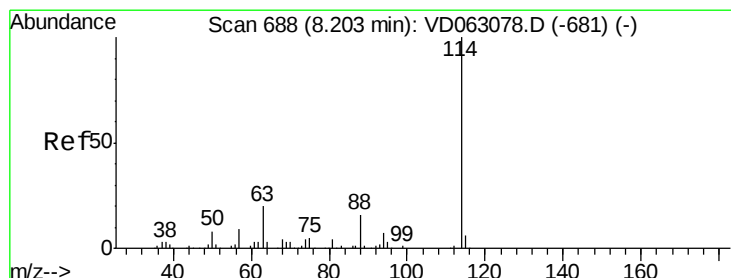
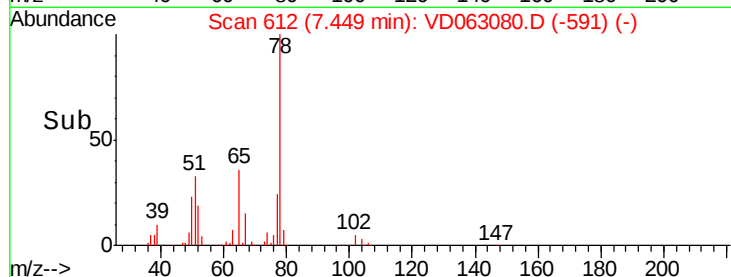
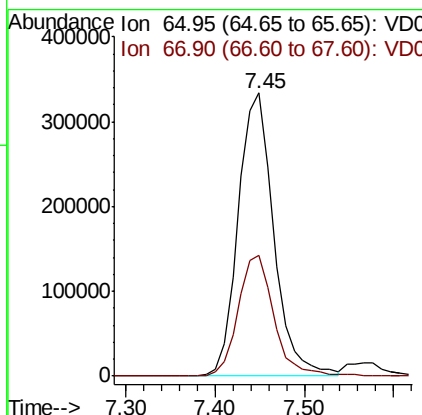
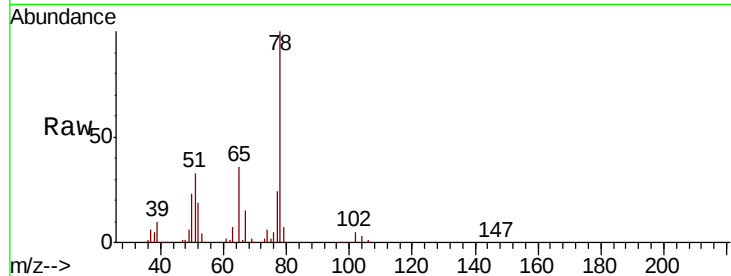




#33
 1,2-Dichloroethane-d4
 Concen: 107.261 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD063080.D
 Acq: 15 Jul 2019 13:26

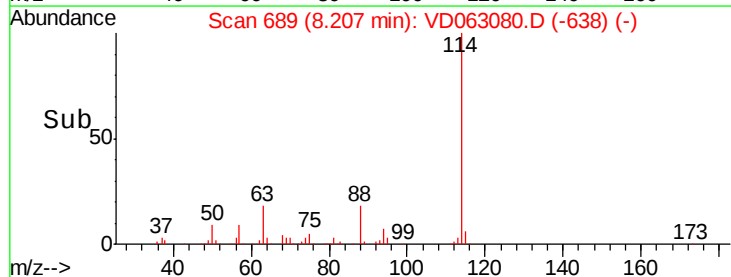
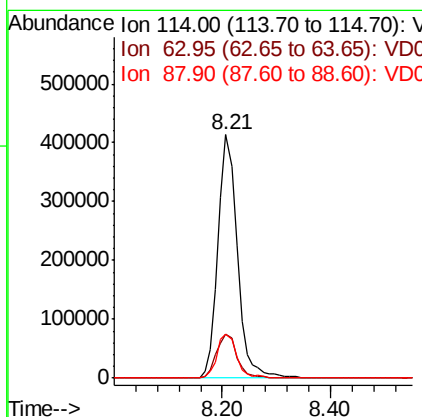
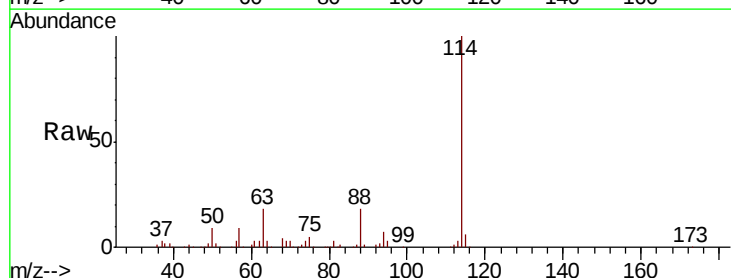
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

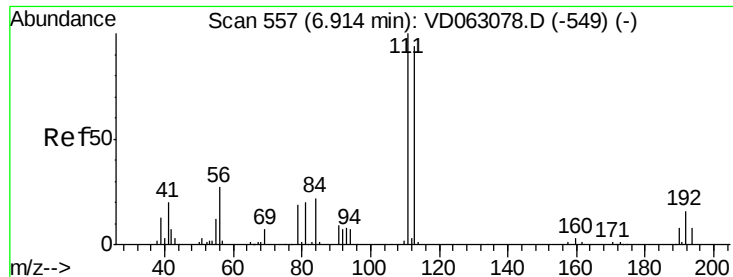
Tot Ion: 65 Resp: 923470
 Ion Ratio Lower Upper
 65 100
 67 42.5 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063080.D
 Acq: 15 Jul 2019 13:26

Tgt Ion: 114 Resp: 1026485
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 40.6
 88 18.1 0.0 32.6

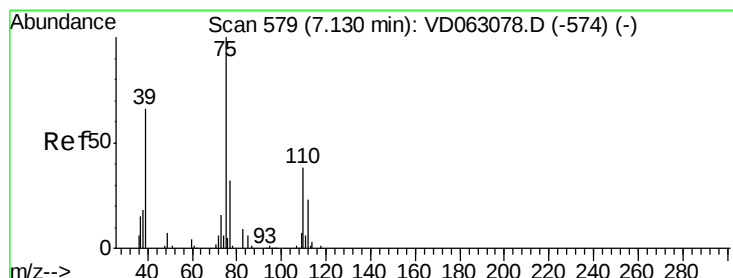
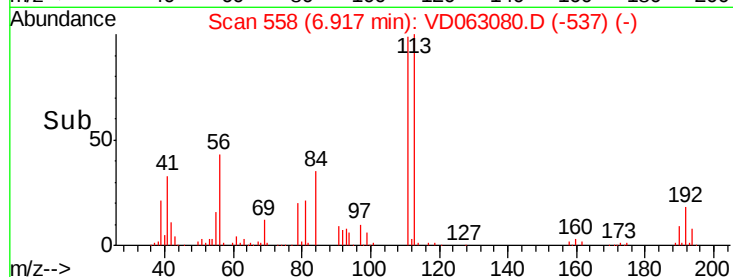
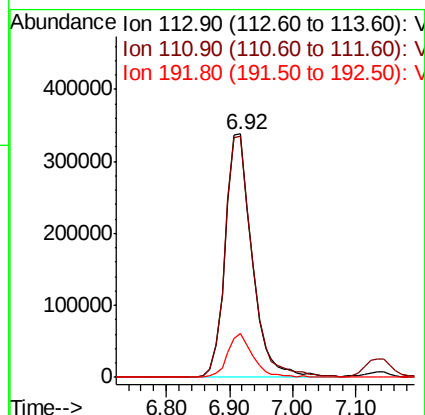
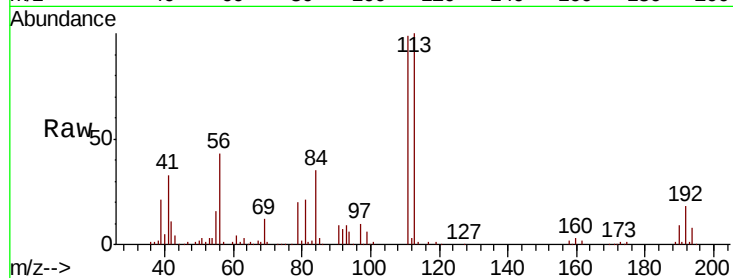




#35
 Dibromofluoromethane
 Concen: 112.059 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: VD063080.D
 Acq: 15 Jul 2019 13:26

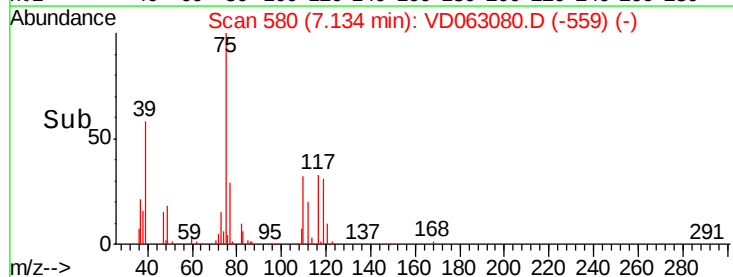
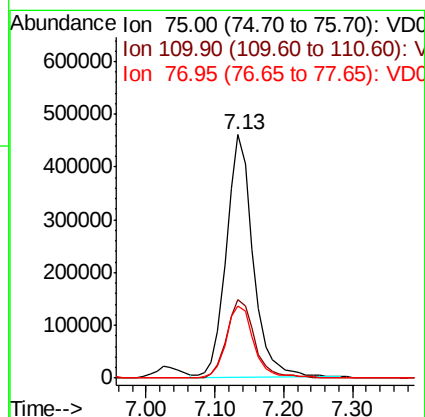
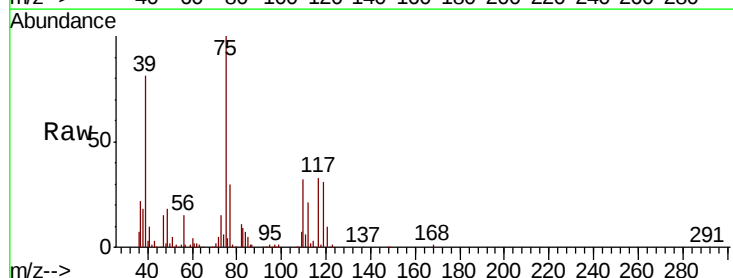
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

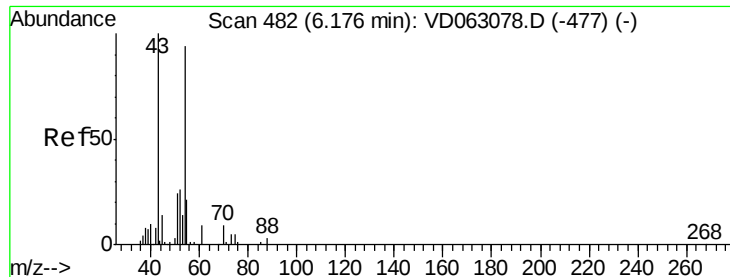
Tot Ion:113 Resp: 997918
 Ion Ratio Lower Upper
 113 100
 111 98.9 84.8 127.2
 192 18.0 13.4 20.0



#36
 1,1-Dichloropropene
 Concen: 127.846 ug/l
 RT: 7.13 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VD063080.D
 Acq: 15 Jul 2019 13:26

Tgt Ion: 75 Resp: 1243763
 Ion Ratio Lower Upper
 75 100
 110 32.1 18.9 56.5
 77 29.5 25.2 37.8

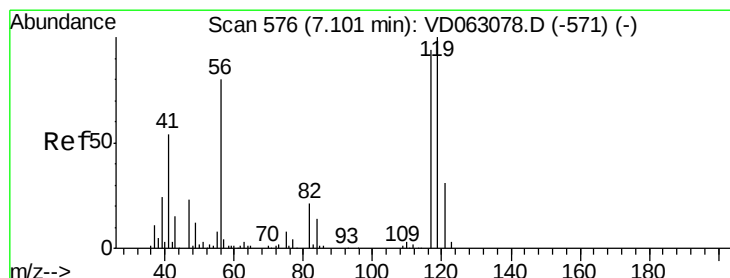
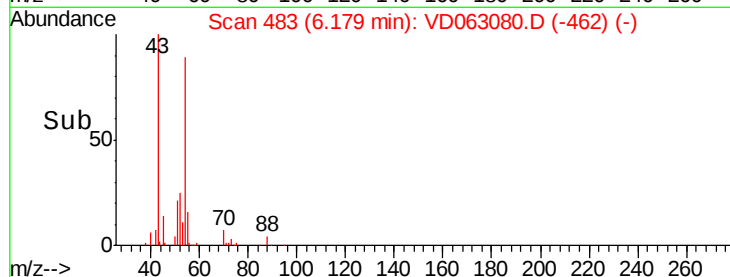
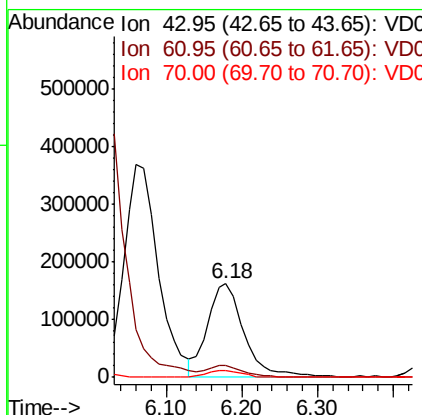
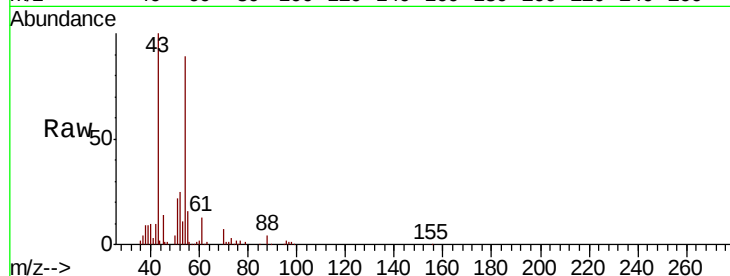




#37
Ethyl Acetate
Concen: 118.120 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

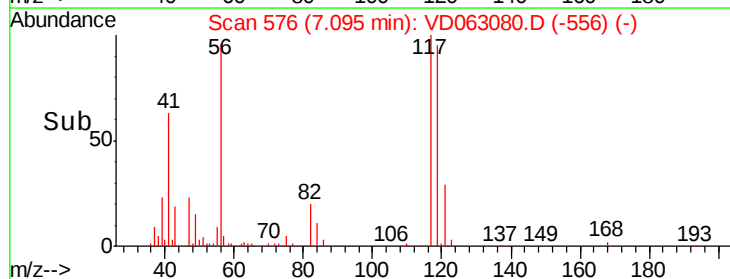
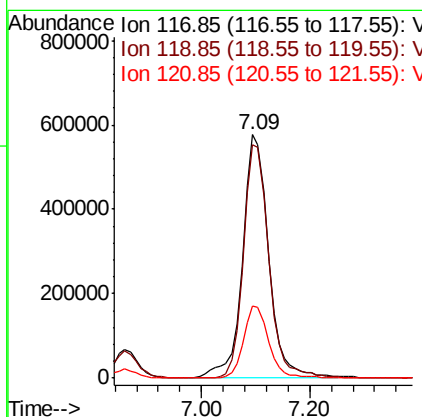
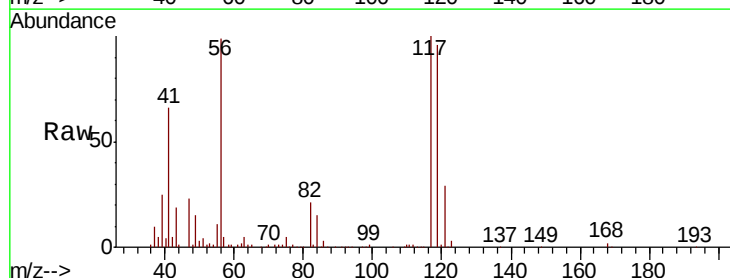
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

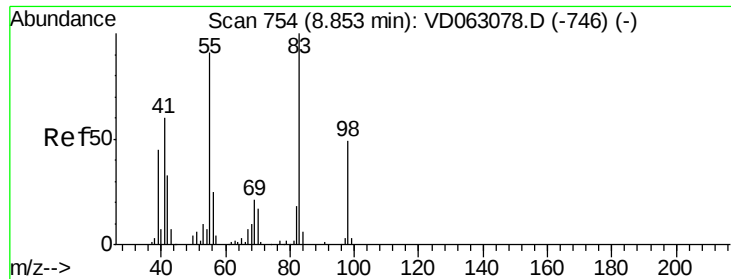
Tot Ion: 43 Resp: 538859
Ion Ratio Lower Upper
43 100
61 13.3 10.6 16.0
70 7.0 6.6 9.8



#38
Carbon Tetrachloride
Concen: 131.008 ug/l
RT: 7.09 min Scan# 576
Delta R.T. -0.01 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

Tgt Ion: 117 Resp: 1928243
Ion Ratio Lower Upper
117 100
119 95.8 80.0 120.0
121 29.5 25.0 37.4

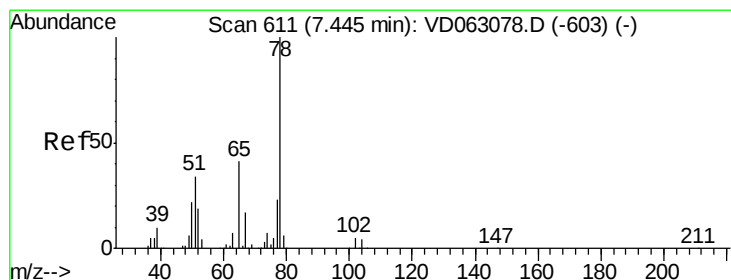
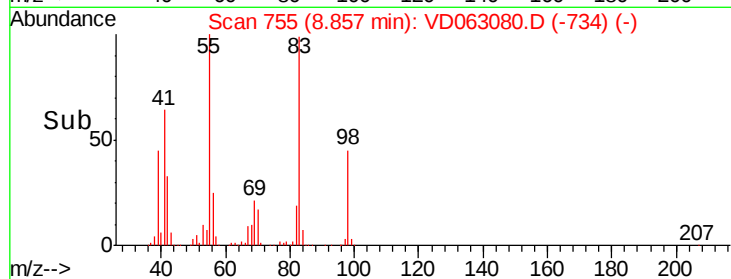
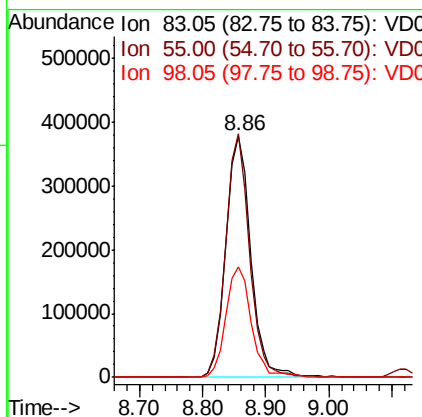
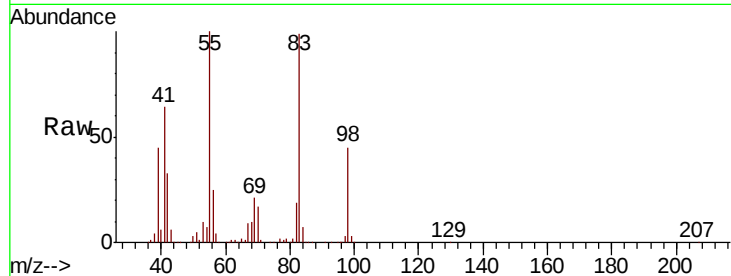




#39
Methvlcvclohexane
Concen: 121.933 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

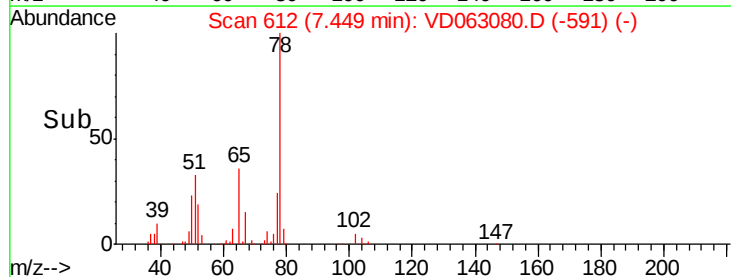
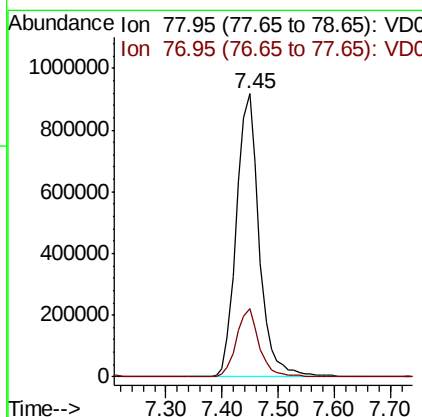
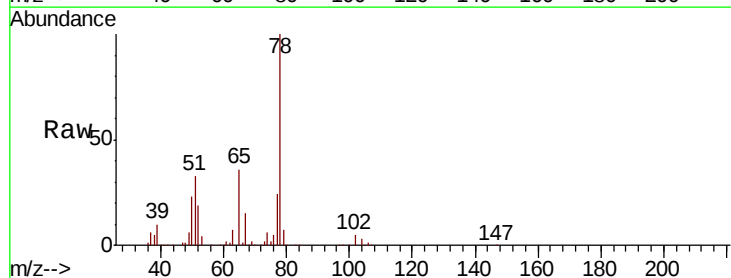
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

