

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050119\
 Data File : VD062106.D
 Acq On : 1 May 2019 18:24
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 02 01:24:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 08:37:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	554062	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	895092	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.35	117	735208	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	344220	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	225460	51.99	ug/l	-0.02
Spiked Amount			Recovery	=	103.98%	
35) Dibromofluoromethane	6.90	113	339388	54.82	ug/l	-0.03
Spiked Amount			Recovery	=	109.64%	
50) Toluene-d8	10.39	98	730400	49.59	ug/l	-0.02
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	13.55	95	294553	49.86	ug/l	-0.01
Spiked Amount			Recovery	=	99.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	209332	42.312	ug/l	100
3) Chloromethane	1.75	50	170027	40.436	ug/l	96
4) Vinyl Chloride	1.84	62	170629	44.771	ug/l	96
5) Bromomethane	2.15	94	56085	57.839	ug/l	97
6) Chloroethane	2.26	64	72500	52.625	ug/l	90
7) Trichlorofluoromethane	2.52	101	280435	48.666	ug/l	95
8) Diethyl Ether	2.86	74	80263	51.969	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.14	101	261888	49.336	ug/l	99
10) Methyl Iodide	3.30	142	380591	47.380	ug/l	98
11) Tert butyl alcohol	4.04	59	58802	239.999	ug/l	100
12) 1,1-Dichloroethene	3.12	96	214730	47.547	ug/l	96
13) Acrolein	3.02	56	67484	265.463	ug/l	97
14) Allyl chloride	3.60	41	274389	44.494	ug/l	93
15) Acrylonitrile	4.17	53	191827	252.843	ug/l	87
16) Acetone	3.21	43	257107	248.316	ug/l	95
17) Carbon Disulfide	3.37	76	601081	46.058	ug/l	98
18) Methyl Acetate	3.62	43	92202	49.061	ug/l	98
19) Methyl tert-butyl Ether	4.22	73	431970	48.207	ug/l	96
20) Methylene Chloride	3.80	84	242794	48.043	ug/l	98
21) trans-1,2-Dichloroethene	4.20	96	236088	45.569	ug/l	95
22) Diisopropyl ether	5.10	45	670681	46.582	ug/l	97
23) Vinyl Acetate	5.03	43	1870413	249.456	ug/l	100
24) 1,1-Dichloroethane	4.96	63	403388	46.354	ug/l	99
25) 2-Butanone	6.04	43	297160	236.715	ug/l	95
26) 2,2-Dichloropropane	6.00	77	379603	50.002	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	283311	48.069	ug/l	97
28) Bromochloromethane	6.42	49	167663	50.354	ug/l	93
29) Tetrahydrofuran	6.44	42	135959	219.805	ug/l	99
30) Chloroform	6.64	83	465141	47.059	ug/l	100
31) Cyclohexane	6.94	56	281437	43.571	ug/l	96
32) 1,1,1-Trichloroethane	6.85	97	415415	48.303	ug/l	98
36) 1,1-Dichloropropene	7.13	75	314613	45.114	ug/l	95
37) Ethyl Acetate	6.15	43	132836	44.700	ug/l	97
38) Carbon Tetrachloride	7.10	117	400459m	45.317	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	308527	44.841	ug/l	97
40) Benzene	7.44	78	729895	42.277	ug/l	99
41) Methacrylonitrile	6.42	41	165294	47.671	ug/l #	91
42) 1,2-Dichloroethane	7.56	62	280529	47.856	ug/l	100
43) Isopropyl Acetate	9.22	43	203666	46.905	ug/l #	97
44) Trichloroethene	8.52	130	293711	43.882	ug/l	99
45) 1,2-Dichloropropane	8.92	63	200343	45.742	ug/l	100
46) Dibromomethane	9.05	93	144628	45.891	ug/l	99
47) Bromodichloromethane	9.36	83	345149	46.350	ug/l	99
48) Methyl methacrylate	9.11	41	114353	46.158	ug/l	95
49) 1,4-Dioxane	9.07	88	24601	921.050	ug/l	98
51) 4-Methyl-2-Pentanone	10.29	43	619680	233.359	ug/l	100
52) Toluene	10.49	92	448057	40.702	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	297951	47.668	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	353866	46.547	ug/l	98
55) 1,1,2-Trichloroethane	11.17	97	160186	43.344	ug/l	97
56) Ethyl methacrylate	11.02	69	181824	44.422	ug/l	99
57) 1,3-Dichloropropane	11.40	76	257887	45.181	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	439975	231.201	ug/l	99
59) 2-Hexanone	11.52	43	435325	218.538	ug/l	99
60) Dibromochloromethane	11.67	129	317002	51.840	ug/l	99
61) 1,2-Dibromoethane	11.79	107	200876	45.820	ug/l	96
64) Tetrachloroethene	11.24	164	228170	43.505	ug/l	97
65) Chlorobenzene	12.39	112	577232	41.549	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	263556	44.723	ug/l	98
67) Ethyl Benzene	12.51	91	951560	41.964	ug/l	99
68) m/p-Xylenes	12.66	106	689892	84.178	ug/l	98
69) o-Xylene	13.04	106	329828	43.985	ug/l	100
70) Styrene	13.06	104	539735	41.685	ug/l	98
71) Bromoform	13.23	173	158856	47.283	ug/l #	99
73) Isopropylbenzene	13.40	105	938086	40.854	ug/l	98
74) N-amyl acetate	13.26	43	260900	44.119	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	187761	41.728	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	195550	44.737	ug/l	96
77) Bromobenzene	13.66	156	252639	38.354	ug/l	92
78) n-propylbenzene	13.77	91	1170748	44.539	ug/l	96
79) 2-Chlorotoluene	13.83	91	672795	42.256	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	790746	43.189	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	59081	44.603	ug/l	97
82) 4-Chlorotoluene	13.94	91	764886	43.622	ug/l	91
83) tert-Butylbenzene	14.19	119	949892	44.786	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	815150	46.628	ug/l	100
85) sec-Butylbenzene	14.36	105	1041324	45.438	ug/l	97
86) p-Isopropyltoluene	14.48	119	921973	44.951	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	517492	44.862	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	500922	46.435	ug/l	98
89) n-Butylbenzene	14.80	91	720468	39.126	ug/l	98
90) Hexachloroethane	15.00	117	253216	45.656	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	386680	40.638	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.38	75	29160	44.186	ug/l	97

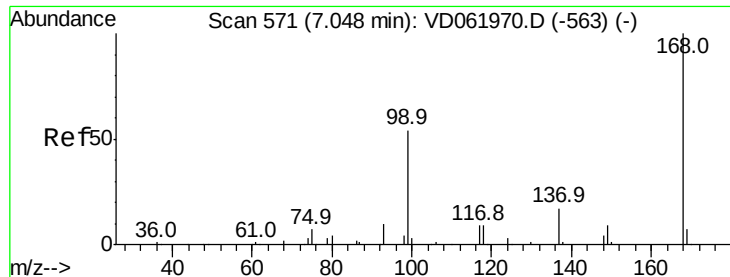
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050119\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	214449	41.771	ug/l	95
94) Hexachlorobutadiene	16.04	225	162000	42.639	ug/l	97
95) Naphthalene	16.11	128	368977	44.512	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	121308	41.644	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.02 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

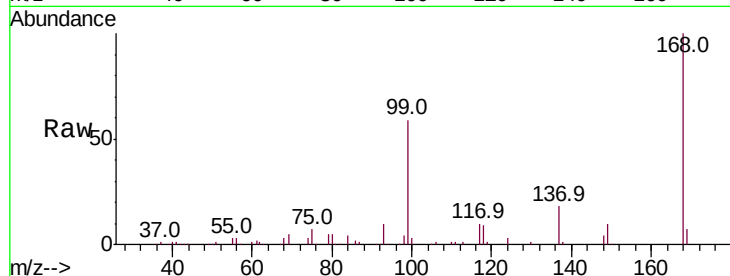
VSTDCCC050EC

Tot Ion:168 Resp: 554062

Ion Ratio Lower Upper

168 100

99 59.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

200000

150000

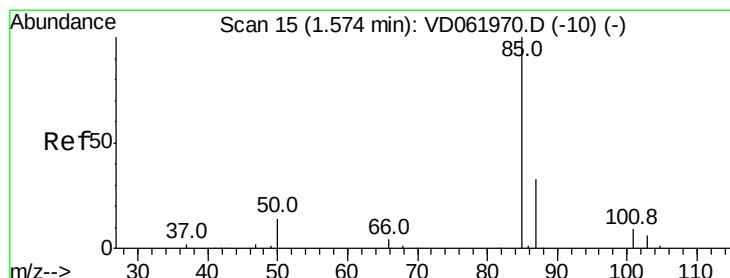
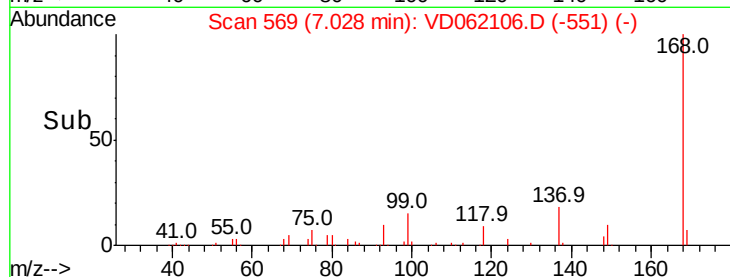
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50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 42.312 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD062106.D

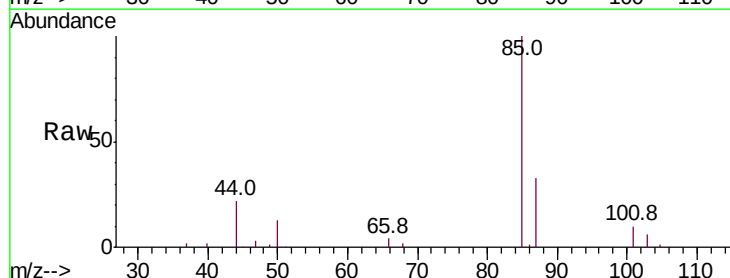
Acq: 1 May 2019 18:24

Tgt Ion: 85 Resp: 209332

Ion Ratio Lower Upper

85 100

87 32.7 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

100000

80000

60000

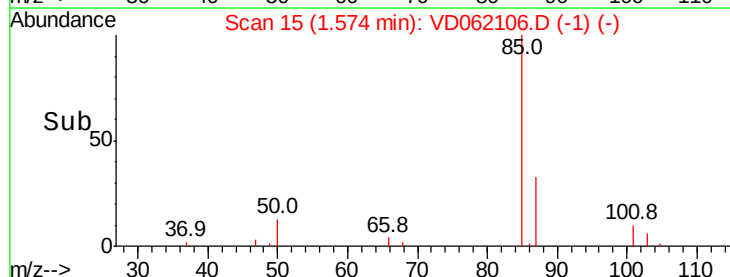
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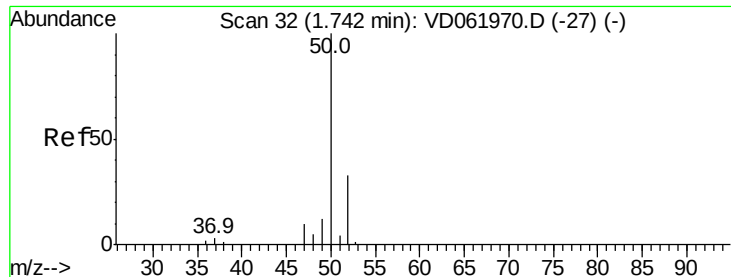
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 40.436 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.00 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

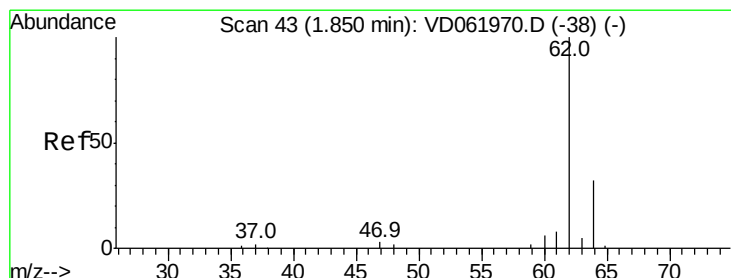
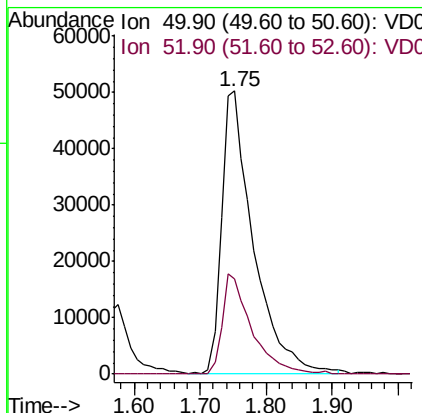
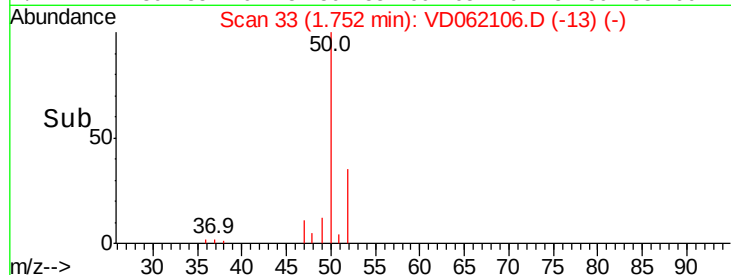
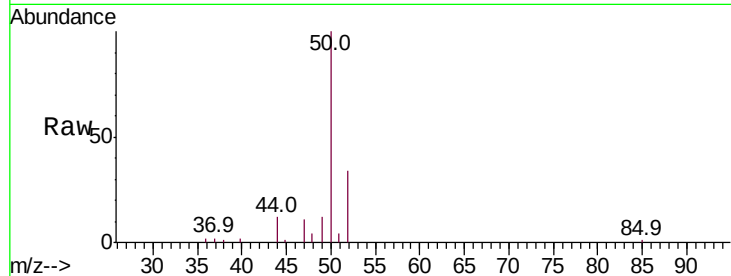
VSTDCCC050EC

Tot Ion: 50 Resp: 170027

Ion Ratio Lower Upper

50 100

52 33.6 25.2 37.8



#4

Vinyl Chloride

Concen: 44.771 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD062106.D

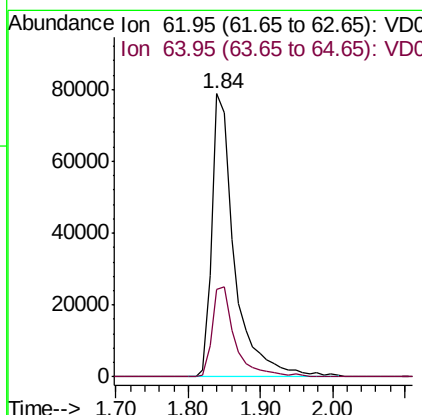
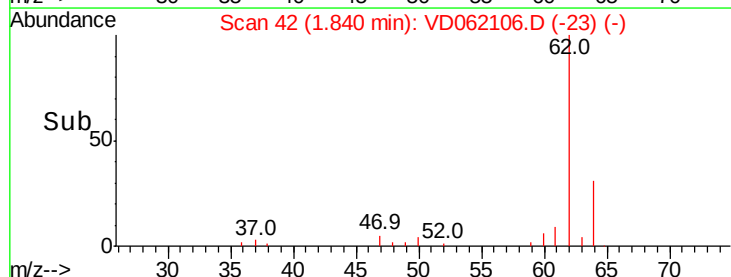
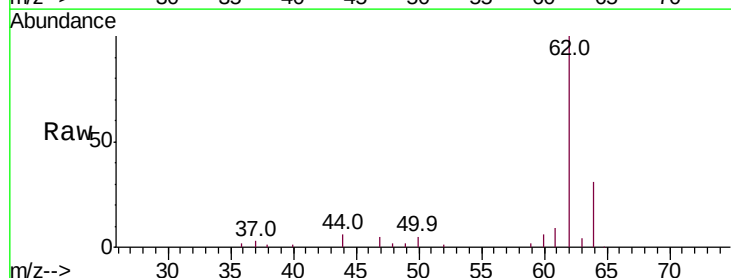
Acq: 1 May 2019 18:24

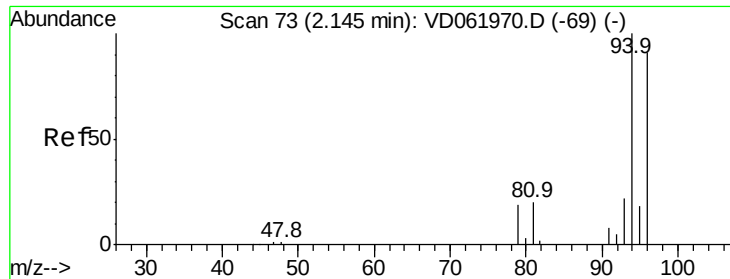
Tgt Ion: 62 Resp: 170629

Ion Ratio Lower Upper

62 100

64 30.9 26.5 39.7





#5

Bromomethane

Concen: 57.839 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

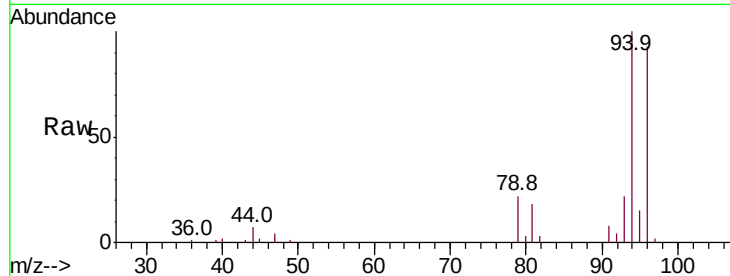
Tot Ion: 94 Resp: 56085

Ion Ratio Lower Upper

94 100

96 93.4 76.6 115.0

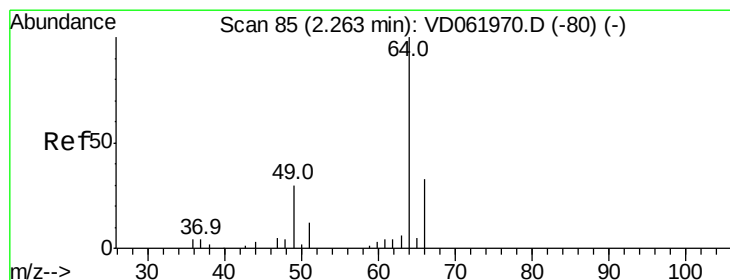
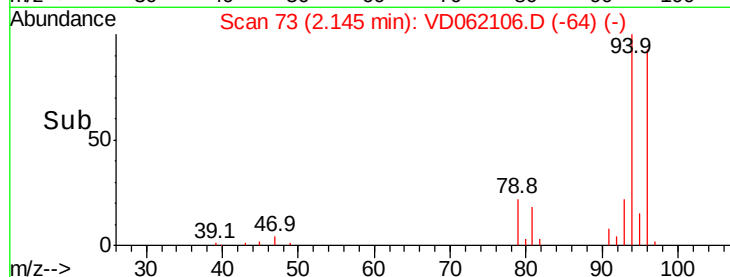
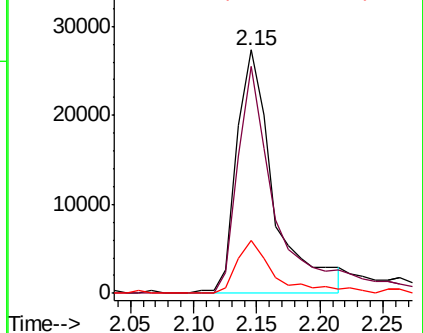
93 21.6 18.5 27.7



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: 52.625 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD062106.D

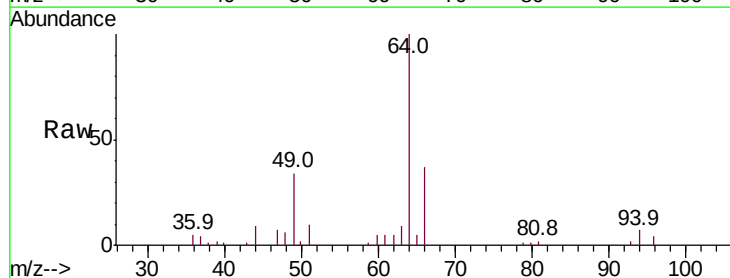
Acq: 1 May 2019 18:24

Tgt Ion: 64 Resp: 72500

Ion Ratio Lower Upper

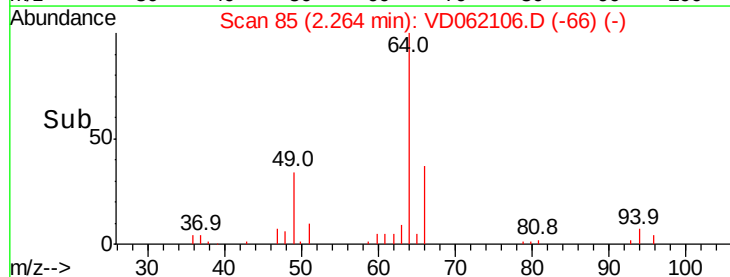
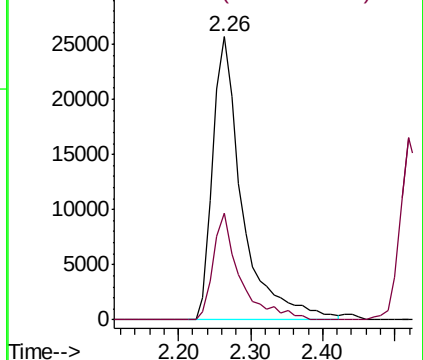
64 100

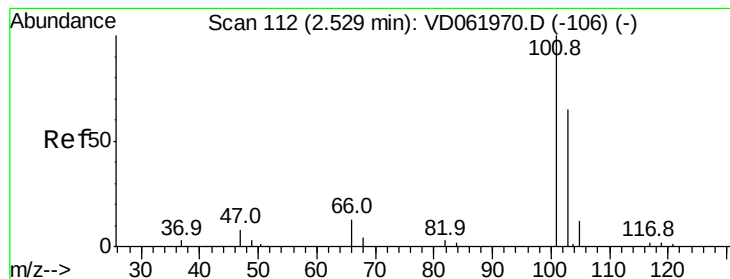
66 37.5 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



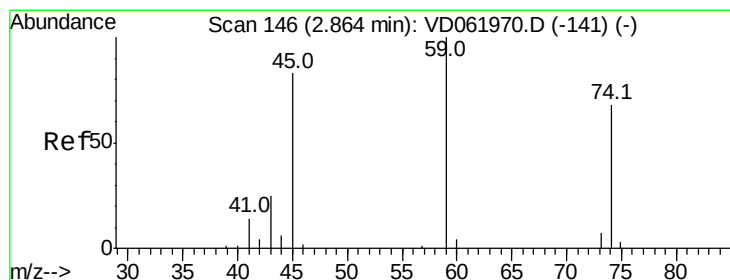
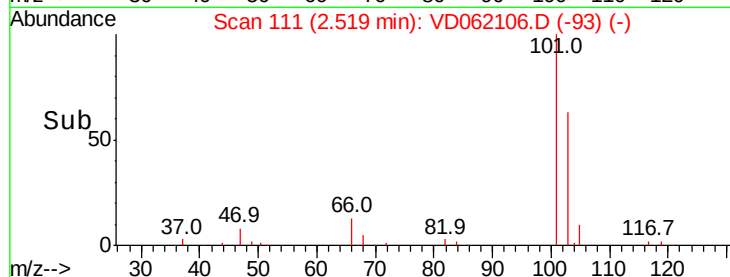
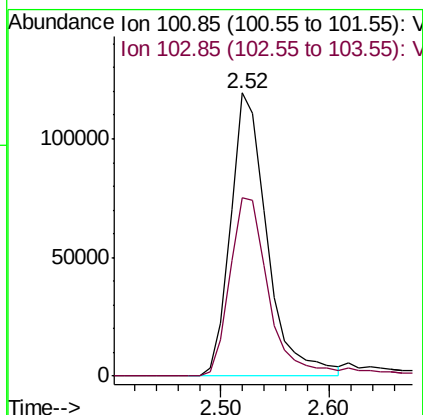
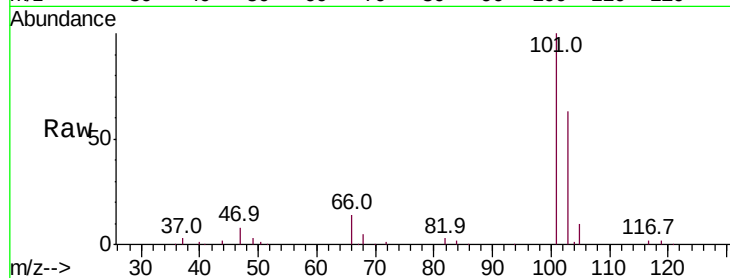


#7

Trichlorofluoromethane
 Concen: 48.666 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.02 min
 Lab File: VD062106.D
 Acq: 1 May 2019 18:24

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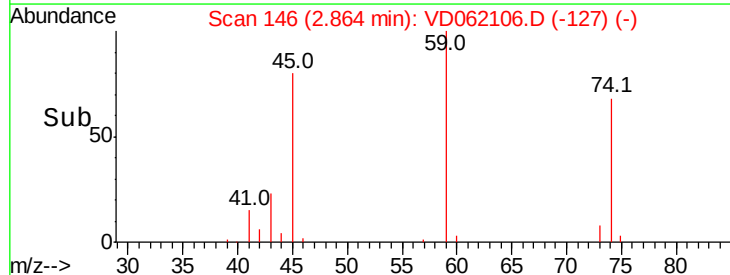
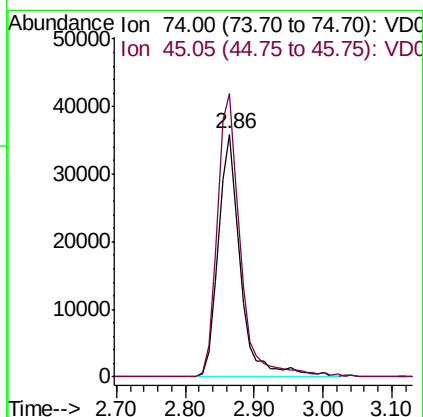
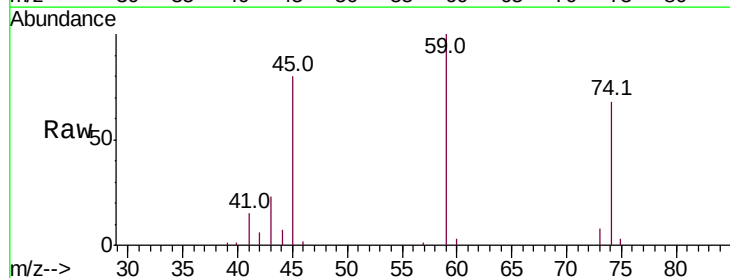
Tot Ion:101 Resp: 280435
 Ion Ratio Lower Upper
 101 100
 103 62.9 53.6 80.4

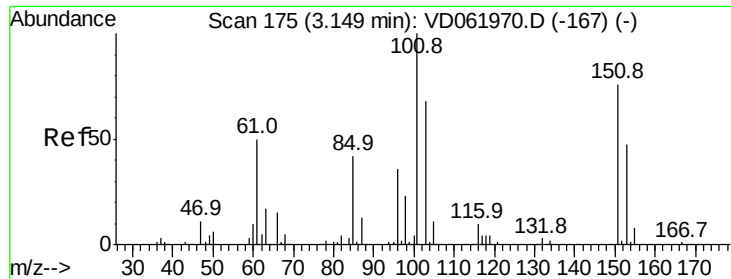


#8

Diethyl Ether
 Concen: 51.969 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.01 min
 Lab File: VD062106.D
 Acq: 1 May 2019 18:24

Tgt Ion: 74 Resp: 80263
 Ion Ratio Lower Upper
 74 100
 45 116.5 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.336 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

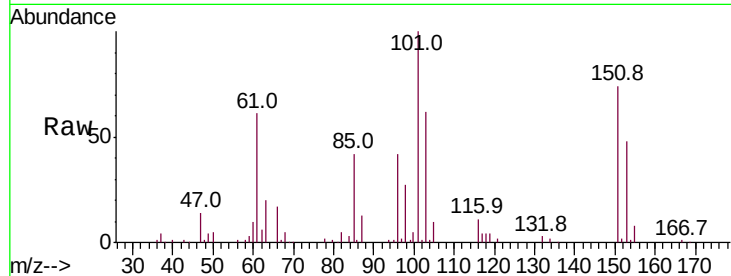
Tot Ion:101 Resp: 261888

Ion Ratio Lower Upper

101 100

85 41.6 32.4 48.6

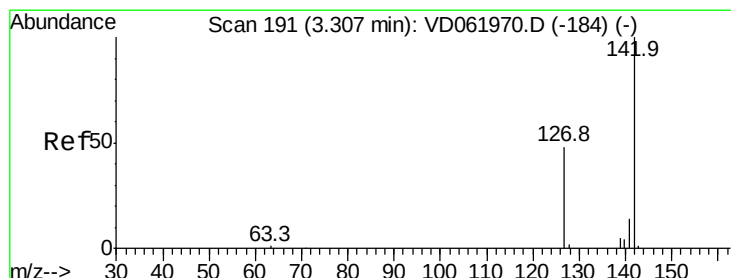
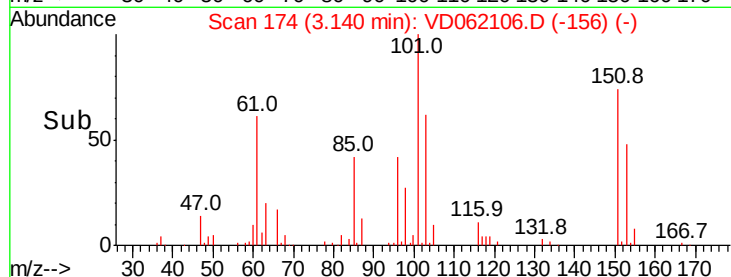
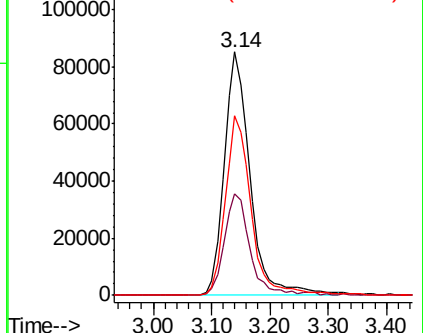
151 74.0 59.4 89.0



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: 47.380 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.02 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

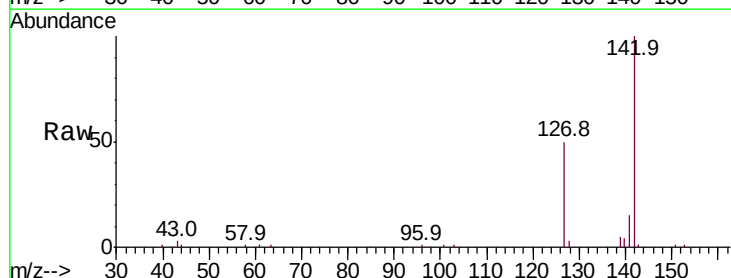
Tgt Ion:142 Resp: 380591

Ion Ratio Lower Upper

142 100

127 49.8 38.8 58.2

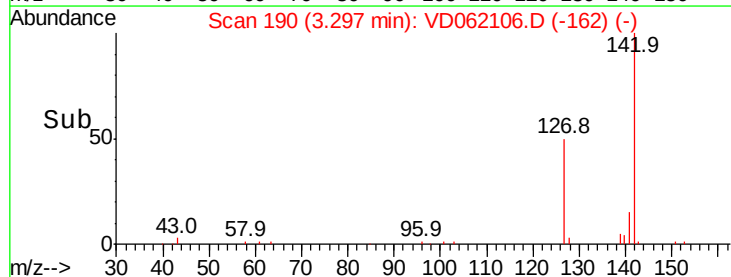
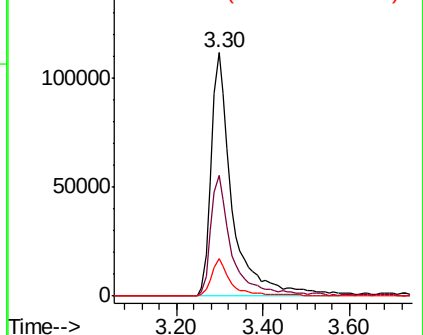
141 15.2 11.4 17.0

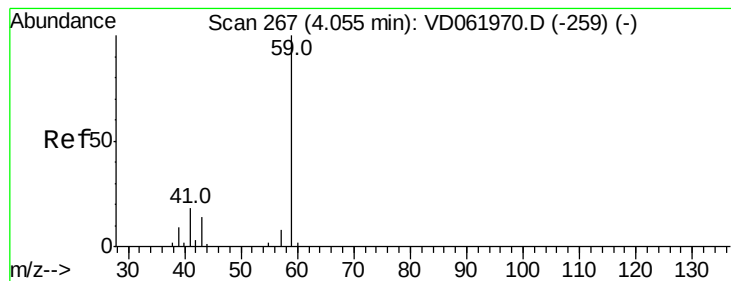


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



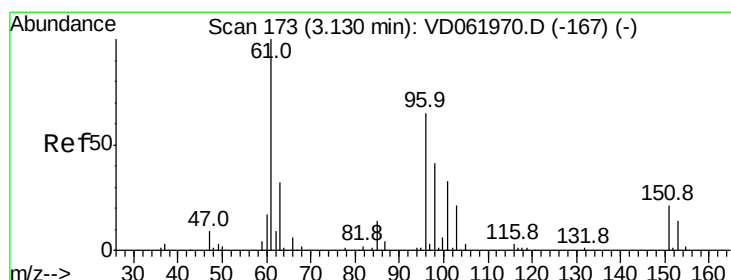
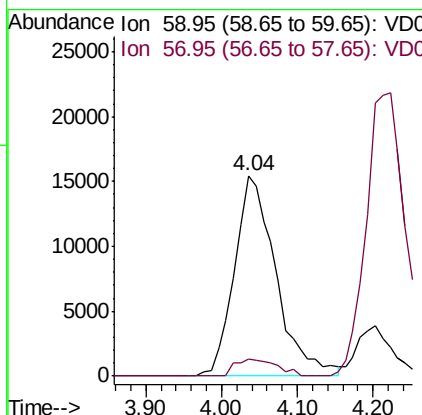
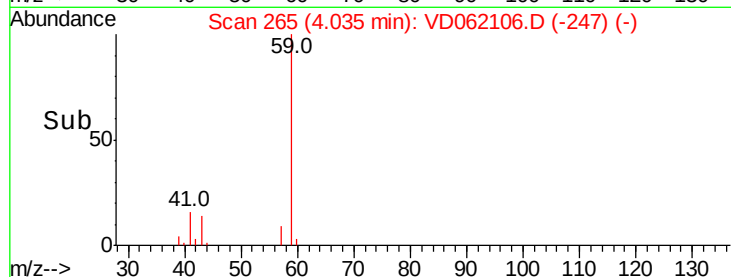
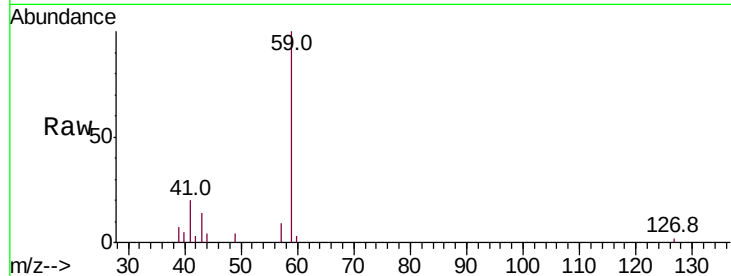


#11

Tert butyl alcohol
Concen: 239.999 ug/l
RT: 4.04 min Scan# 265
Delta R.T. -0.02 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

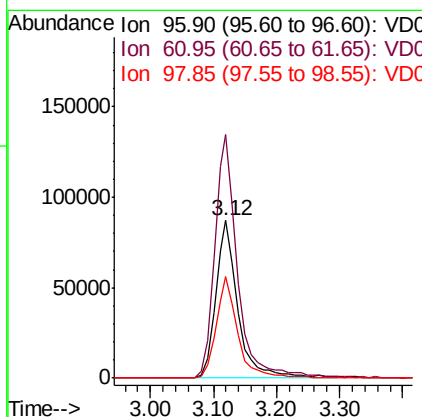
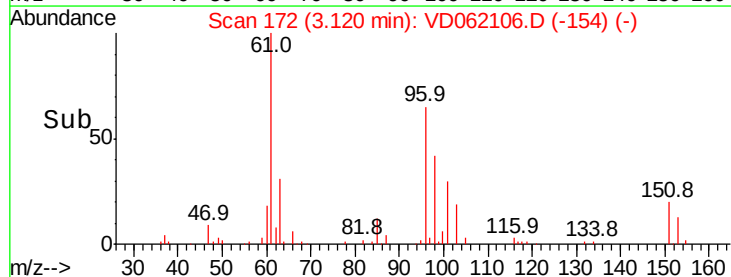
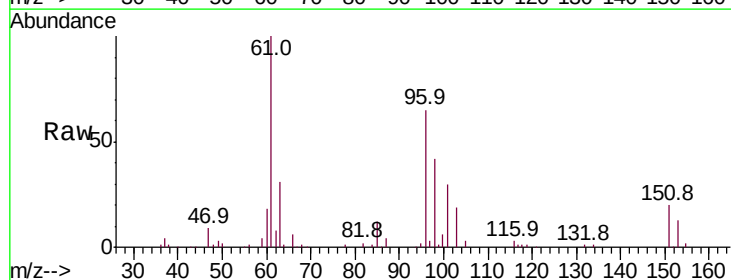
Tot Ion: 59 Resp: 58802
Ion Ratio Lower Upper
59 100
57 8.6 6.9 10.3

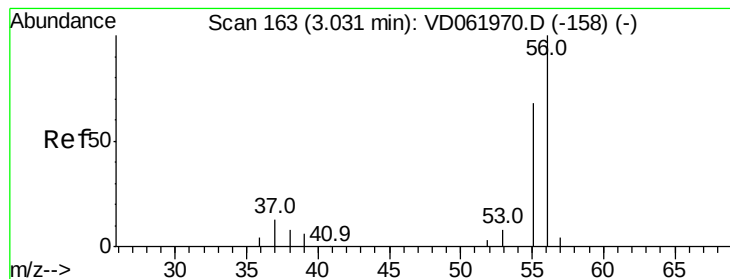


#12

1,1-Dichloroethene
Concen: 47.547 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.02 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

Tgt Ion: 96 Resp: 214730
Ion Ratio Lower Upper
96 100
61 154.5 129.8 194.8
98 64.4 51.2 76.8





#13

Acrolein

Concen: 265.463 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.02 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

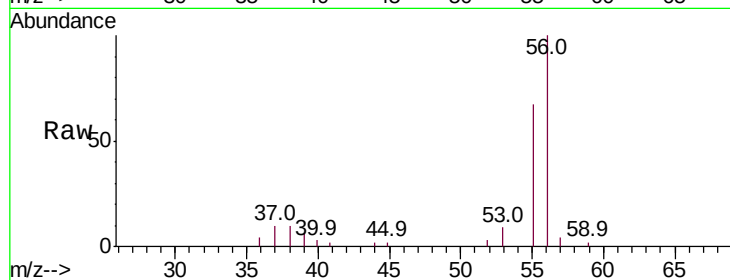
VSTDCCC050EC

Tot Ion: 56 Resp: 67484

Ion Ratio Lower Upper

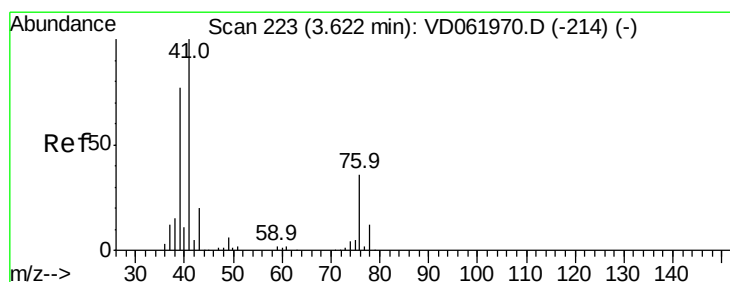
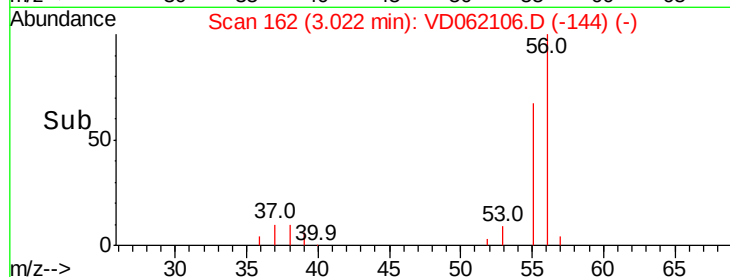
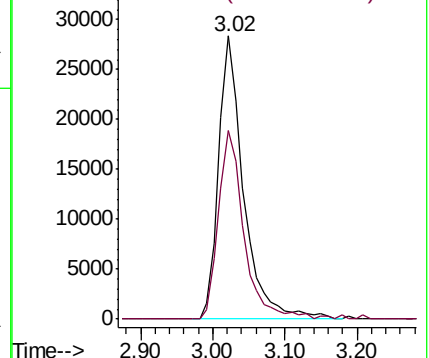
56 100

55 66.8 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 44.494 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.03 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

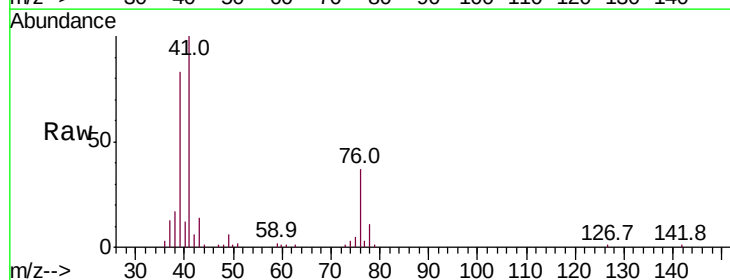
Tgt Ion: 41 Resp: 274389

Ion Ratio Lower Upper

41 100

39 82.9 60.5 90.7

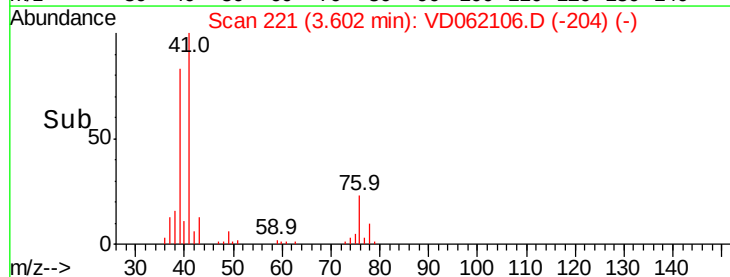
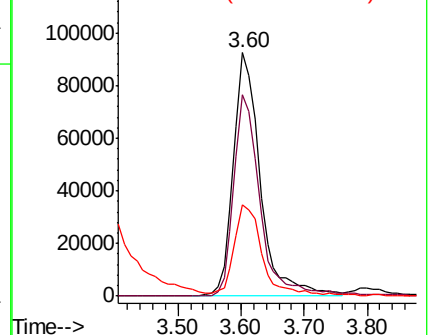
76 37.5 31.8 47.8

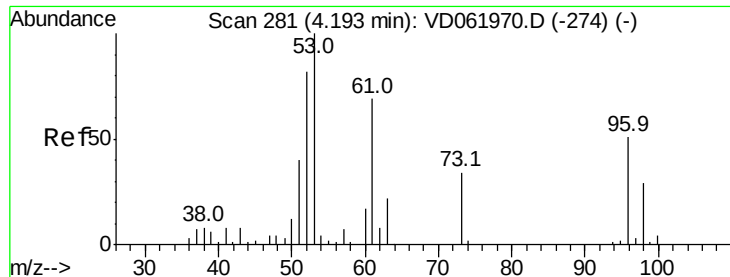


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 252.843 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.03 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

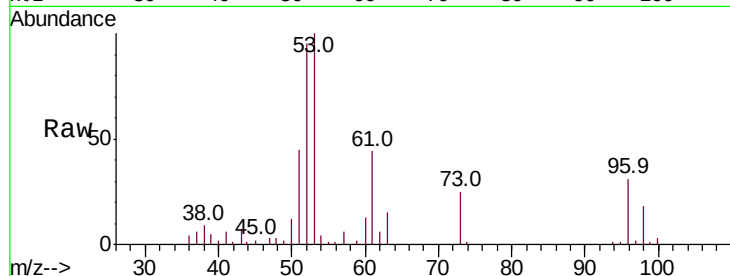
Tot Ion: 53 Resp: 191827

Ion Ratio Lower Upper

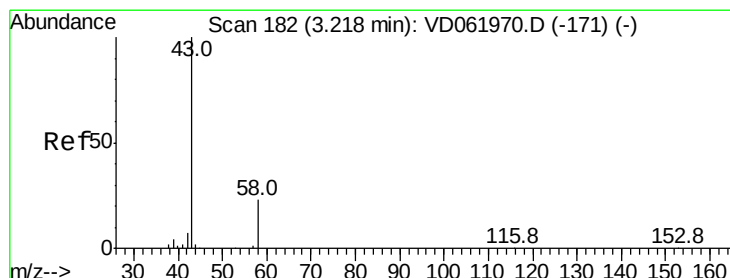
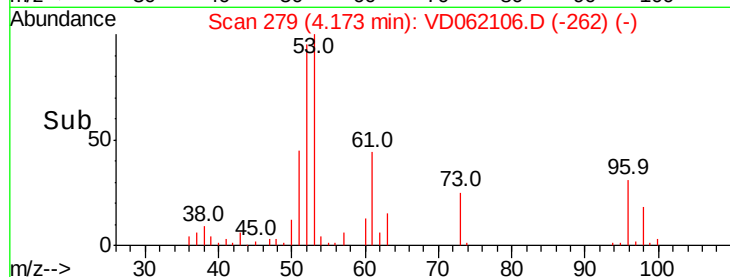
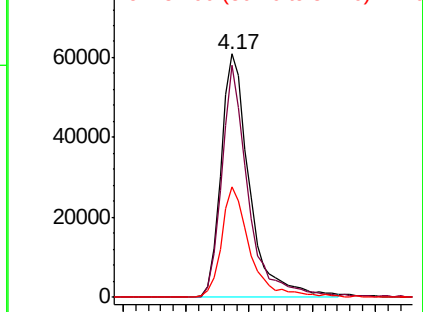
53 100

52 95.2 65.0 97.4

51 45.2 32.6 48.8



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: 248.316 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD062106.D

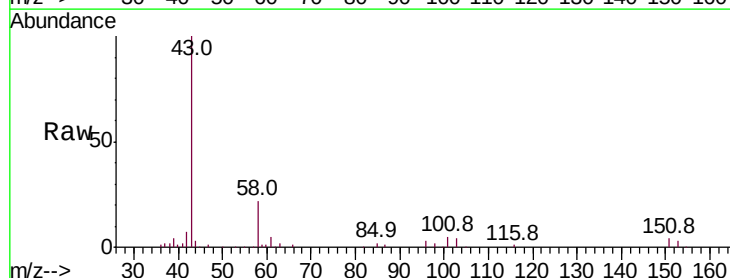
Acq: 1 May 2019 18:24

Tgt Ion: 43 Resp: 257107

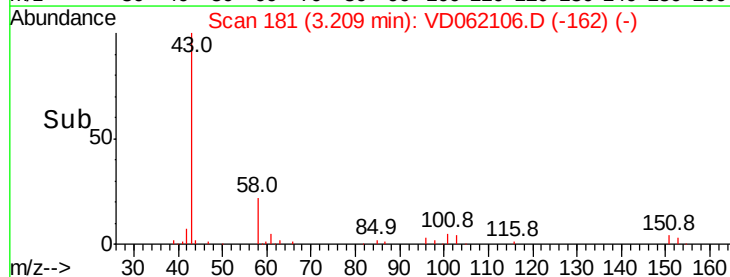
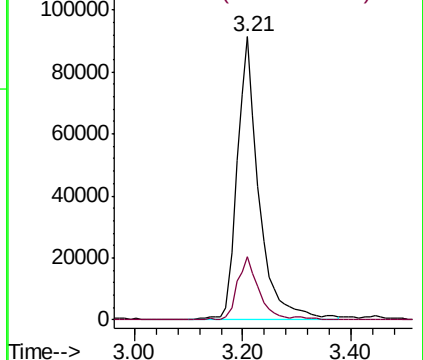
Ion Ratio Lower Upper

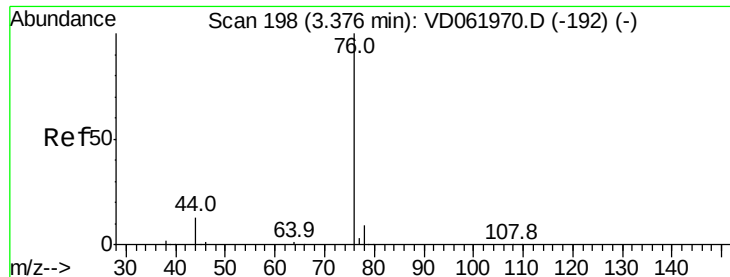
43 100

58 22.4 19.9 29.9



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





#17

Carbon Disulfide

Concen: 46.058 ug/l

RT: 3.37 min Scan# 197

Delta R.T. -0.02 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

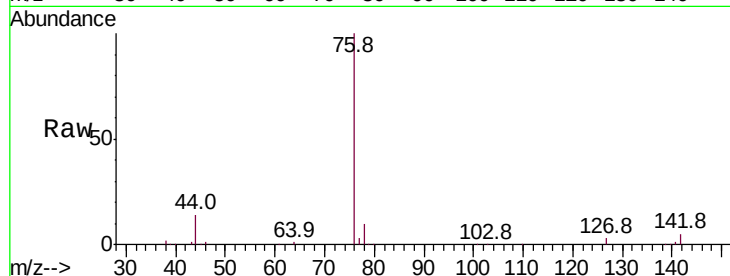
VSTDCCC050EC

Tot Ion: 76 Resp: 601081

Ion Ratio Lower Upper

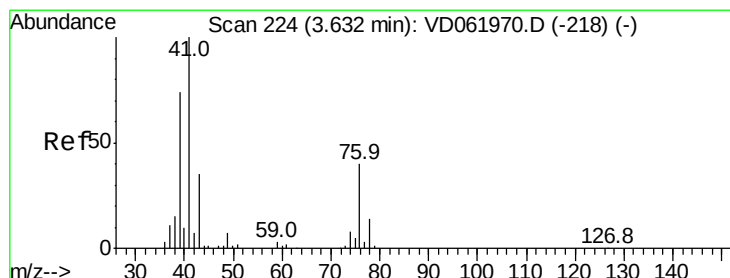
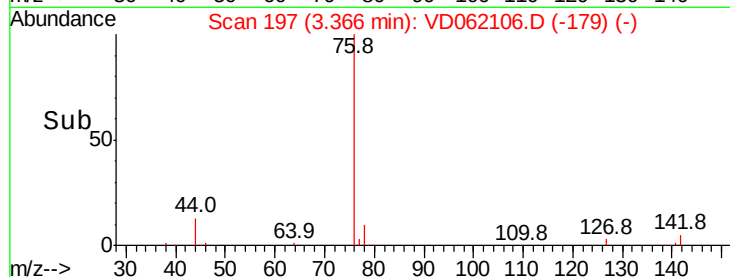
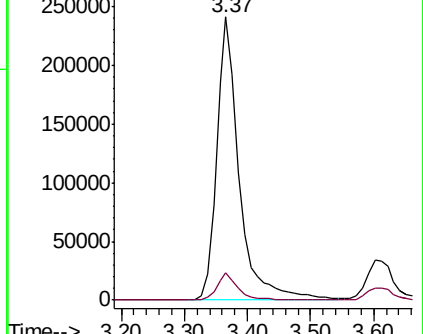
76 100

78 9.8 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 49.061 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD062106.D

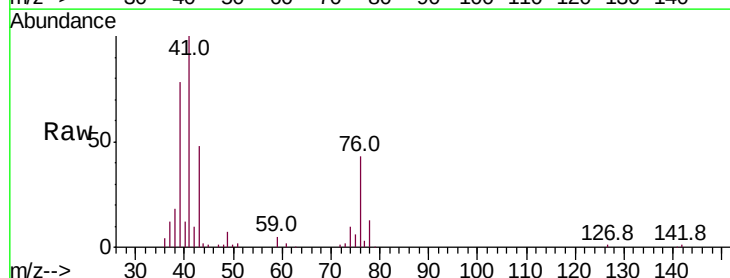
Acq: 1 May 2019 18:24

Tgt Ion: 43 Resp: 92202

Ion Ratio Lower Upper

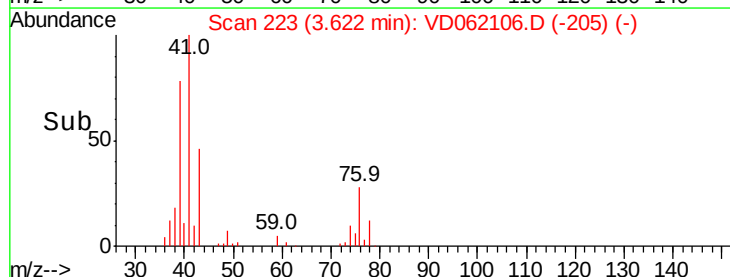
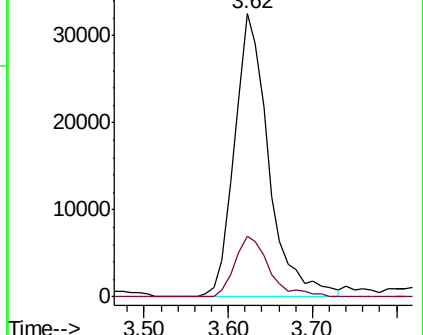
43 100

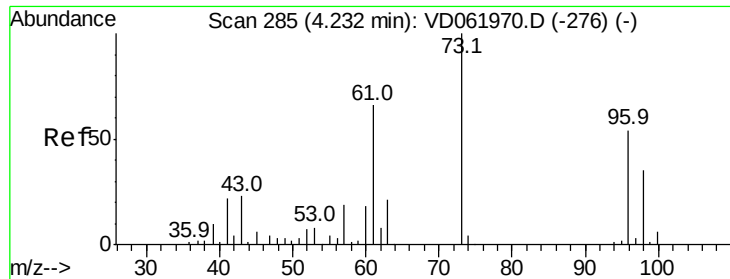
74 21.5 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

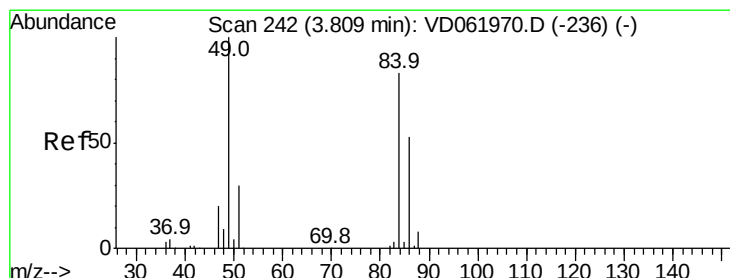
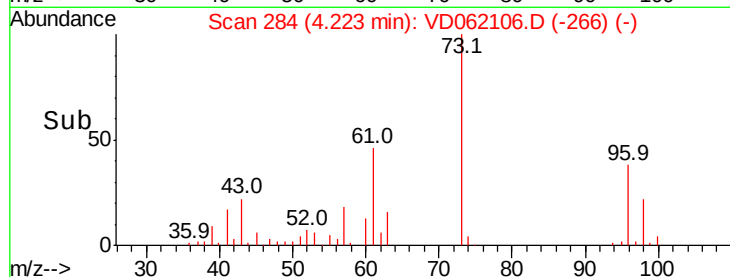
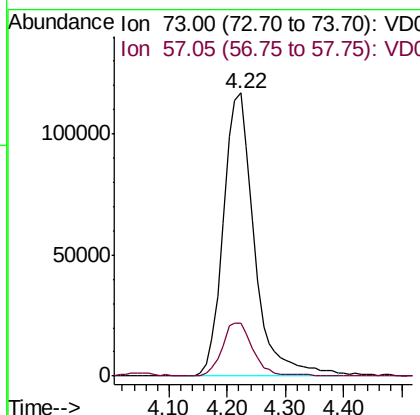
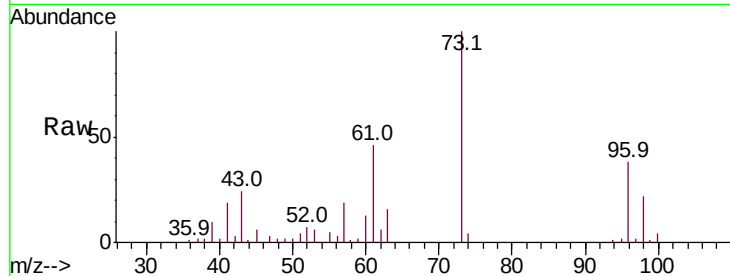




#19
Methyl tert-butyl Ether
Concen: 48.207 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

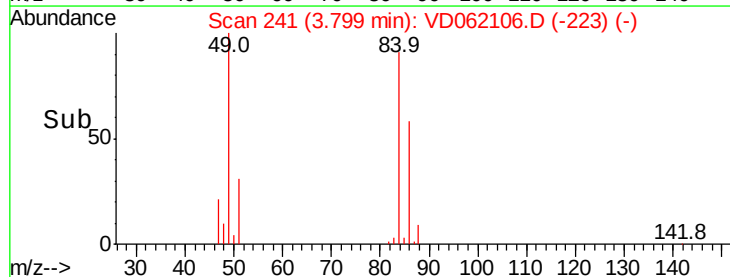
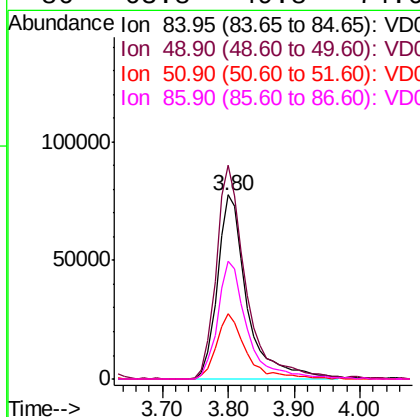
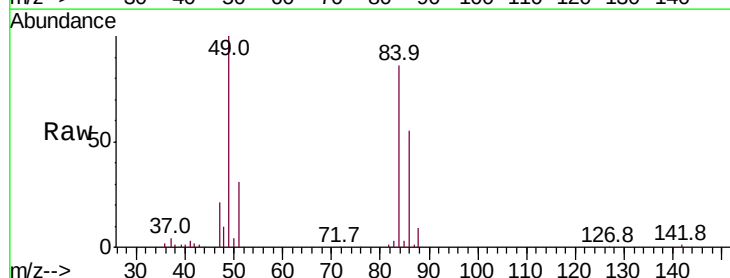
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

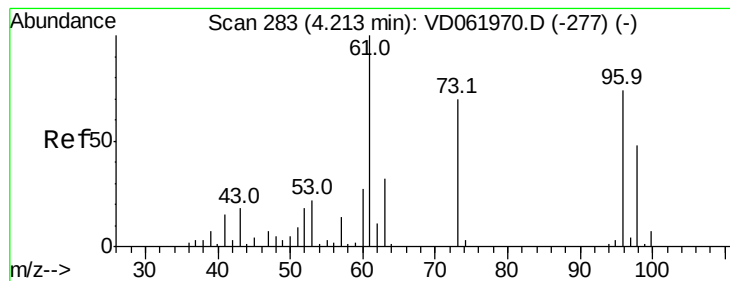
Tot Ion: 73 Resp: 431970
Ion Ratio Lower Upper
73 100
57 18.7 16.3 24.5



#20
Methylene Chloride
Concen: 48.043 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

Tgt Ion: 84 Resp: 242794
Ion Ratio Lower Upper
84 100
49 115.9 94.0 141.0
51 35.6 29.0 43.4
86 63.8 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 45.569 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.02 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

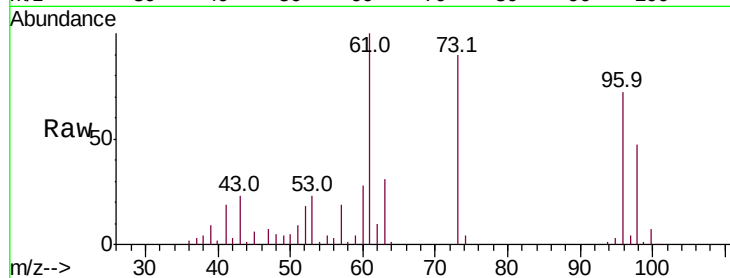
Tot Ion: 96 Resp: 236088

Ion Ratio Lower Upper

96 100

61 138.6 104.4 156.6

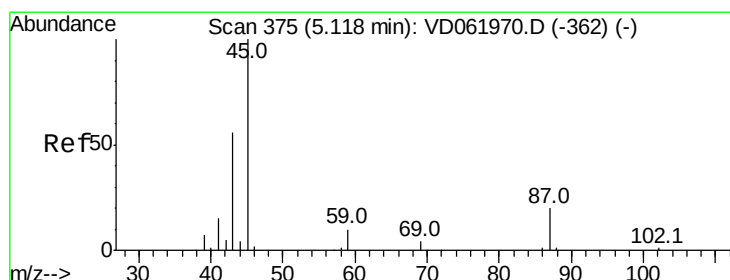
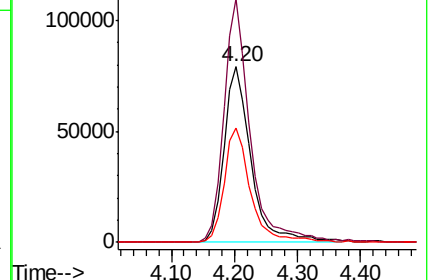
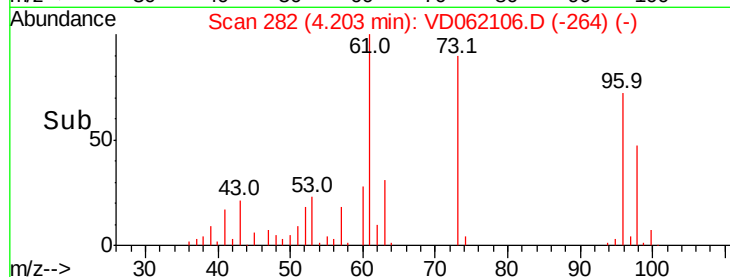
98 64.9 51.8 77.8



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



#22

Diisopropyl ether

Concen: 46.582 ug/l

RT: 5.10 min Scan# 373

Delta R.T. -0.02 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Tgt Ion: 45 Resp: 670681

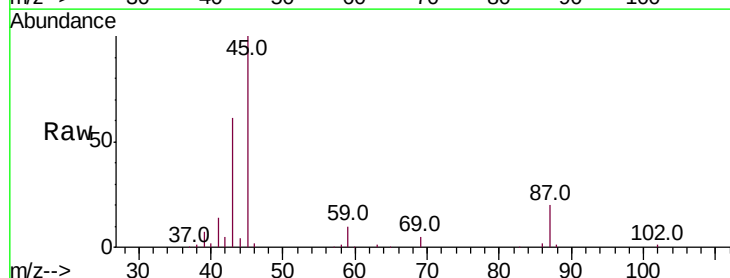
Ion Ratio Lower Upper

45 100

43 60.9 46.2 69.2

87 20.4 15.9 23.9

59 9.9 7.9 11.9

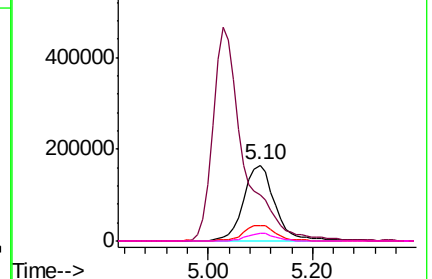
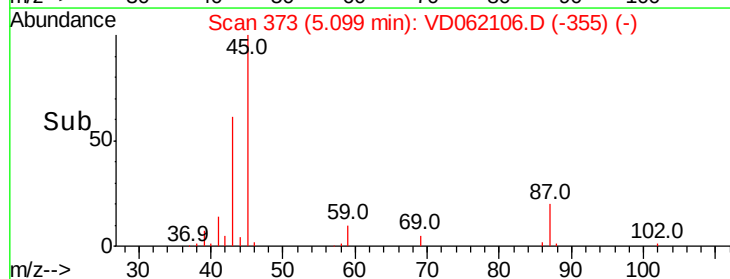


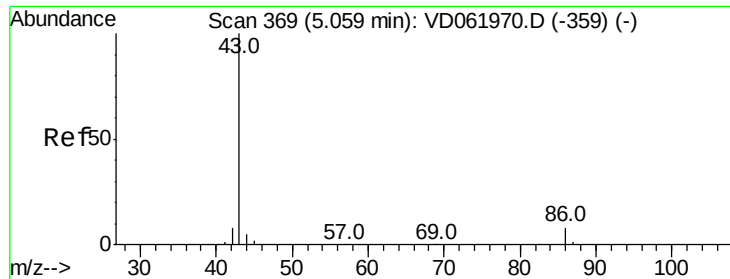
Abundance Ion 45.05 (44.75 to 45.75): VDC