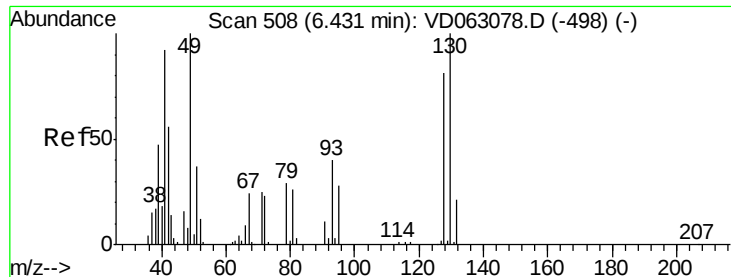
Tot Ion: 83 Resp: 1034261
Ion Ratio Lower Upper
83 100
55 100.8 73.0 109.4
98 45.8 39.4 59.0



#40
Benzene
Concen: 130.662 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

Tgt Ion: 78 Resp: 2595447
Ion Ratio Lower Upper
78 100
77 24.3 18.1 27.1

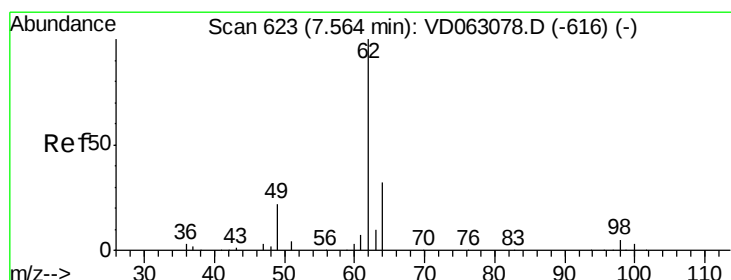
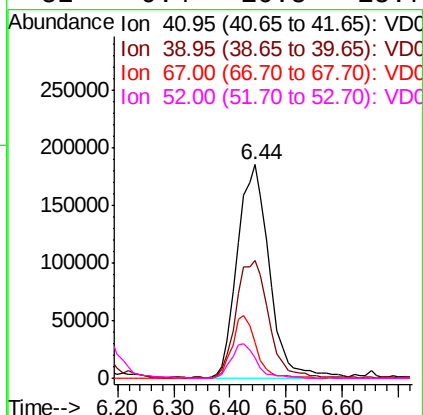
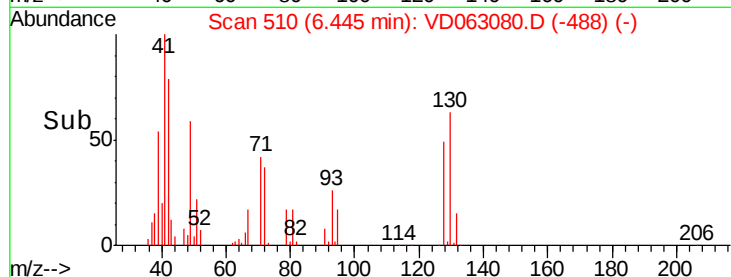
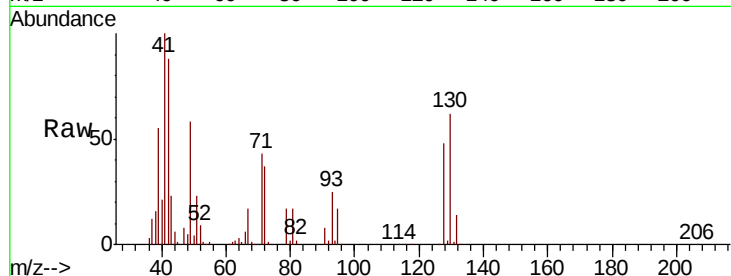




#41
Methacrylonitrile
Concen: 139.418 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.01 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

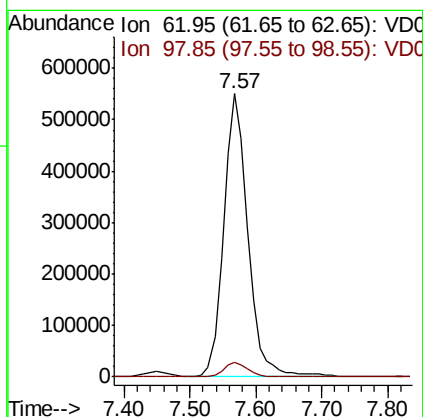
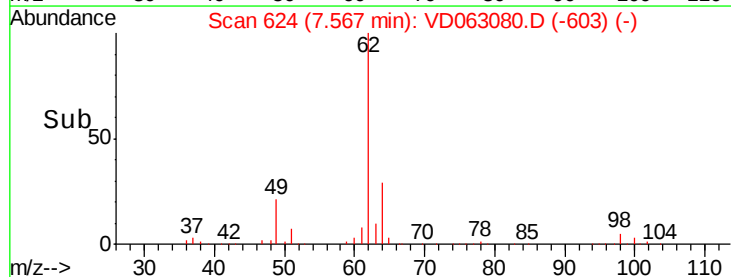
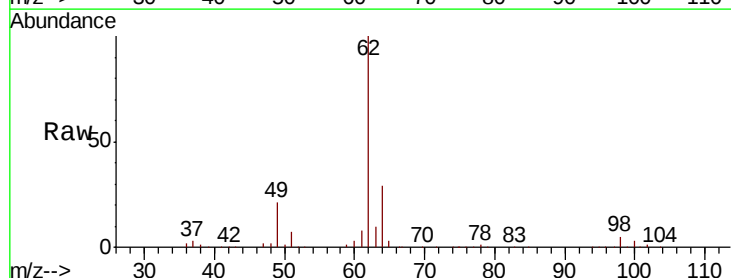
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

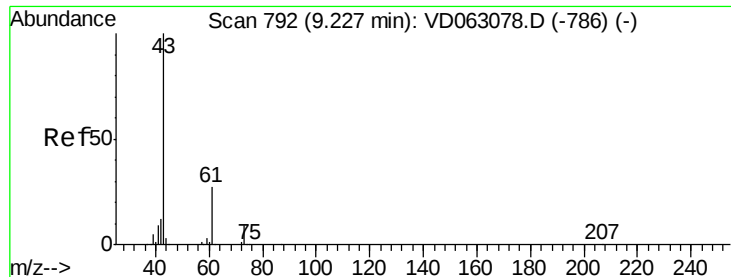
Tot Ion: 41 Resp: 735586
Ion Ratio Lower Upper
41 100
39 55.1 41.0 61.6
67 17.1 21.3 31.9#
52 9.4 10.5 15.7#



#42
1,2-Dichloroethane
Concen: 130.917 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.00 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

Tgt Ion: 62 Resp: 1401678
Ion Ratio Lower Upper
62 100
98 5.1 0.0 9.6



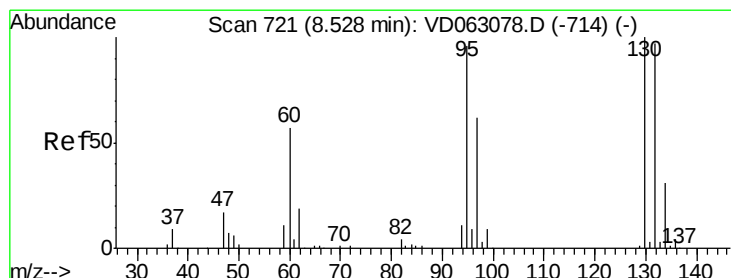
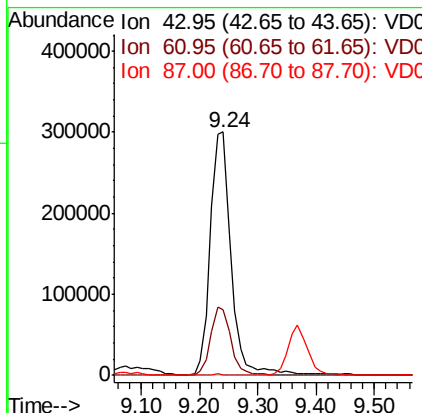
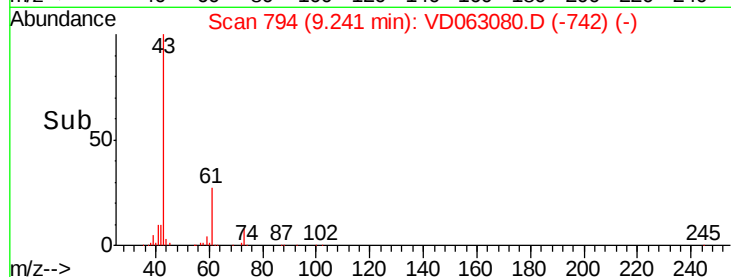
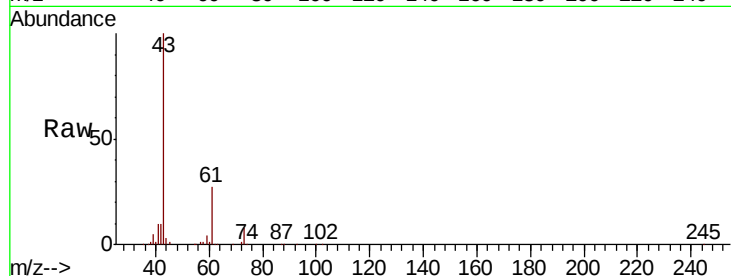


#43

Isopropyl Acetate
 Concen: 139.405 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VD063080.D
 Acq: 15 Jul 2019 13:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

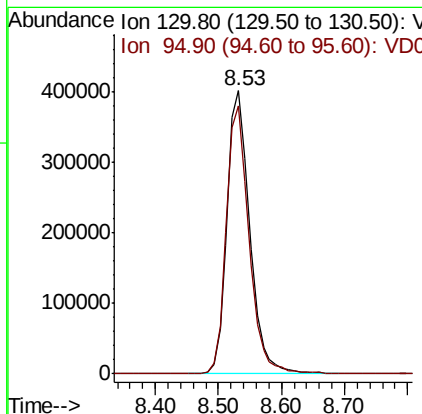
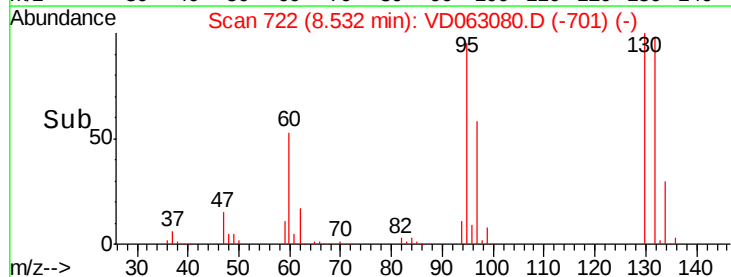
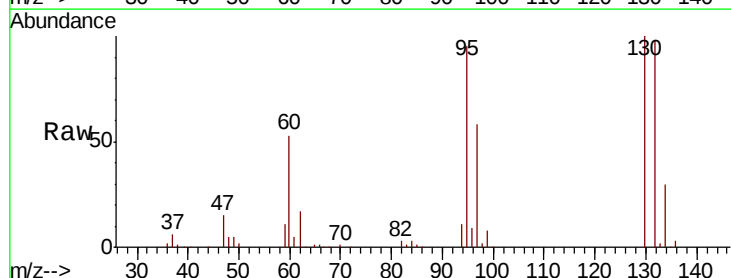
Tot Ion: 43 Resp: 740873
 Ion Ratio Lower Upper
 43 100
 61 26.9 21.7 32.5
 87 0.4 0.2 0.4#

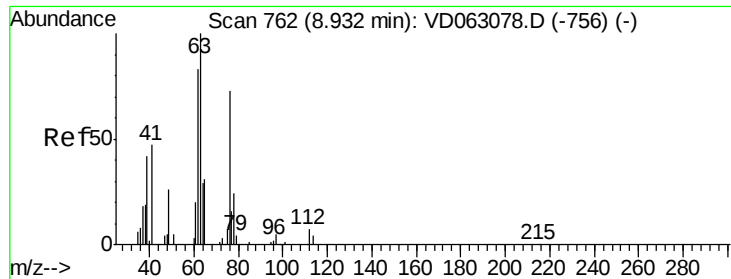


#44

Trichloroethene
 Concen: 130.307 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. 0.00 min
 Lab File: VD063080.D
 Acq: 15 Jul 2019 13:26

Tgt Ion: 130 Resp: 1000220
 Ion Ratio Lower Upper
 130 100
 95 94.6 0.0 191.4





#45

1,2-Dichloropropane

Concen: 131.830 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

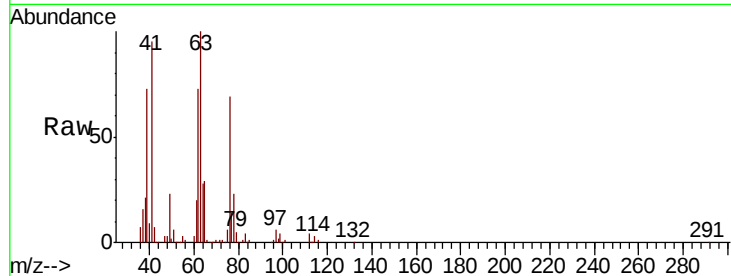
VSTDIC100

Tot Ion: 63 Resp: 649687

Ion Ratio Lower Upper

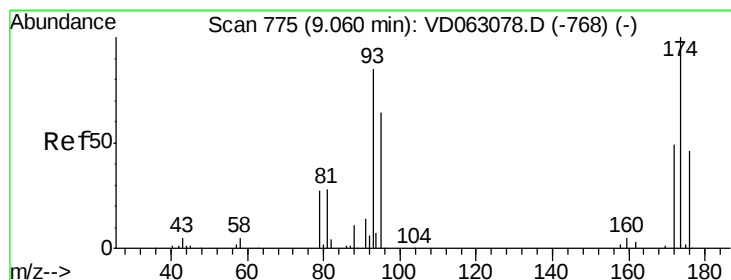
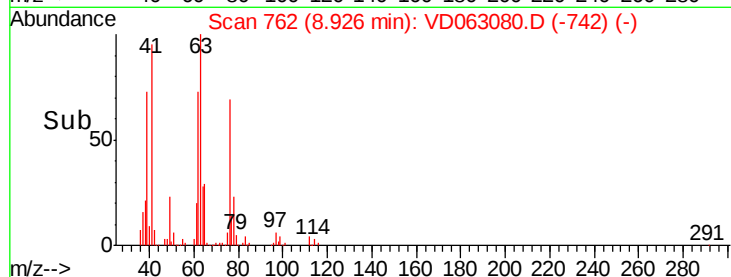
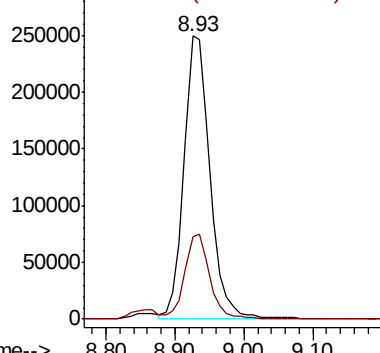
63 100

65 29.1 26.3 39.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 125.196 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

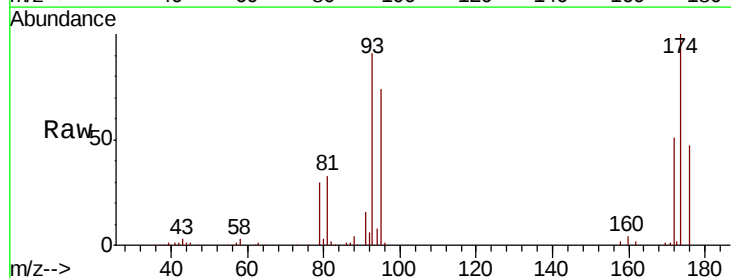
Tgt Ion: 93 Resp: 533993

Ion Ratio Lower Upper

93 100

95 80.9 59.7 89.5

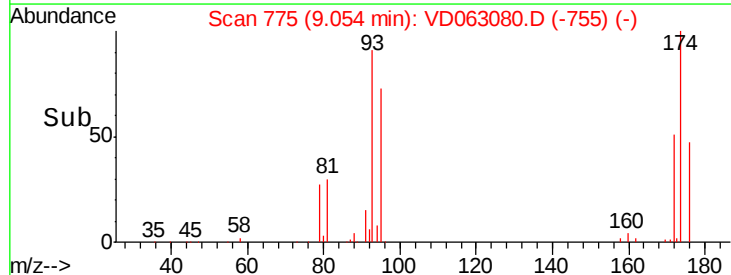
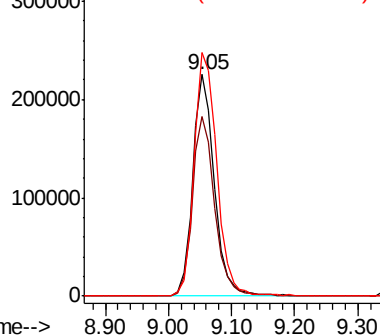
174 110.0 93.9 140.9

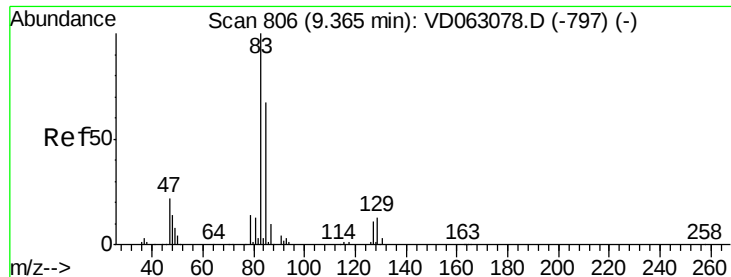


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 130.680 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

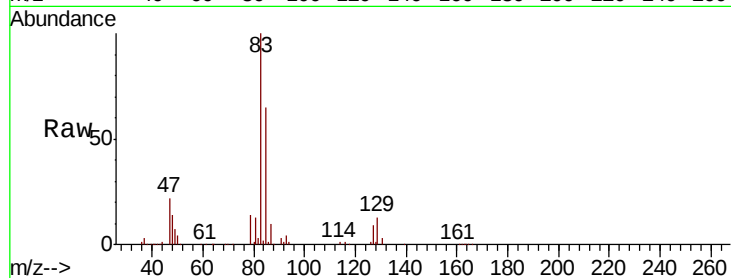
Tot Ion: 83 Resp: 1430267

Ion Ratio Lower Upper

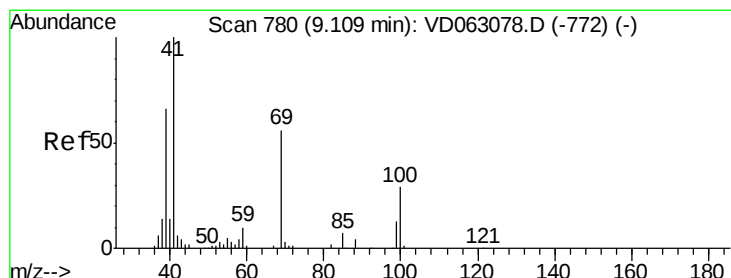
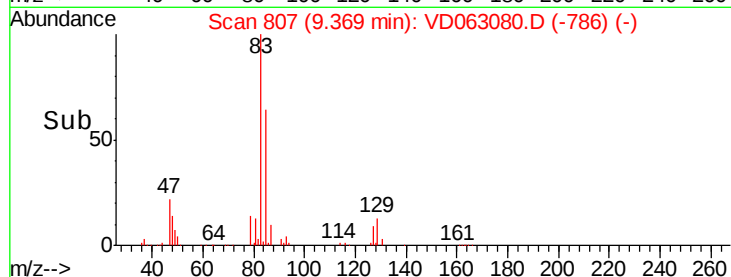
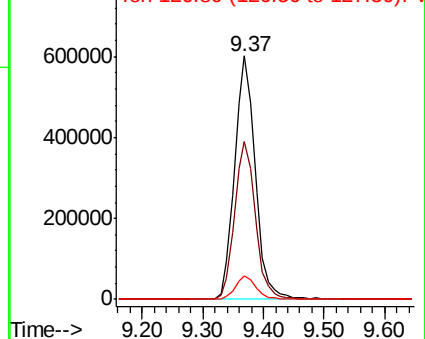
83 100

85 64.6 53.7 80.5

127 9.5 9.0 13.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 129.244 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

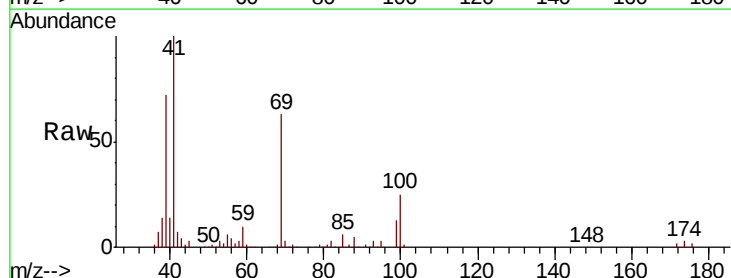
Tgt Ion: 41 Resp: 484622

Ion Ratio Lower Upper

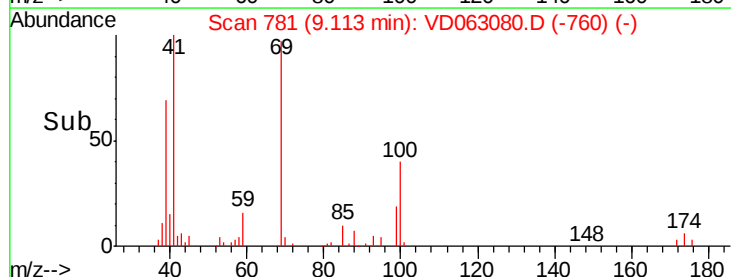
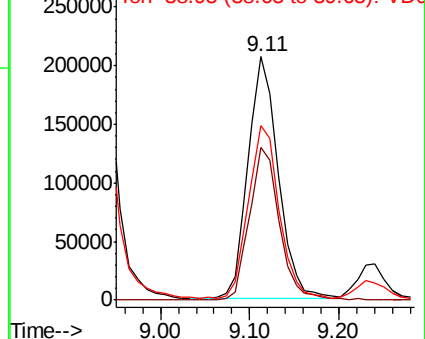
41 100