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





#23

Vinyl Acetate

Concen: 249.456 ug/l

RT: 5.03 min Scan# 366

Delta R.T. -0.03 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

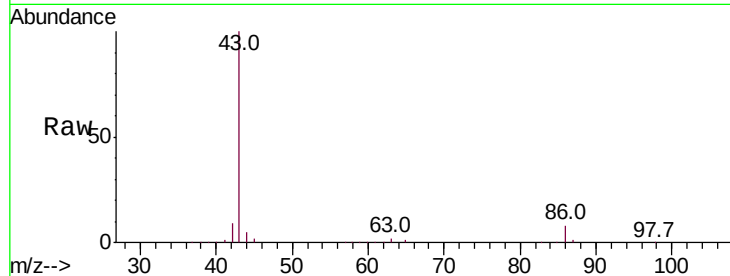
VSTDCCC050EC

Tot Ion: 43 Resp: 1870413

Ion Ratio Lower Upper

43 100

86 7.9 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.03

400000

300000

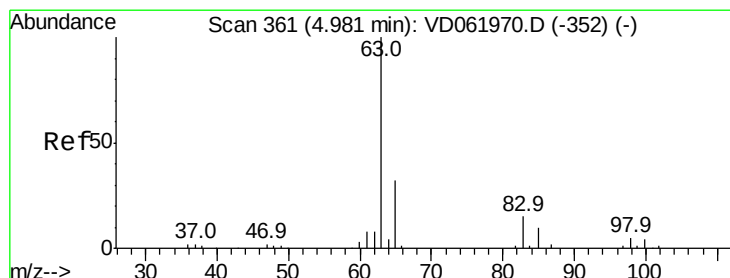
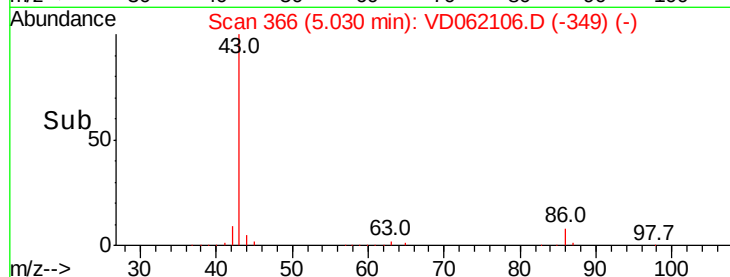
200000

100000

0

4.90 5.00 5.10 5.20

Time-->



#24

1,1-Dichloroethane

Concen: 46.354 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.03 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

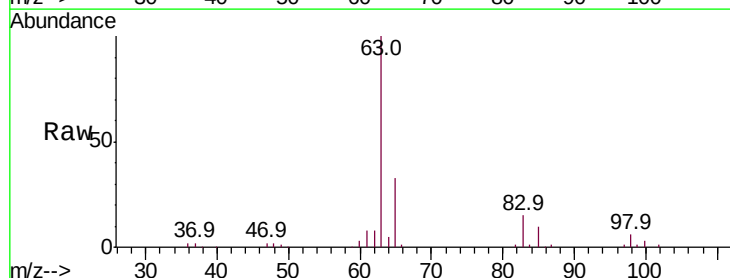
Tgt Ion: 63 Resp: 403388

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

100 3.0 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

150000

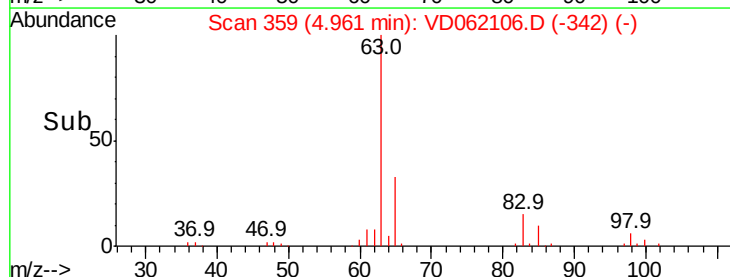
100000

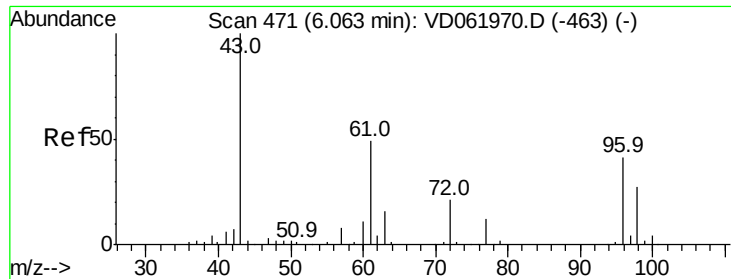
50000

0

4.80 4.90 5.00 5.10 5.20

Time-->

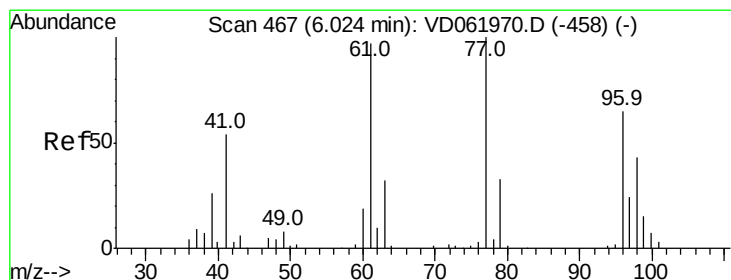
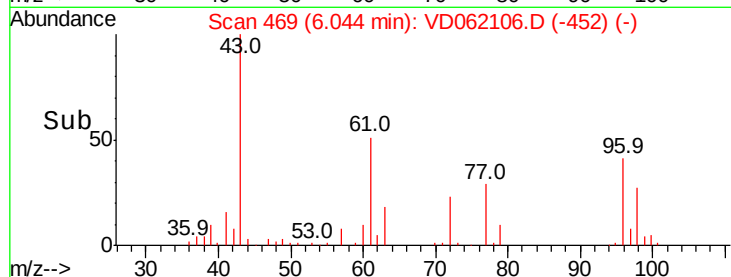
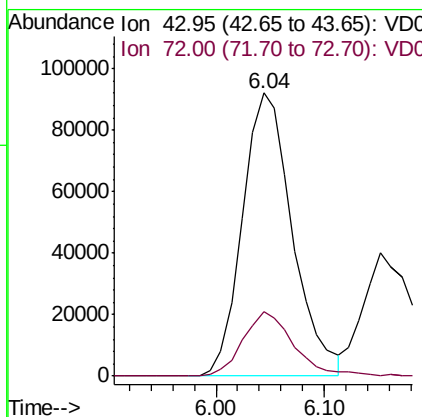
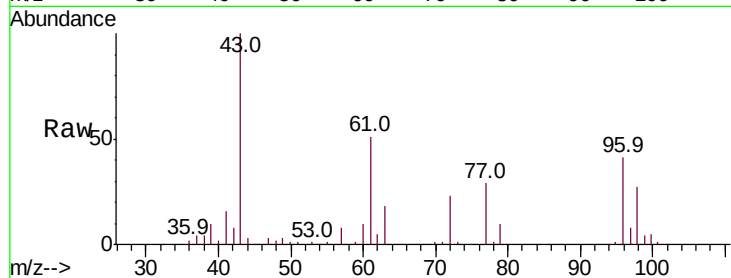




#25
2-Butanone
Concen: 236.715 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.03 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

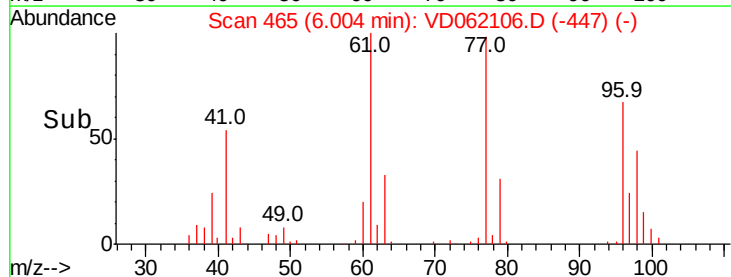
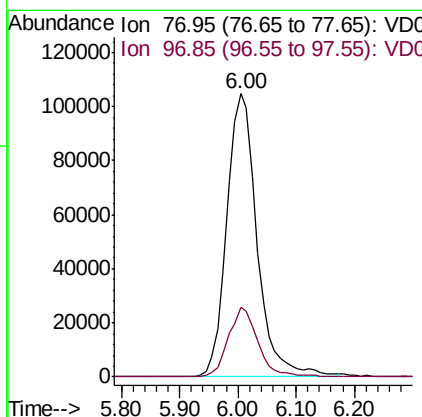
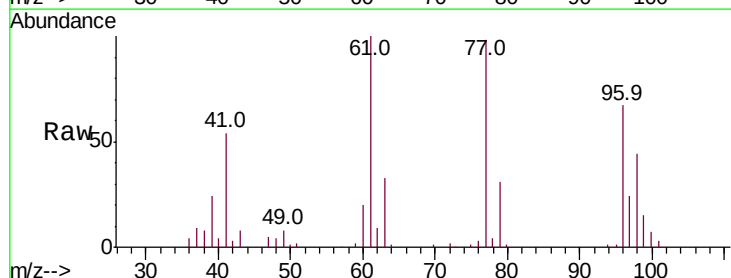
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

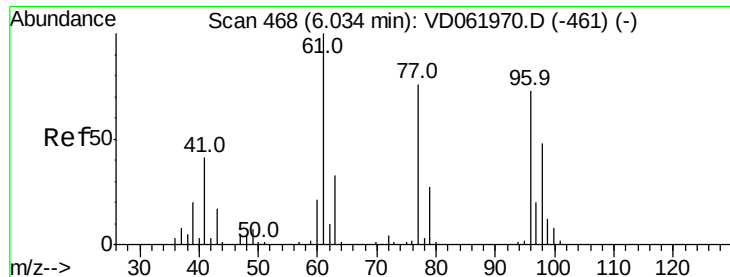
Tot Ion: 43 Resp: 297160
Ion Ratio Lower Upper
43 100
72 22.7 16.2 24.4



#26
2,2-Dichloropropane
Concen: 50.002 ug/l
RT: 6.00 min Scan# 465
Delta R.T. -0.02 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

Tgt Ion: 77 Resp: 379603
Ion Ratio Lower Upper
77 100
97 24.5 11.9 35.9



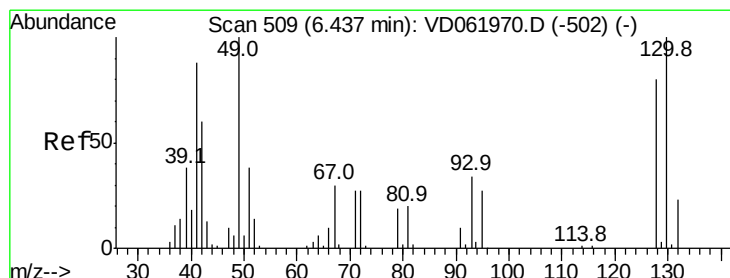
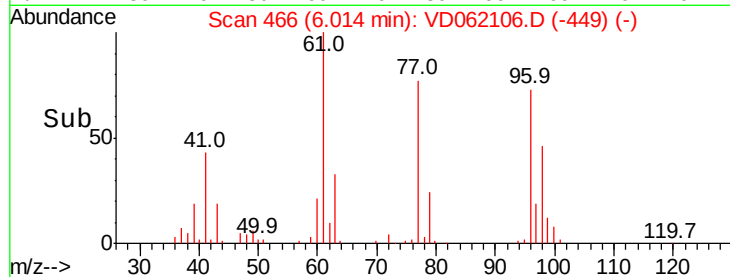
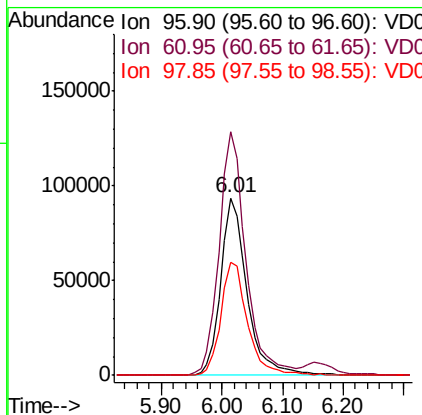
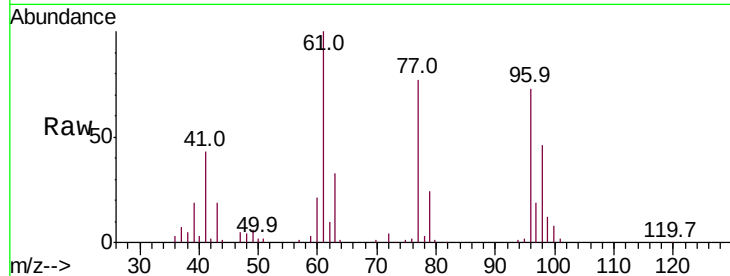


#27

cis-1,2-Dichloroethene
Concen: 48.069 ug/l
RT: 6.01 min Scan# 466
Delta R.T. -0.03 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

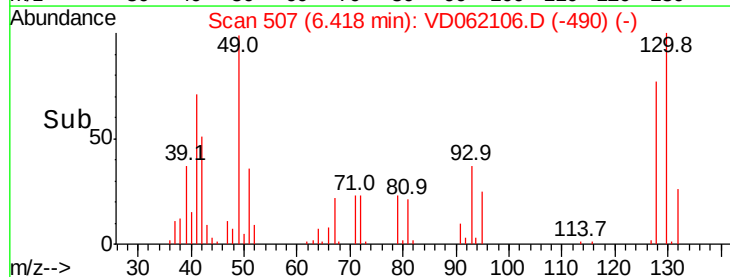
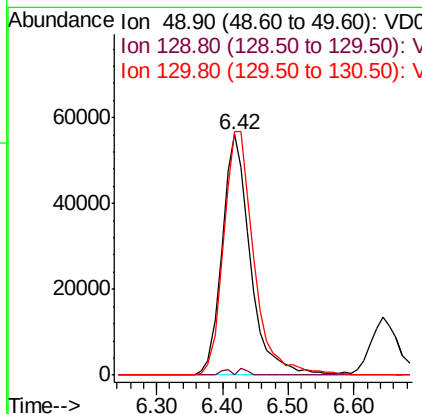
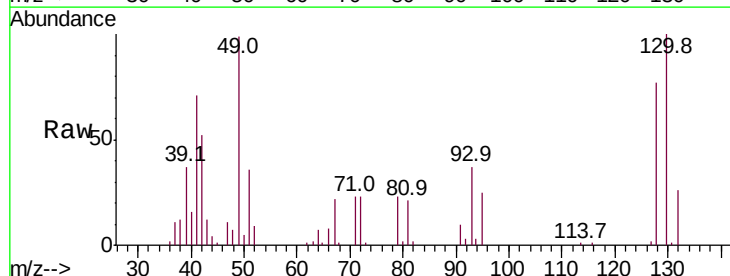
Tot Ion: 96 Resp: 283311
Ion Ratio Lower Upper
96 100
61 137.2 0.0 279.8
98 63.7 0.0 136.0

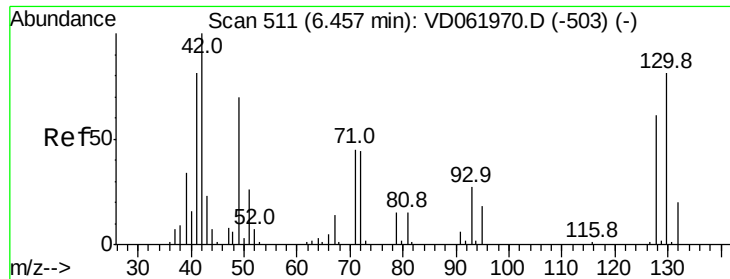


#28

Bromochloromethane
Concen: 50.354 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.03 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

Tgt Ion: 49 Resp: 167663
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.6
130 101.0 86.7 130.1





#29

Tetrahydrofuran

Concen: 219.805 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.02 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

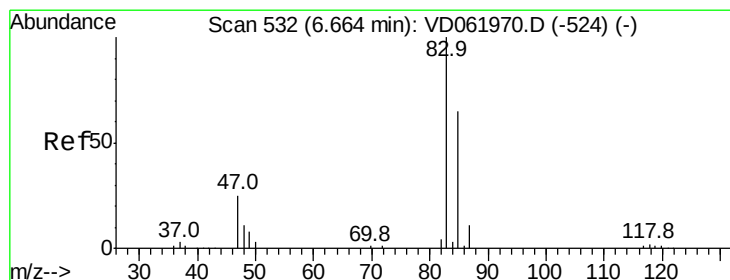
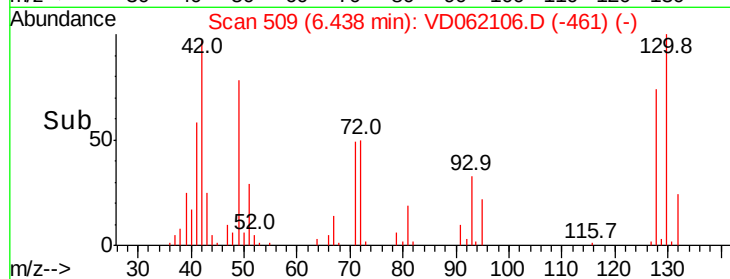
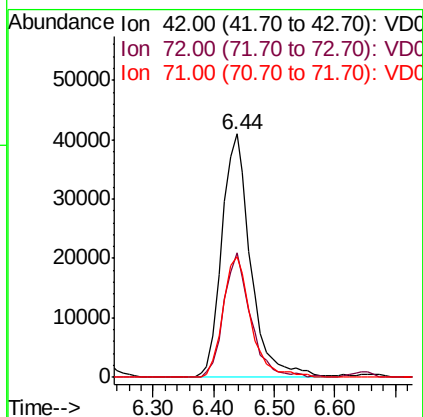
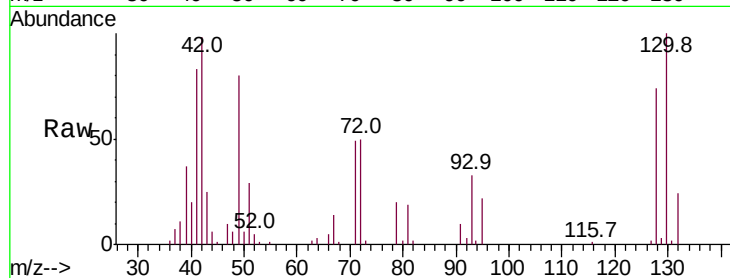
Tot Ion: 42 Resp: 135959

Ion Ratio Lower Upper

42 100

72 47.2 37.8 56.6

71 47.8 36.7 55.1



#30

Chloroform

Concen: 47.059 ug/l

RT: 6.64 min Scan# 530

Delta R.T. -0.03 min

Lab File: VD062106.D

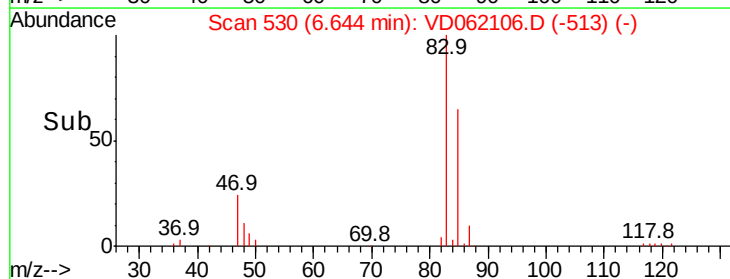
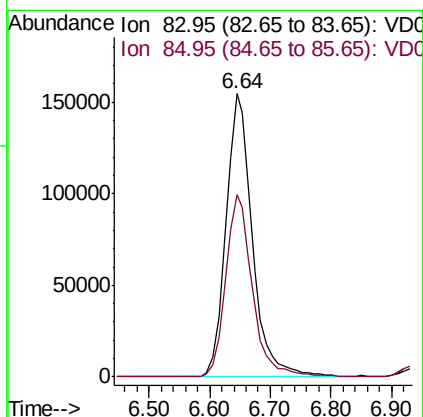
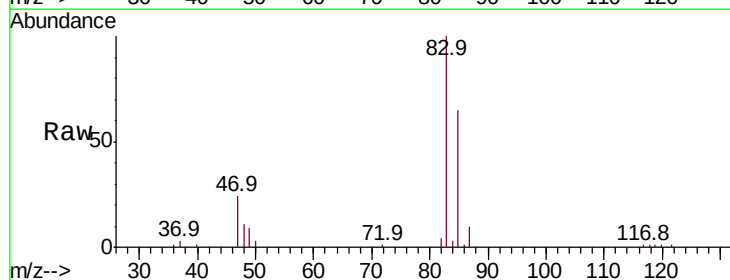
Acq: 1 May 2019 18:24

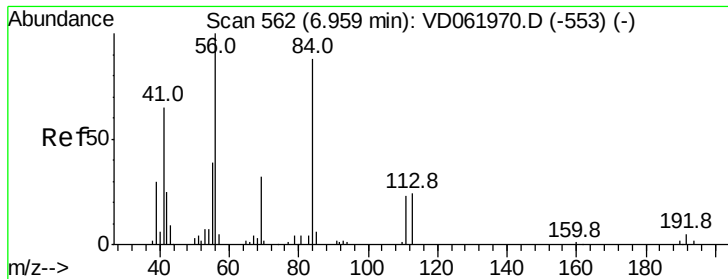
Tgt Ion: 83 Resp: 465141

Ion Ratio Lower Upper

83 100

85 64.5 51.7 77.5





#31

Cyclohexane

Concen: 43.571 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

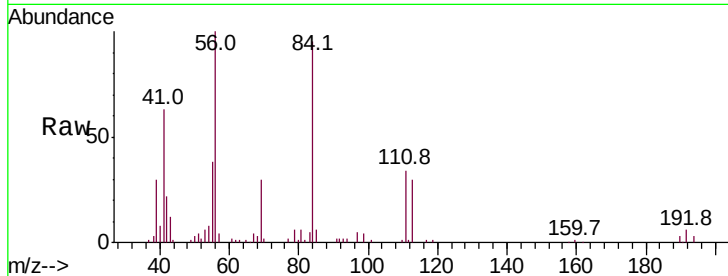
Tot Ion: 56 Resp: 281437

Ion Ratio Lower Upper

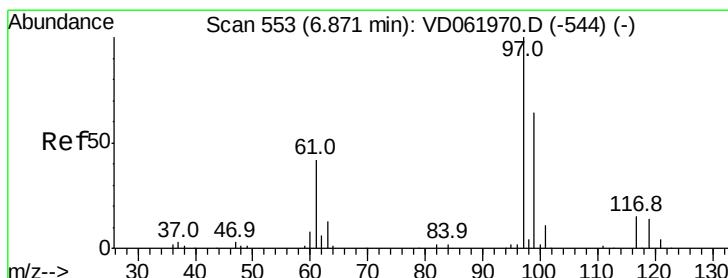
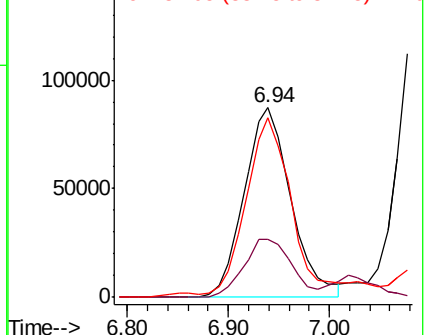
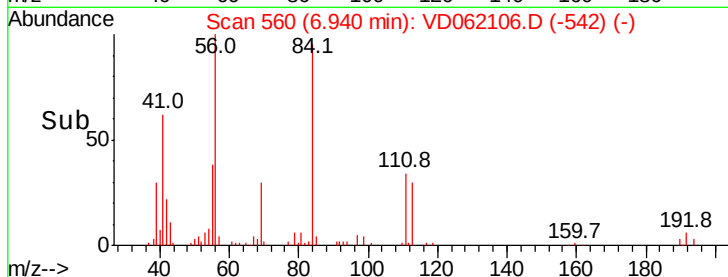
56 100

69 30.4 25.8 38.6

84 94.8 72.2 108.4



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: 48.303 ug/l

RT: 6.85 min Scan# 551

Delta R.T. -0.02 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

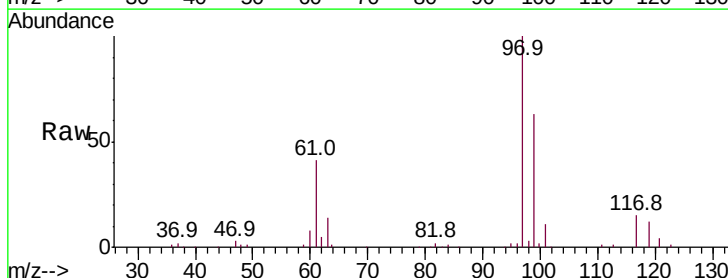
Tgt Ion: 97 Resp: 415415

Ion Ratio Lower Upper

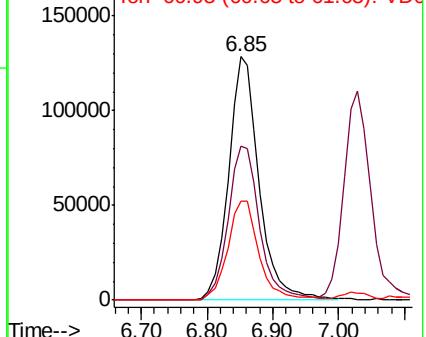
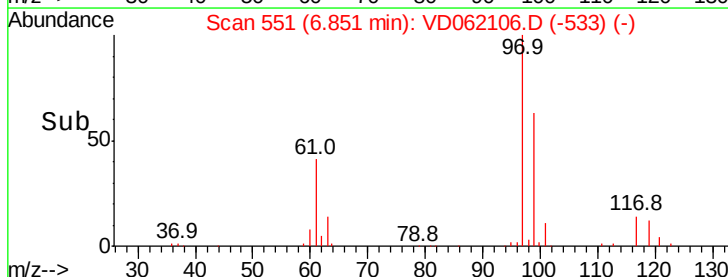
97 100

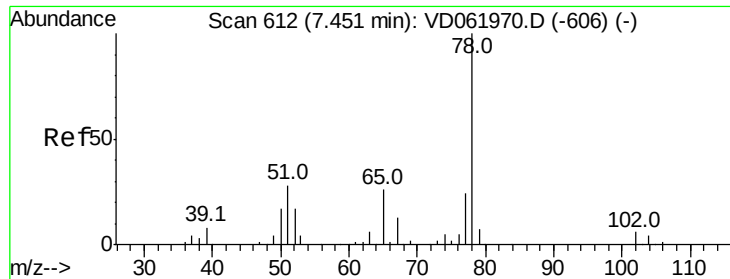
99 63.4 52.2 78.2

61 40.8 32.4 48.6



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: 51.992 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.02 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

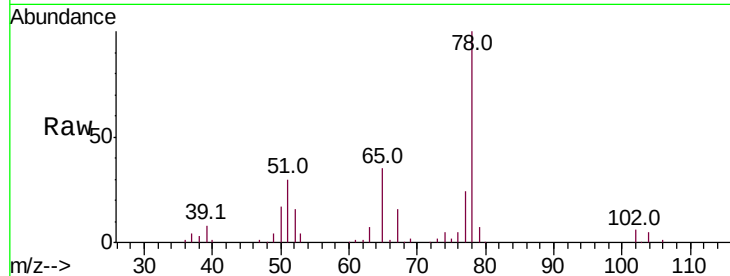
VSTDCCC050EC

Tot Ion: 65 Resp: 225460

Ion Ratio Lower Upper

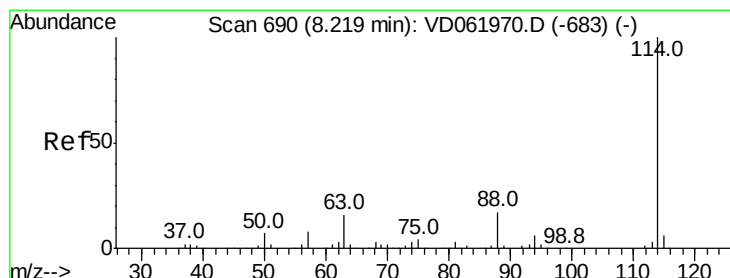
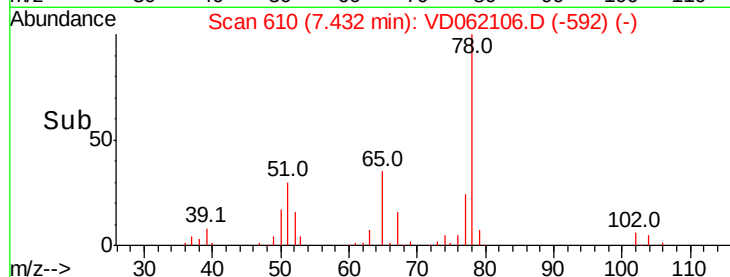
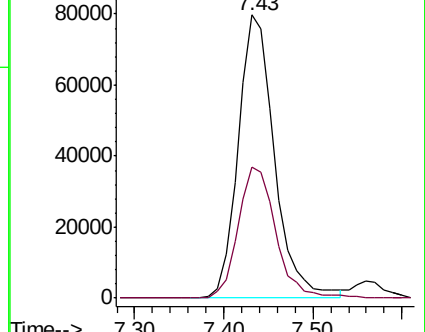
65 100

67 46.1 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

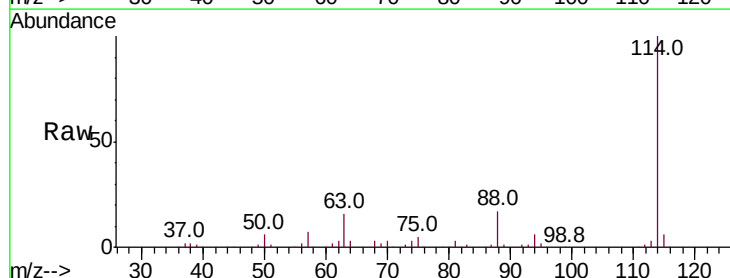
Tgt Ion:114 Resp: 895092

Ion Ratio Lower Upper

114 100

63 15.8 0.0 32.4

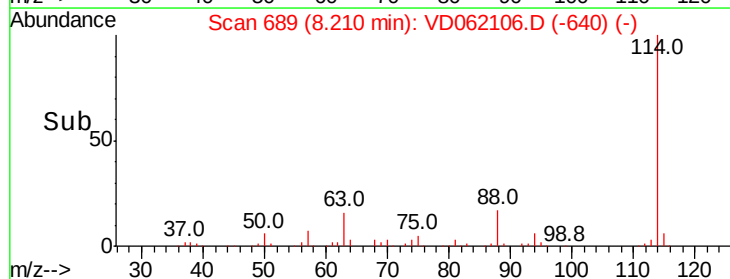
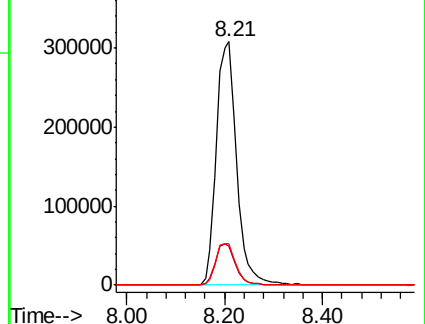
88 16.9 0.0 33.6

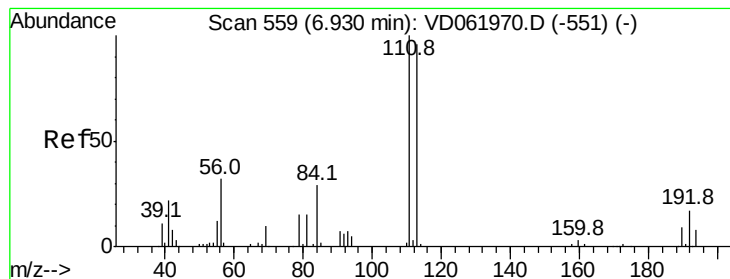


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 54.825 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

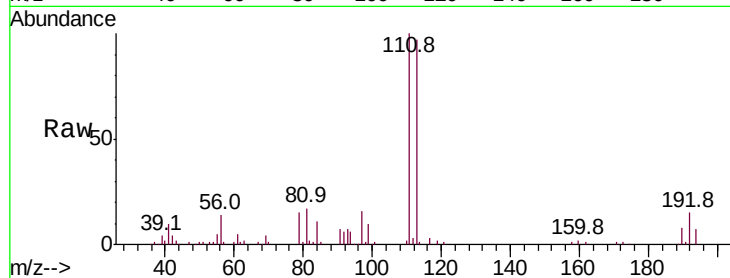
Tot Ion:113 Resp: 339388

Ion Ratio Lower Upper

113 100

111 102.7 78.5 117.7

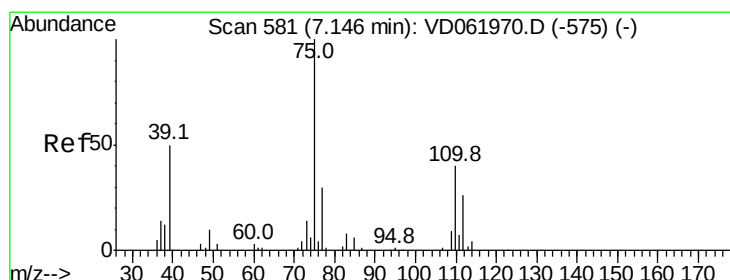
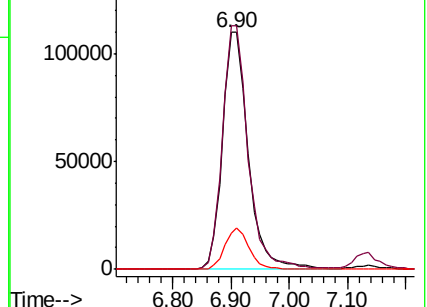
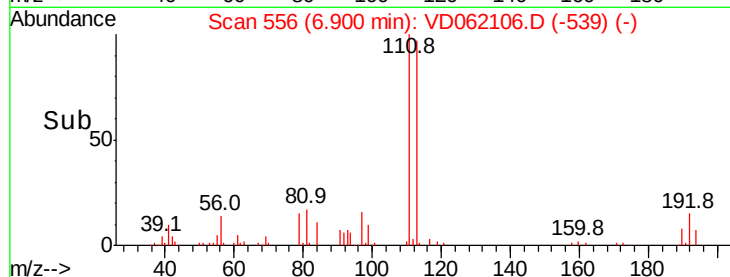
192 15.2 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 45.114 ug/l