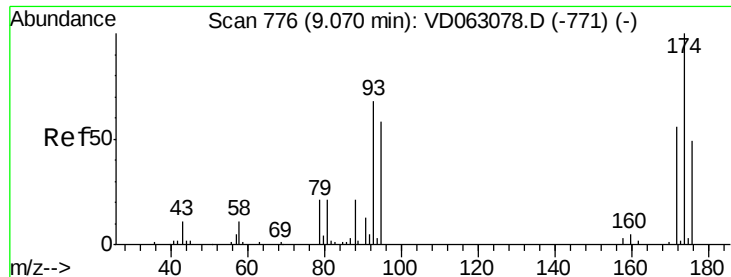
69 62.8 44.3 66.5

39 71.7 52.6 78.8



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

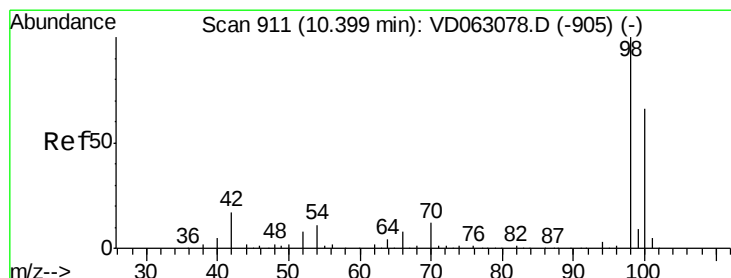
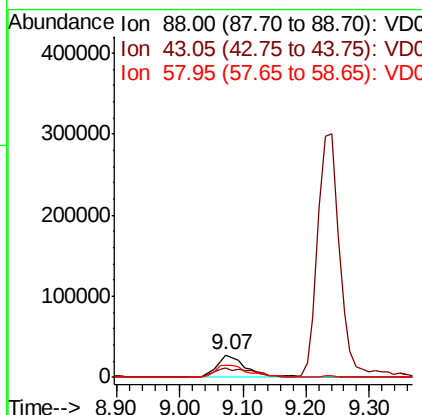
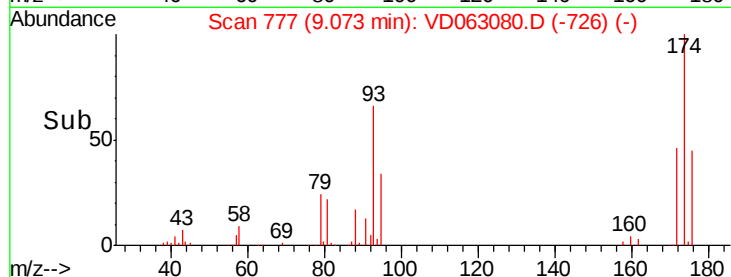
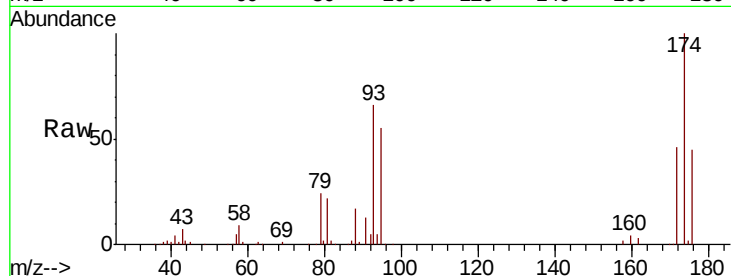




#49
1,4-Dioxane
Concen: 2838.043 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

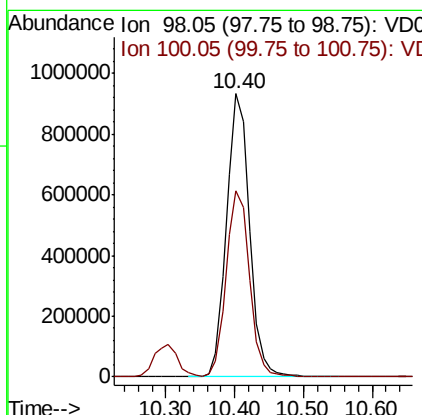
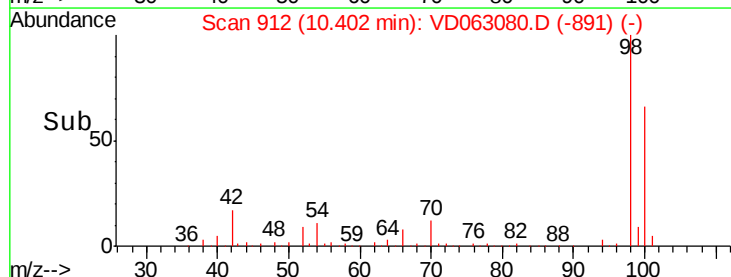
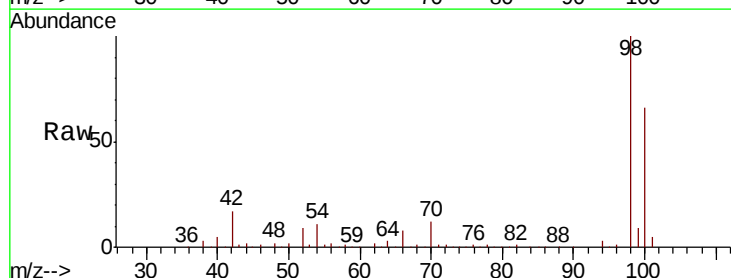
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

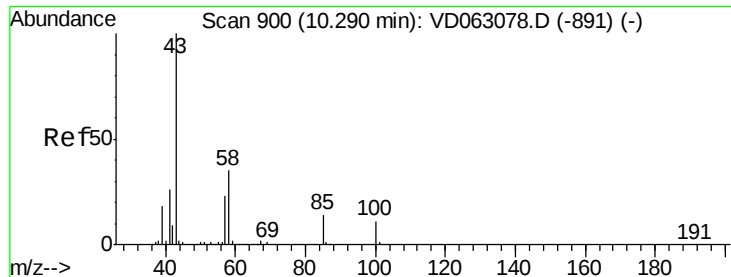
Tot Ion: 88 Resp: 90306
Ion Ratio Lower Upper
88 100
43 40.0 40.2 60.4#
58 55.0 41.6 62.4



#50
Toluene-d8
Concen: 113.172 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

Tgt Ion: 98 Resp: 2156749
Ion Ratio Lower Upper
98 100
100 65.7 53.5 80.3





#51

4-Methyl-2-Pentanone

Concen: 662.643 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

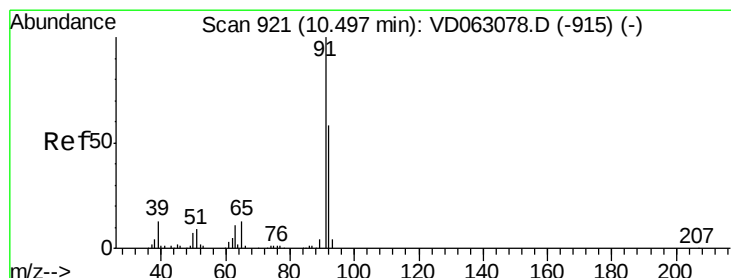
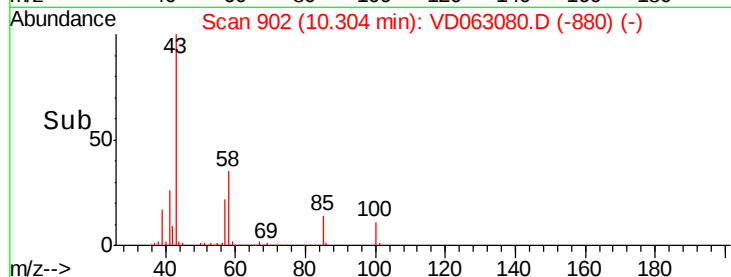
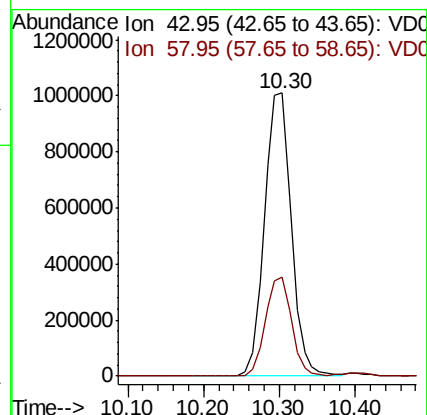
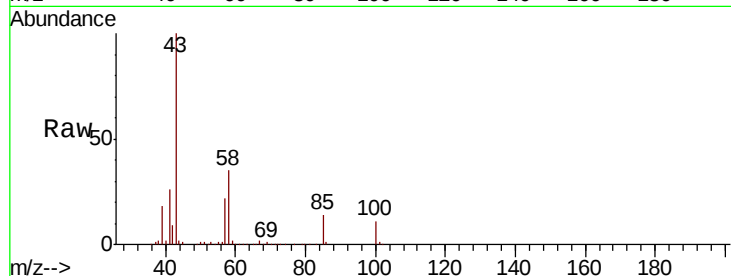
VSTDIC100

Tot Ion: 43 Resp: 2502557

Ion Ratio Lower Upper

43 100

58 35.0 27.8 41.6



#52

Toluene

Concen: 129.691 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD063080.D

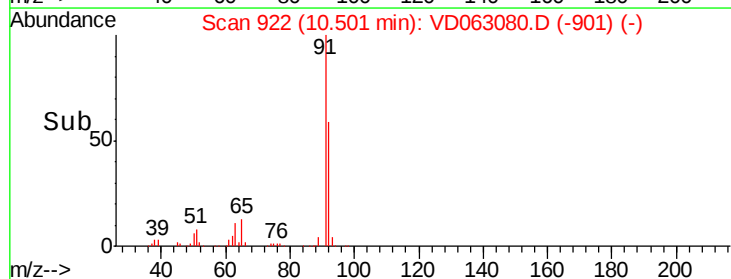
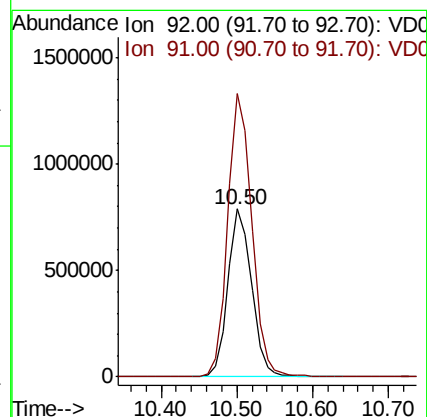
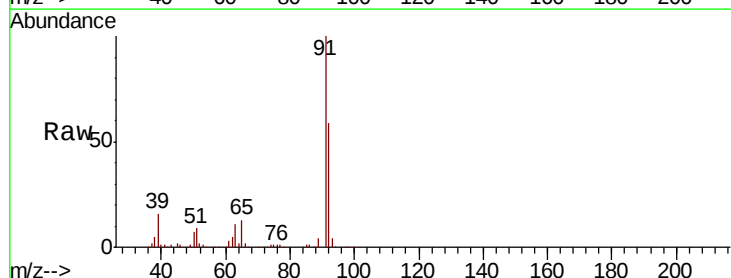
Acq: 15 Jul 2019 13:26

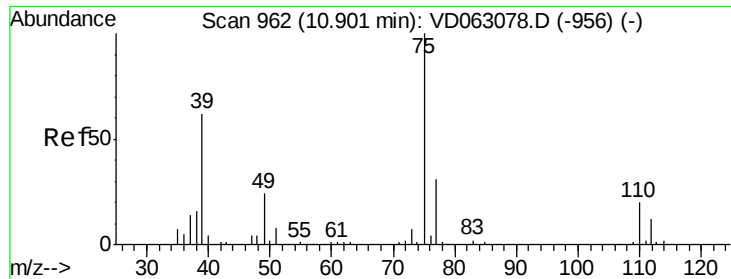
Tgt Ion: 92 Resp: 1716569

Ion Ratio Lower Upper

92 100

91 168.9 137.9 206.9

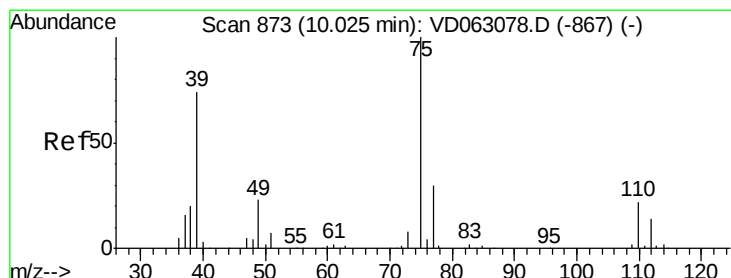
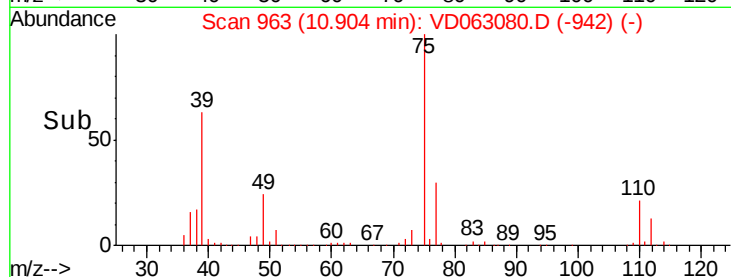
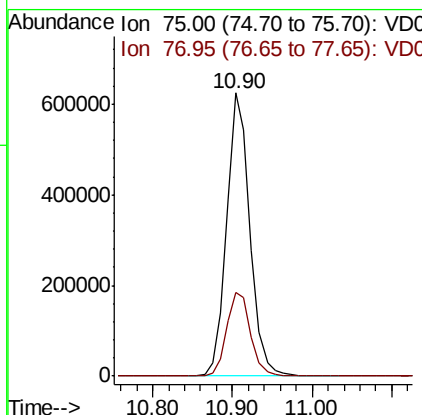
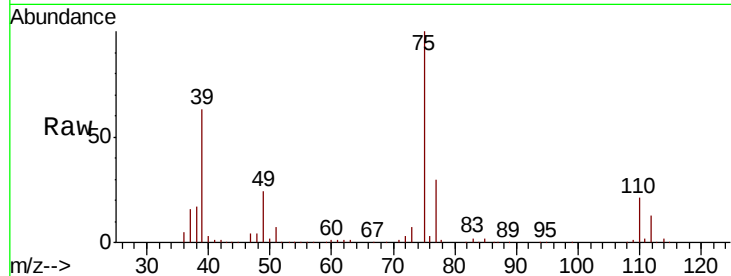




#53
 t-1,3-Dichloropropene
 Concen: 139.892 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: VD063080.D
 Acq: 15 Jul 2019 13:26

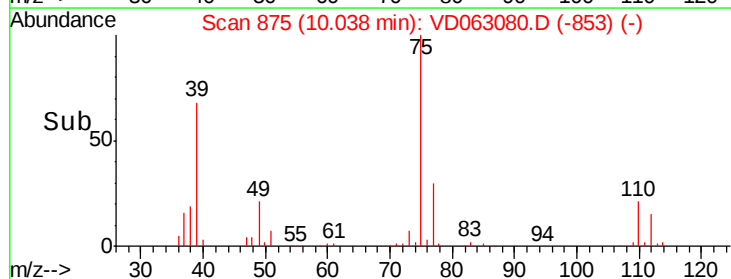
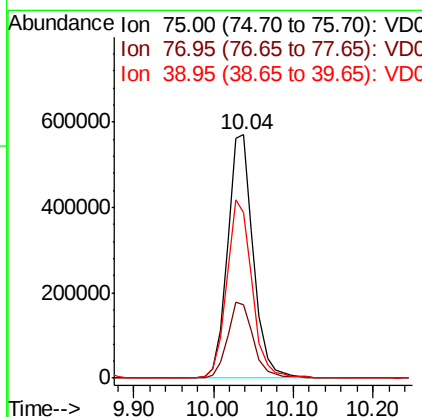
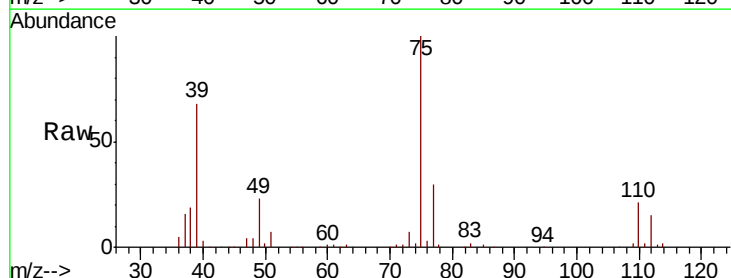
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

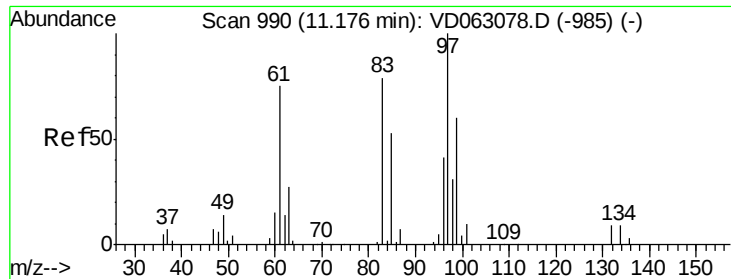
Tot Ion: 75 Resp: 1279903
 Ion Ratio Lower Upper
 75 100
 77 29.5 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 130.385 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.01 min
 Lab File: VD063080.D
 Acq: 15 Jul 2019 13:26

Tgt Ion: 75 Resp: 1286461
 Ion Ratio Lower Upper
 75 100
 77 30.1 23.9 35.9
 39 68.2 59.4 89.0

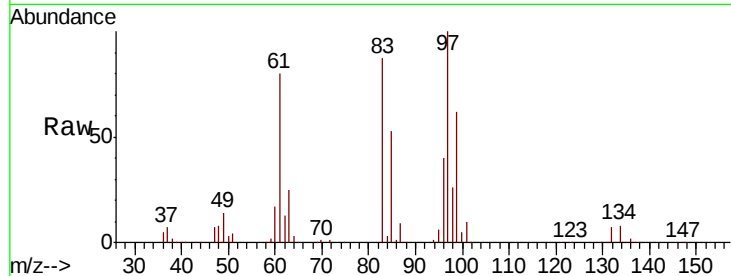




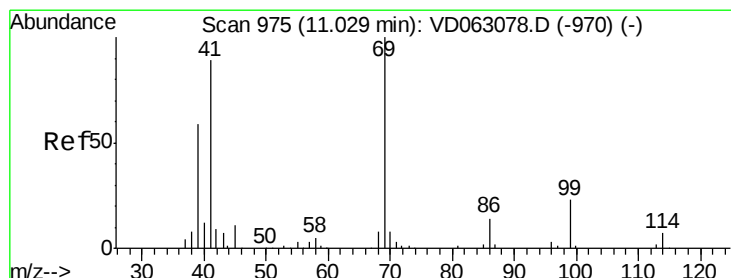
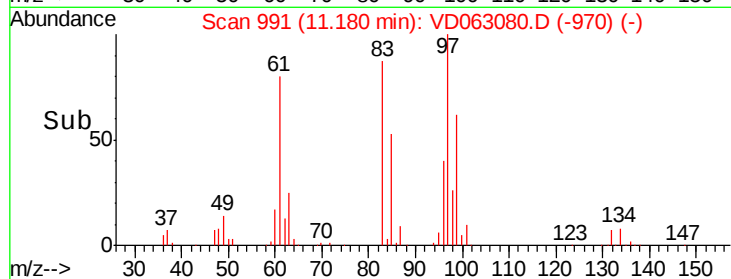
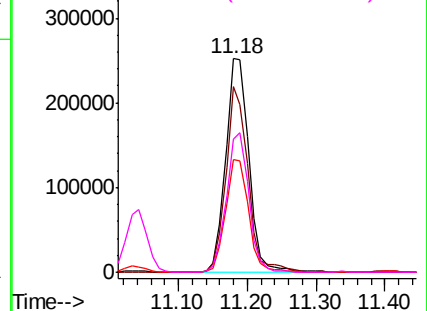
#55
 1,1,2-Trichloroethane
 Concen: 127.012 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD063080.D
 Acq: 15 Jul 2019 13:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	588336
Ion	Ratio	Lower	Upper
97	100		
83	86.8	63.2	94.8
85	52.8	42.0	63.0
99	62.2	48.3	72.5