RT: 7.13 min Scan# 579

Delta R.T. -0.02 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

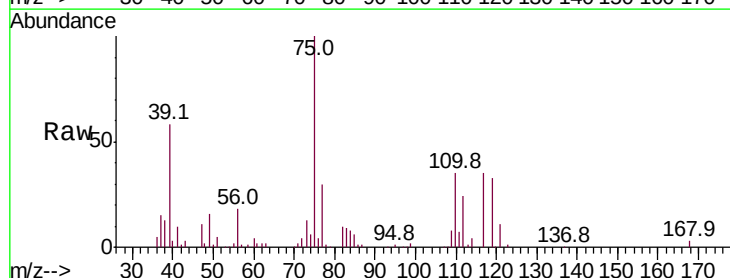
Tgt Ion: 75 Resp: 314613

Ion Ratio Lower Upper

75 100

110 34.9 19.1 57.1

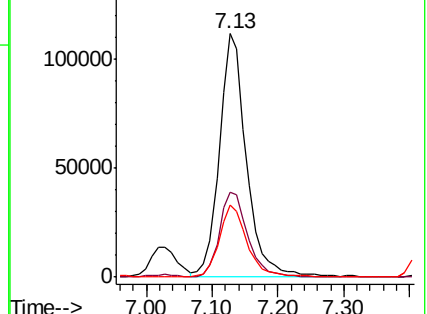
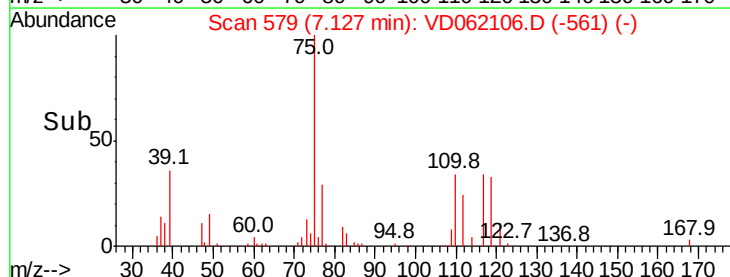
77 29.8 25.6 38.4

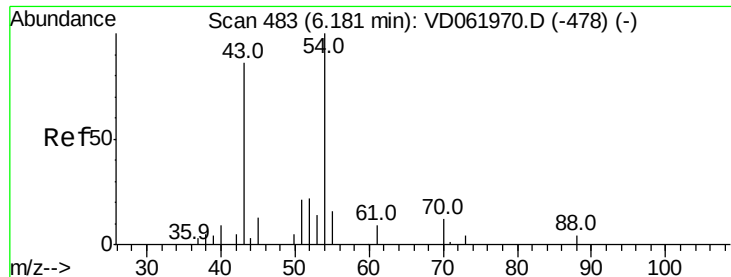


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

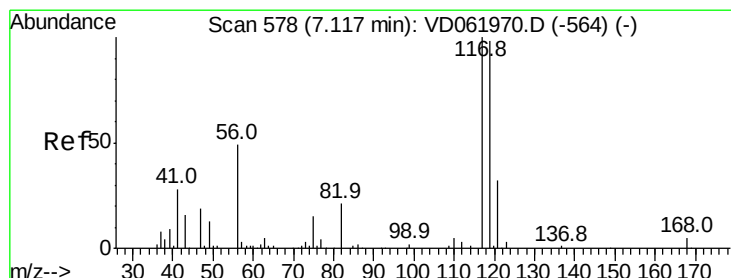
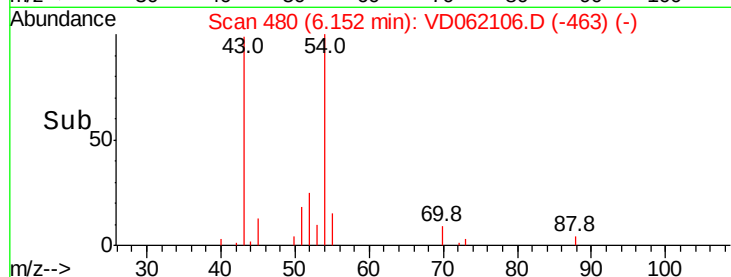
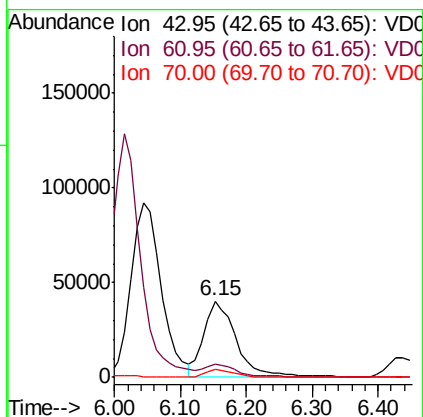
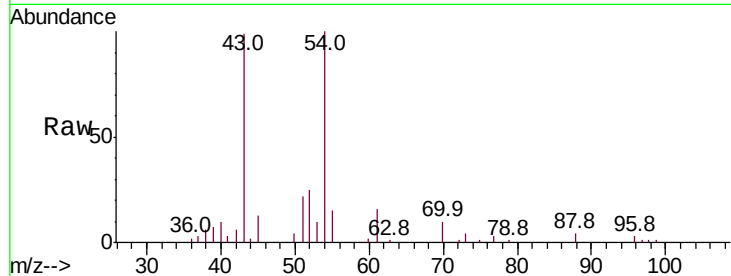




#37
Ethyl Acetate
Concen: 44.700 ug/l
RT: 6.15 min Scan# 480
Delta R.T. -0.03 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

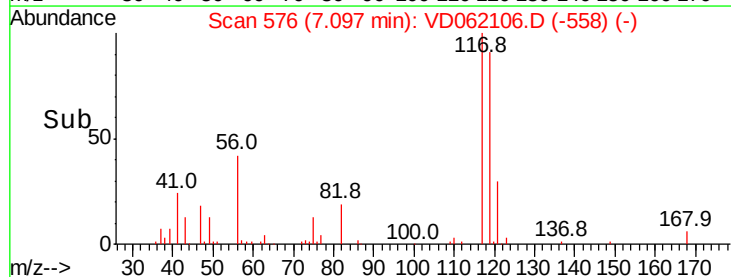
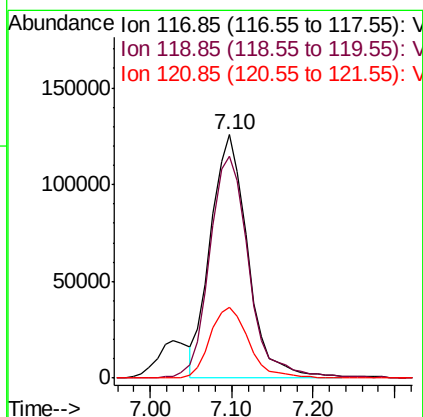
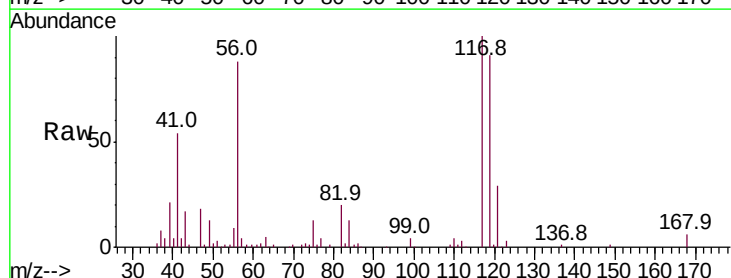
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

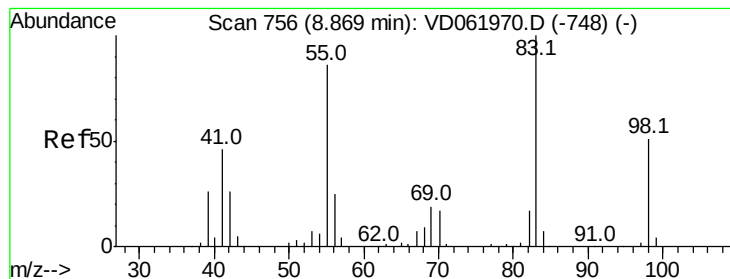
Tot Ion: 43 Resp: 132836
Ion Ratio Lower Upper
43 100
61 16.6 14.7 22.1
70 9.9 7.8 11.6



#38
Carbon Tetrachloride
Concen: 45.317 ug/l m
RT: 7.10 min Scan# 576
Delta R.T. -0.02 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

Tgt Ion: 117 Resp: 400459
Ion Ratio Lower Upper
117 100
119 91.1 75.8 113.8
121 29.3 25.9 38.9





#39

Methylvlcyclohexane

Concen: 44.841 ug/l

RT: 8.85 min Scan# 754

Delta R.T. -0.02 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

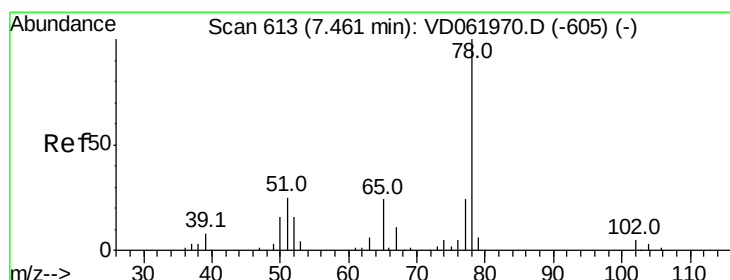
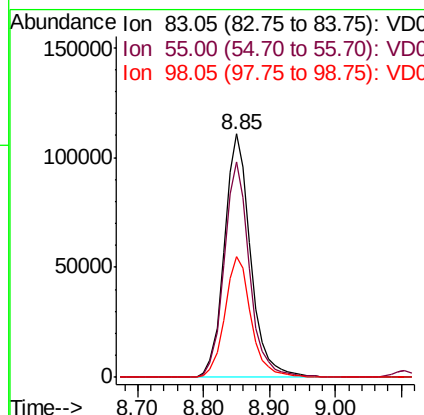
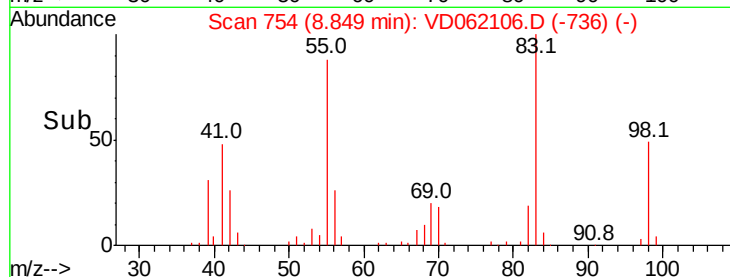
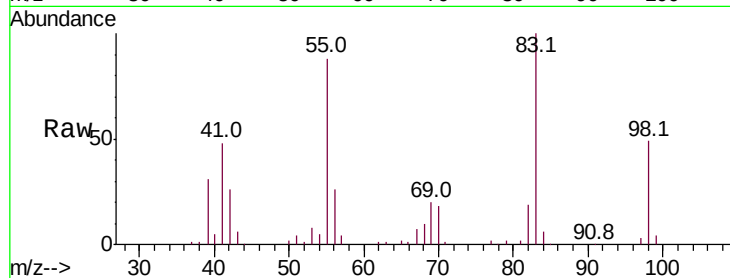
Tot Ion: 83 Resp: 308527

Ion Ratio Lower Upper

83 100

55 88.5 68.2 102.4

98 49.5 38.2 57.4



#40

Benzene

Concen: 42.277 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD062106.D

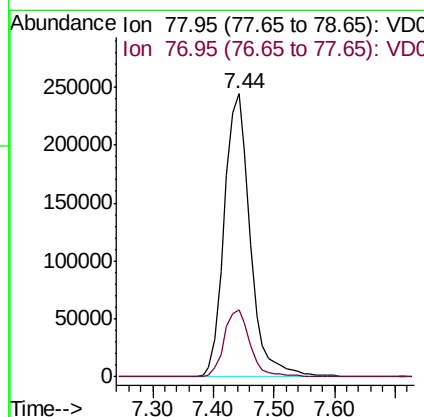
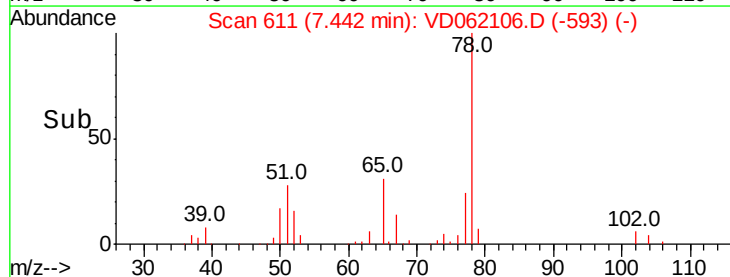
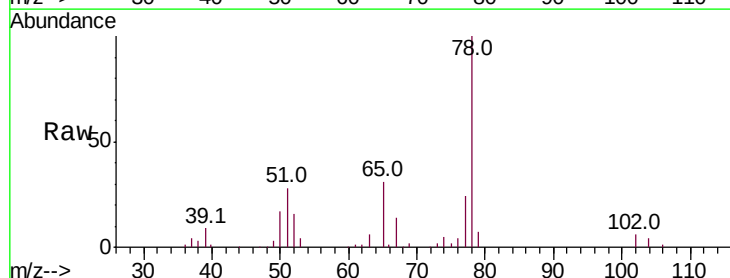
Acq: 1 May 2019 18:24

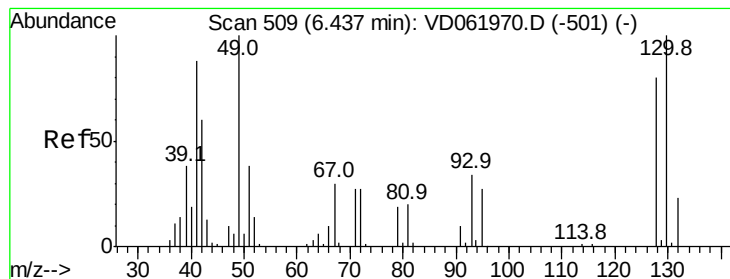
Tgt Ion: 78 Resp: 729895

Ion Ratio Lower Upper

78 100

77 23.9 19.7 29.5





#41

Methacrylonitrile

Concen: 47.671 ug/l

RT: 6.42 min Scan# 507

Delta R.T. -0.02 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 165294

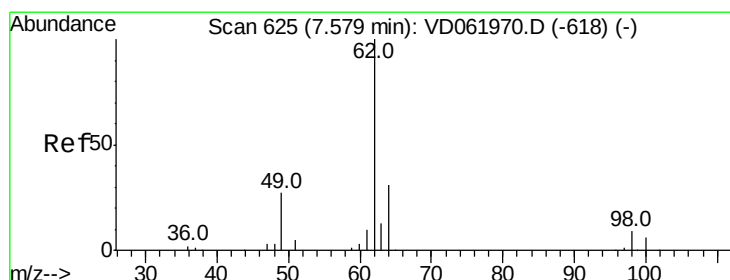
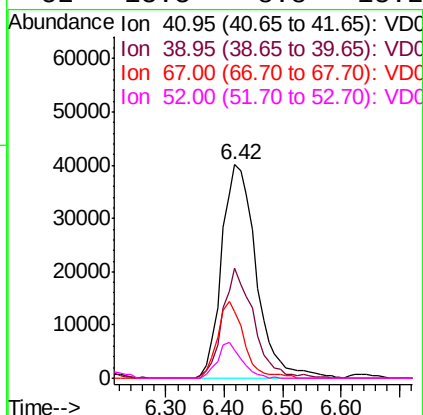
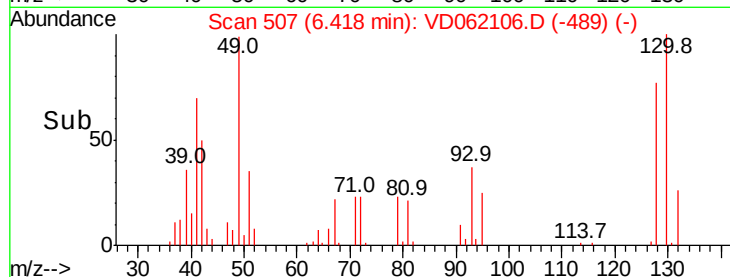
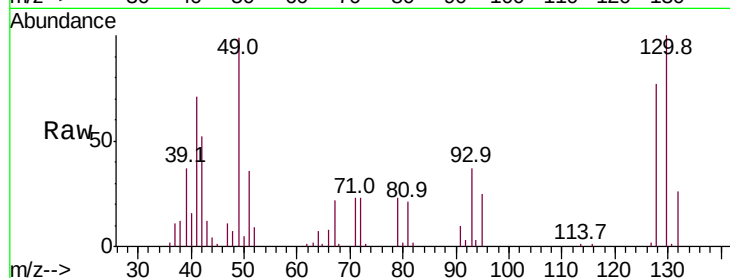
Ion Ratio Lower Upper

41 100

39 51.7 34.1 51.1#

67 31.4 23.8 35.6

52 13.3 8.8 13.2#



#42

1,2-Dichloroethane

Concen: 47.856 ug/l

RT: 7.56 min Scan# 623

Delta R.T. -0.02 min

Lab File: VD062106.D

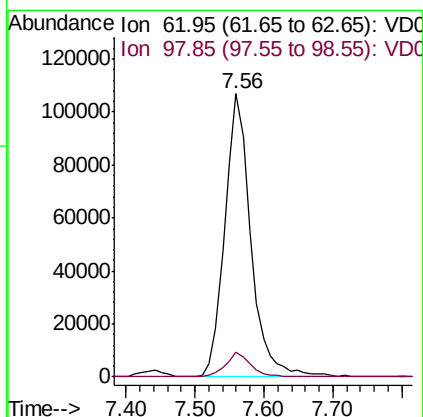
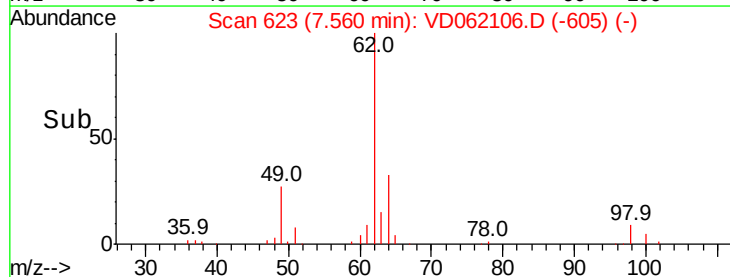
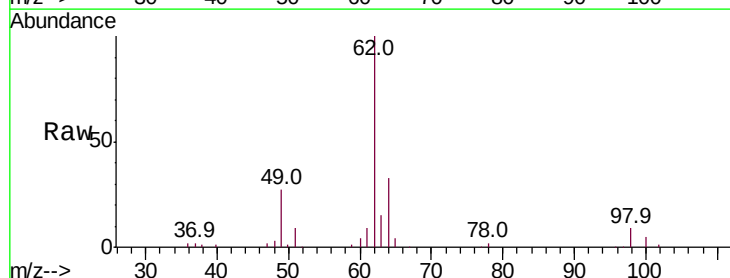
Acq: 1 May 2019 18:24

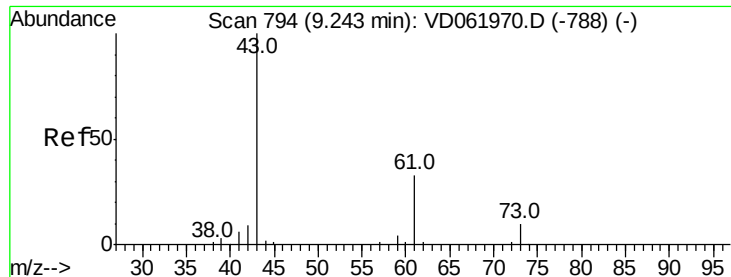
Tgt Ion: 62 Resp: 280529

Ion Ratio Lower Upper

62 100

98 8.9 0.0 17.8





#43

Isopropyl Acetate

Concen: 46.905 ug/l

RT: 9.22 min Scan# 792

Delta R.T. -0.02 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

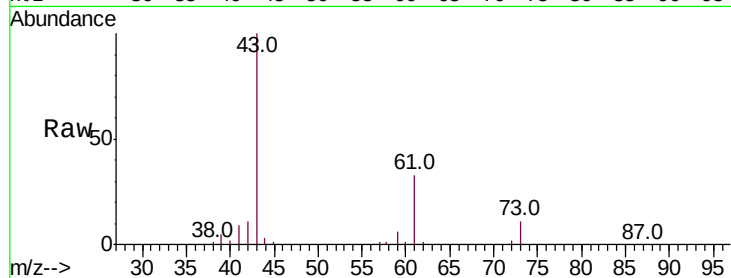
Tot Ion: 43 Resp: 203666

Ion Ratio Lower Upper

43 100

61 32.8 25.1 37.7

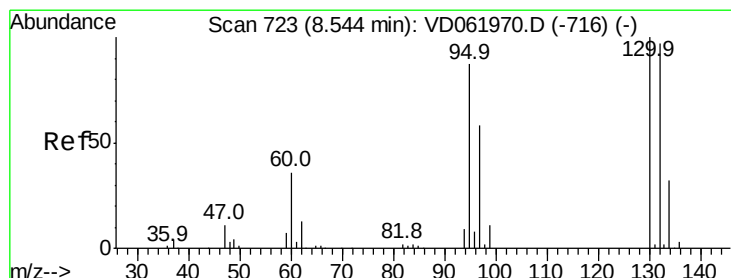
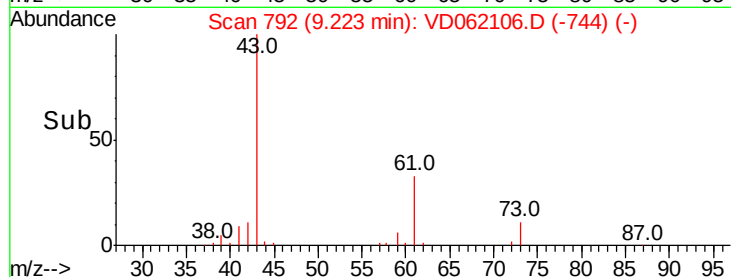
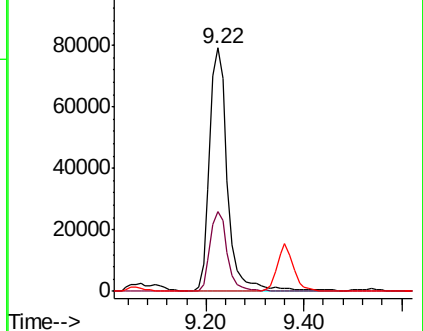
87 0.4 0.0 0.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 43.882 ug/l

RT: 8.52 min Scan# 721

Delta R.T. -0.02 min

Lab File: VD062106.D

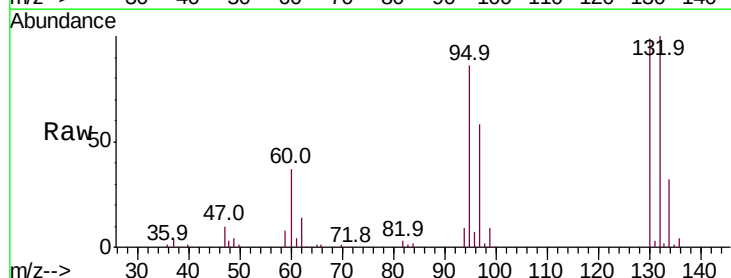
Acq: 1 May 2019 18:24

Tgt Ion:130 Resp: 293711

Ion Ratio Lower Upper

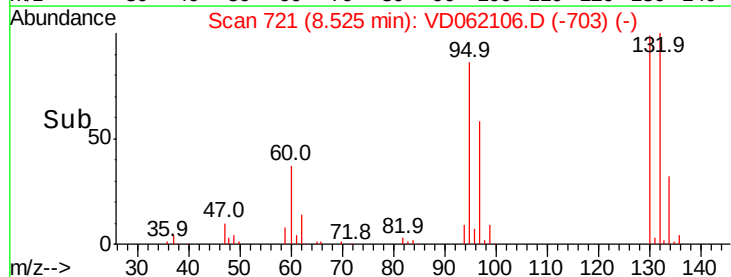
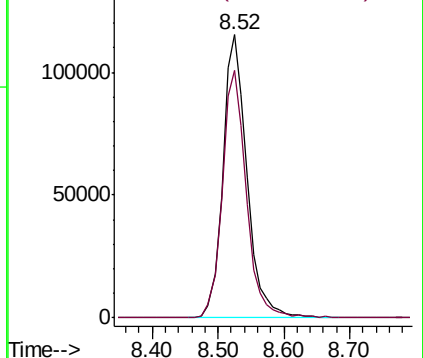
130 100

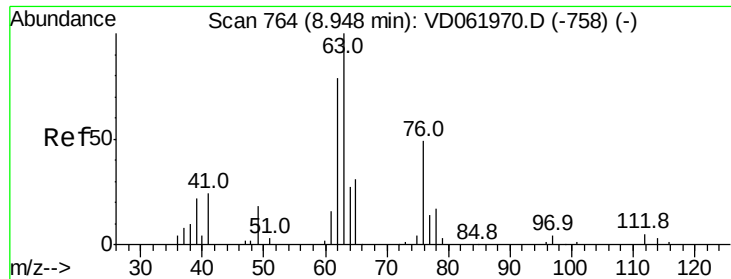
95 87.5 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 45.742 ug/l

RT: 8.92 min Scan# 761

Delta R.T. -0.02 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

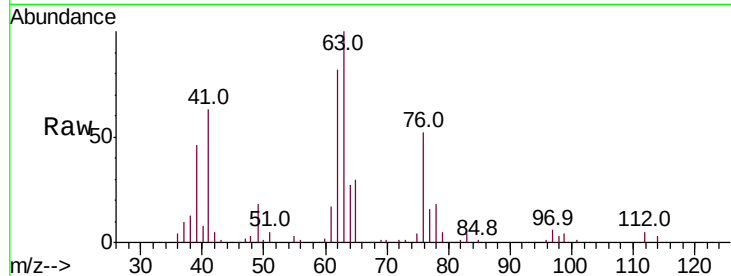
VSTDCCC050EC

Tot Ion: 63 Resp: 200343

Ion Ratio Lower Upper

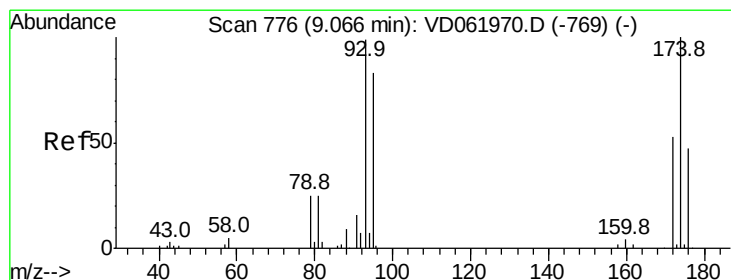
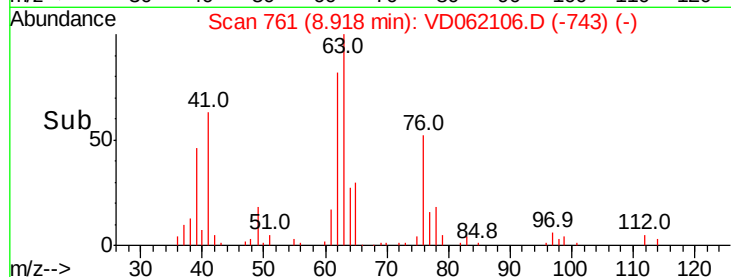
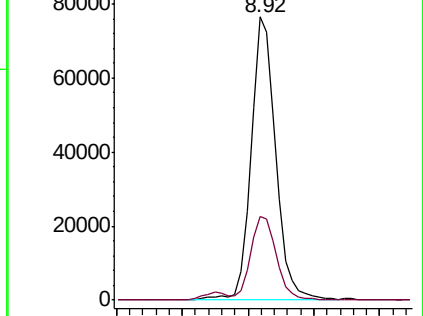
63 100

65 29.5 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 45.891 ug/l

RT: 9.05 min Scan# 774

Delta R.T. -0.02 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

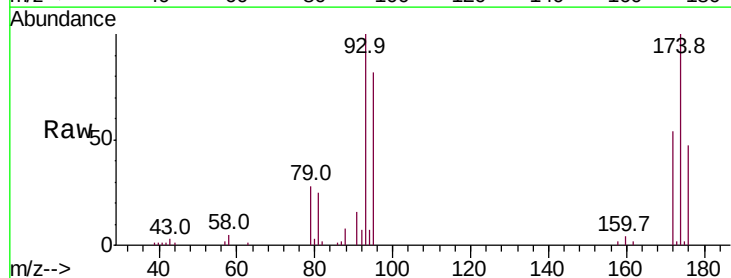
Tgt Ion: 93 Resp: 144628

Ion Ratio Lower Upper

93 100

95 82.3 64.8 97.2

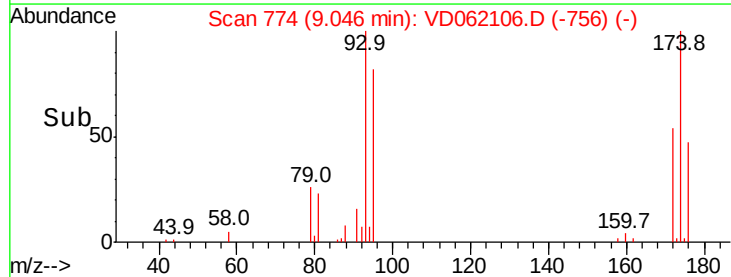
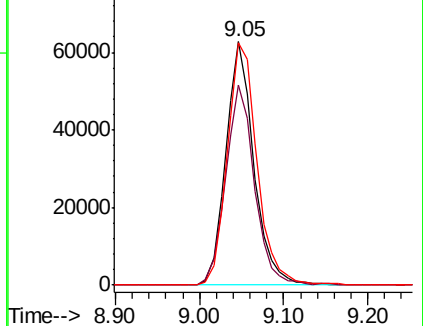
174 99.5 79.3 118.9

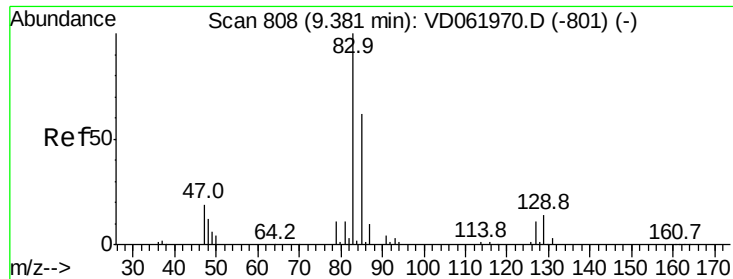


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 46.350 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.02 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