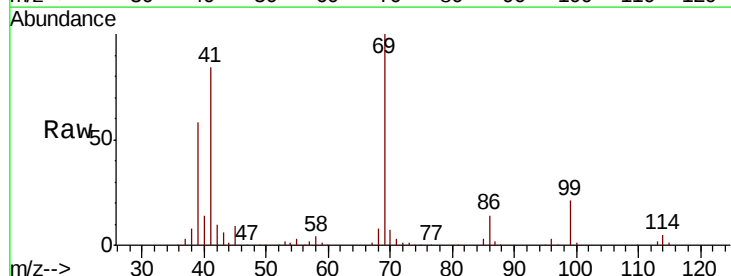


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

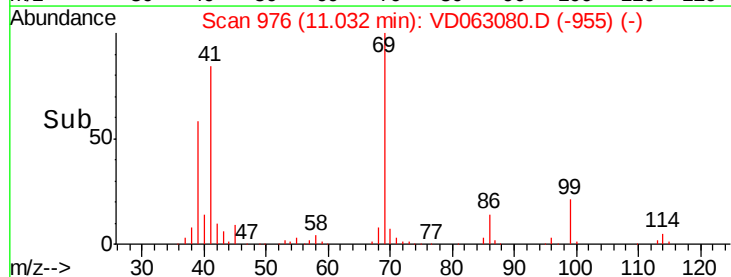
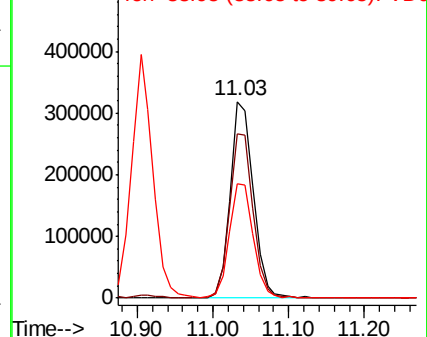


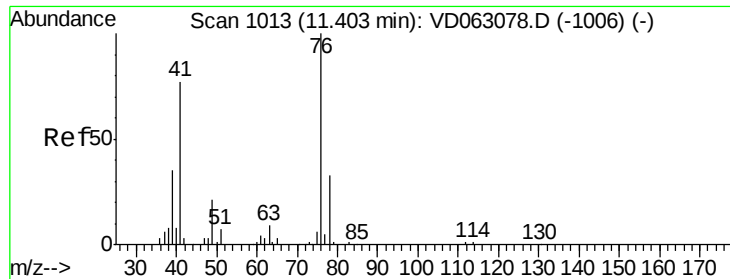
#56
 Ethyl methacrylate
 Concen: 134.779 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD063080.D
 Acq: 15 Jul 2019 13:26

Tgt Ion:	69	Resp:	668499
Ion	Ratio	Lower	Upper
69	100		
41	83.7	71.0	106.4
39	58.2	47.7	71.5



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 127.848 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

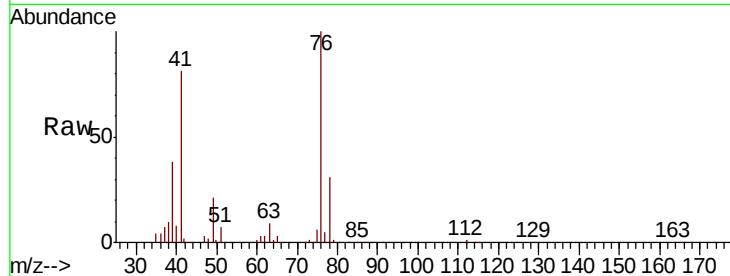
VSTDIC100

Tot Ion: 76 Resp: 891538

Ion Ratio Lower Upper

76 100

78 31.1 26.8 40.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.40

400000

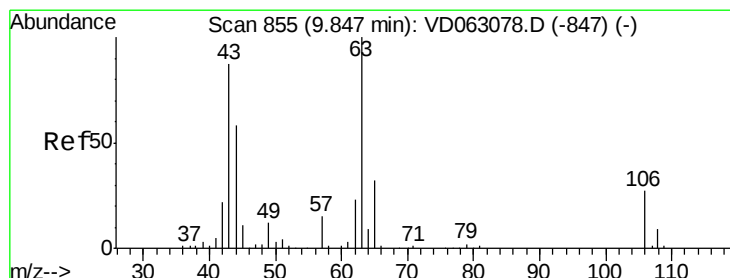
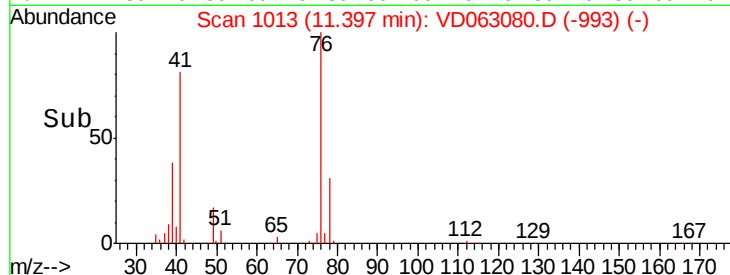
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 669.215 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD063080.D

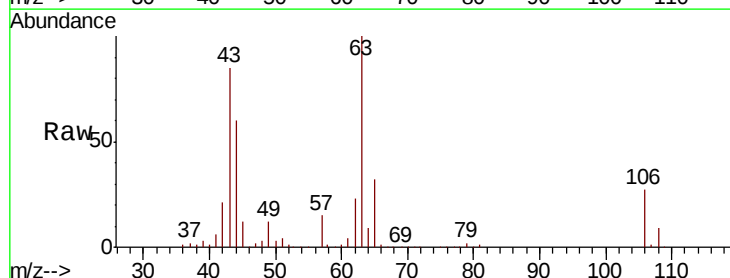
Acq: 15 Jul 2019 13:26

Tgt Ion: 63 Resp: 1773380

Ion Ratio Lower Upper

63 100

106 26.9 21.3 31.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

800000

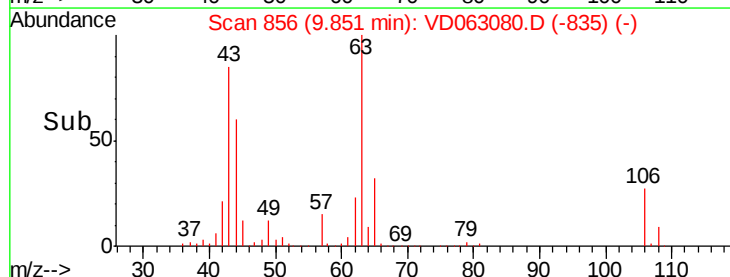
600000

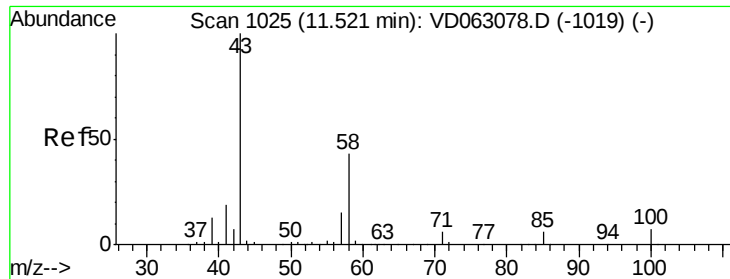
400000

200000

0

Time-->

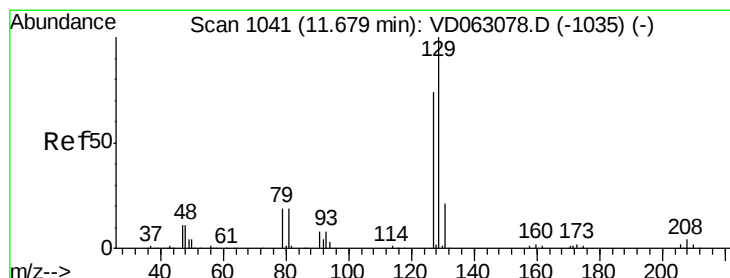
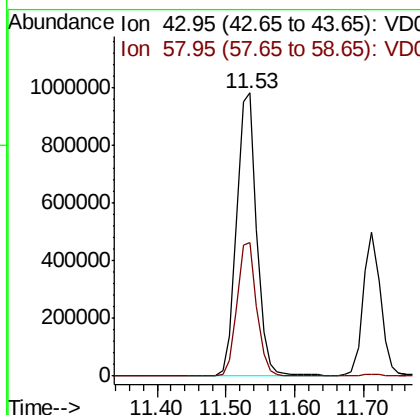
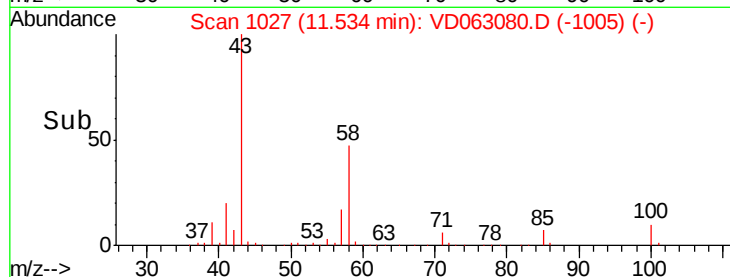
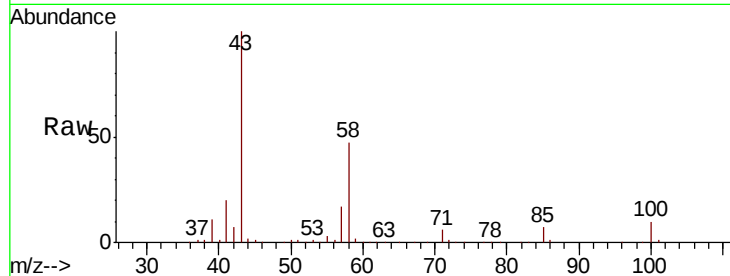




#59
2-Hexanone
Concen: 727.994 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

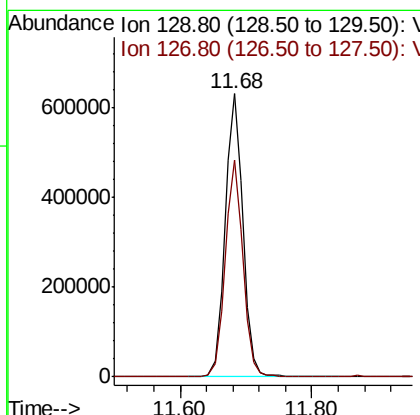
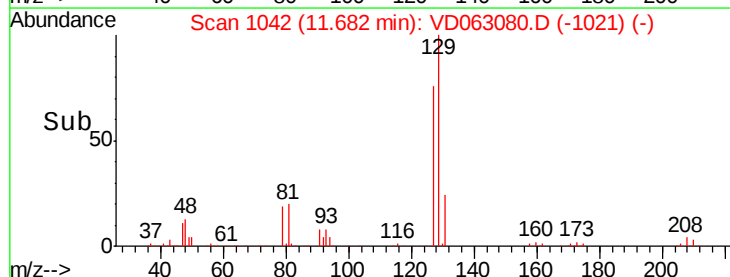
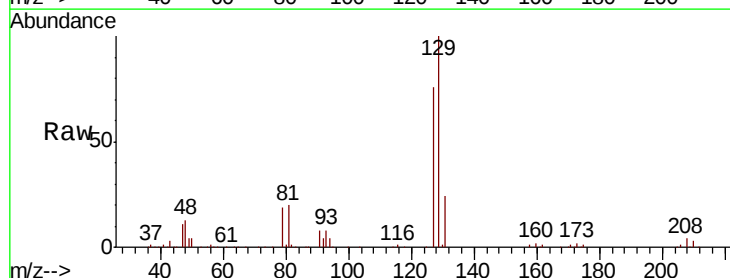
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

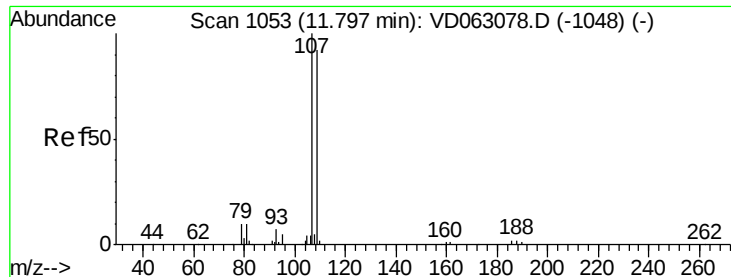
Tot Ion: 43 Resp: 1986557
Ion Ratio Lower Upper
43 100
58 47.4 21.7 65.1



#60
Dibromochloromethane
Concen: 136.879 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

Tgt Ion: 129 Resp: 1182805
Ion Ratio Lower Upper
129 100
127 76.4 37.0 110.9





#61

1,2-Dibromoethane

Concen: 132.862 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

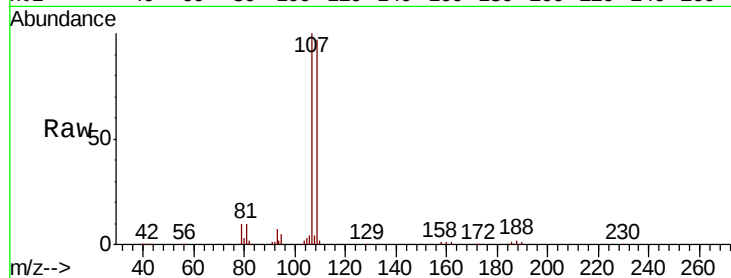
VSTDIC100

Tot Ion:107 Resp: 720668

Ion Ratio Lower Upper

107 100

109 96.7 73.6 110.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.80

400000

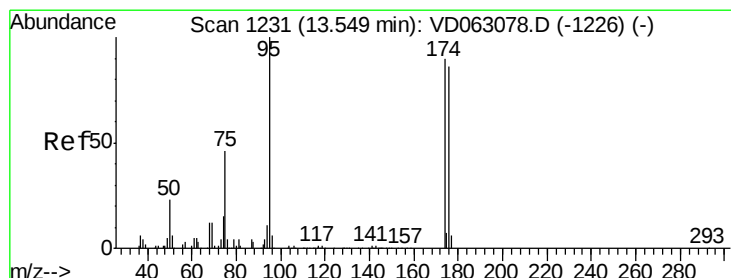
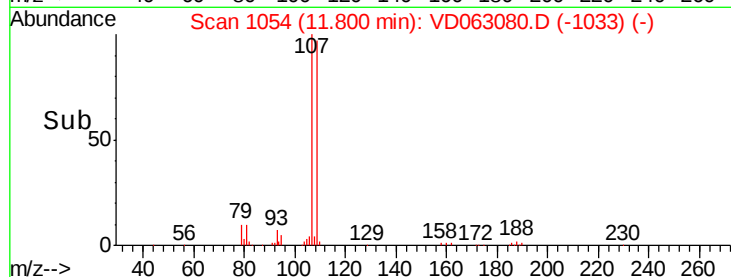
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 108.449 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

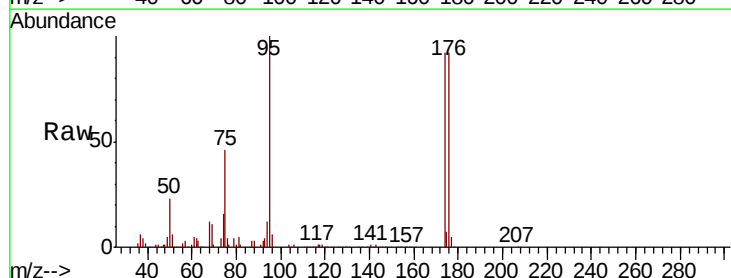
Tgt Ion: 95 Resp: 947604

Ion Ratio Lower Upper

95 100

174 92.2 0.0 180.6

176 91.8 0.0 172.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

13.55

800000

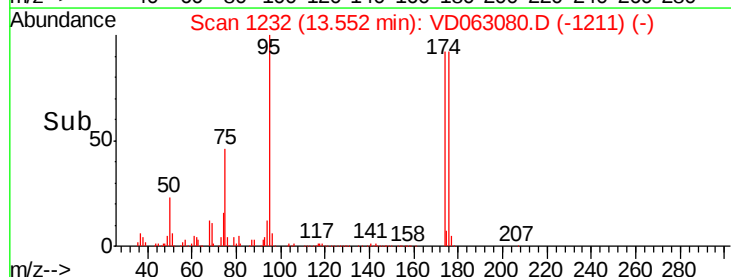
600000

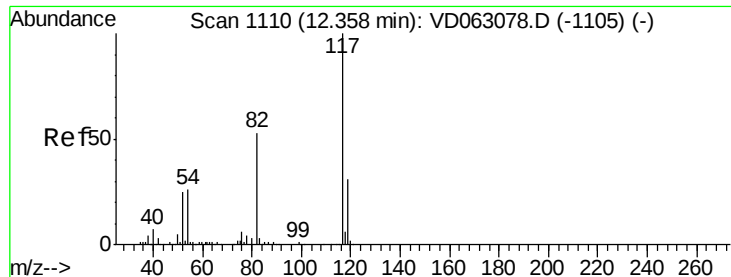
400000

200000

0

Time-->

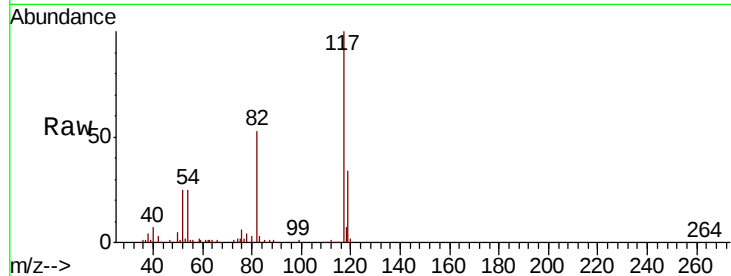




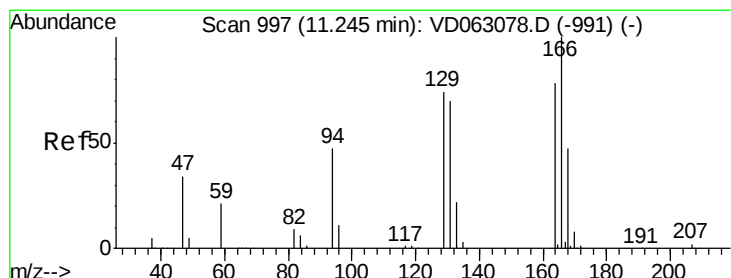
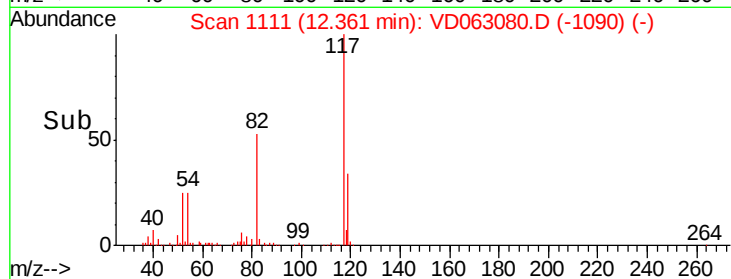
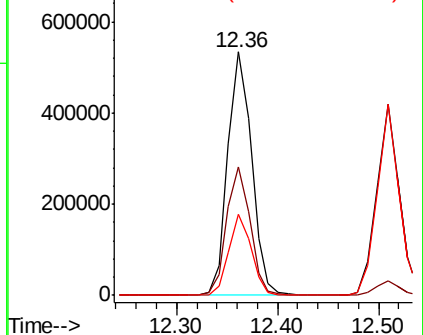
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 880904
Ion Ratio Lower Upper
117 100
82 52.7 42.3 63.5
119 33.5 25.2 37.8

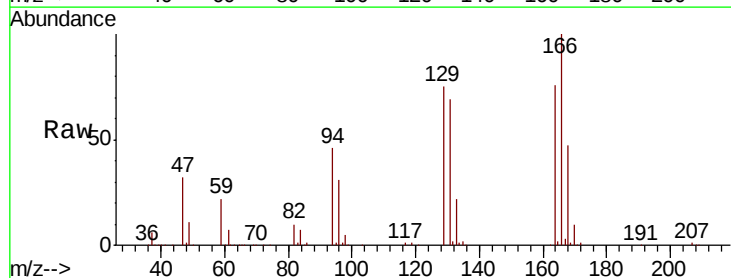


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

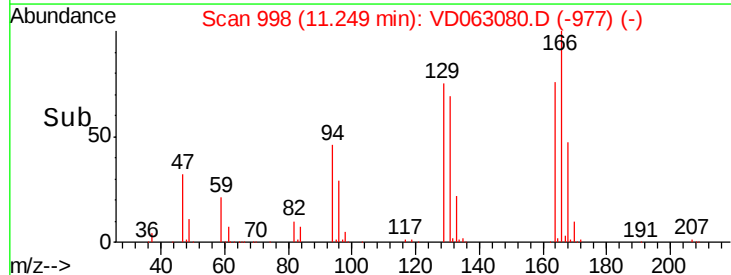
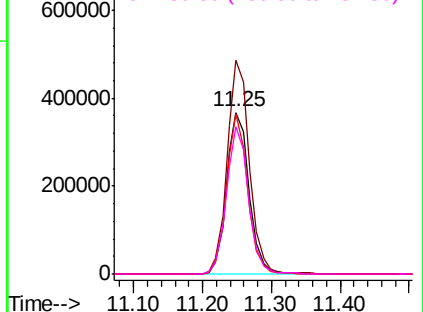


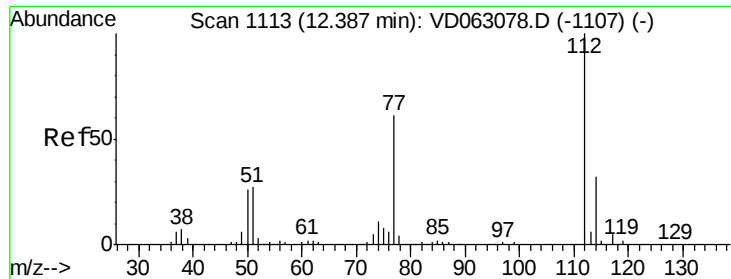
#64
Tetrachloroethene
Concen: 113.111 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

Tgt Ion:164 Resp: 825592
Ion Ratio Lower Upper
164 100
166 132.3 102.8 154.2
129 99.4 76.4 114.6
131 91.0 71.7 107.5



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

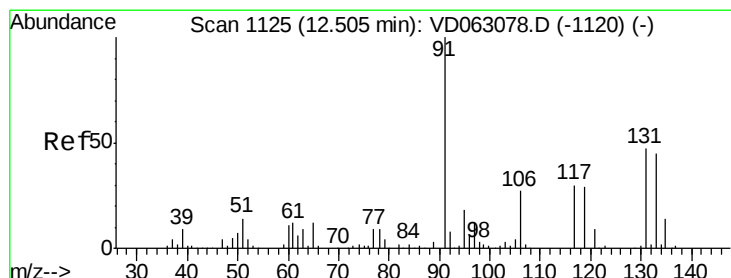
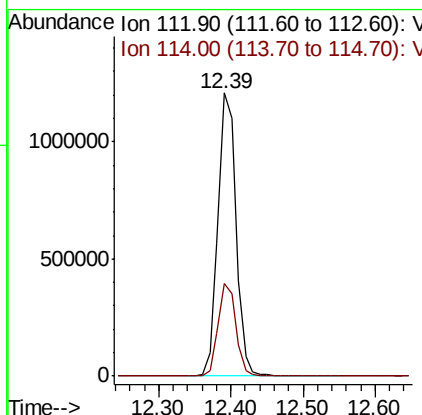
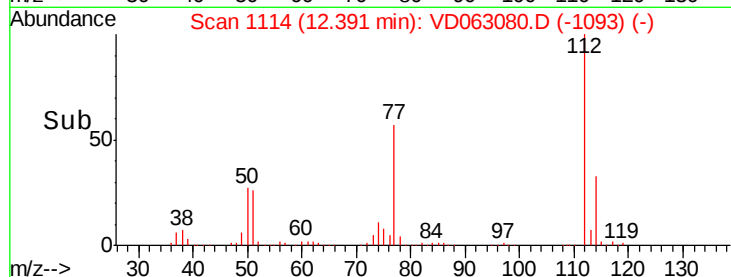
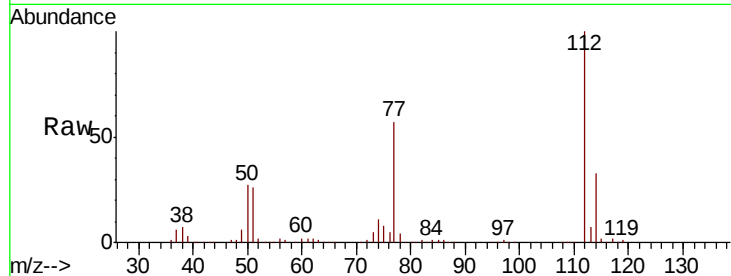




#65
Chlorobenzene
Concen: 124.078 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

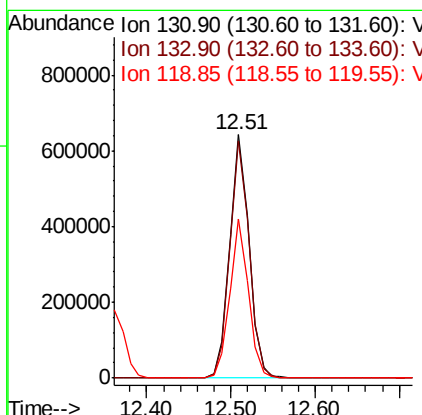
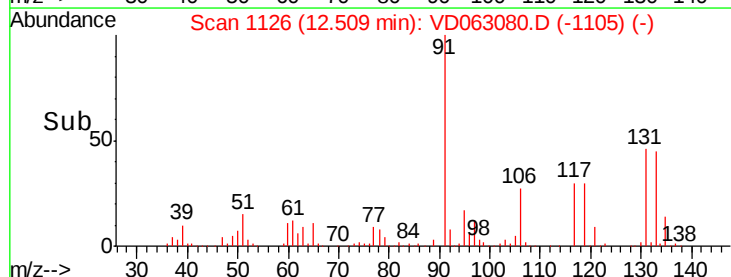
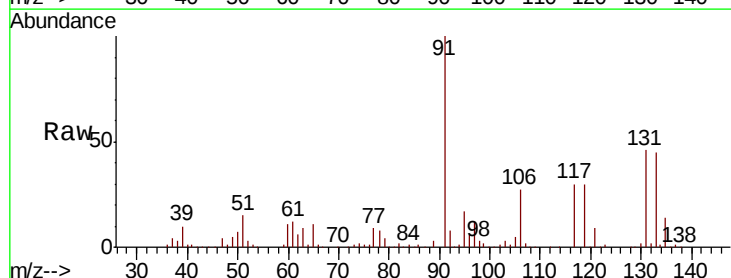
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

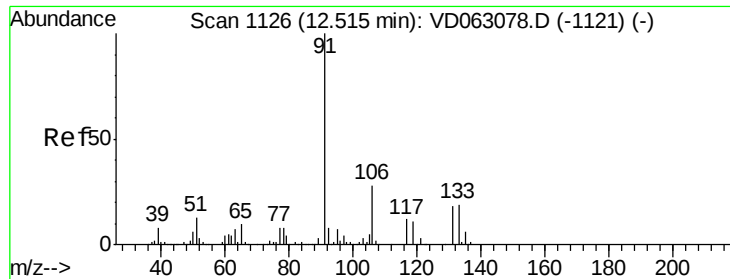
Tot Ion:112 Resp: 2077620
Ion Ratio Lower Upper
112 100
114 32.9 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 131.824 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

Tgt Ion:131 Resp: 1029537
Ion Ratio Lower Upper
131 100
133 97.3 48.5 145.6
119 65.1 30.8 92.3

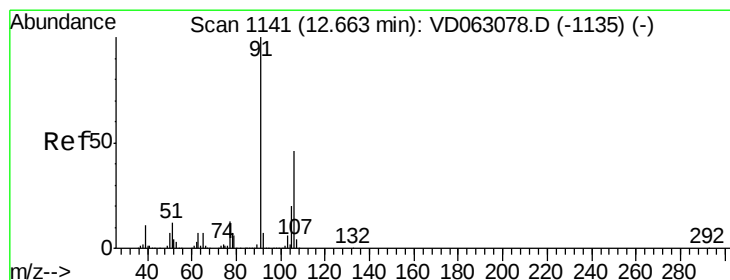
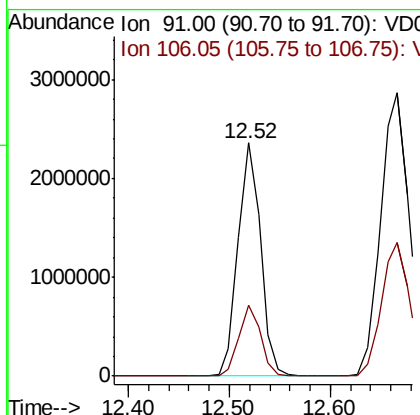
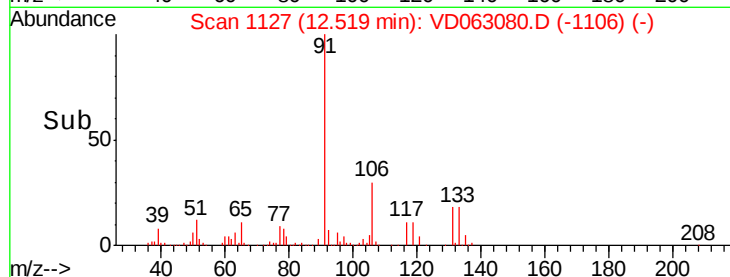
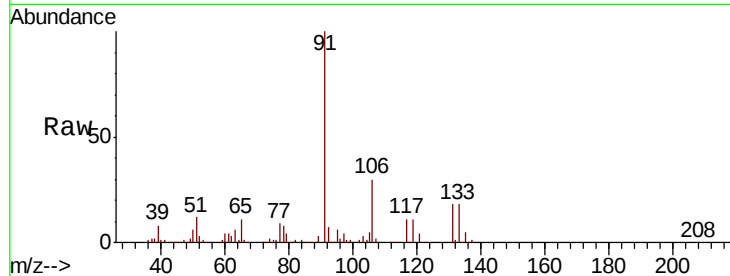




#67
Ethyl Benzene
Concen: 123.108 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

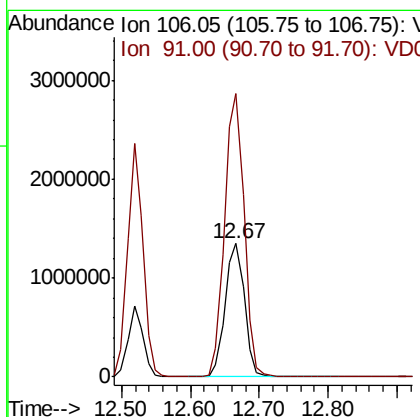
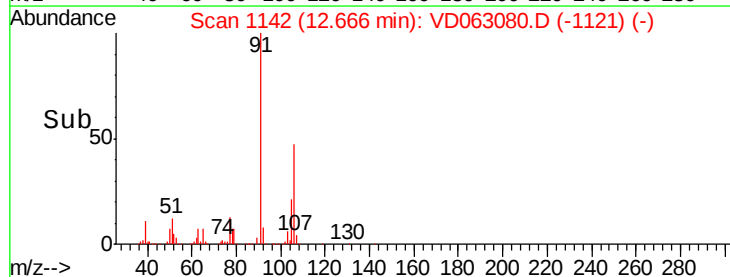
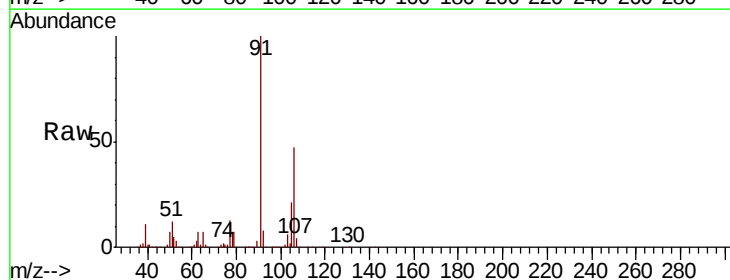
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

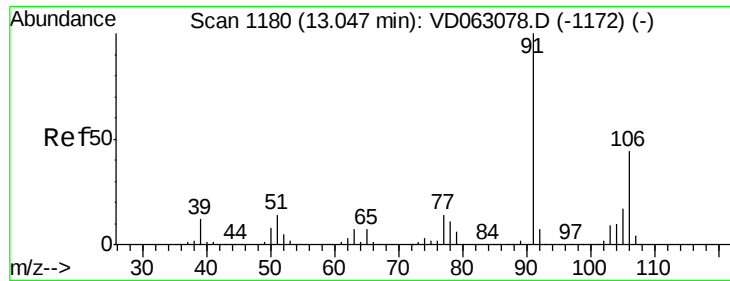
Tot Ion: 91 Resp: 3683550
Ion Ratio Lower Upper
91 100
106 30.3 22.5 33.7



#68
m/p-Xylenes
Concen: 252.947 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

Tgt Ion: 106 Resp: 2619368
Ion Ratio Lower Upper
106 100
91 212.2 173.0 259.6

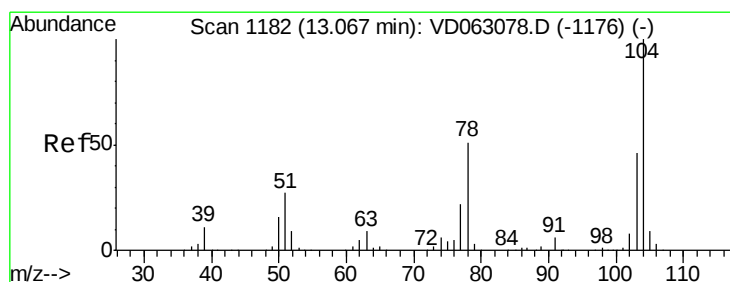
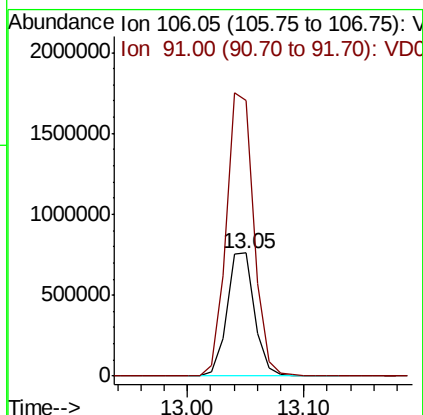
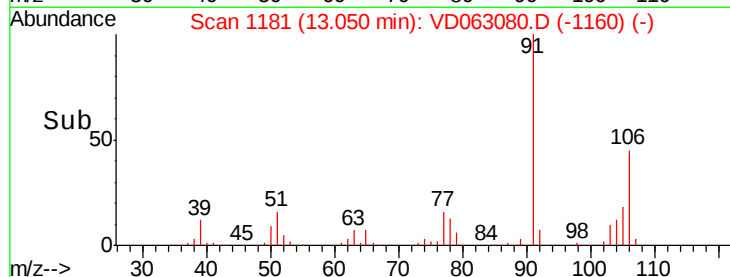
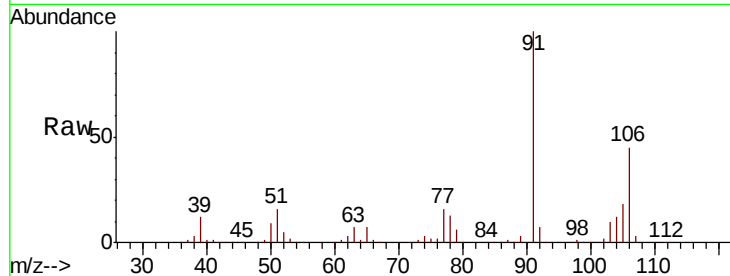




#69
o-Xylene
Concen: 130.146 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

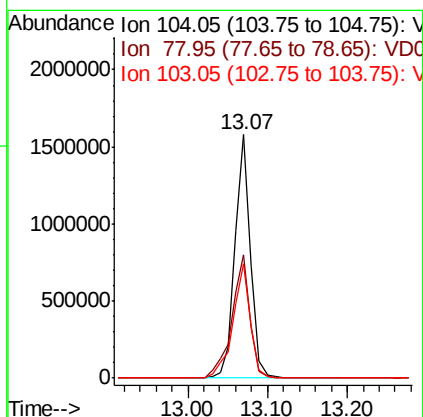
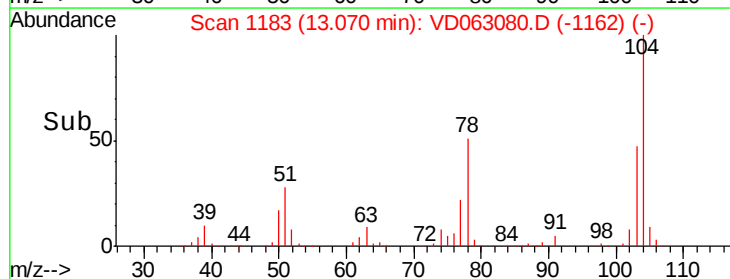
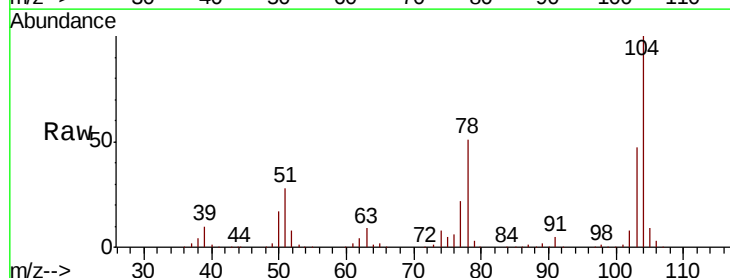
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

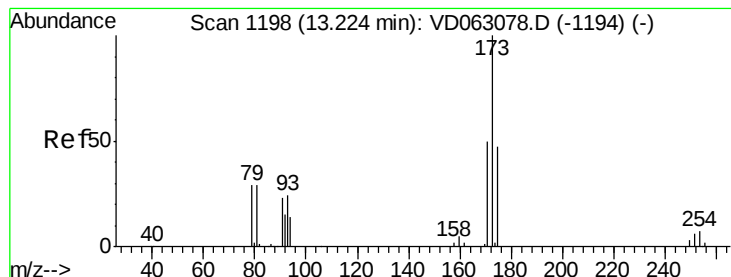
Tot Ion:106 Resp: 1242302
Ion Ratio Lower Upper
106 100
91 224.6 114.9 344.7



#70
Styrene
Concen: 128.165 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

Tgt Ion:104 Resp: 2168291
Ion Ratio Lower Upper
104 100
78 50.6 41.1 61.7
103 47.0 37.0 55.6





#71

Bromoform

Concen: 131.502 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

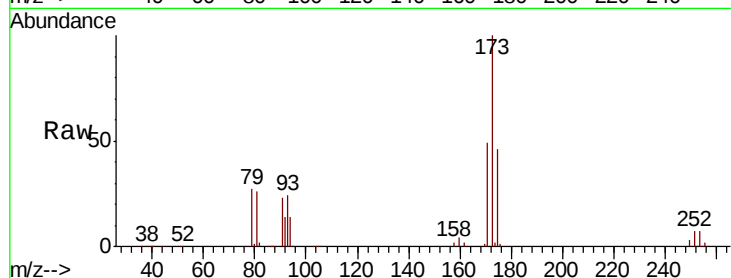
Tot Ion:173 Resp: 712304

Ion Ratio Lower Upper

173 100

175 46.3 23.4 70.2

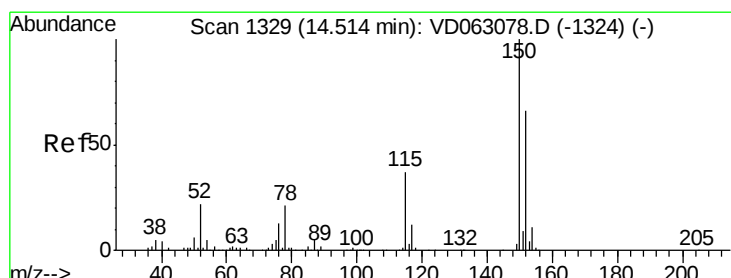
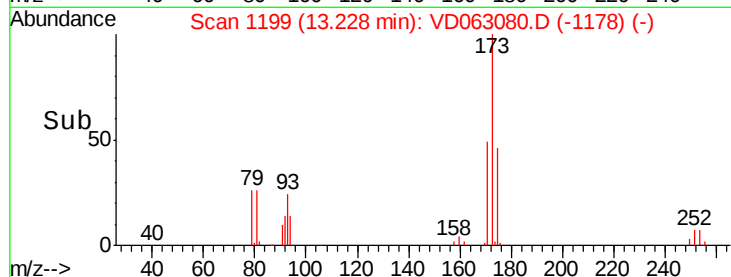
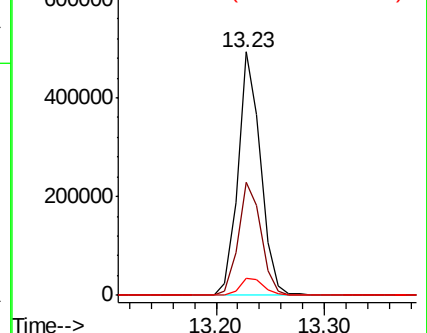
254 7.2 5.4 8.0



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

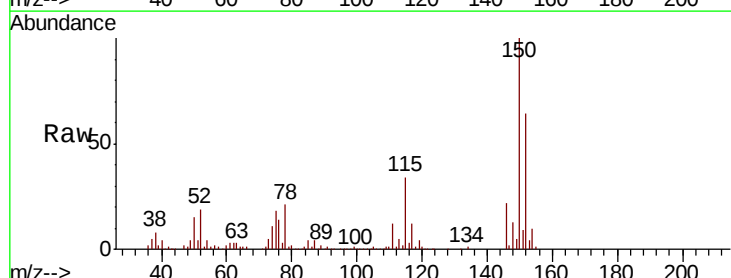
Tgt Ion:152 Resp: 452748

Ion Ratio Lower Upper

152 100

115 53.0 28.9 86.8

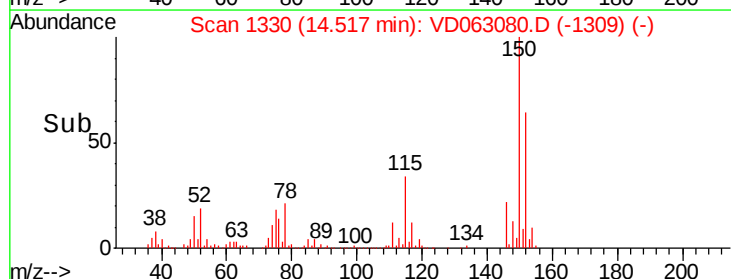
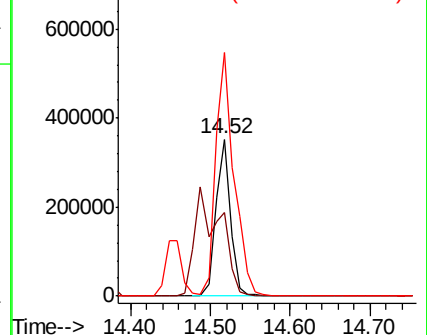
150 155.2 0.0 313.8