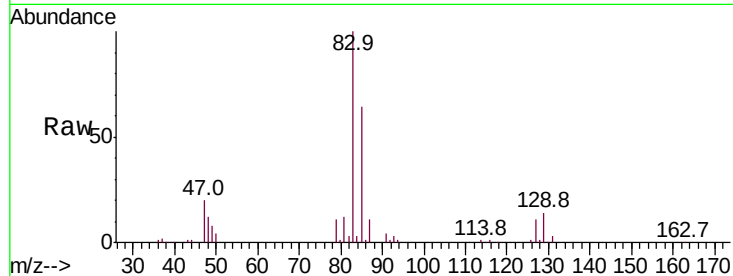
Tot Ion: 83 Resp: 345149

Ion Ratio Lower Upper

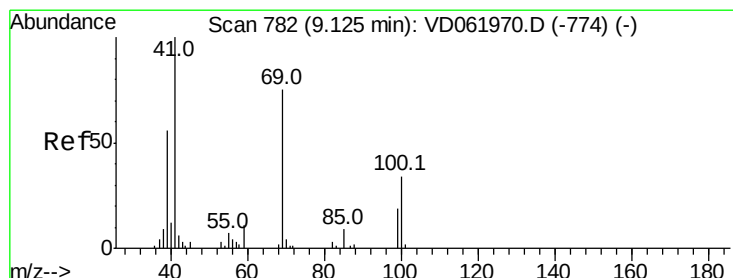
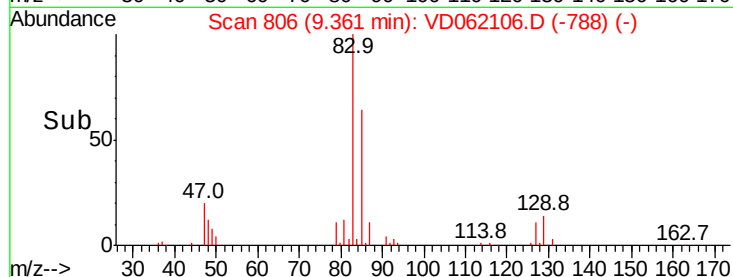
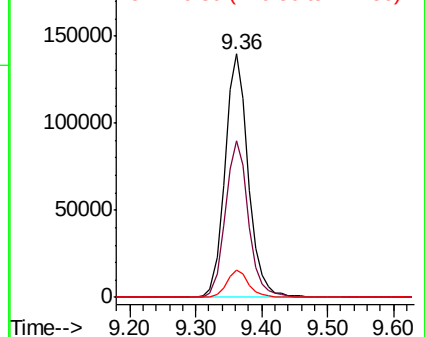
83 100

85 64.2 50.9 76.3

127 11.1 8.1 12.1



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: 46.158 ug/l

RT: 9.11 min Scan# 780

Delta R.T. -0.02 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

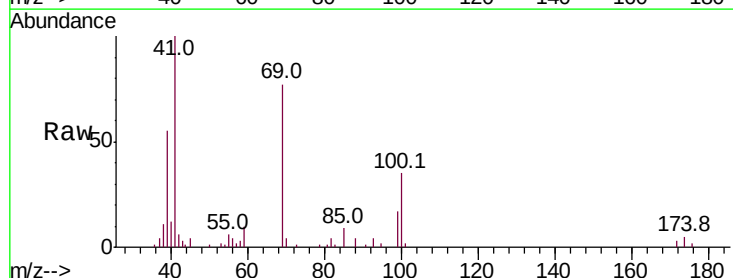
Tgt Ion: 41 Resp: 114353

Ion Ratio Lower Upper

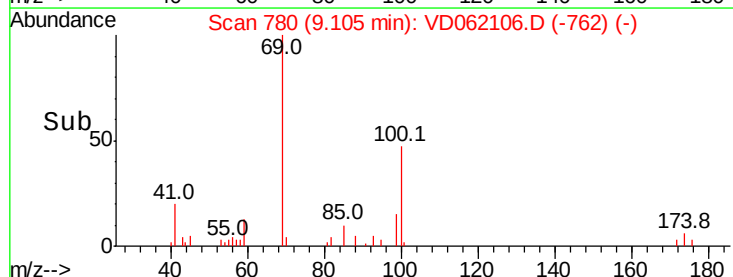
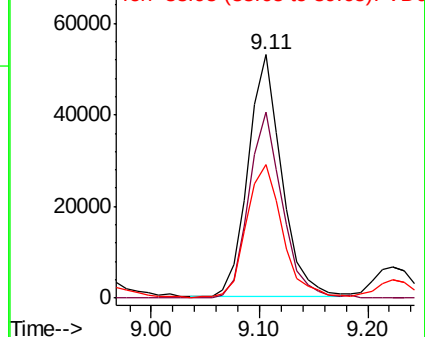
41 100

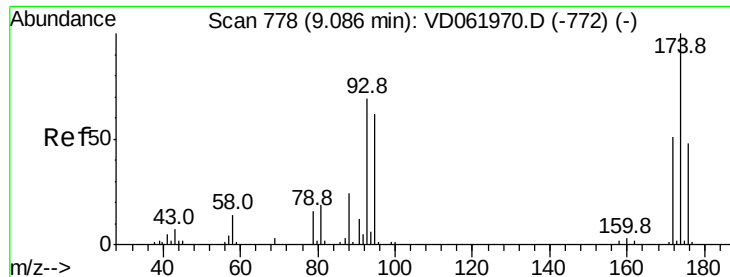
69 76.6 64.2 96.2

39 54.6 46.8 70.2



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

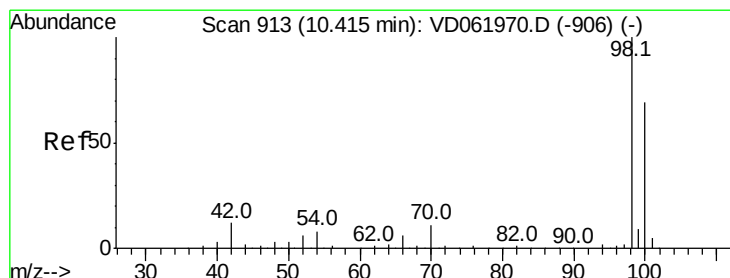
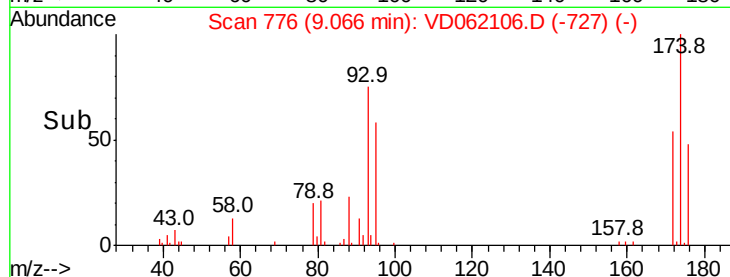
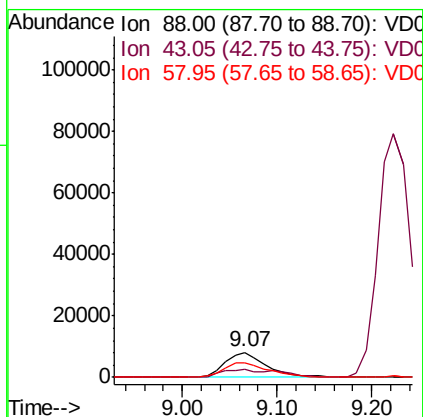
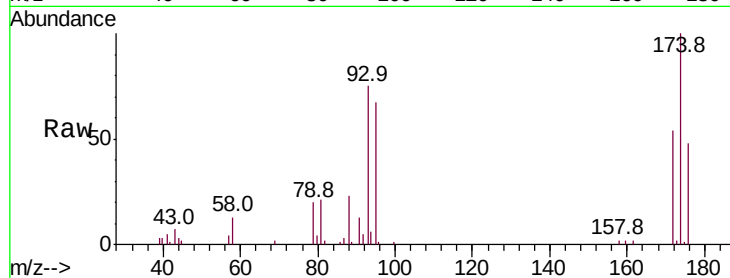




#49
1,4-Dioxane
Concen: 921.050 ug/l
RT: 9.07 min Scan# 776
Delta R.T. -0.01 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

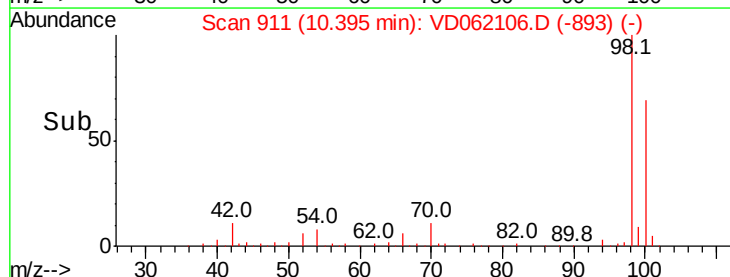
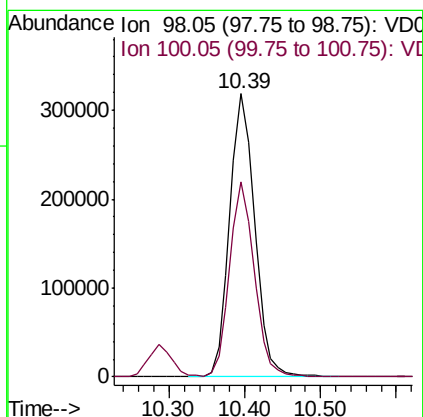
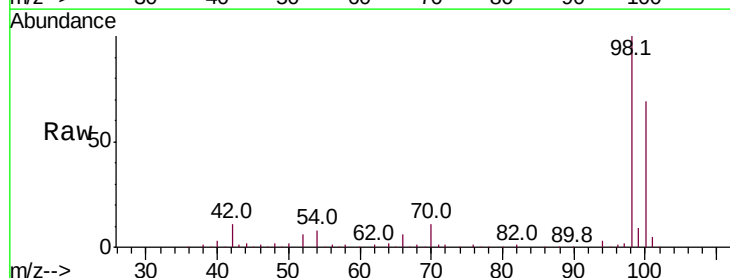
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

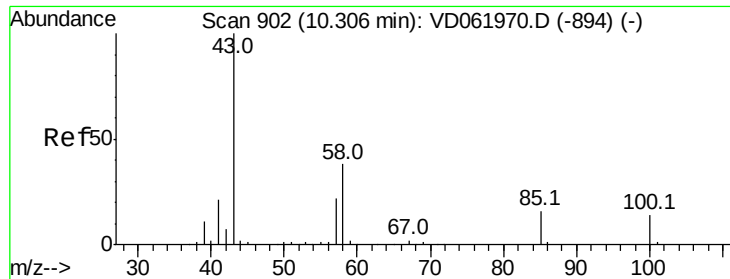
Tot Ion: 88 Resp: 24601
Ion Ratio Lower Upper
88 100
43 32.0 23.4 35.0
58 55.6 44.0 66.0



#50
Toluene-d8
Concen: 49.586 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

Tgt Ion: 98 Resp: 730400
Ion Ratio Lower Upper
98 100
100 69.1 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 233.359 ug/l

RT: 10.29 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

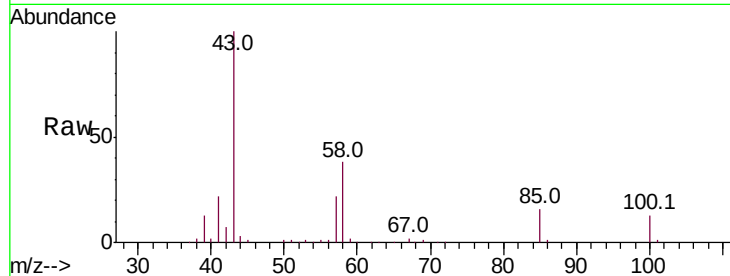
VSTDCCC050EC

Tot Ion: 43 Resp: 619680

Ion Ratio Lower Upper

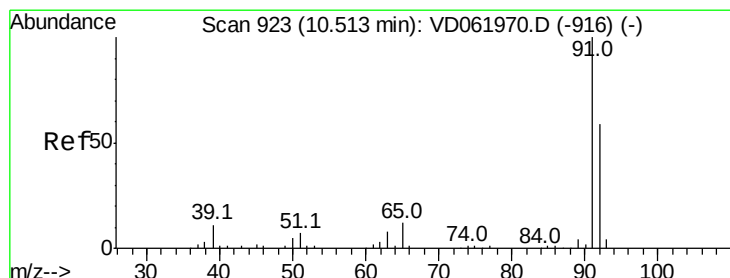
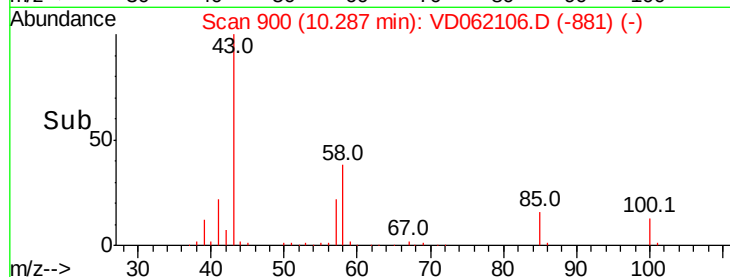
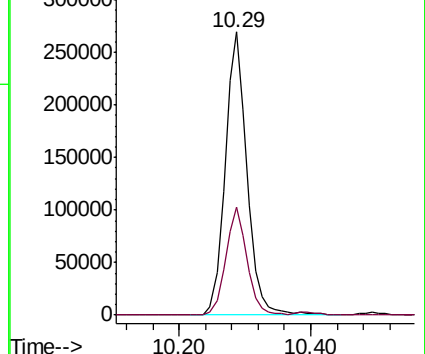
43 100

58 38.3 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 40.702 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.02 min

Lab File: VD062106.D

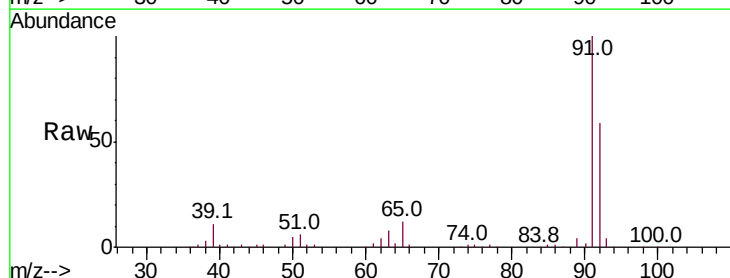
Acq: 1 May 2019 18:24

Tgt Ion: 92 Resp: 448057

Ion Ratio Lower Upper

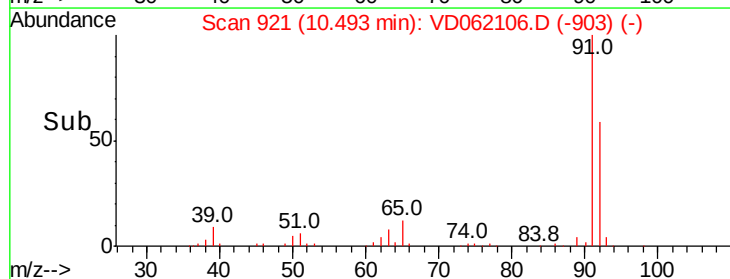
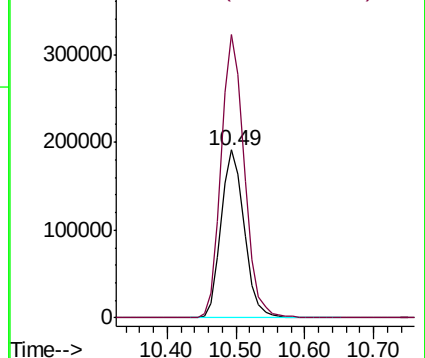
92 100

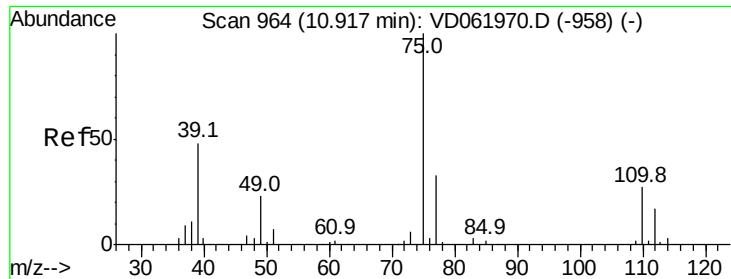
91 168.7 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

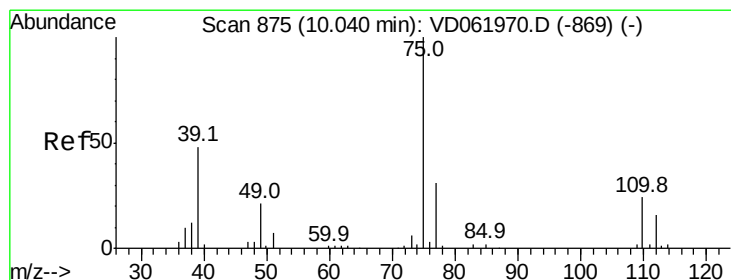
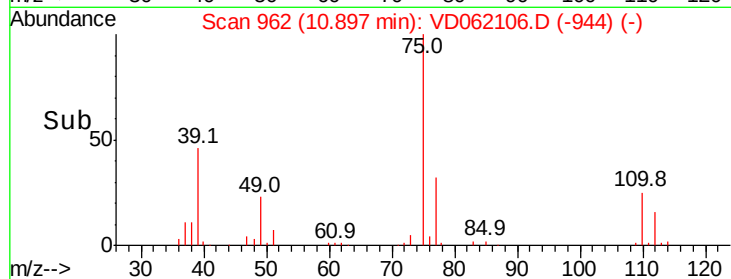
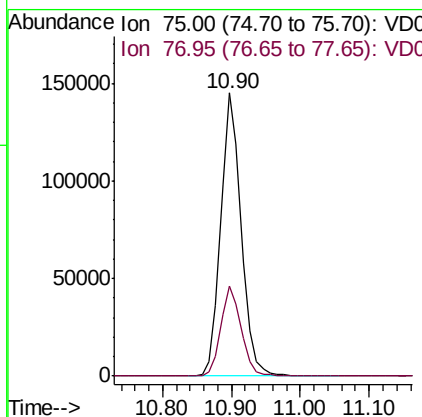
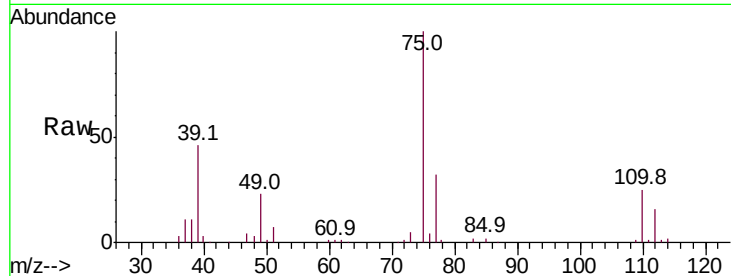




#53
 t-1,3-Dichloropropene
 Concen: 47.668 ug/l
 RT: 10.90 min Scan# 962
 Delta R.T. -0.02 min
 Lab File: VD062106.D
 Acq: 1 May 2019 18:24

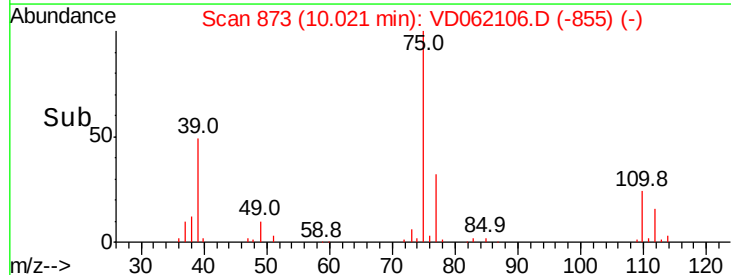
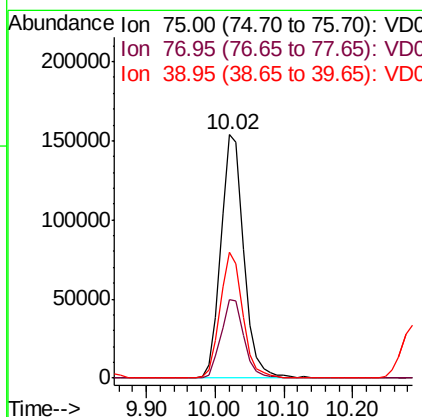
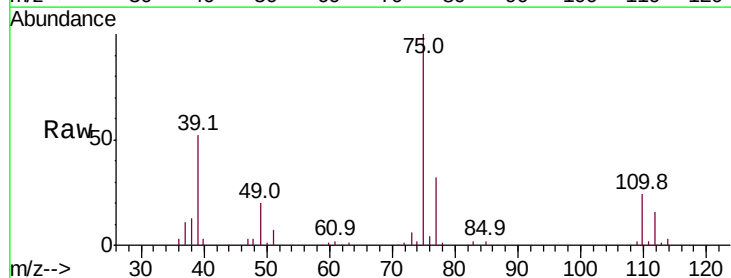
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

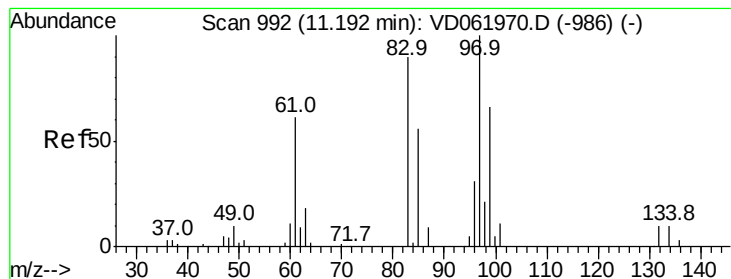
Tot Ion: 75 Resp: 297951
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 46.547 ug/l
 RT: 10.02 min Scan# 873
 Delta R.T. -0.02 min
 Lab File: VD062106.D
 Acq: 1 May 2019 18:24

Tgt Ion: 75 Resp: 353866
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.5 38.3
 39 51.8 39.4 59.2





#55

1,1,2-Trichloroethane

Concen: 43.344 ug/l

RT: 11.17 min Scan# 990

Delta R.T. -0.02 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 160186

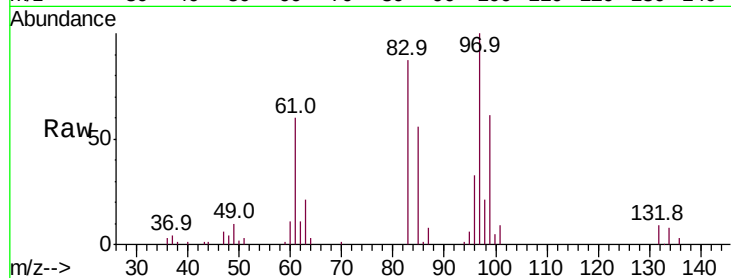
Ion Ratio Lower Upper

97 100

83 87.5 65.7 98.5

85 55.7 45.6 68.4

99 61.3 48.4 72.6

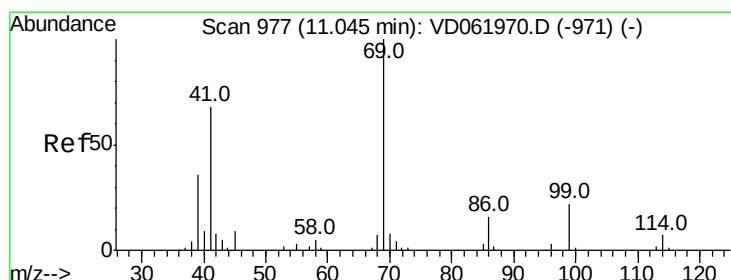
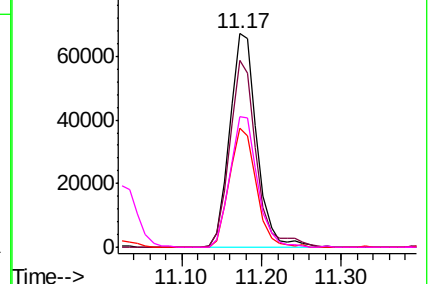
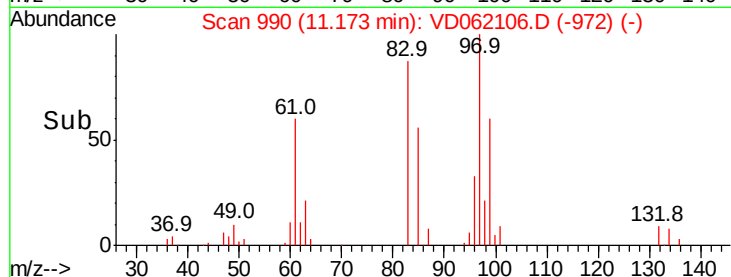


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 44.422 ug/l

RT: 11.02 min Scan# 975

Delta R.T. -0.02 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

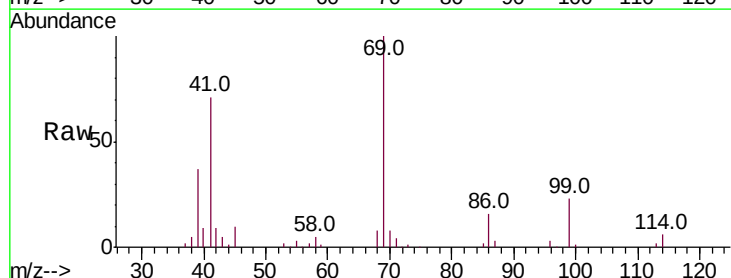
Tgt Ion: 69 Resp: 181824

Ion Ratio Lower Upper

69 100

41 71.0 56.3 84.5

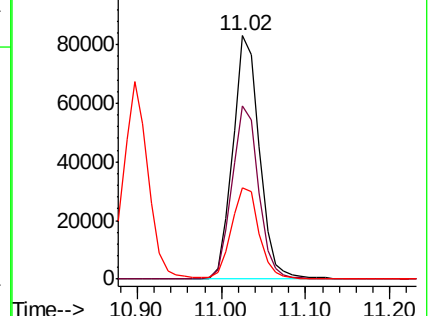
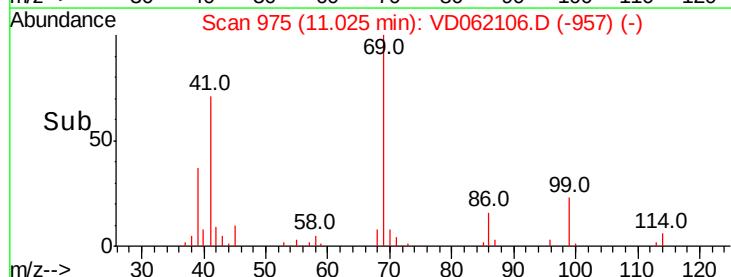
39 37.4 29.4 44.2

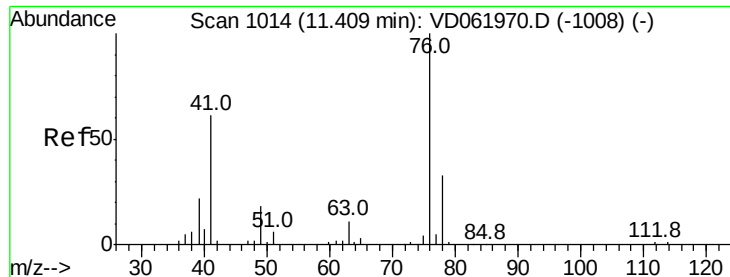


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 45.181 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

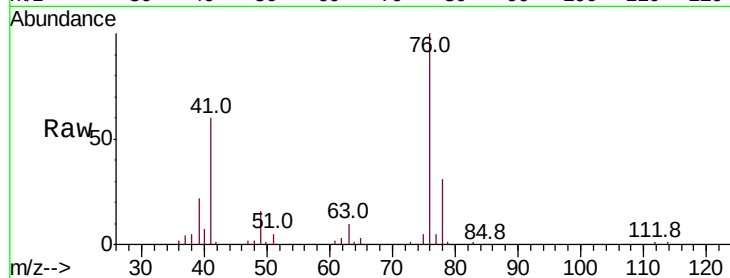
VSTDCCC050EC

Tot Ion: 76 Resp: 257887

Ion Ratio Lower Upper

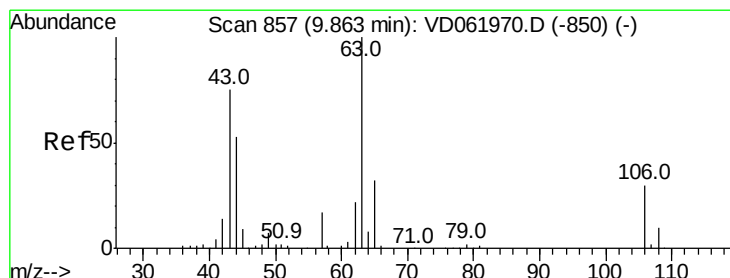
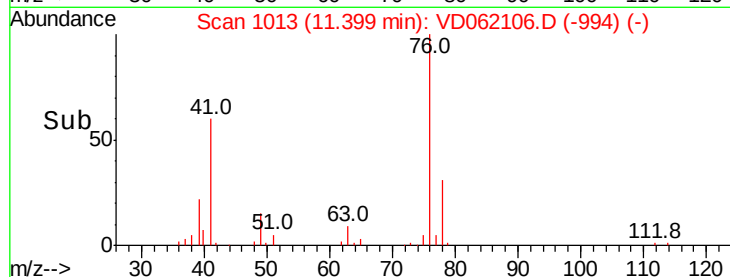
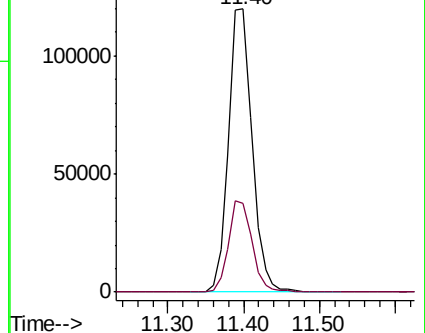
76 100

78 31.4 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 231.201 ug/l

RT: 9.84 min Scan# 855

Delta R.T. -0.02 min

Lab File: VD062106.D

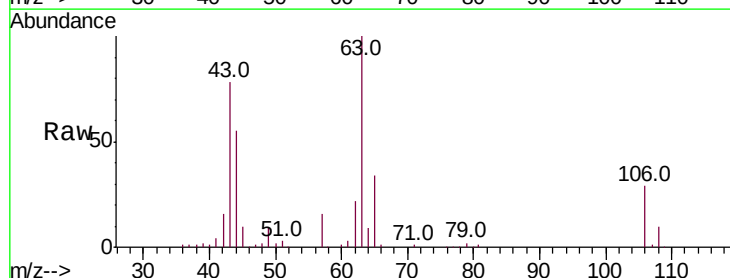
Acq: 1 May 2019 18:24

Tgt Ion: 63 Resp: 439975

Ion Ratio Lower Upper

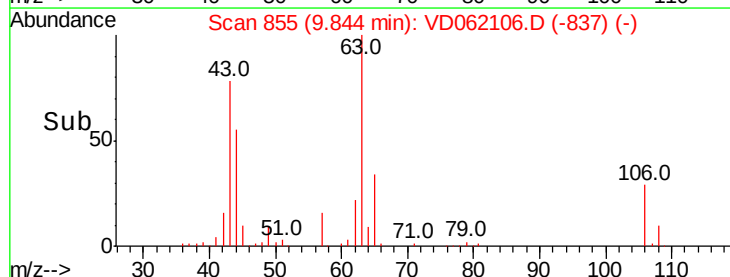
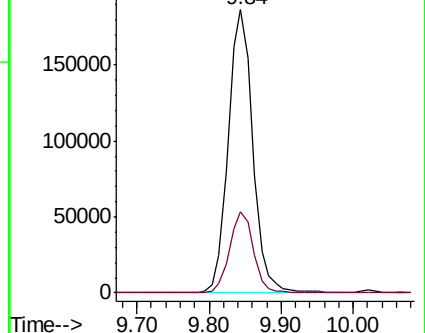
63 100

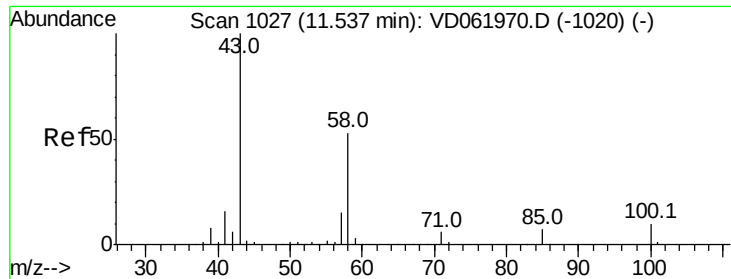
106 28.7 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

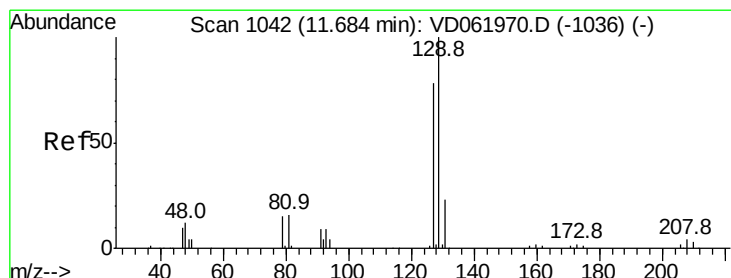
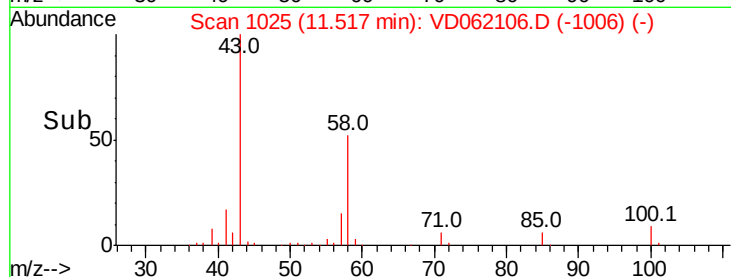
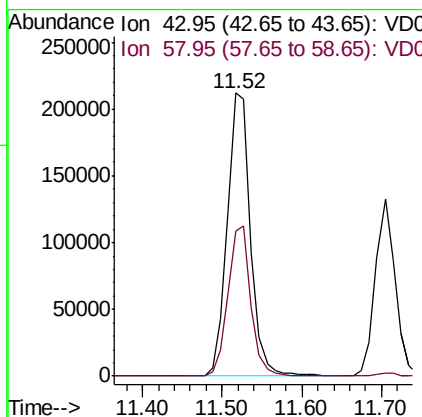
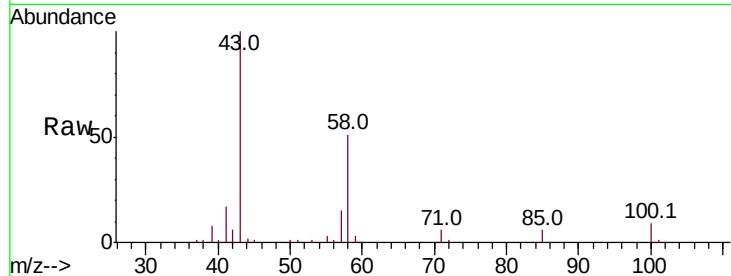