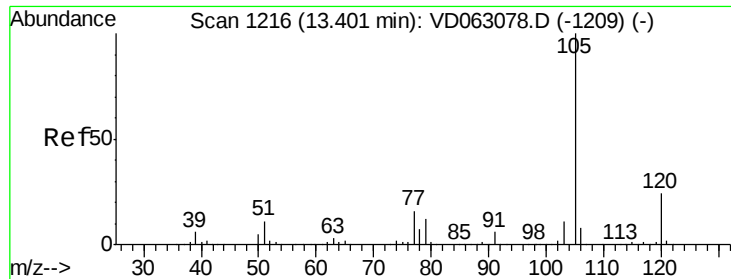


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 130.344 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

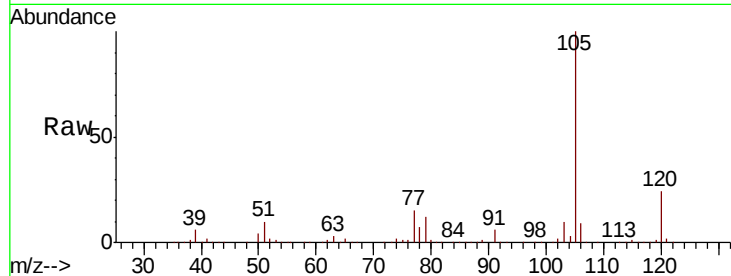
VSTDIC100

Tot Ion:105 Resp: 3861519

Ion Ratio Lower Upper

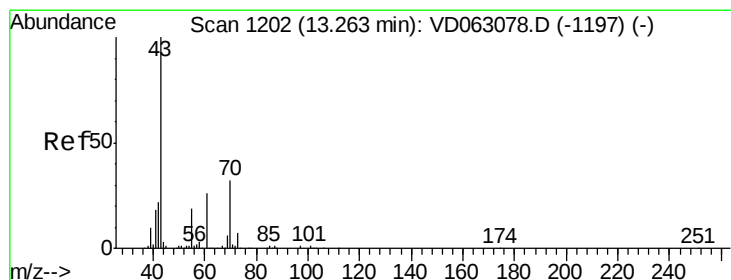
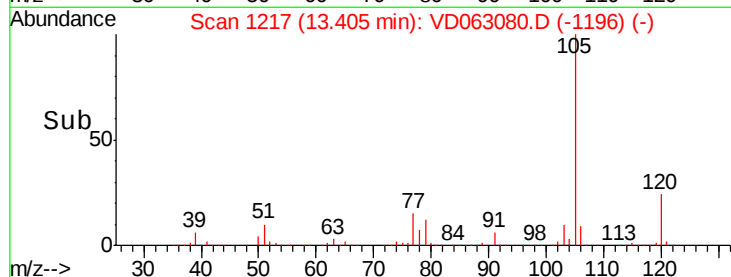
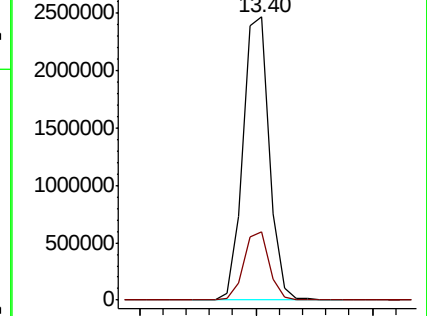
105 100

120 24.1 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 146.752 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Tgt Ion: 43 Resp: 1087947

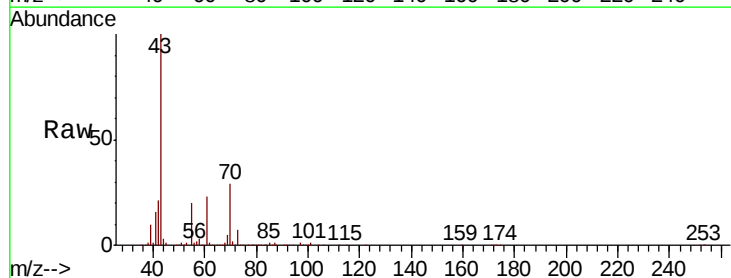
Ion Ratio Lower Upper

43 100

70 28.7 25.5 38.3

55 19.5 15.4 23.0

61 23.2 20.6 31.0

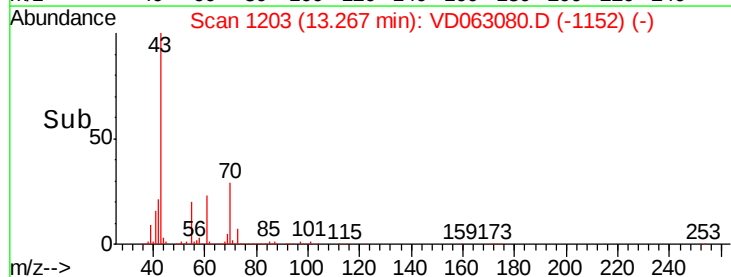
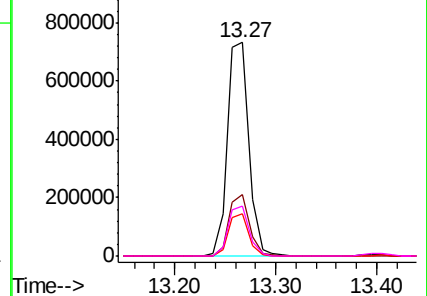


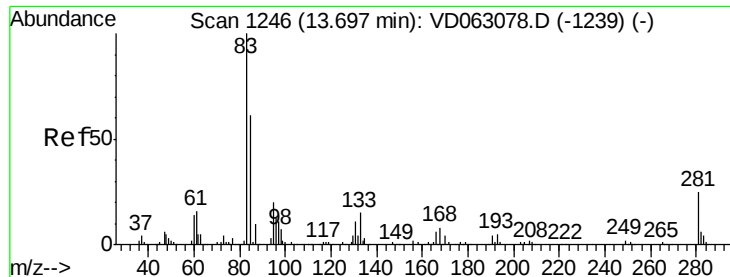
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 141.200 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

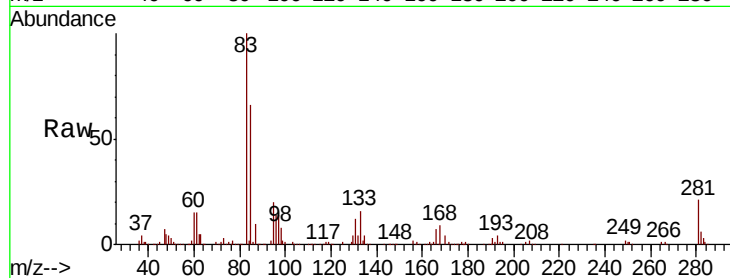
Tot Ion: 83 Resp: 708307

Ion Ratio Lower Upper

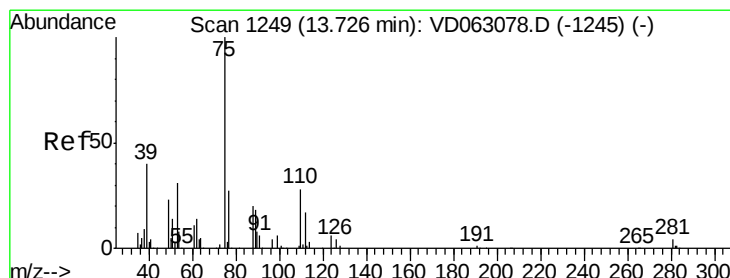
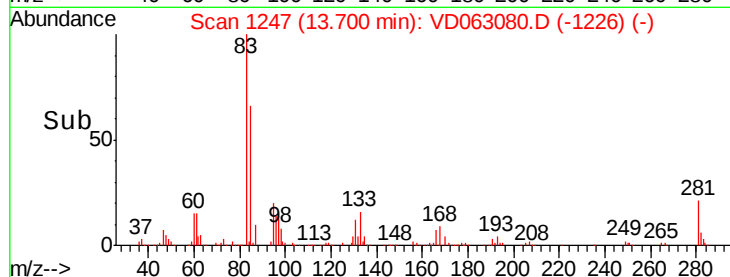
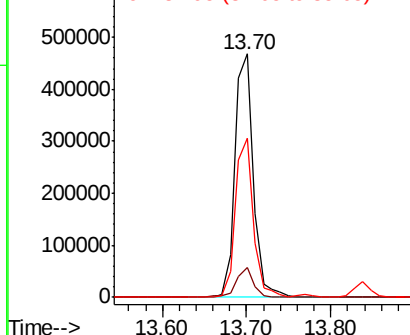
83 100

131 12.4 5.5 16.7

85 65.6 30.7 92.1



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 138.550 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063080.D

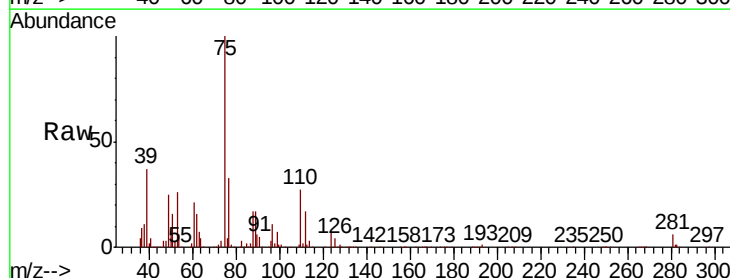
Acq: 15 Jul 2019 13:26

Tgt Ion: 75 Resp: 763508

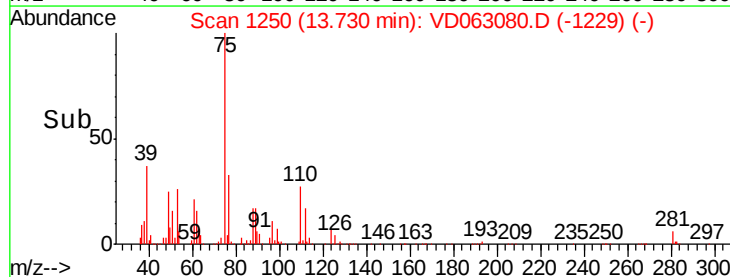
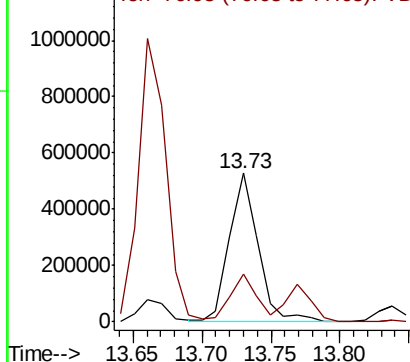
Ion Ratio Lower Upper

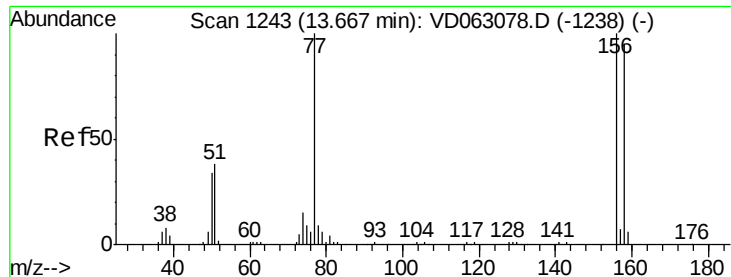
75 100

77 32.5 16.3 48.8



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 137.176 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

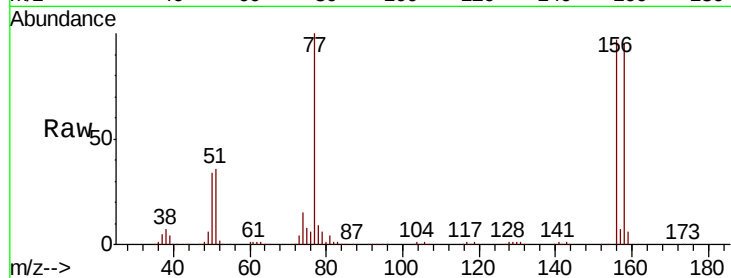
Tot Ion:156 Resp: 1100886

Ion Ratio Lower Upper

156 100

77 102.8 50.2 150.7

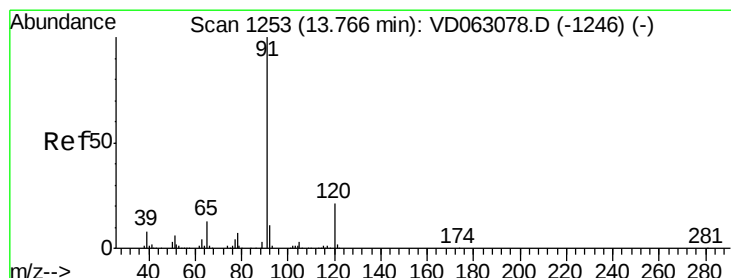
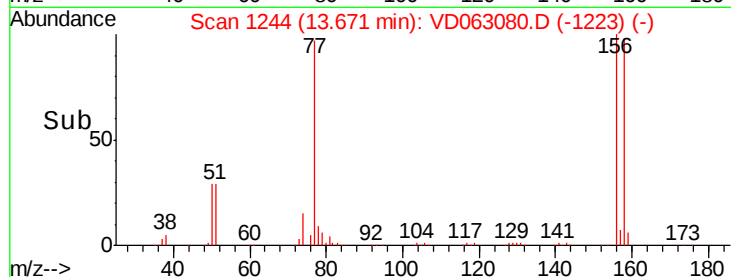
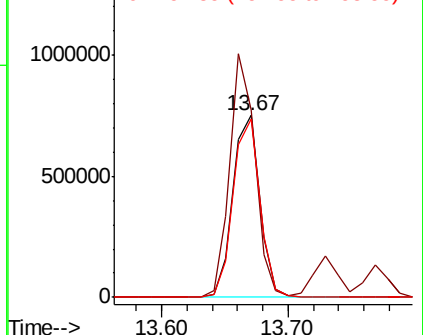
158 97.9 47.6 142.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 116.369 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063080.D

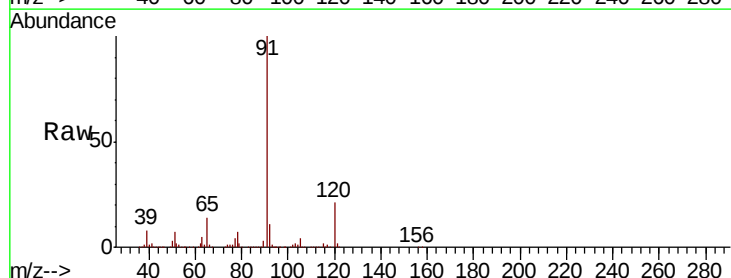
Acq: 15 Jul 2019 13:26

Tgt Ion: 91 Resp: 4073767

Ion Ratio Lower Upper

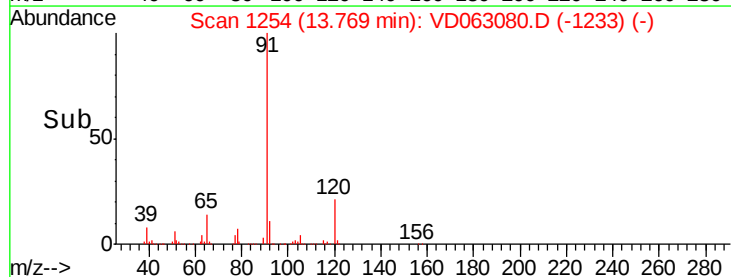
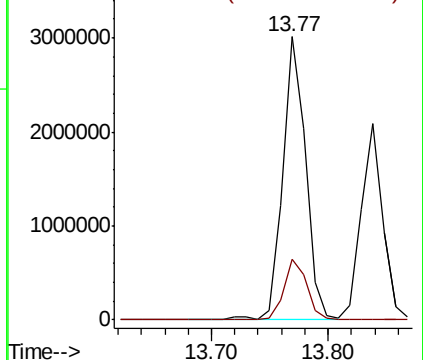
91 100

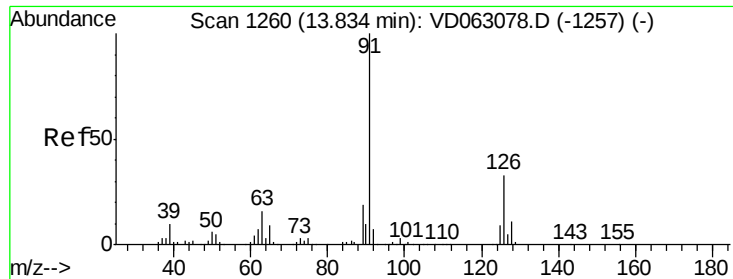
120 21.4 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

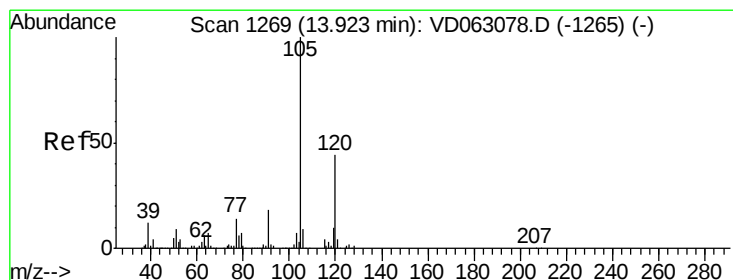
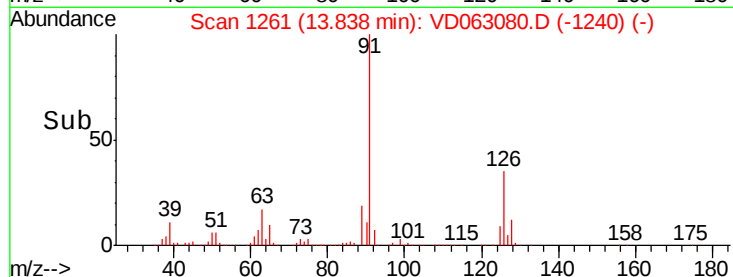
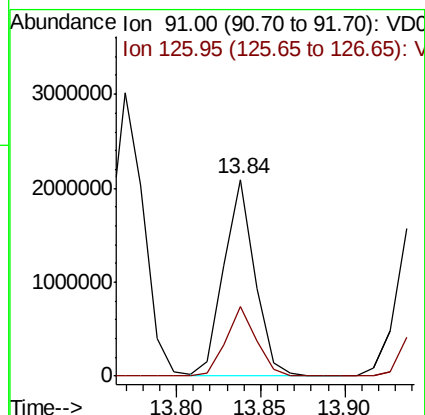
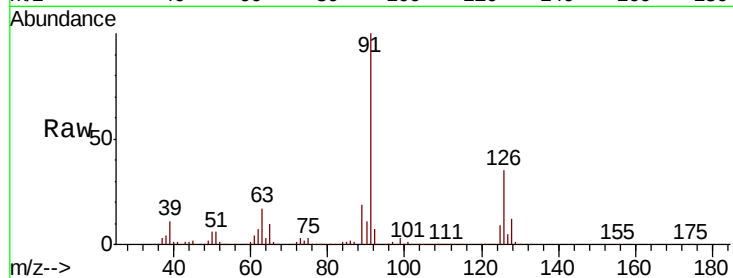




#79
2-Chlorotoluene
Concen: 134.192 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

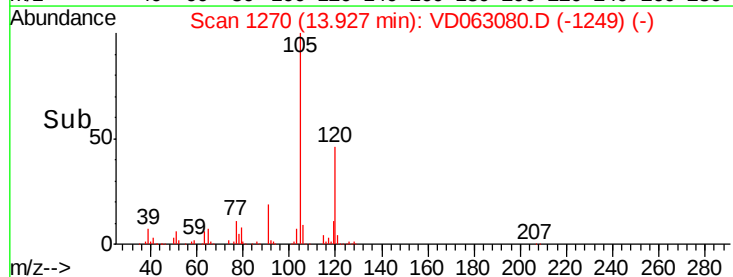
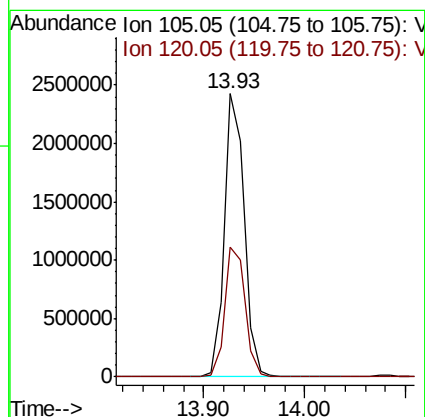
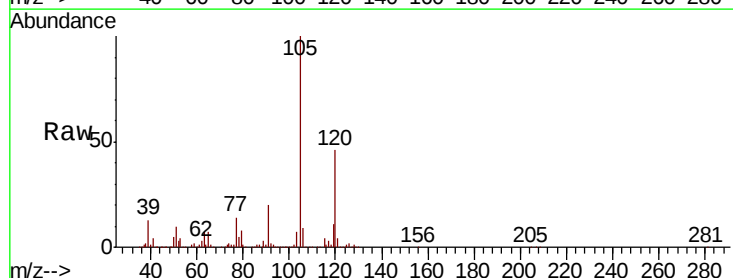
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

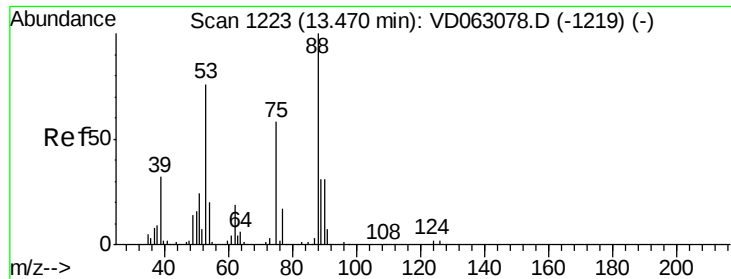
Tot Ion: 91 Resp: 2674142
Ion Ratio Lower Upper
91 100
126 35.1 16.4 49.2



#80
1,3,5-Trimethylbenzene
Concen: 132.225 ug/l
RT: 13.93 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VD063080.D
Acq: 15 Jul 2019 13:26

Tgt Ion: 105 Resp: 3315561
Ion Ratio Lower Upper
105 100
120 45.8 21.8 65.4





#81

trans-1,4-Dichloro-2-butene

Concen: 144.440 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

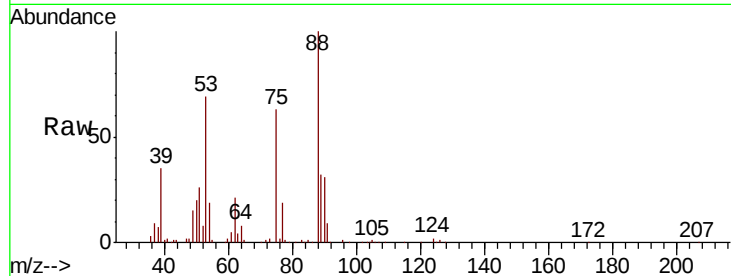
Tot Ion: 75 Resp: 208068

Ion Ratio Lower Upper

75 100

53 109.4 104.4 156.6

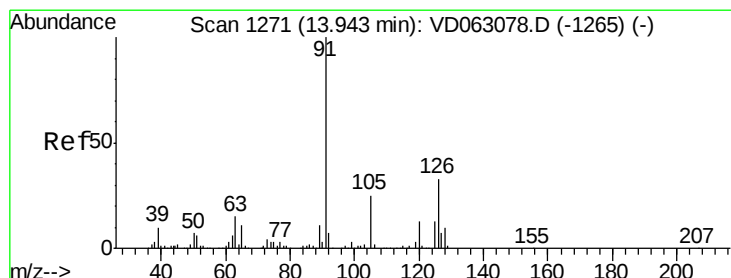
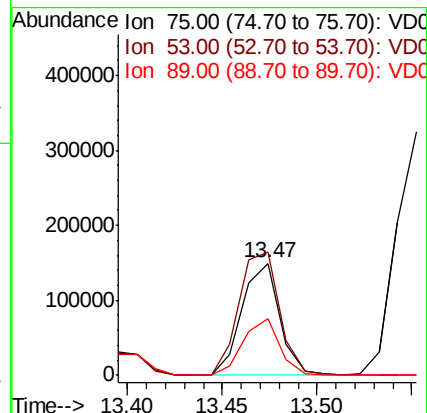
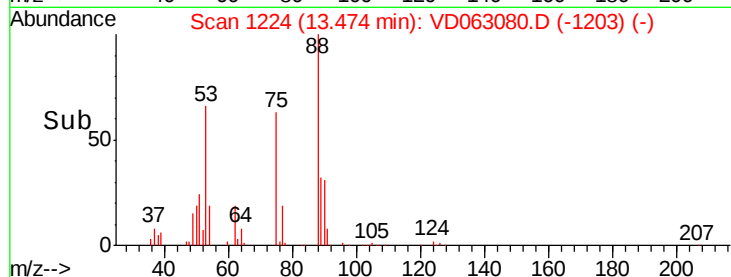
89 50.1 43.1 64.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 128.684 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD063080.D

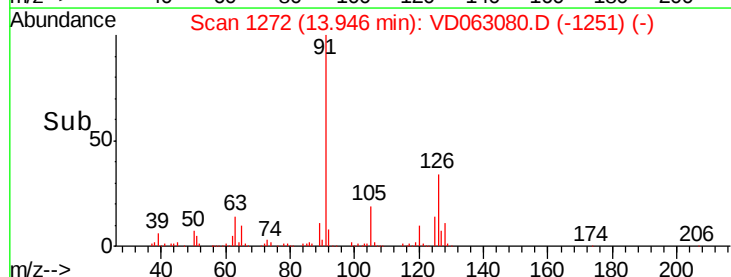
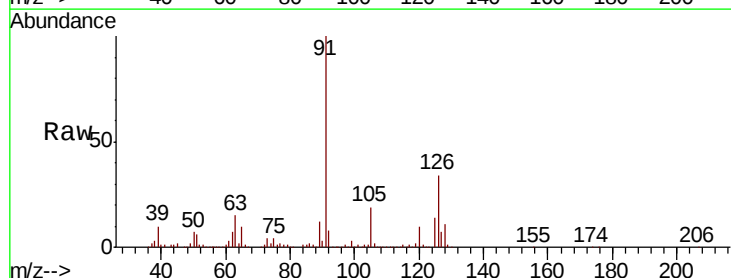
Acq: 15 Jul 2019 13:26

Tgt Ion: 91 Resp: 3081687

Ion Ratio Lower Upper

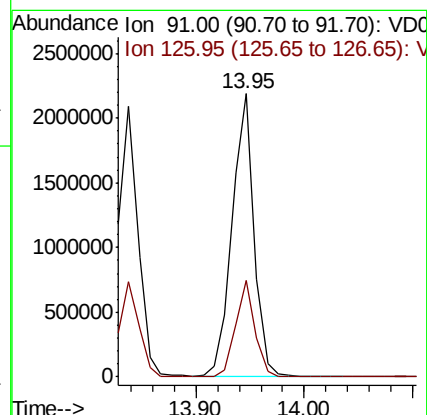
91 100

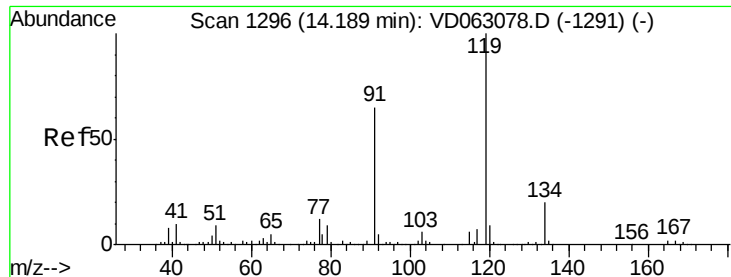
126 34.1 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 133.943 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

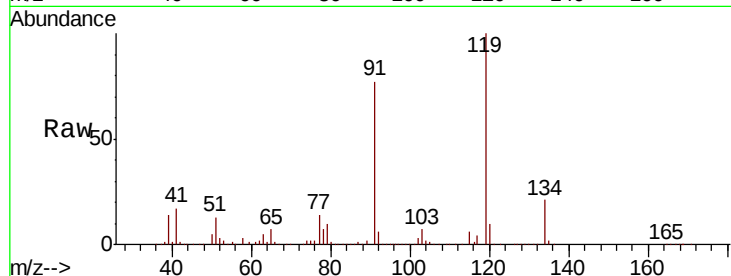
Tot Ion:119 Resp: 3768477

Ion Ratio Lower Upper

119 100

91 77.2 32.4 97.2

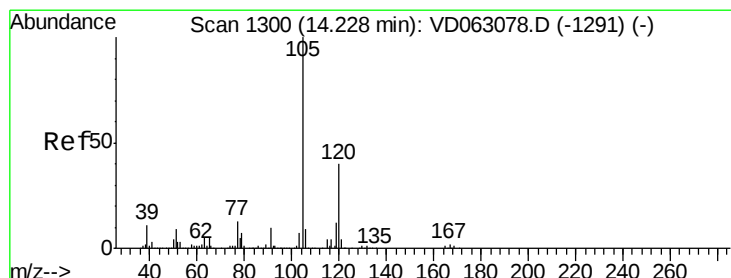
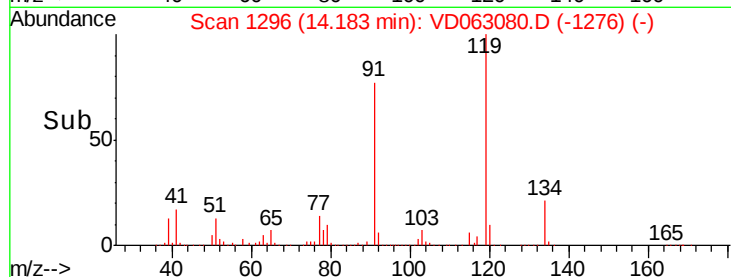
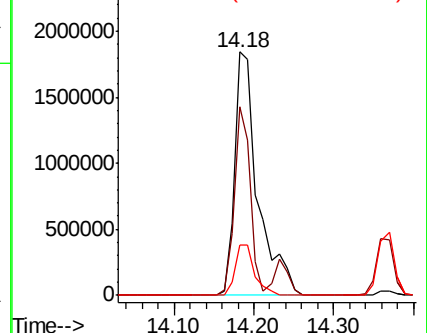
134 20.9 10.2 30.6



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: 128.479 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD063080.D

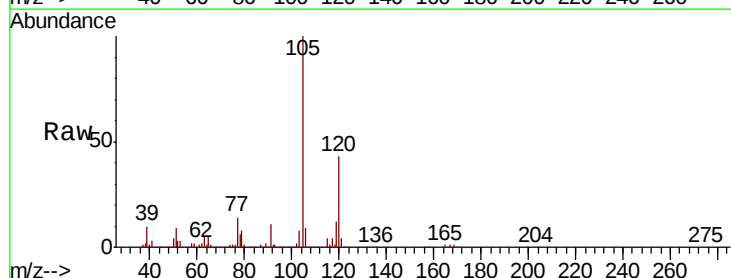
Acq: 15 Jul 2019 13:26

Tgt Ion:105 Resp: 3279005

Ion Ratio Lower Upper

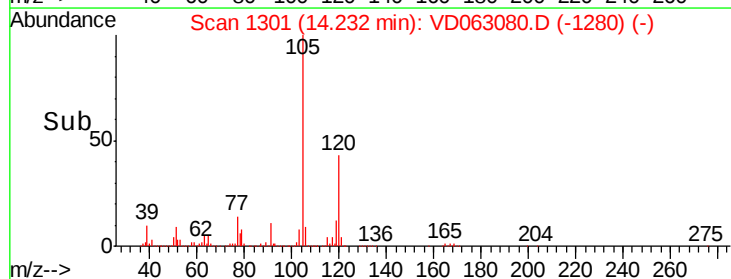
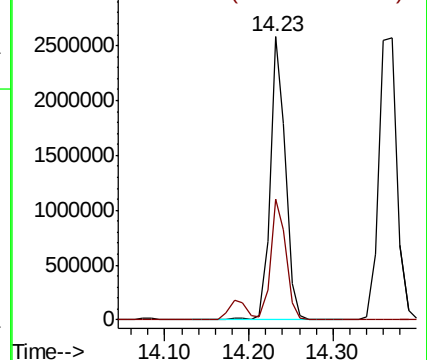
105 100

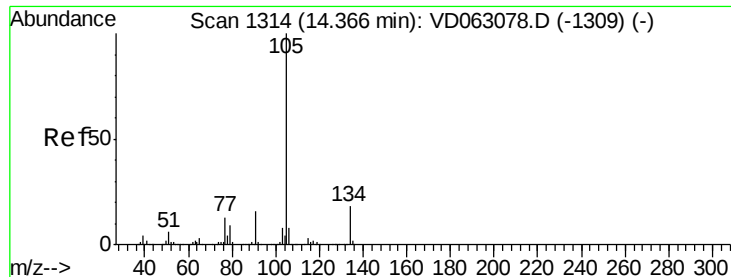
120 42.8 20.2 60.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 126.705 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

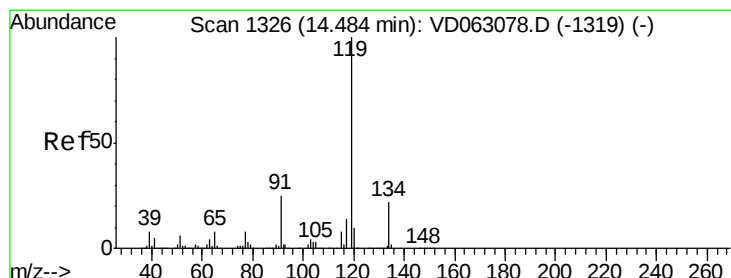
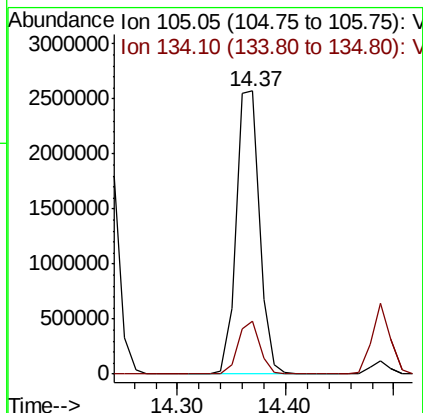
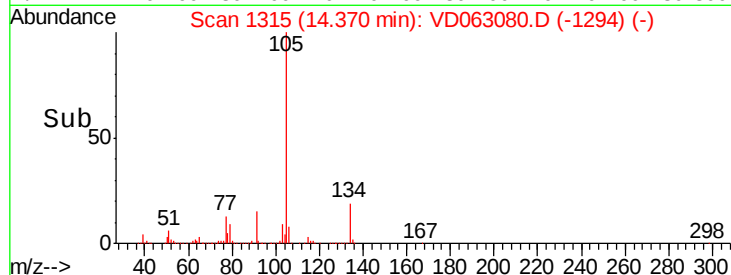
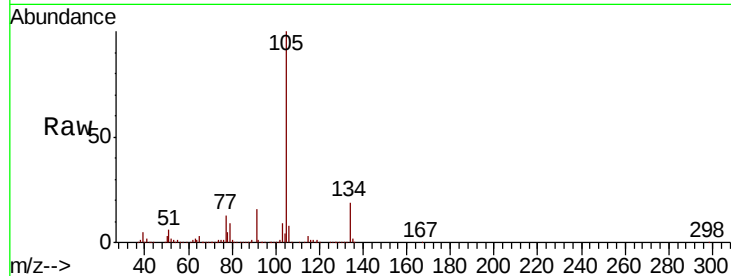
VSTDIC100

Tot Ion:105 Resp: 3862071

Ion Ratio Lower Upper

105 100

134 18.7 8.9 26.8



#86

p-Isopropyltoluene

Concen: 126.558 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

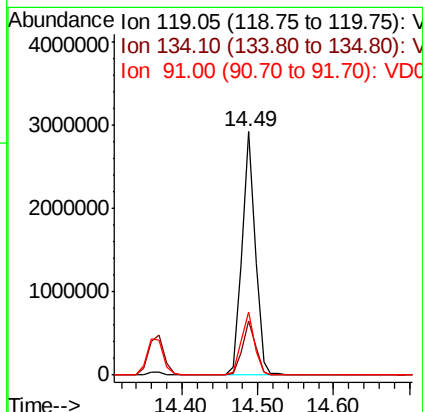
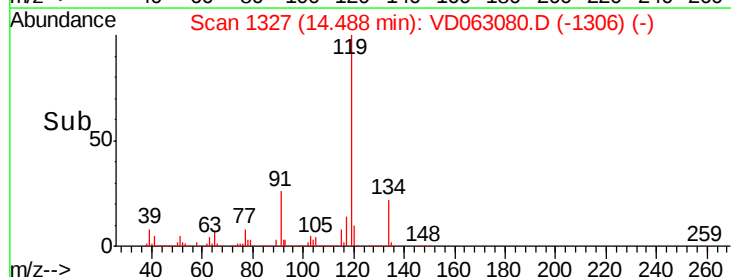
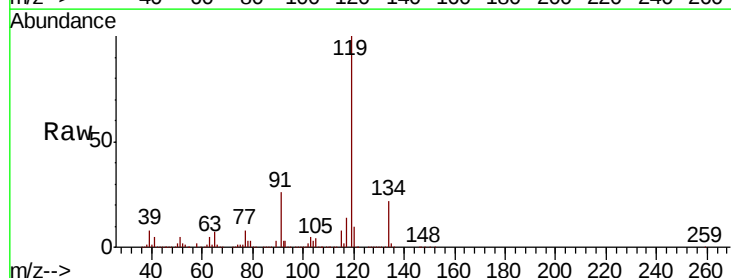
Tgt Ion:119 Resp: 3479374

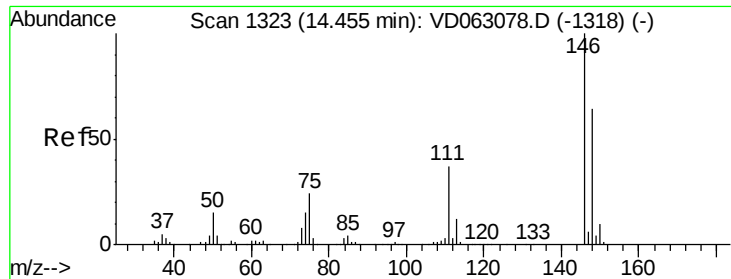
Ion Ratio Lower Upper

119 100

134 22.0 10.8 32.4

91 26.1 12.5 37.5

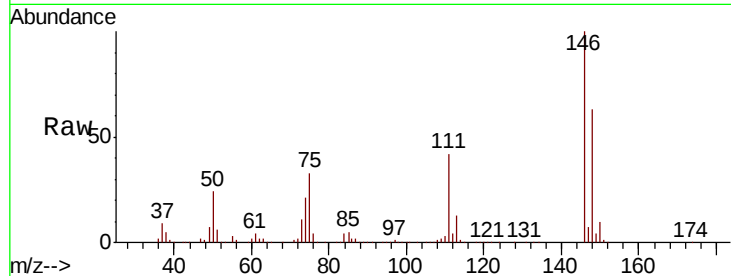




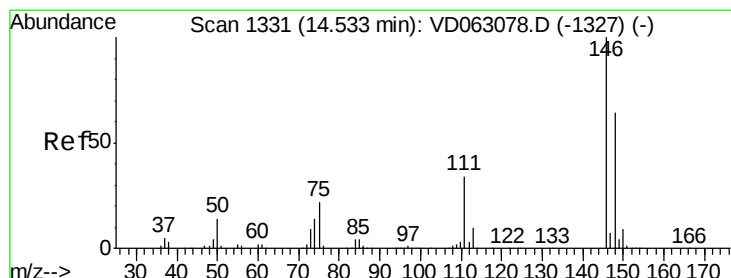
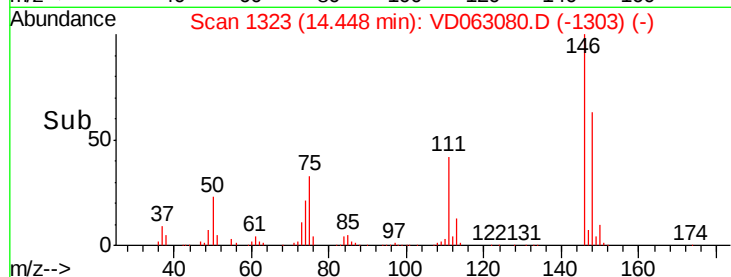
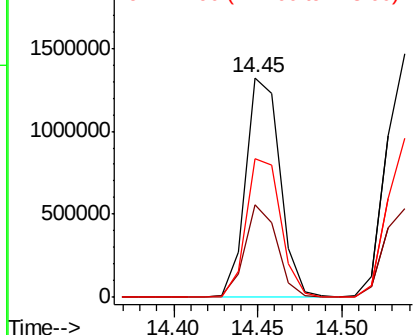
#87
 1,3-Dichlorobenzene
 Concen: 130.231 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063080.D
 Acq: 15 Jul 2019 13:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1869486
 Ion Ratio Lower Upper
 146 100
 111 42.2 18.6 55.6
 148 62.9 32.0 96.0

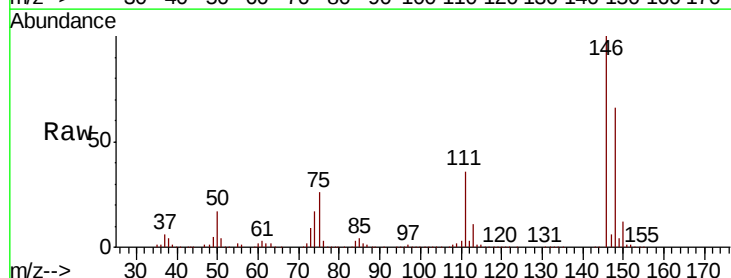


Abundance Ion 145.95 (145.65 to 146.65): V
 2000000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