#59
2-Hexanone
Concen: 218.538 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.01 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

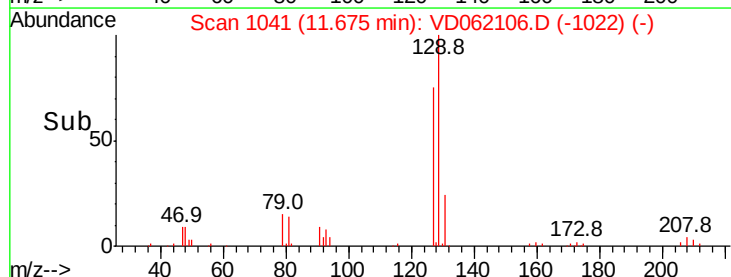
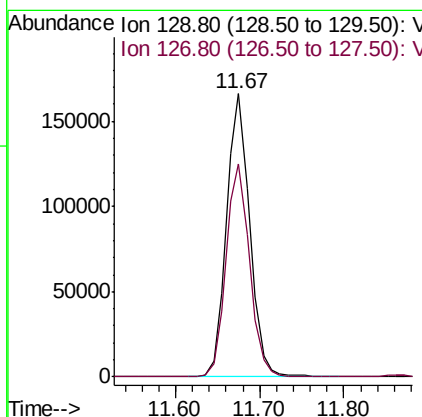
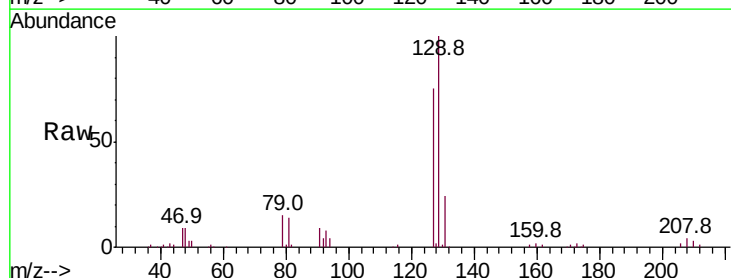
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

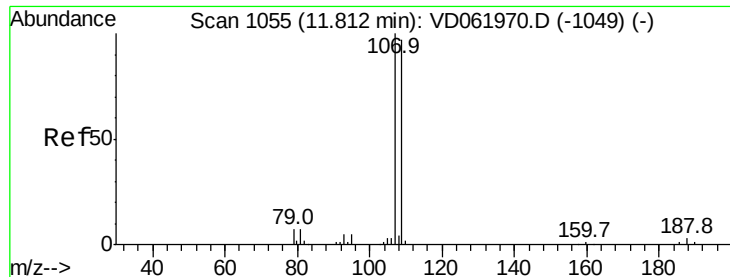
Tot Ion: 43 Resp: 435325
Ion Ratio Lower Upper
43 100
58 51.4 25.4 76.4



#60
Dibromochloromethane
Concen: 51.840 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

Tgt Ion: 129 Resp: 317002
Ion Ratio Lower Upper
129 100
127 75.2 38.0 113.9

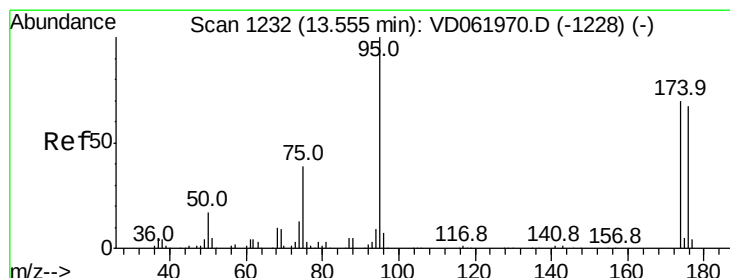
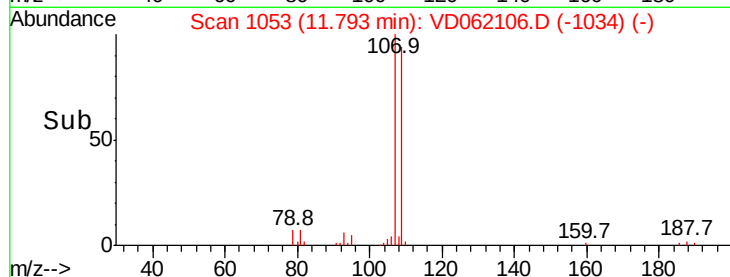
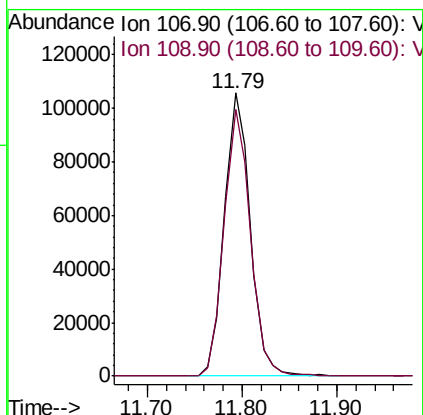
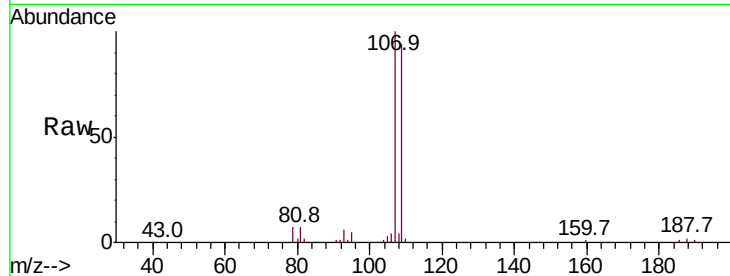




#61
 1,2-Dibromoethane
 Concen: 45.820 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD062106.D
 Acq: 1 May 2019 18:24

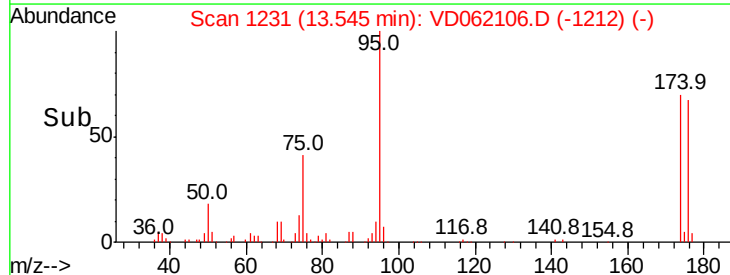
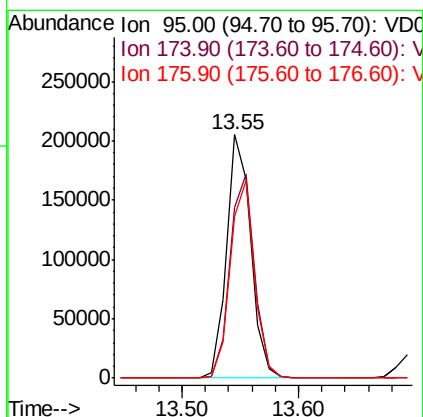
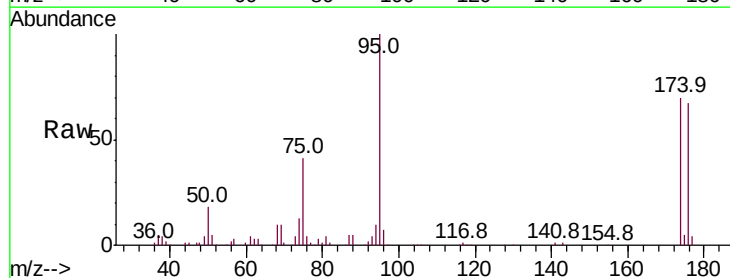
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

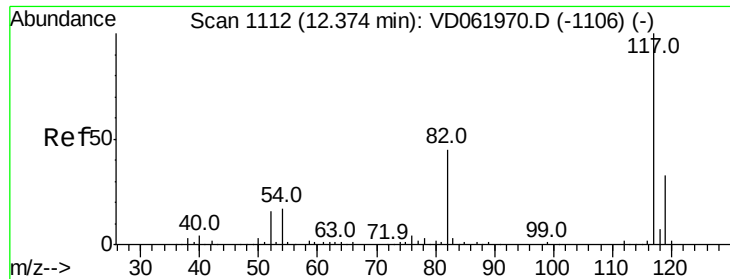
Tot Ion:107 Resp: 200876
 Ion Ratio Lower Upper
 107 100
 109 94.1 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 49.855 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD062106.D
 Acq: 1 May 2019 18:24

Tgt Ion: 95 Resp: 294553
 Ion Ratio Lower Upper
 95 100
 174 70.3 0.0 181.8
 176 66.6 0.0 174.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.35 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

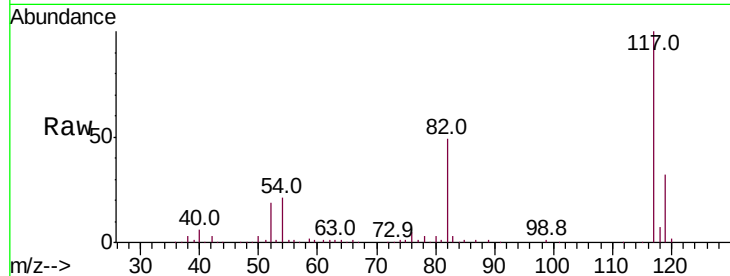
Tot Ion:117 Resp: 735208

Ion Ratio Lower Upper

117 100

82 49.2 36.2 54.2

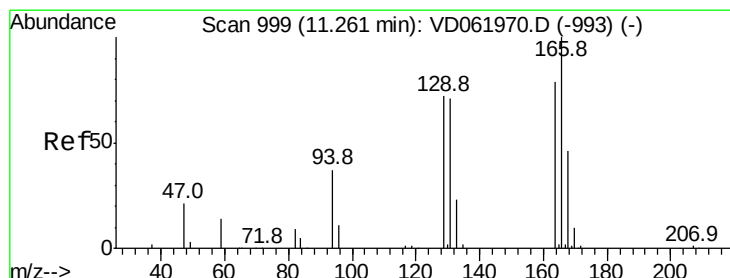
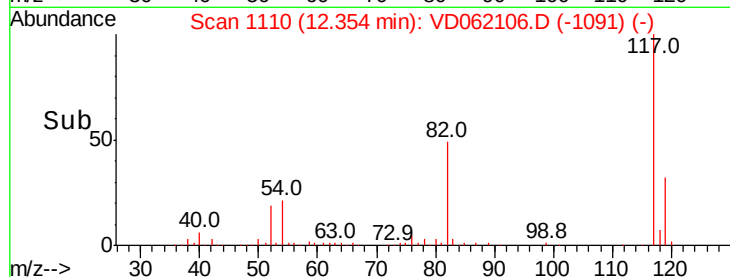
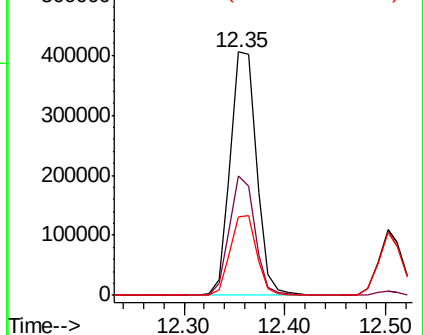
119 32.2 26.2 39.4



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: 43.505 ug/l

RT: 11.24 min Scan# 997

Delta R.T. -0.02 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Tgt Ion:164 Resp: 228170

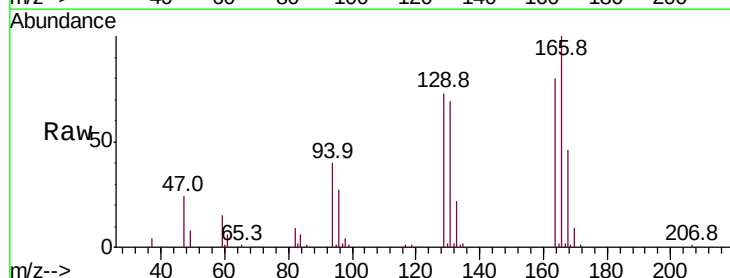
Ion Ratio Lower Upper

164 100

166 124.3 101.5 152.3

129 90.4 74.6 112.0

131 86.3 72.6 108.8

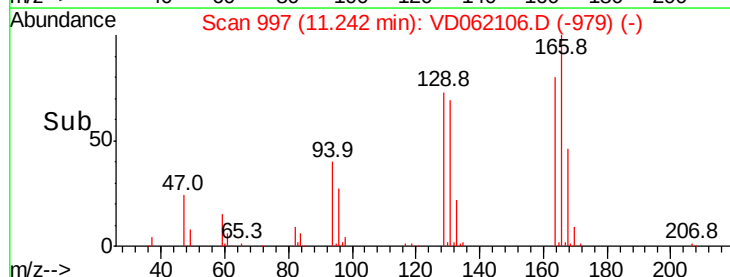
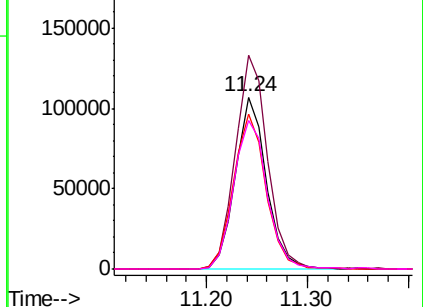


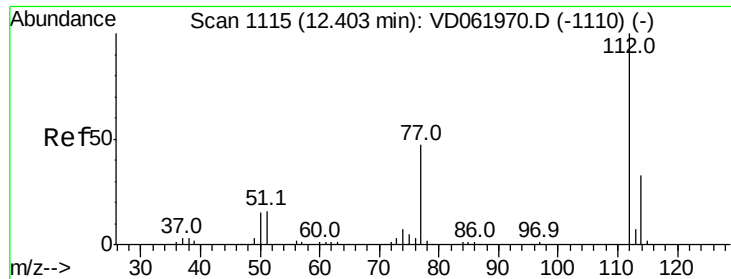
Abundance Ion 163.85 (163.55 to 164.55): V

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

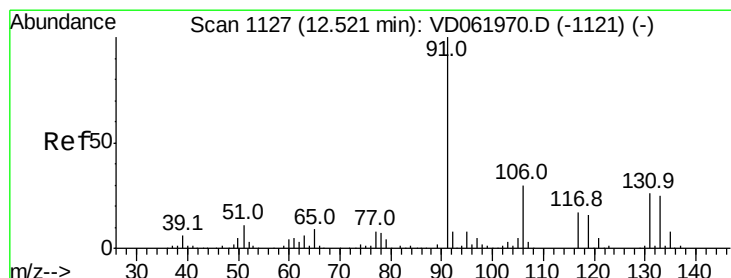
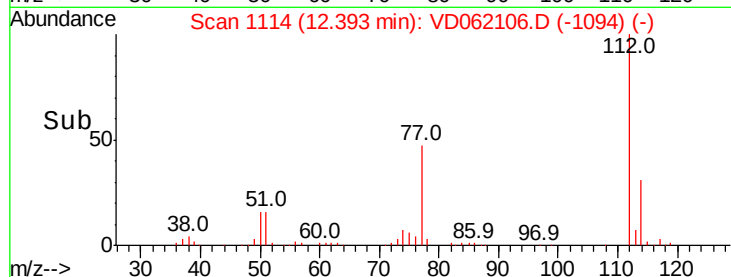
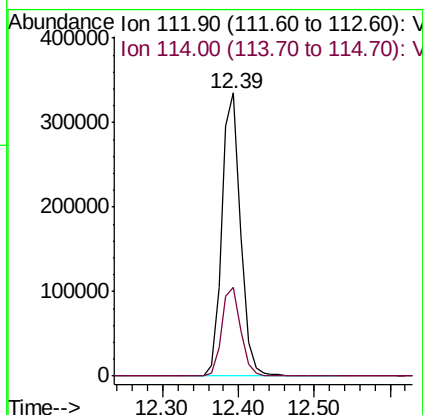
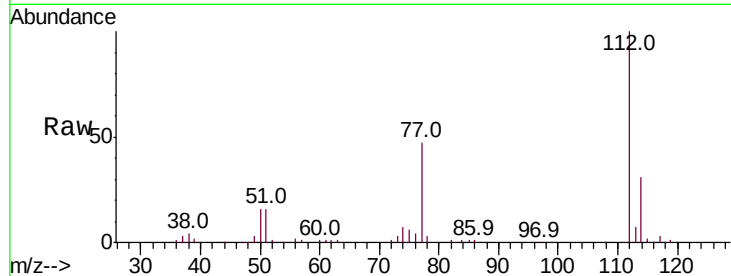




#65
Chlorobenzene
Concen: 41.549 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

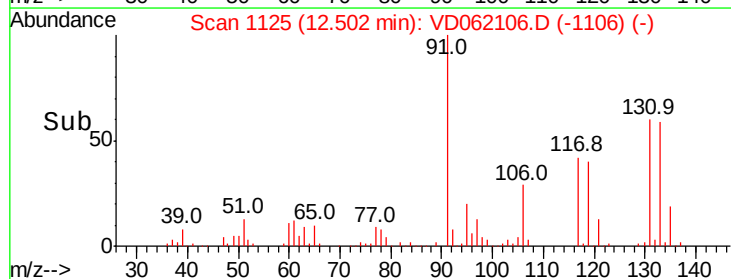
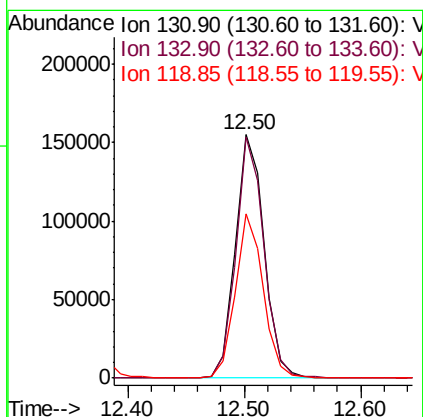
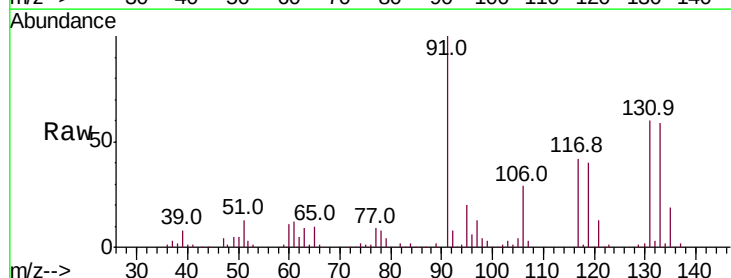
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

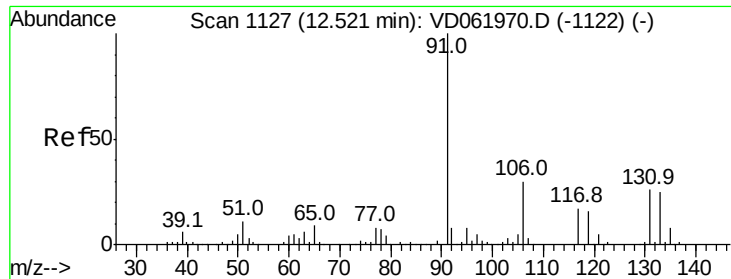
Tot Ion:112 Resp: 577232
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 44.723 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

Tgt Ion:131 Resp: 263556
Ion Ratio Lower Upper
131 100
133 99.1 48.6 145.8
119 67.6 34.7 104.1

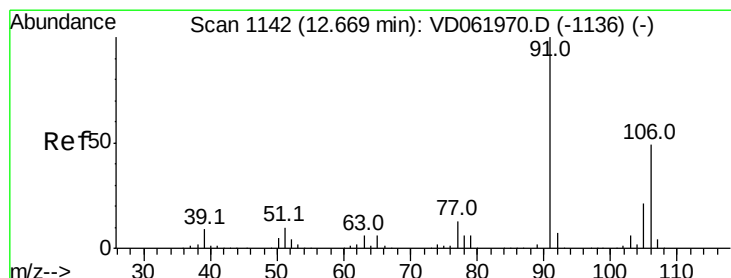
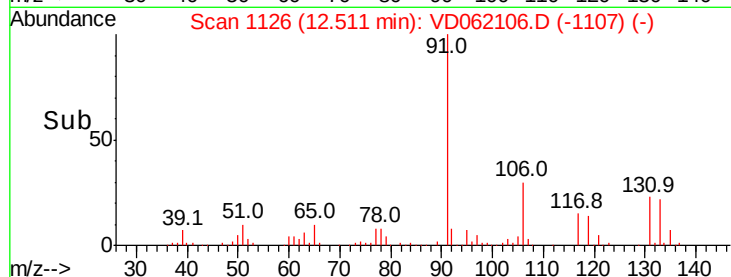
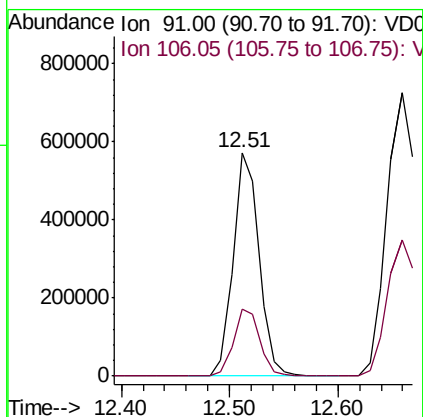
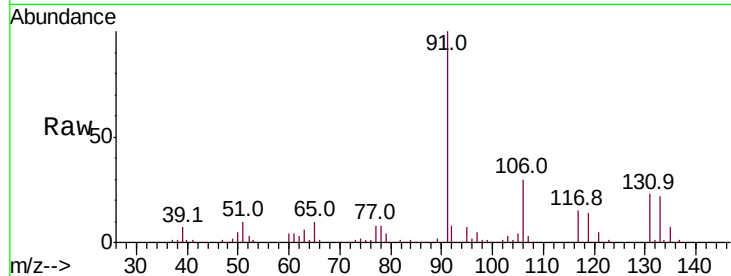




#67
Ethyl Benzene
Concen: 41.964 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

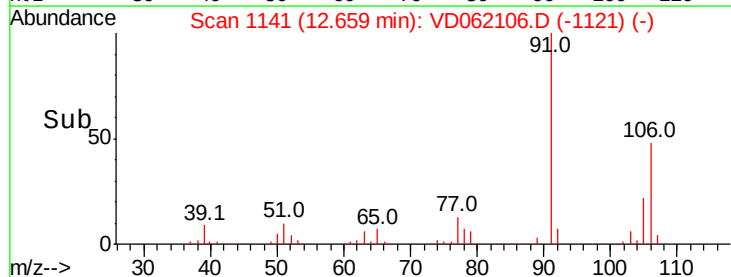
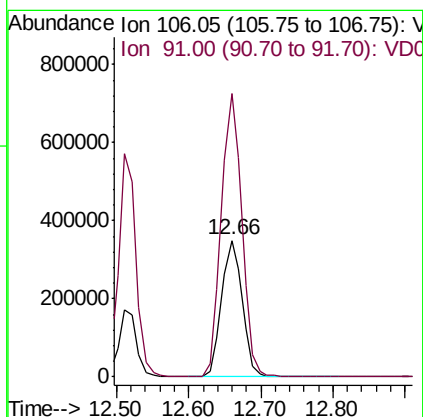
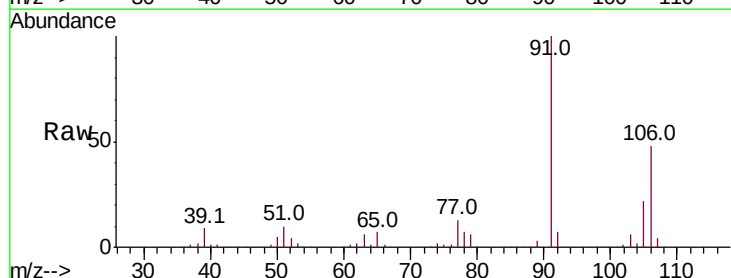
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

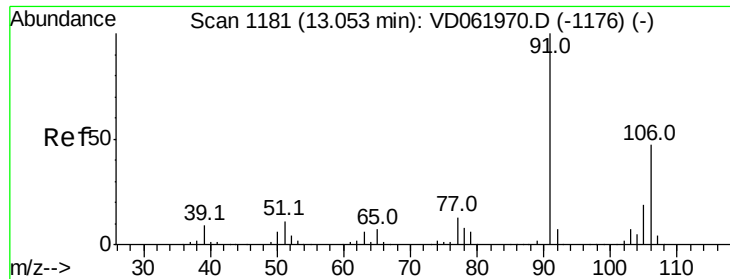
Tot Ion: 91 Resp: 951560
Ion Ratio Lower Upper
91 100
106 30.1 24.7 37.1



#68
m/p-Xylenes
Concen: 84.178 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

Tgt Ion:106 Resp: 689892
Ion Ratio Lower Upper
106 100
91 207.7 164.0 246.0

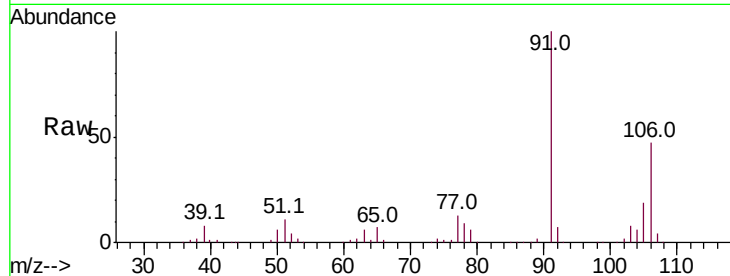




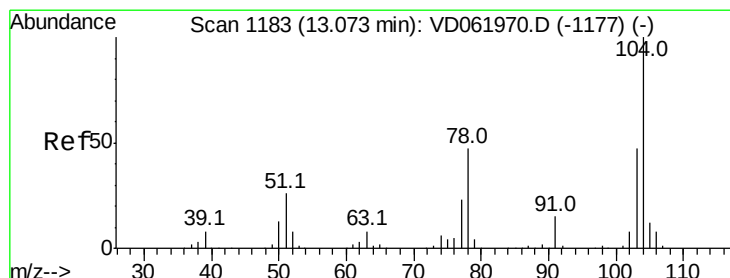
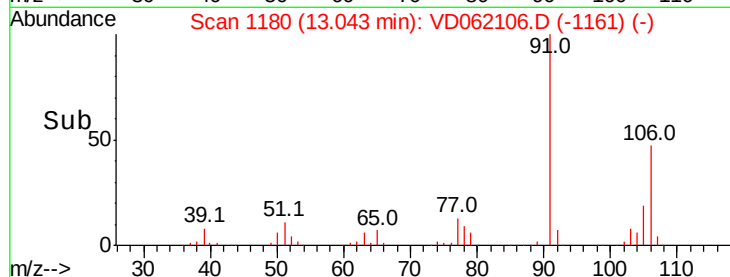
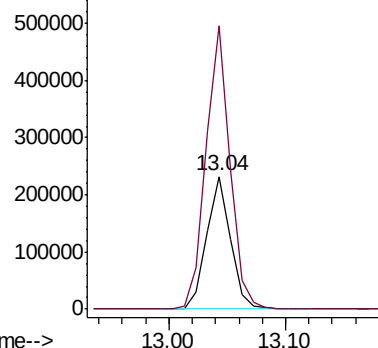
#69
o-Xylene
Concen: 43.985 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 329828
Ion Ratio Lower Upper
106 100
91 213.5 106.7 319.9

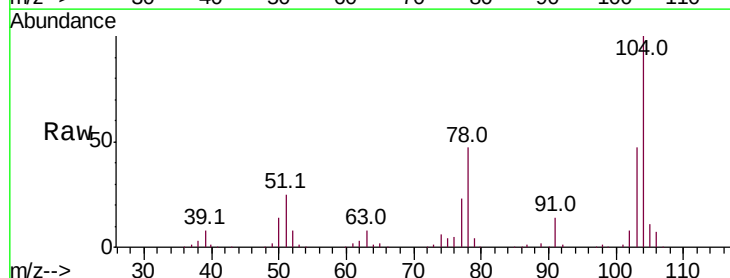


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

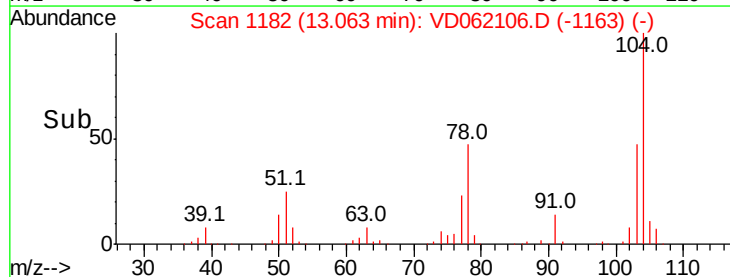
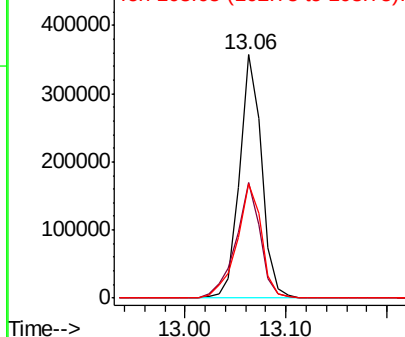


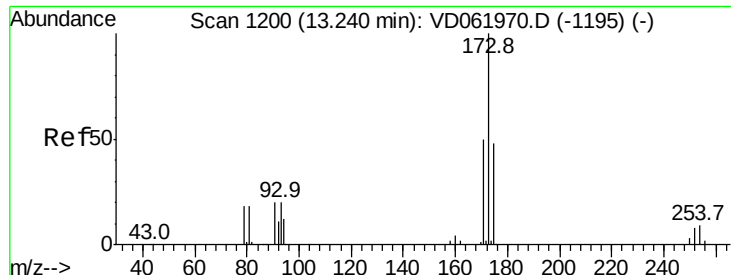
#70
Styrene
Concen: 41.685 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

Tgt Ion:104 Resp: 539735
Ion Ratio Lower Upper
104 100
78 47.4 35.4 53.2
103 46.9 37.5 56.3



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

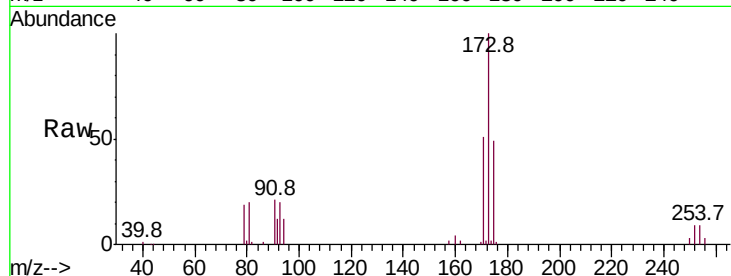




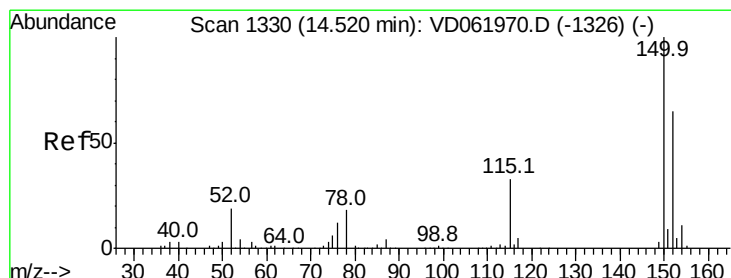
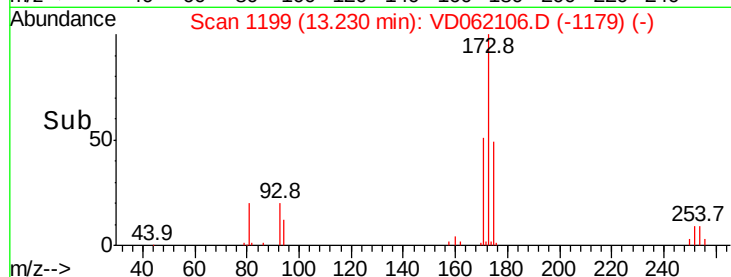
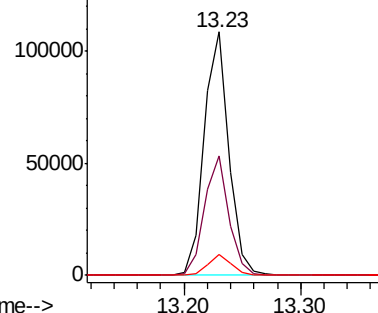
#71
Bromoform
Concen: 47.283 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 158856
Ion Ratio Lower Upper
173 100
175 49.1 24.4 73.4
254 8.7 5.4 8.2#