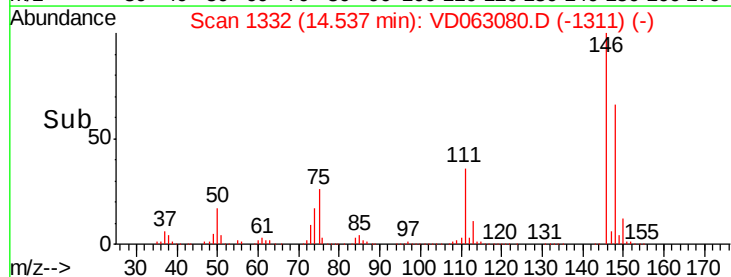
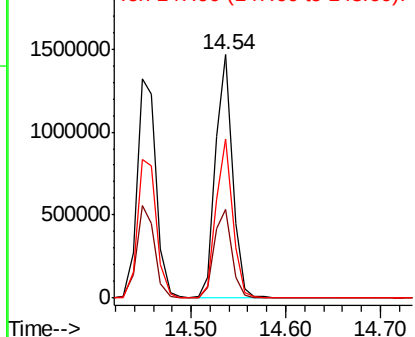


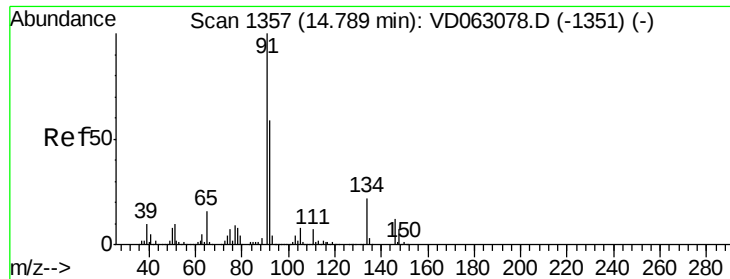
#88
 1,4-Dichlorobenzene
 Concen: 127.220 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063080.D
 Acq: 15 Jul 2019 13:26

Tgt Ion:146 Resp: 1827142
 Ion Ratio Lower Upper
 146 100
 111 36.3 17.0 51.0
 148 65.6 32.0 96.2



Abundance Ion 145.95 (145.65 to 146.65): V
 2000000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 128.187 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

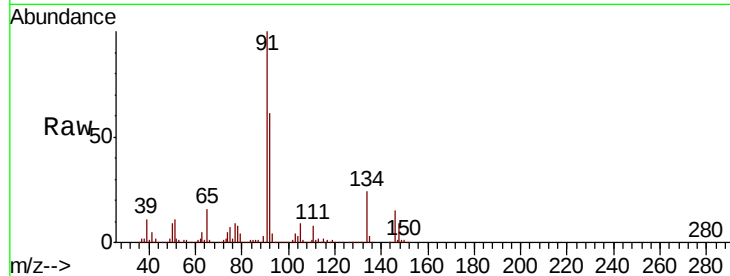
Tot Ion: 91 Resp: 3343789

Ion Ratio Lower Upper

91 100

92 60.5 29.4 88.3

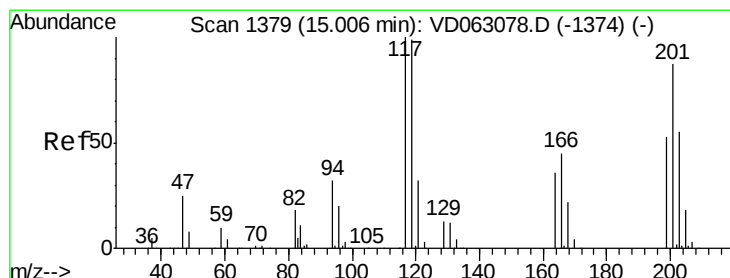
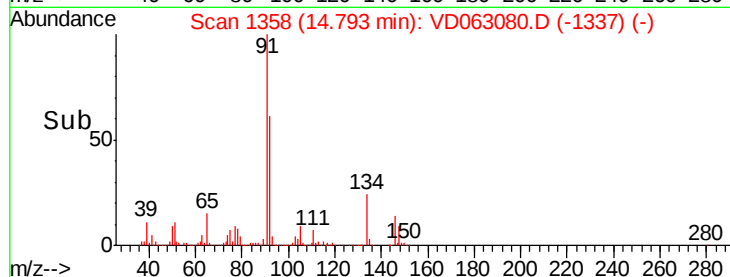
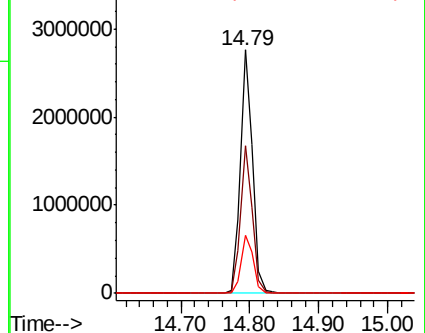
134 24.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 134.722 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD063080.D

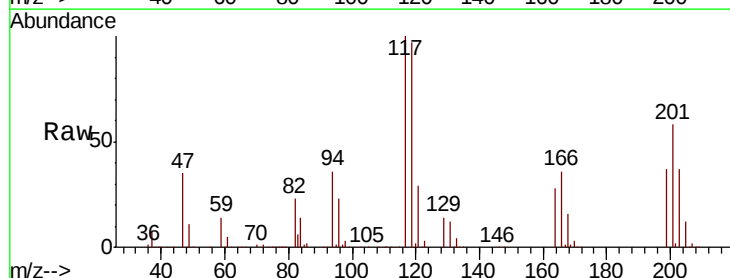
Acq: 15 Jul 2019 13:26

Tgt Ion: 117 Resp: 1006361

Ion Ratio Lower Upper

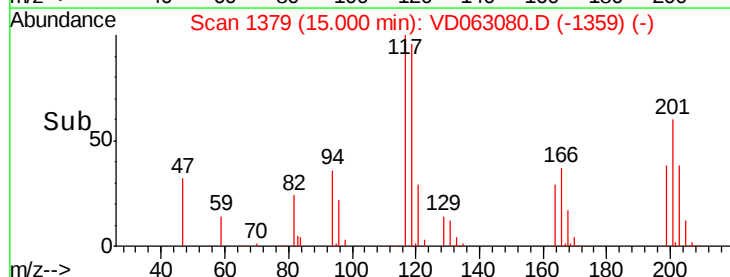
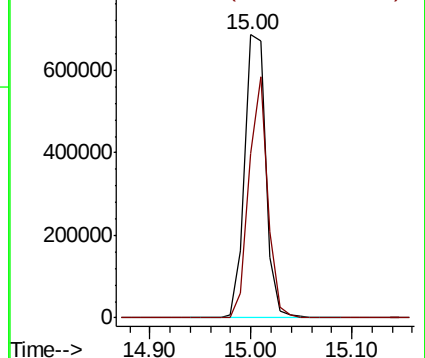
117 100

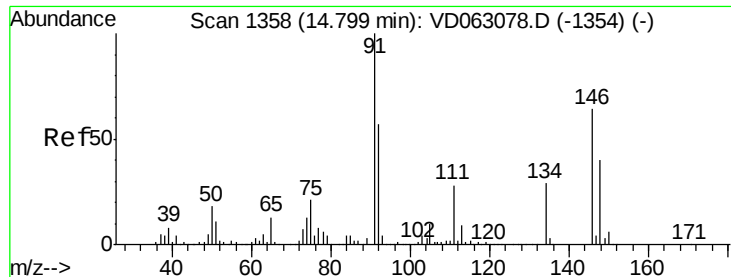
201 58.2 43.4 130.1



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 128.867 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

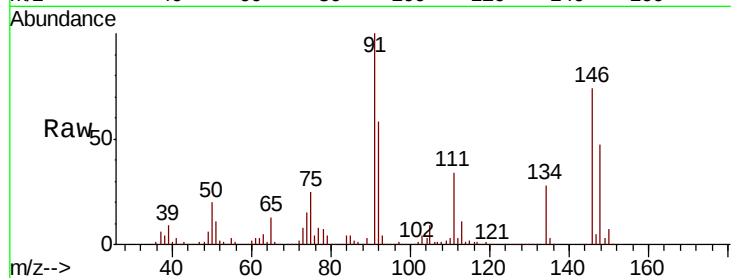
Tot Ion:146 Resp: 1606807

Ion Ratio Lower Upper

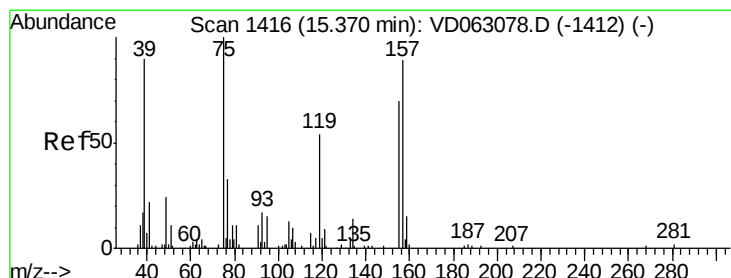
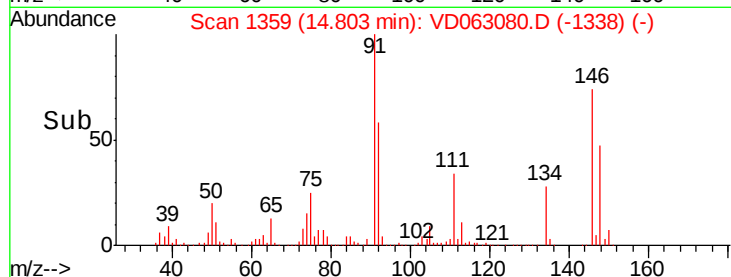
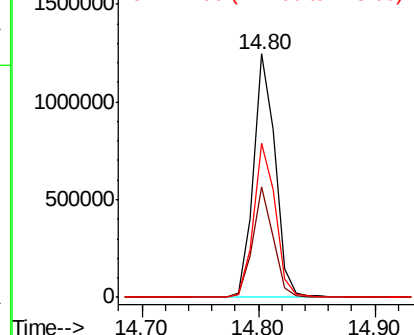
146 100

111 45.4 21.9 65.5

148 63.5 31.5 94.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 146.961 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

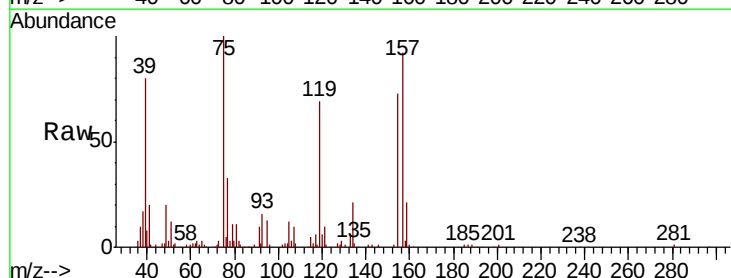
Tgt Ion: 75 Resp: 142035

Ion Ratio Lower Upper

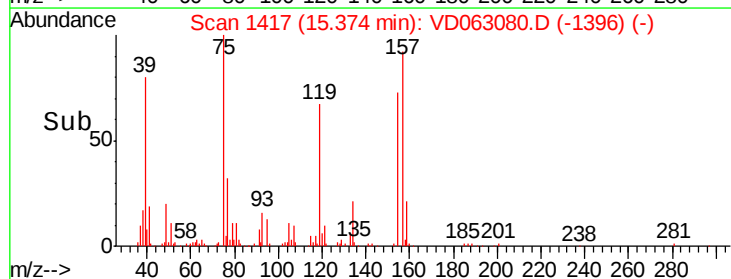
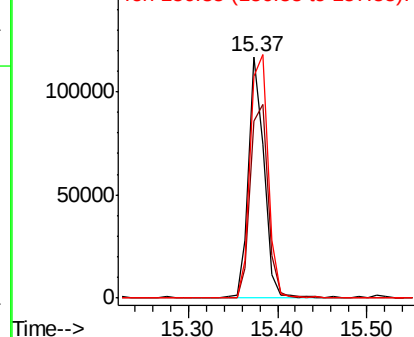
75 100

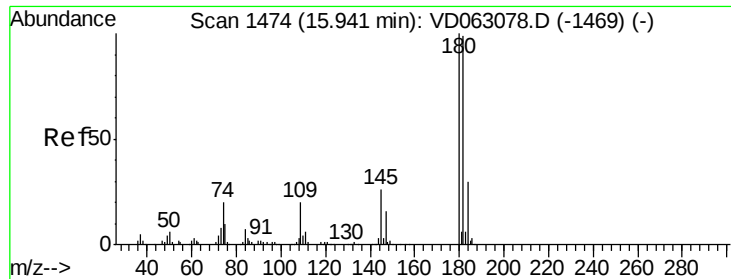
155 73.5 34.8 104.3

157 92.0 44.7 134.1



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 154.90 (154.60 to 155.60): V
Ion 156.85 (156.55 to 157.55): V

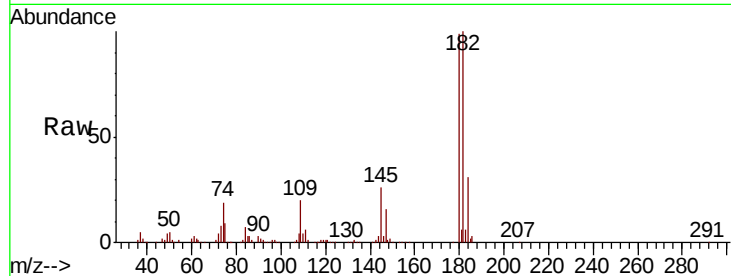




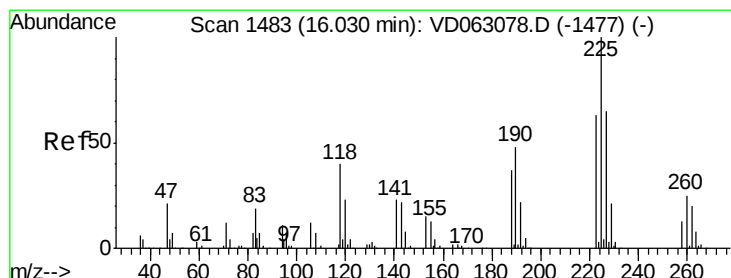
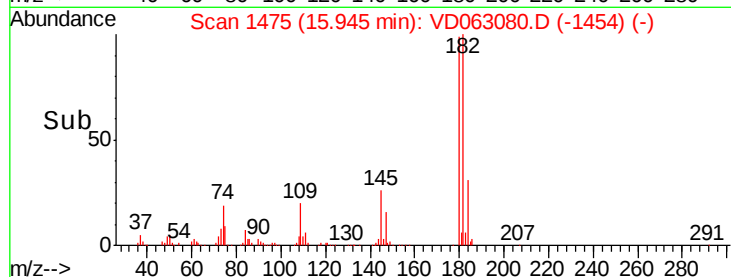
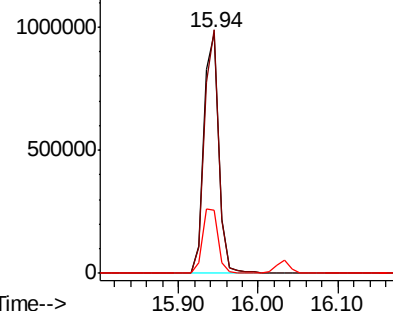
#93
 1,2,4-Trichlorobenzene
 Concen: 133.564 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD063080.D
 Acq: 15 Jul 2019 13:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:180 Resp: 1307067
 Ion Ratio Lower Upper
 180 100
 182 101.4 49.5 148.3
 145 26.6 12.8 38.4

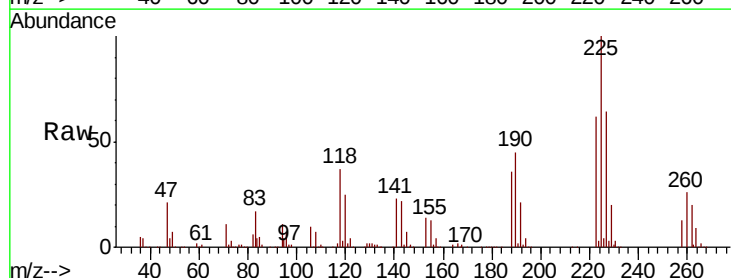


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

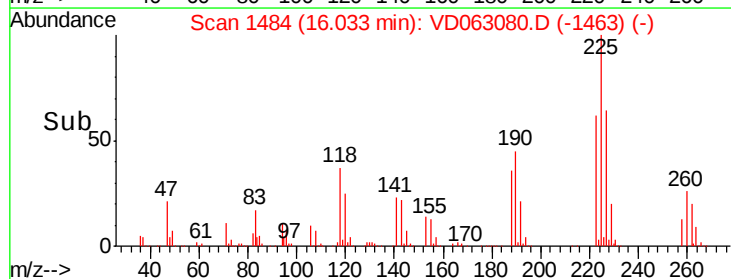
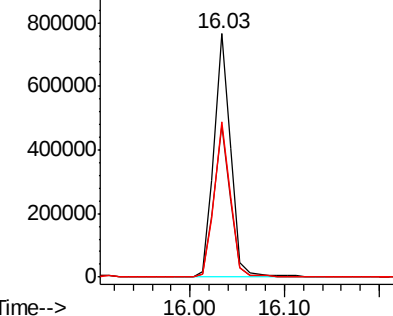


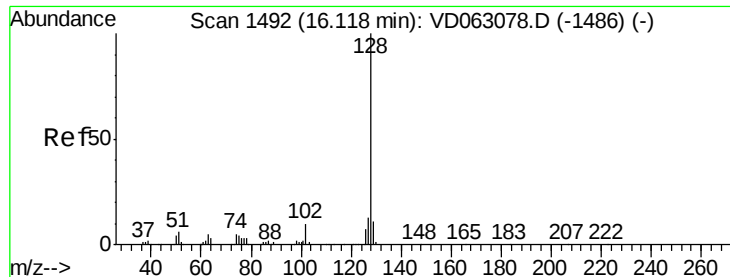
#94
 Hexachlorobutadiene
 Concen: 126.720 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063080.D
 Acq: 15 Jul 2019 13:26

Tgt Ion:225 Resp: 937770
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.4 94.2
 227 63.7 32.6 97.8



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: 139.779 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

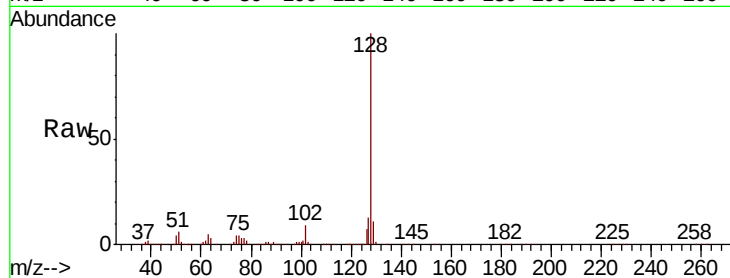
Tot Ion:128 Resp: 1894193

Ion Ratio Lower Upper

128 100

127 12.6 10.7 16.1

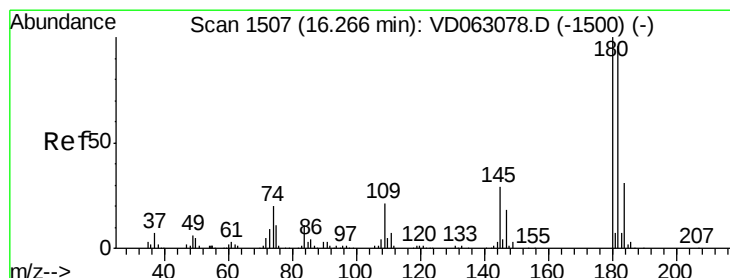
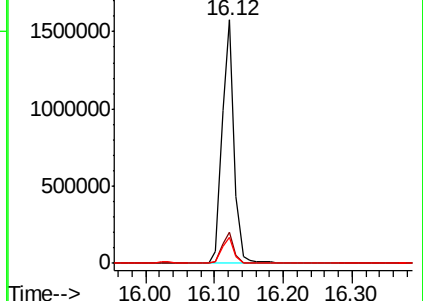
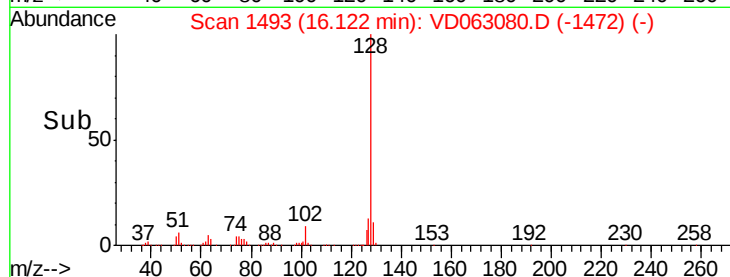
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 134.080 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

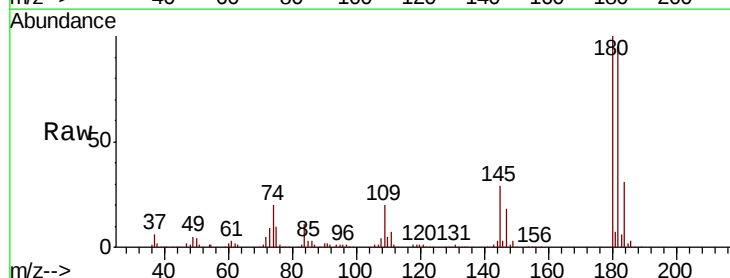
Tgt Ion:180 Resp: 1017711

Ion Ratio Lower Upper

180 100

182 95.2 47.9 143.6

145 28.9 14.4 43.4



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