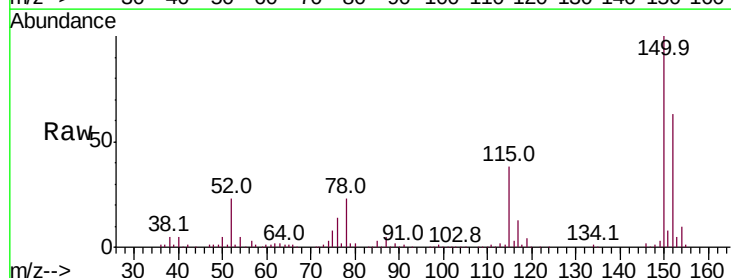


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

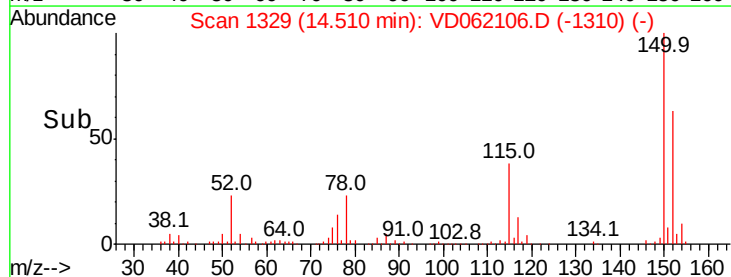
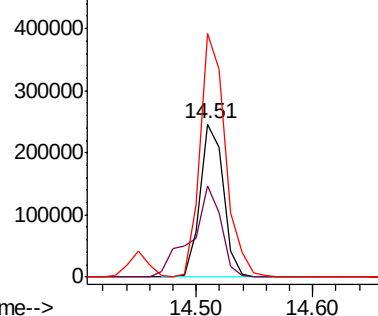


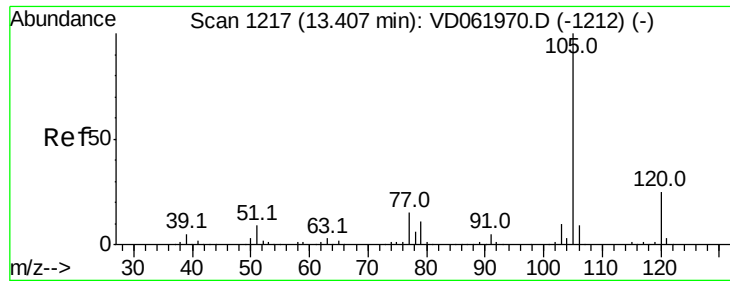
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

Tgt Ion:152 Resp: 344220
Ion Ratio Lower Upper
152 100
115 59.6 30.9 92.7
150 158.8 0.0 314.8



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: 40.854 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

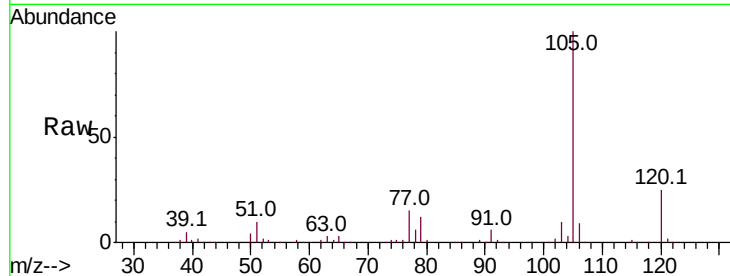
VSTDCCC050EC

Tot Ion:105 Resp: 938086

Ion Ratio Lower Upper

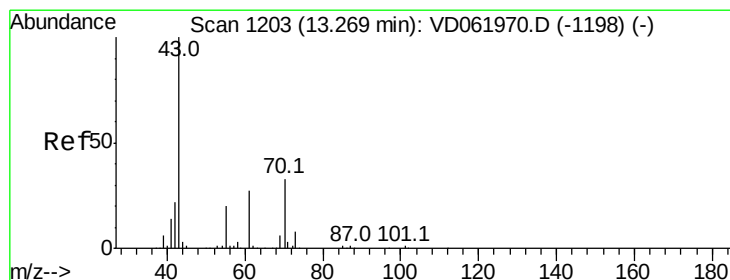
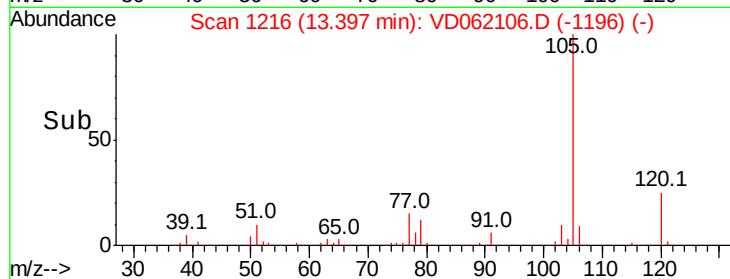
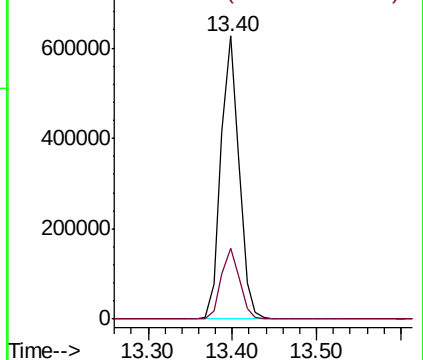
105 100

120 25.1 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 44.119 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Tgt Ion: 43 Resp: 260900

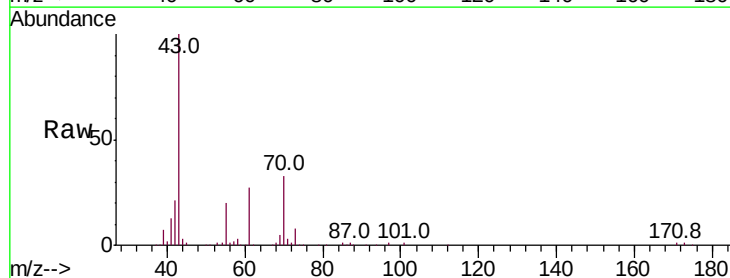
Ion Ratio Lower Upper

43 100

70 33.4 24.2 36.4

55 19.8 16.0 24.0

61 26.7 21.6 32.4

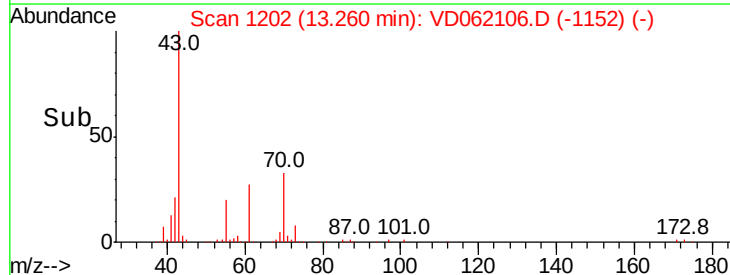
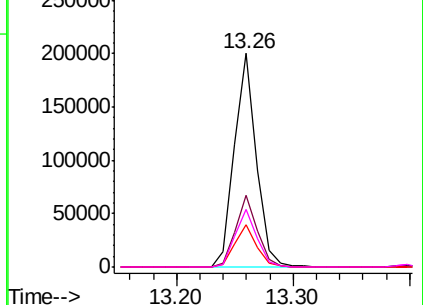


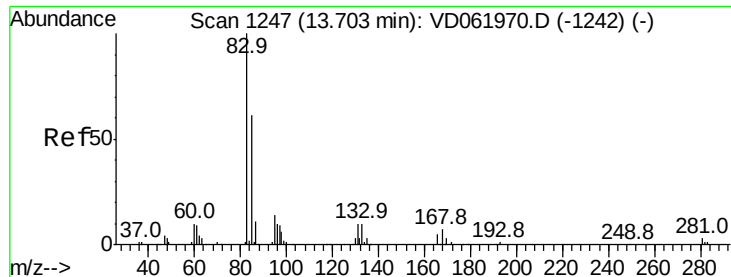
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 41.728 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

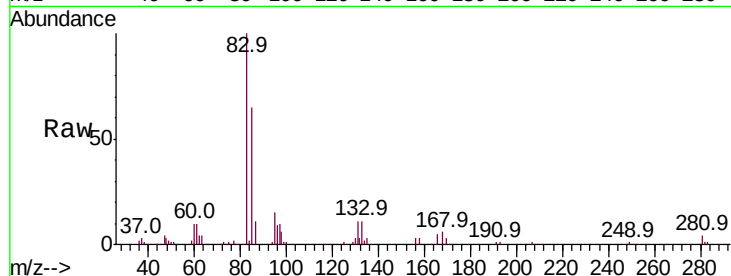
Tot Ion: 83 Resp: 187761

Ion Ratio Lower Upper

83 100

131 11.1 5.0 14.9

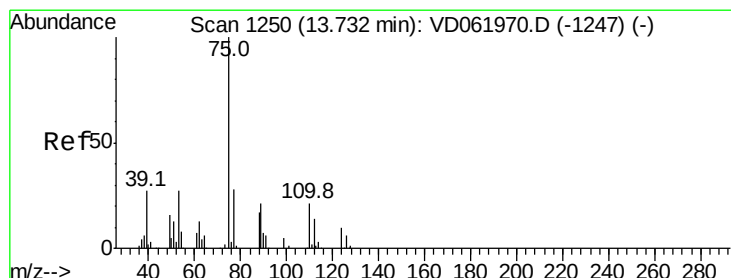
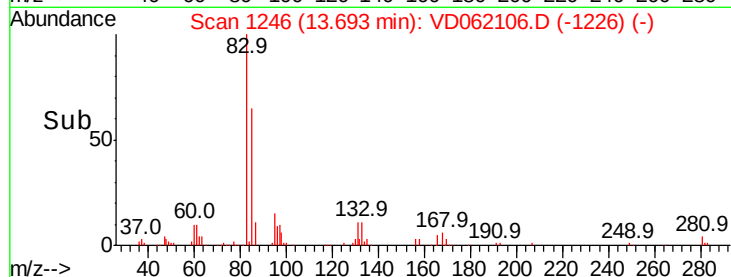
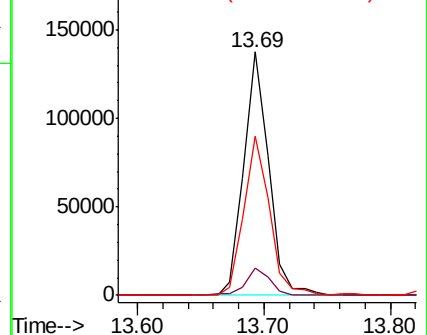
85 65.4 32.6 97.7



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: 44.737 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD062106.D

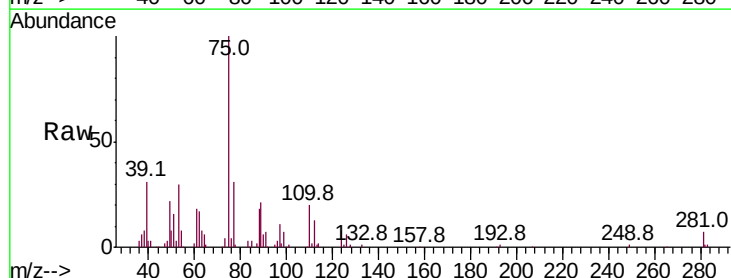
Acq: 1 May 2019 18:24

Tgt Ion: 75 Resp: 195550

Ion Ratio Lower Upper

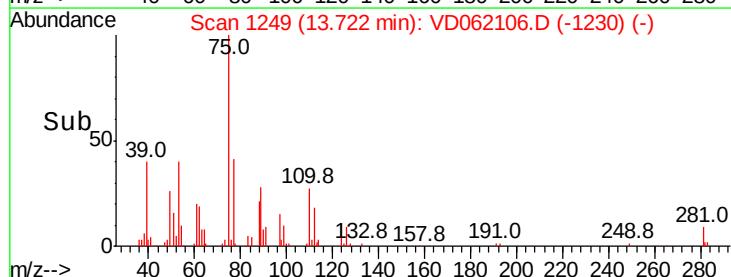
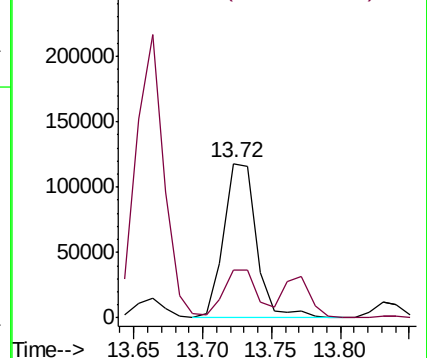
75 100

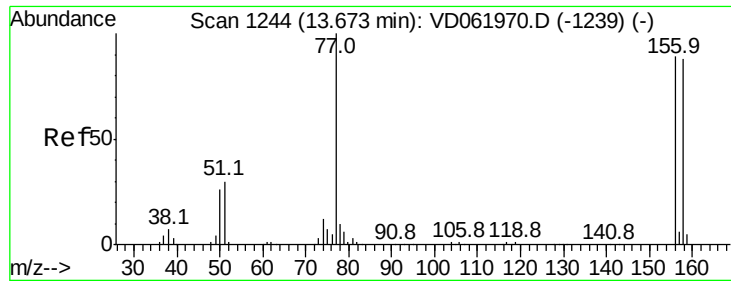
77 30.7 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

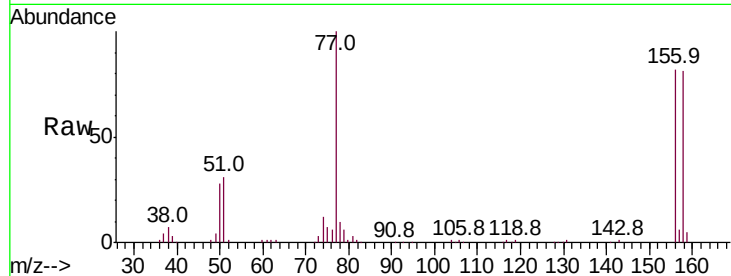




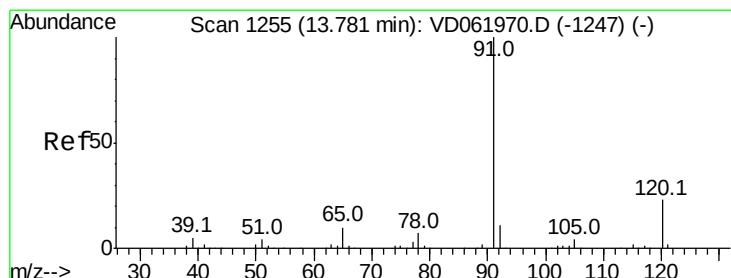
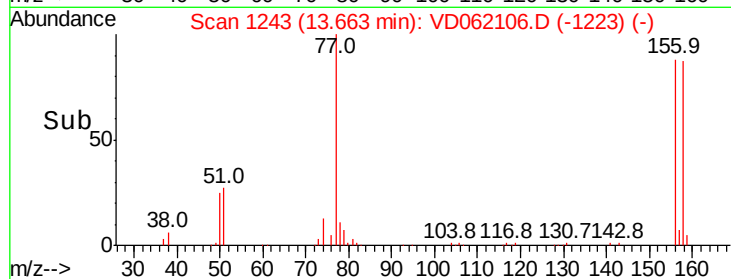
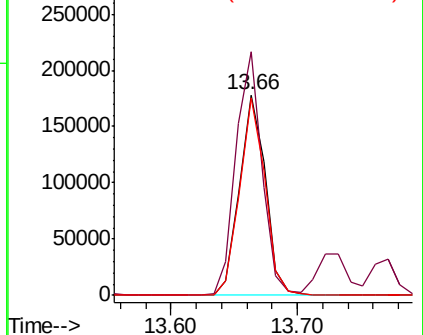
#77
Bromobenzene
Concen: 38.354 ug/l
RT: 13.66 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:156 Resp: 252639
Ion Ratio Lower Upper
156 100
77 121.4 53.1 159.4
158 98.4 49.4 148.0

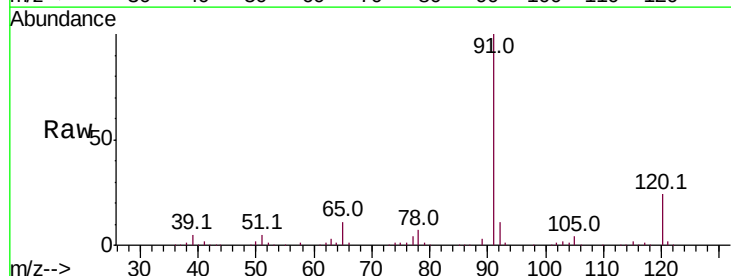


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

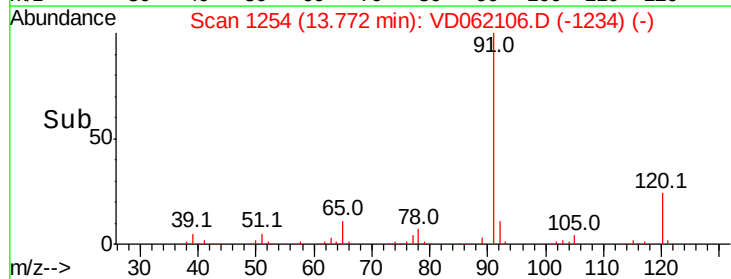
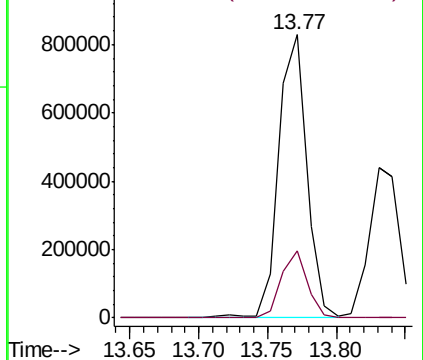


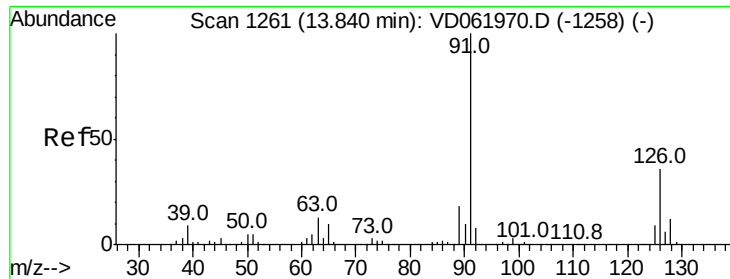
#78
n-propylbenzene
Concen: 44.539 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

Tgt Ion: 91 Resp: 1170748
Ion Ratio Lower Upper
91 100
120 23.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V

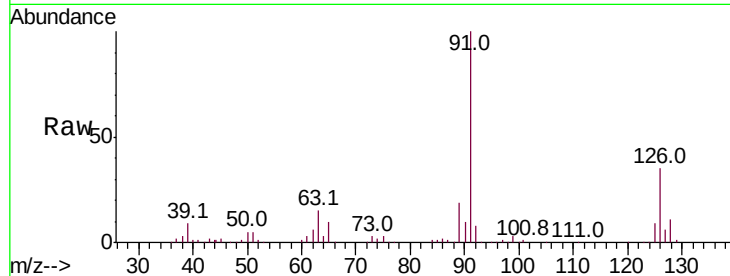




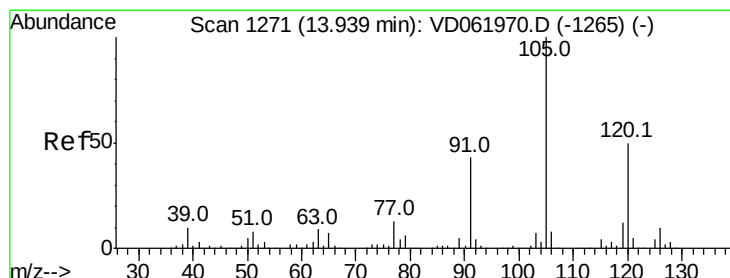
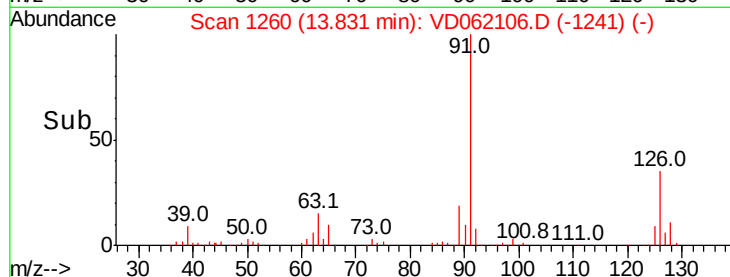
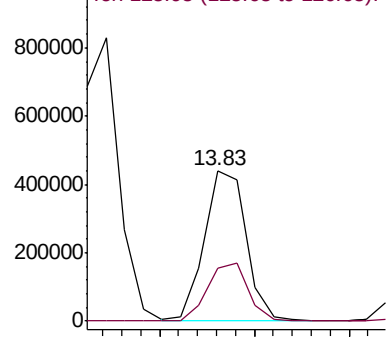
#79
 2-Chlorotoluene
 Concen: 42.256 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD062106.D
 Acq: 1 May 2019 18:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 672795
 Ion Ratio Lower Upper
 91 100
 126 35.2 18.6 55.8

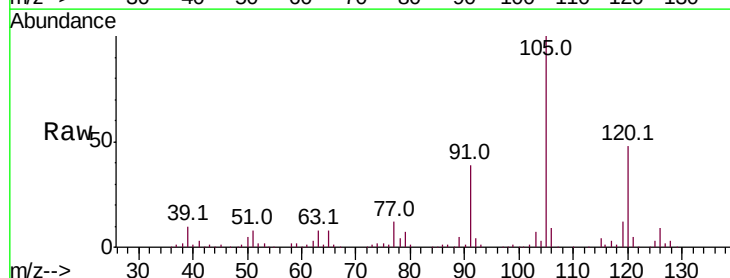


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

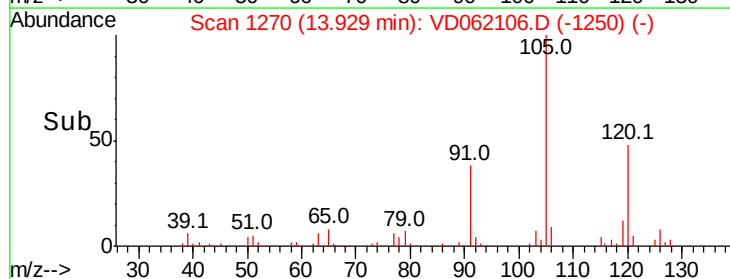
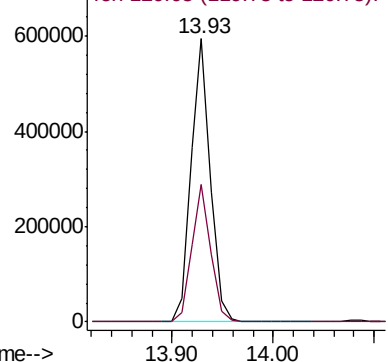


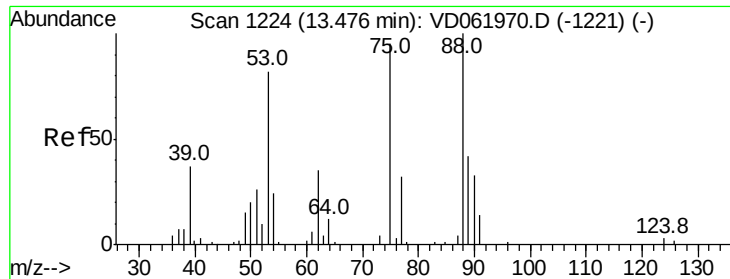
#80
 1,3,5-Trimethylbenzene
 Concen: 43.189 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD062106.D
 Acq: 1 May 2019 18:24

Tgt Ion: 105 Resp: 790746
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.0 72.0



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

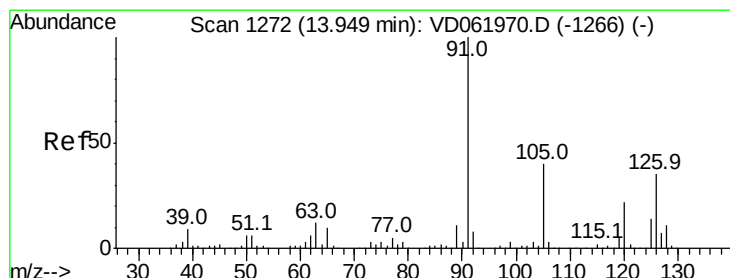
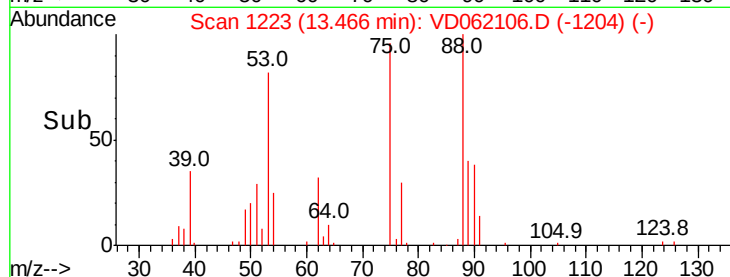
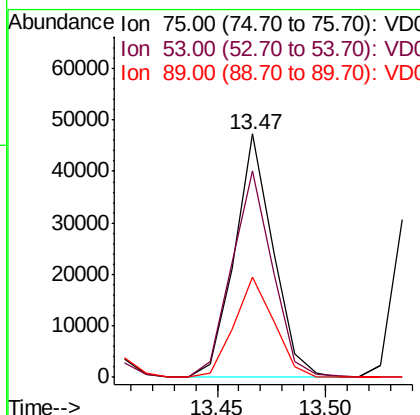
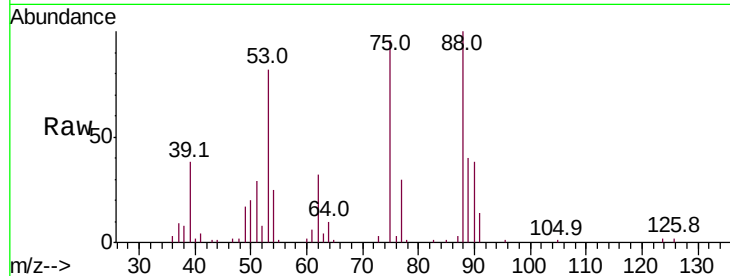




#81
trans-1,4-Dichloro-2-butene
Concen: 44.603 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

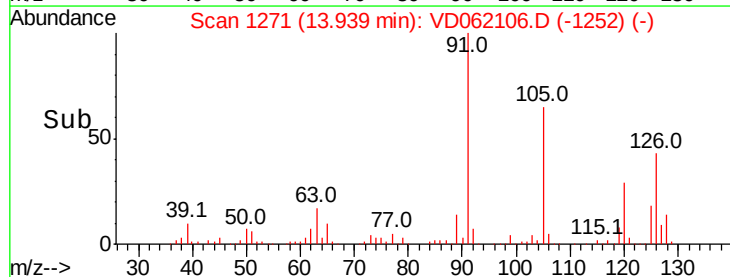
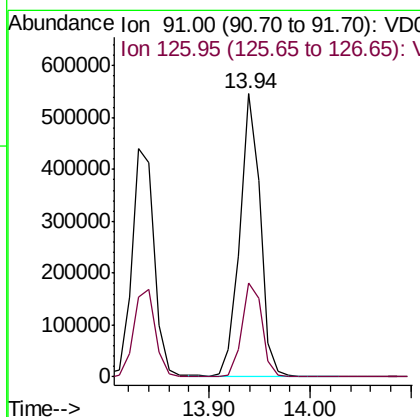
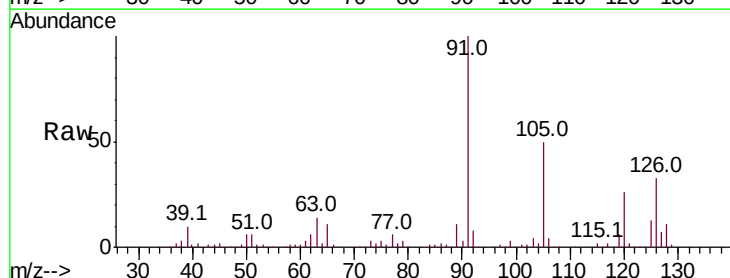
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

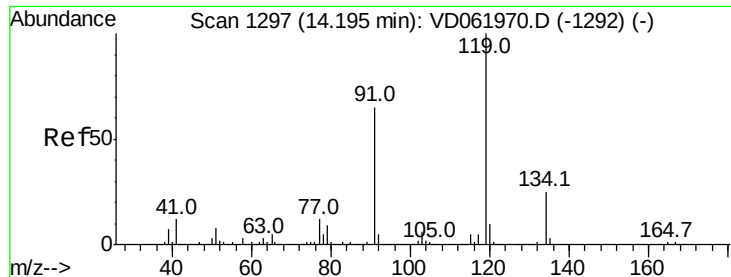
Tot Ion: 75 Resp: 59081
Ion Ratio Lower Upper
75 100
53 85.1 65.8 98.8
89 41.3 35.0 52.6



#82
4-Chlorotoluene
Concen: 43.622 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

Tgt Ion: 91 Resp: 764886
Ion Ratio Lower Upper
91 100
126 33.1 19.1 57.5





#83

tert-Butylbenzene

Concen: 44.786 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. -0.00 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

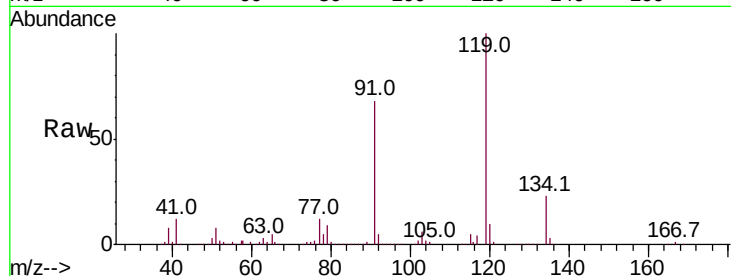
Tot Ion:119 Resp: 949892

Ion Ratio Lower Upper

119 100

91 67.7 34.2 102.6

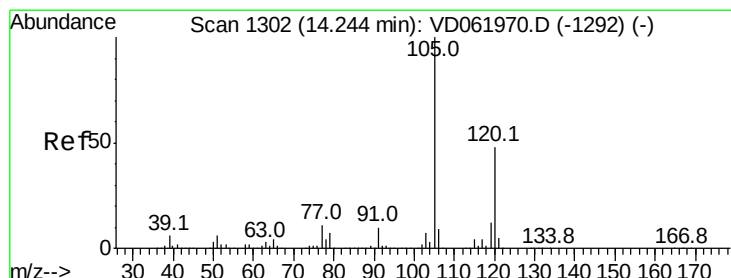
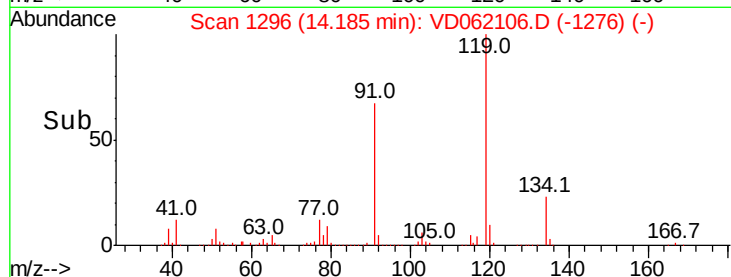
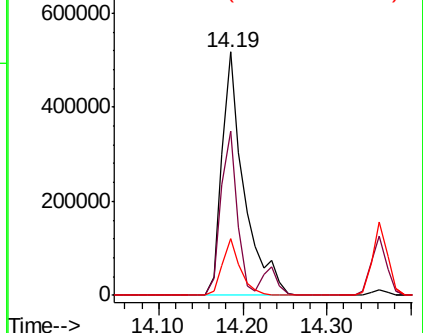
134 23.2 12.0 36.0



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: 46.628 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD062106.D

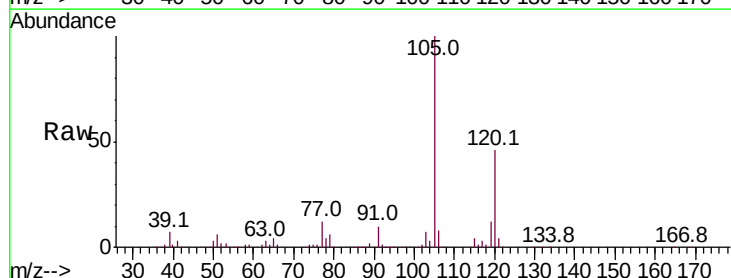
Acq: 1 May 2019 18:24

Tgt Ion:105 Resp: 815150

Ion Ratio Lower Upper

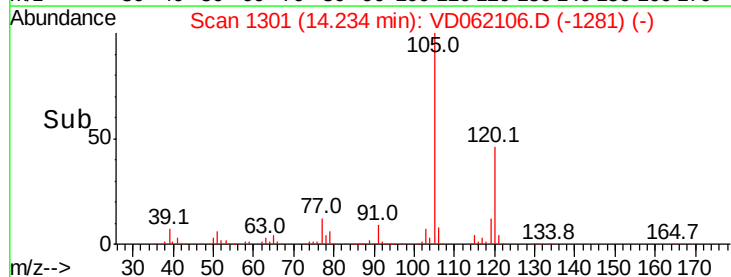
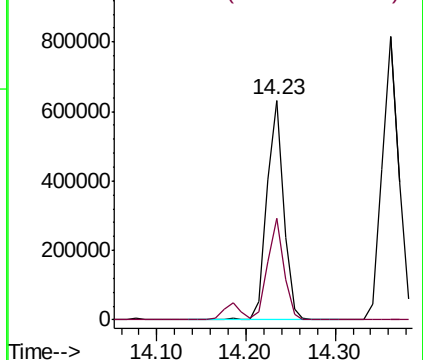
105 100

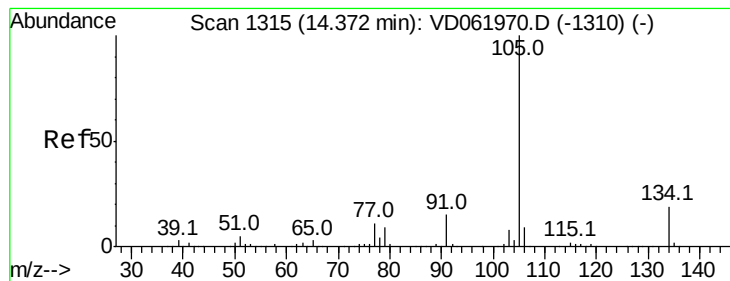
120 46.4 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 45.438 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

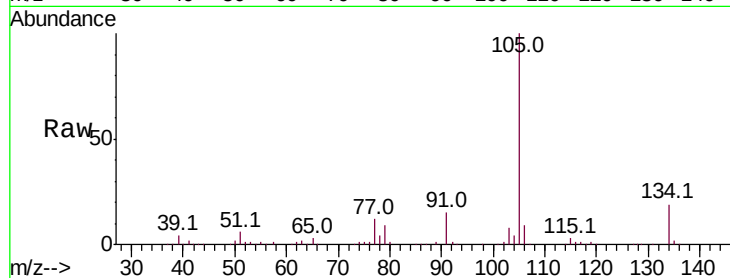
VSTDCCC050EC

Tot Ion:105 Resp: 1041324

Ion Ratio Lower Upper

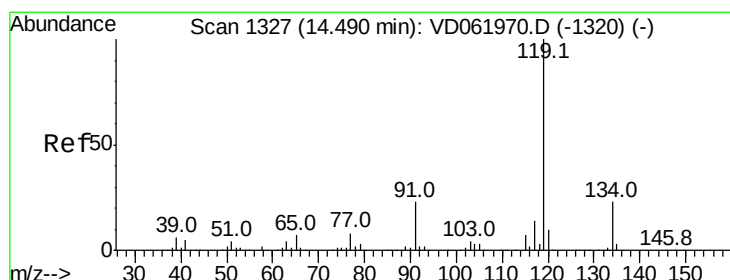
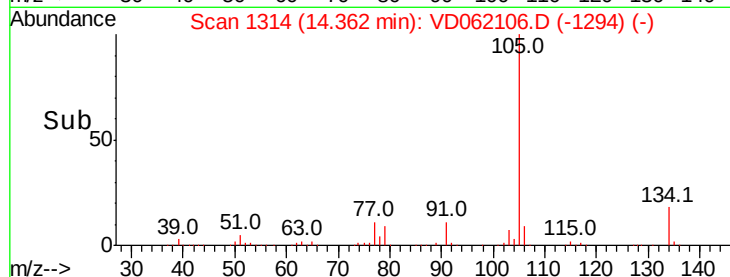
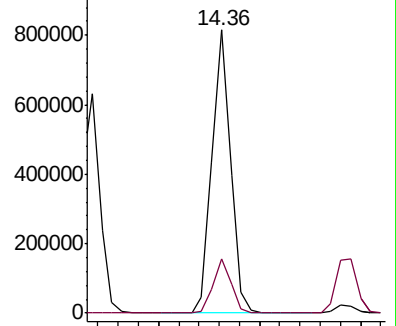
105 100

134 19.2 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 44.951 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

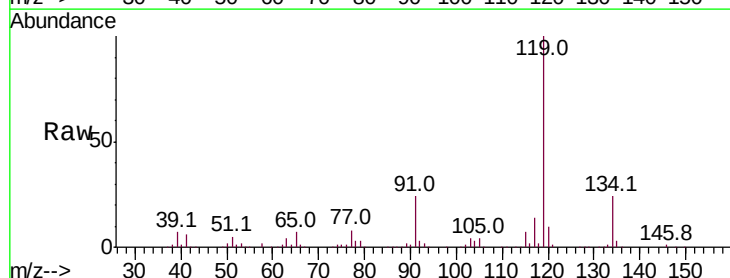
Tgt Ion:119 Resp: 921973

Ion Ratio Lower Upper

119 100

134 23.9 12.8 38.3

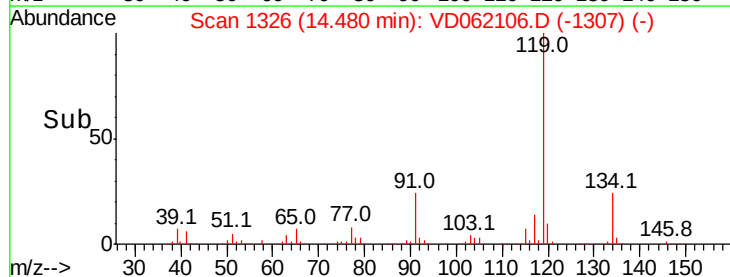
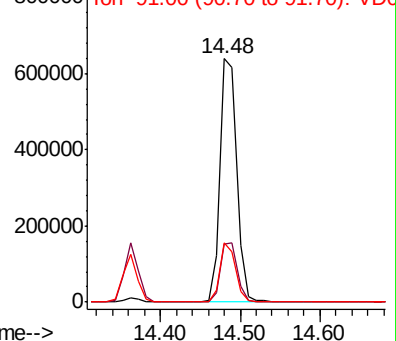
91 24.2 10.7 32.1

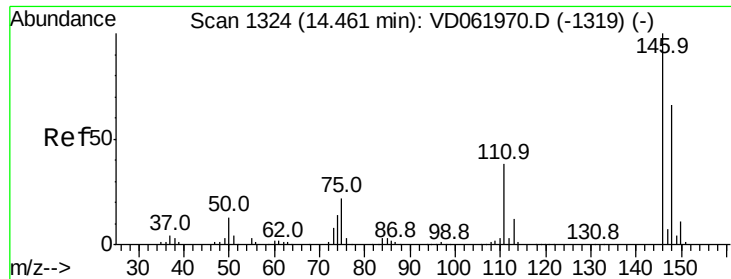


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

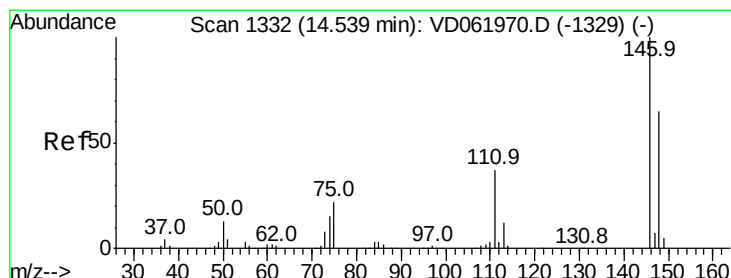
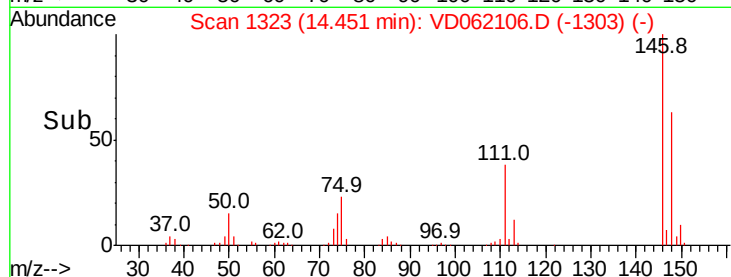
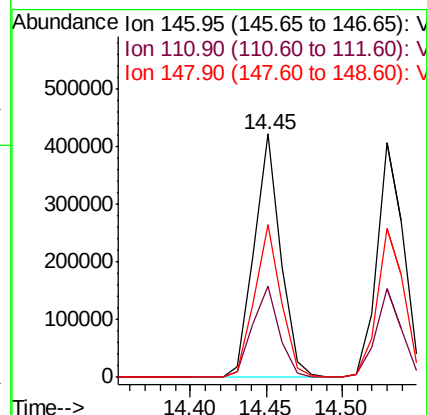
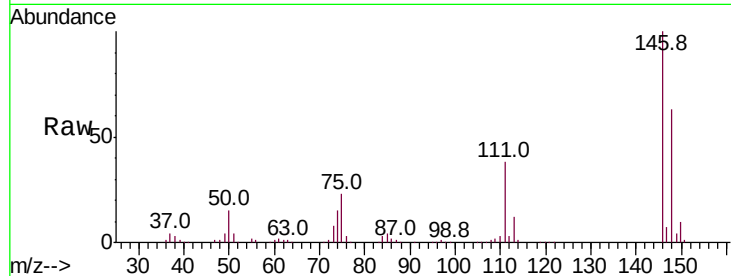




#87
 1,3-Dichlorobenzene
 Concen: 44.862 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD062106.D
 Acq: 1 May 2019 18:24

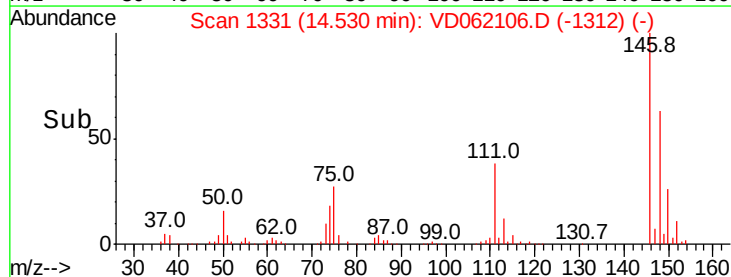
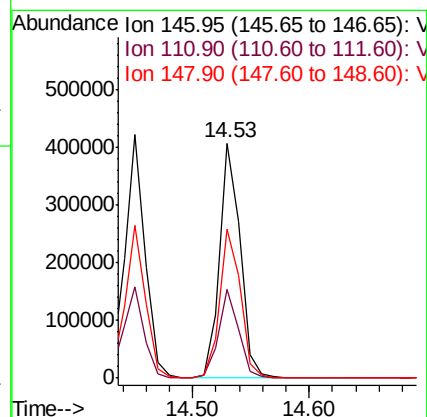
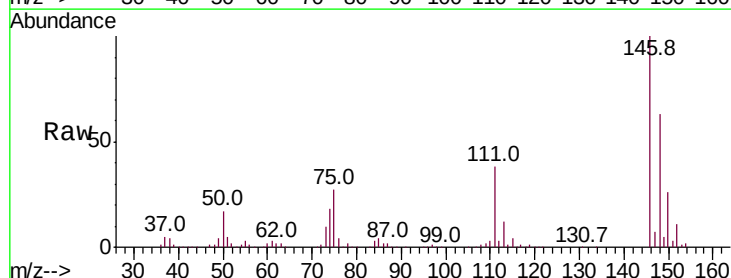
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

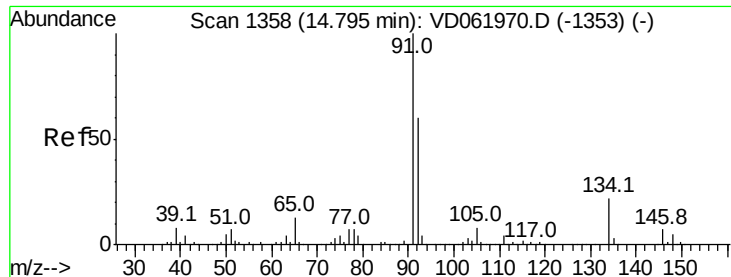
Tot Ion:146 Resp: 517492
 Ion Ratio Lower Upper
 146 100
 111 37.7 20.0 60.0
 148 62.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 46.435 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062106.D
 Acq: 1 May 2019 18:24

Tgt Ion:146 Resp: 500922
 Ion Ratio Lower Upper
 146 100
 111 37.9 20.2 60.5
 148 63.2 32.0 96.2





#89

n-Butylbenzene

Concen: 39.126 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD062106.D

Acq: 1 May 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

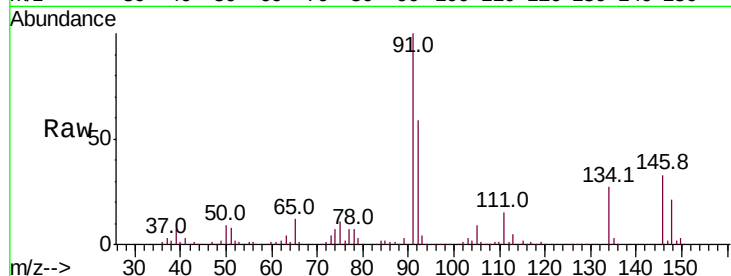
Tot Ion: 91 Resp: 720468

Ion Ratio Lower Upper

91 100

92 59.5 30.3 91.0

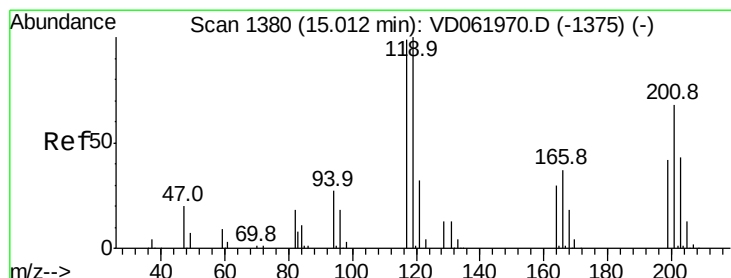
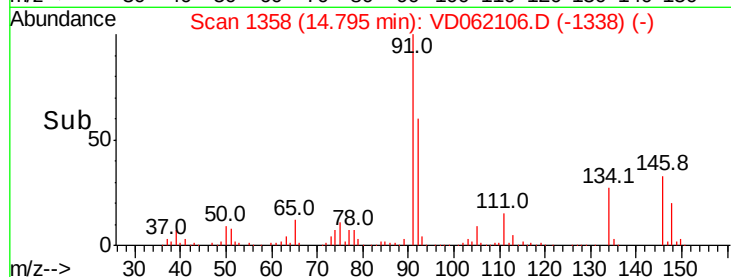
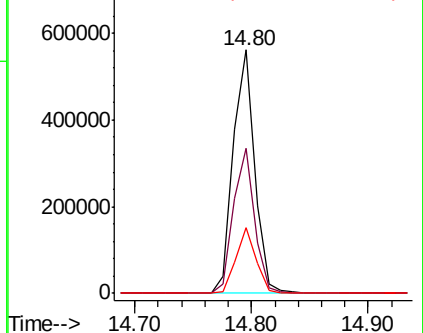
134 26.9 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 45.656 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD062106.D

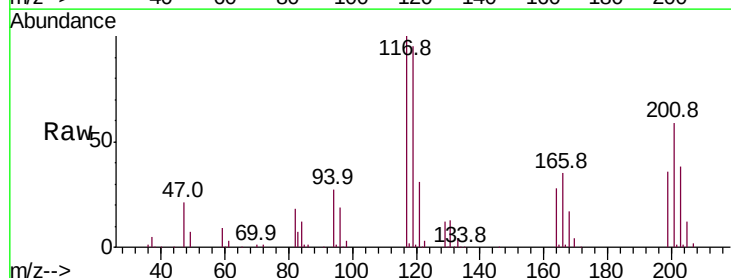
Acq: 1 May 2019 18:24

Tgt Ion: 117 Resp: 253216

Ion Ratio Lower Upper

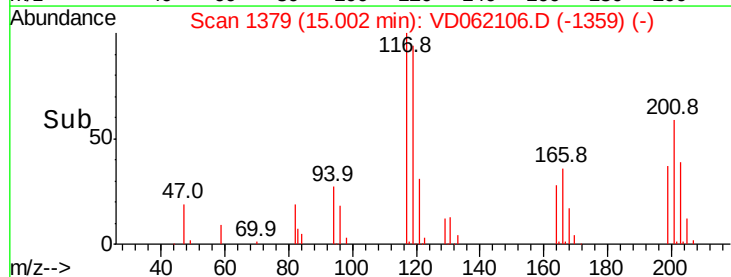
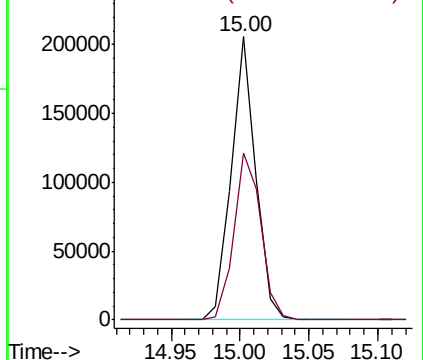
117 100

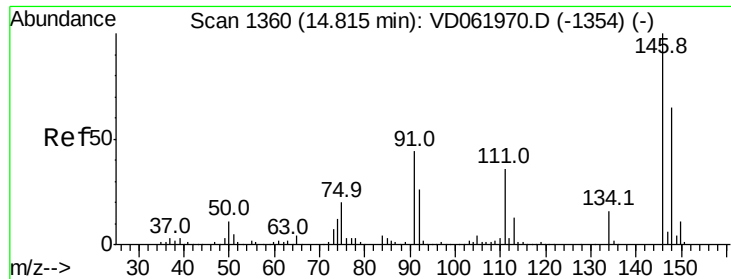
201 58.8 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

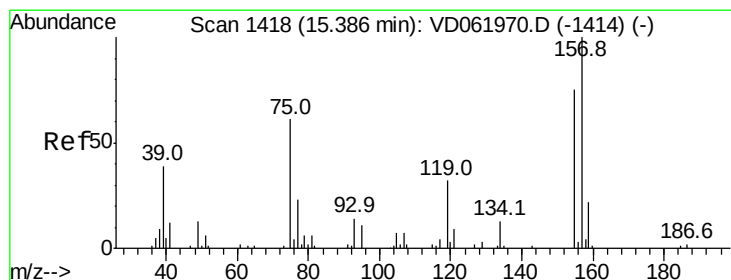
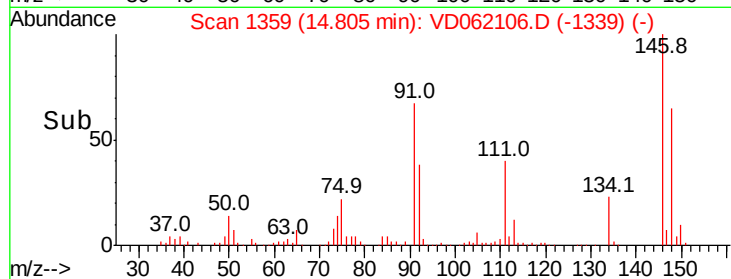
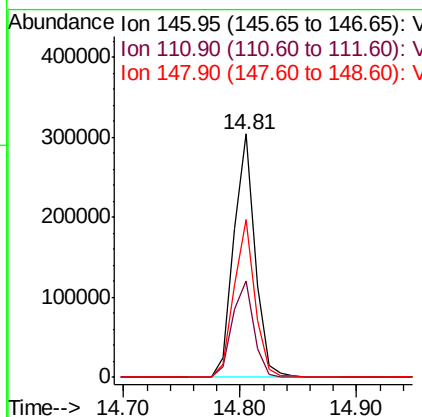
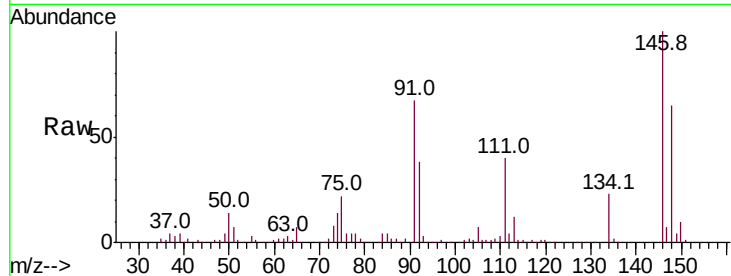




#91
 1,2-Dichlorobenzene
 Concen: 40.638 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD062106.D
 Acq: 1 May 2019 18:24

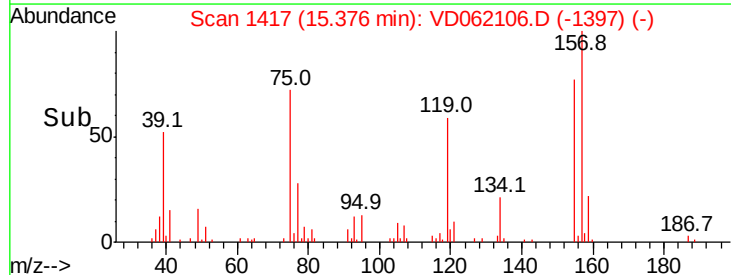
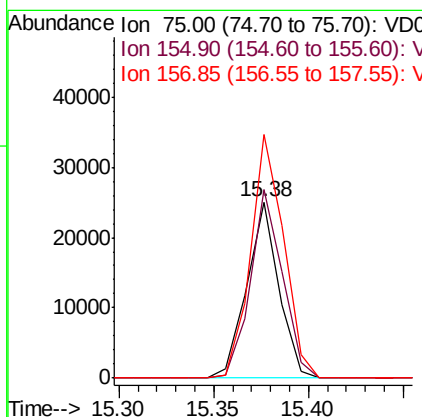
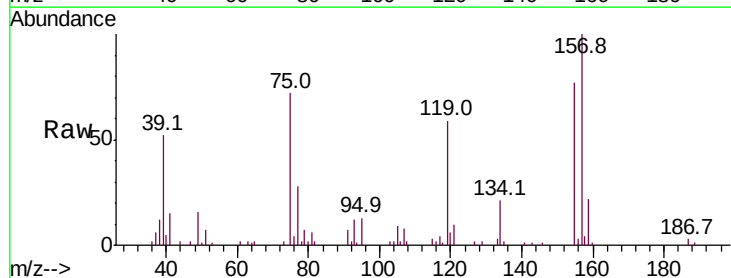
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

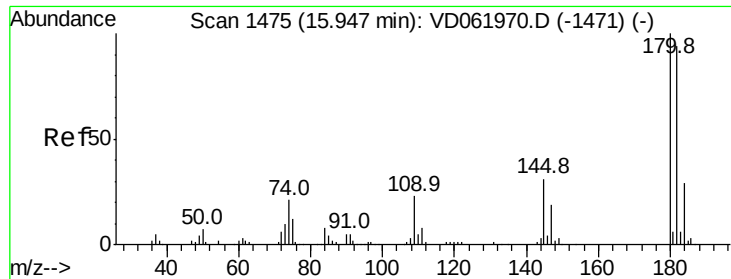
Tot Ion:146 Resp: 386680
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.0 59.9
 148 64.9 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.186 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD062106.D
 Acq: 1 May 2019 18:24

Tgt Ion: 75 Resp: 29160
 Ion Ratio Lower Upper
 75 100
 155 106.9 55.3 165.8
 157 138.5 67.8 203.2

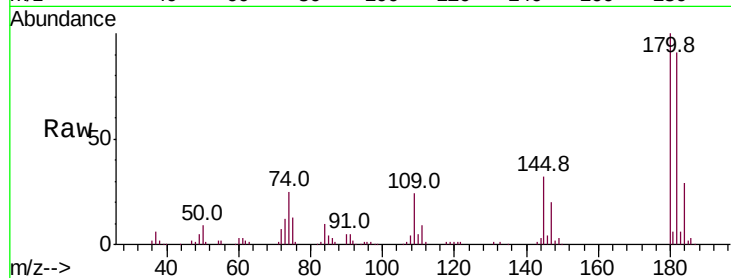




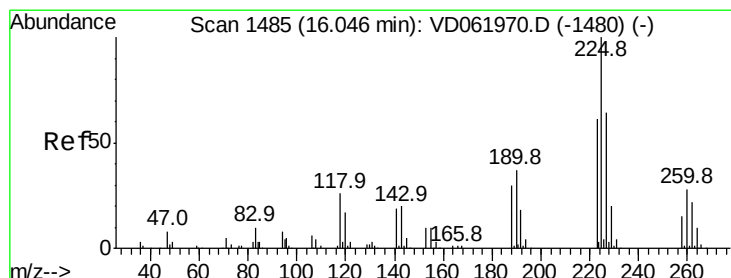
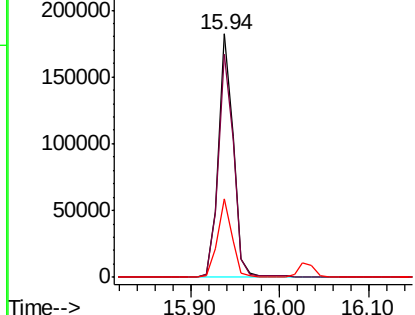
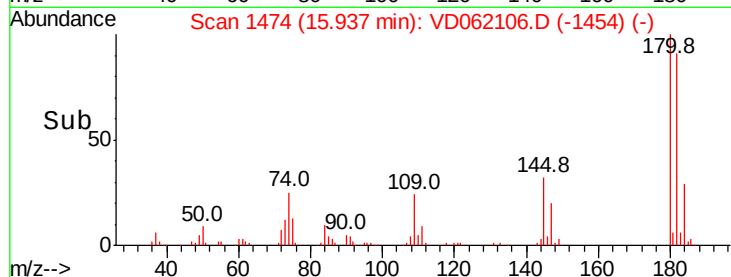
#93
 1,2,4-Trichlorobenzene
 Concen: 41.771 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD062106.D
 Acq: 1 May 2019 18:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.5	49.3	147.8
145	32.3	16.2	48.6

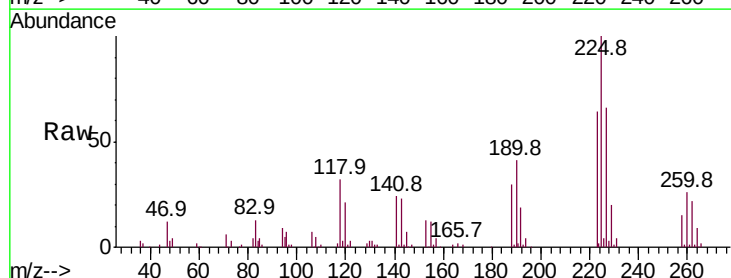


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

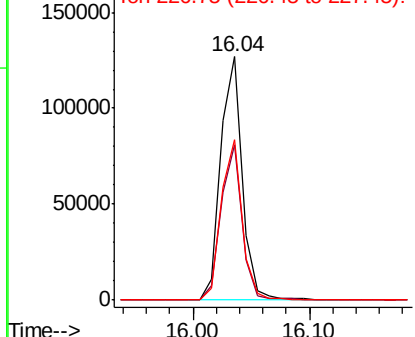
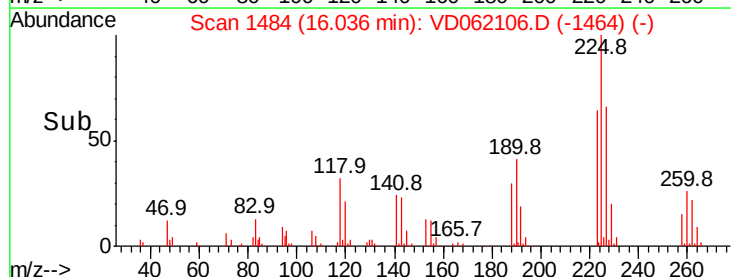


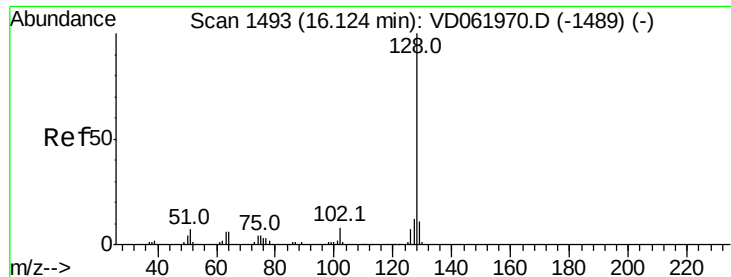
#94
 Hexachlorobutadiene
 Concen: 42.639 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062106.D
 Acq: 1 May 2019 18:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	30.6	92.0
227	65.8	32.0	96.2



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

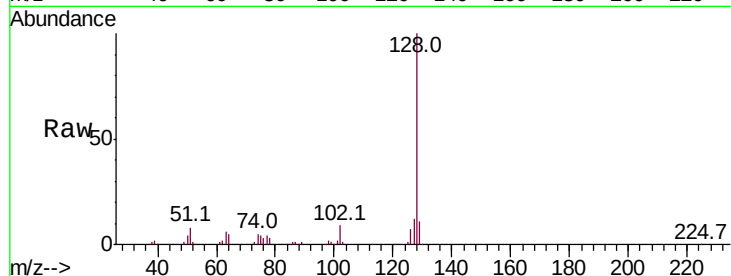




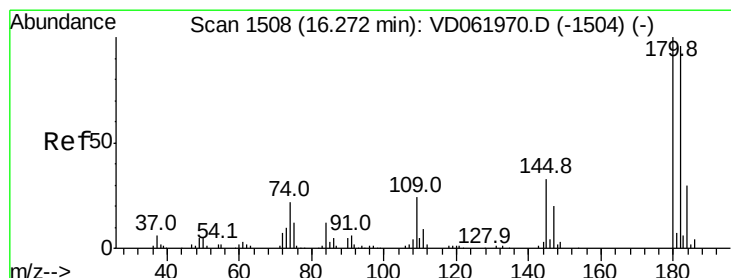
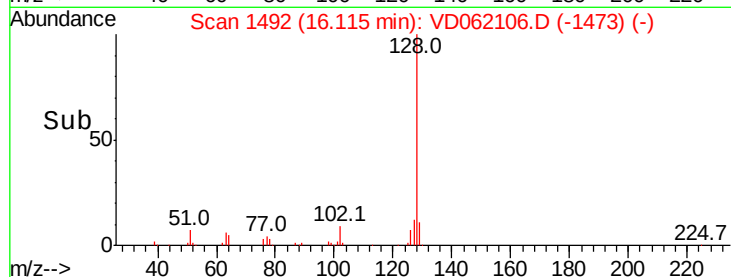
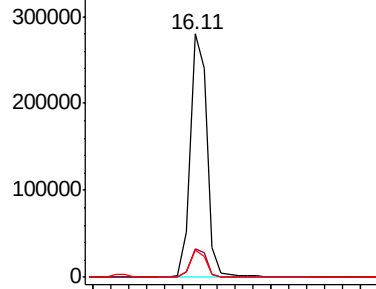
#95
Naphthalene
Concen: 44.512 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 368977
Ion Ratio Lower Upper
128 100
127 11.8 9.8 14.8
129 11.3 8.8 13.2

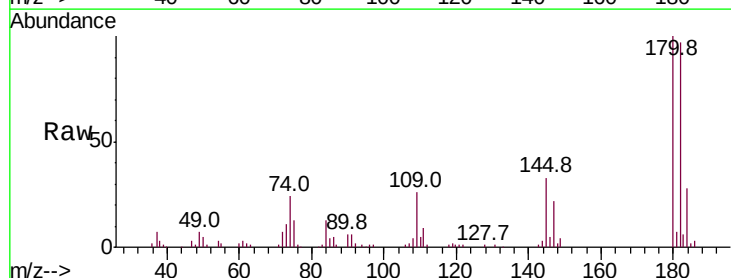


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 41.644 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD062106.D
Acq: 1 May 2019 18:24

Tgt Ion:180 Resp: 121308
Ion Ratio Lower Upper
180 100
182 96.5 47.0 141.0
145 33.1 17.0 51.0



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

