

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031419\
 Data File : VD061058.D
 Acq On : 14 Mar 2019 11:49
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 15 02:09:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	745146	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	1295810	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	1015371	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	470563	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	293703	47.35	ug/l	0.01
Spiked Amount			Recovery	=	94.70%	
35) Dibromofluoromethane	6.93	113	461972	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
50) Toluene-d8	10.41	98	1057930	43.81	ug/l	0.01
Spiked Amount			Recovery	=	87.62%	
62) 4-Bromofluorobenzene	13.55	95	394119	42.06	ug/l	0.00
Spiked Amount			Recovery	=	84.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	329434	44.632	ug/l	100
3) Chloromethane	1.76	50	289546	47.090	ug/l	98
4) Vinyl Chloride	1.86	62	256651	45.172	ug/l	97
5) Bromomethane	2.16	94	55288	56.285	ug/l	92
6) Chloroethane	2.28	64	88460	52.016	ug/l #	89
7) Trichlorofluoromethane	2.55	101	414618	50.799	ug/l	93
8) Diethyl Ether	2.88	74	135520	50.331	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.17	101	462126	50.644	ug/l	96
10) Methyl Iodide	3.32	142	617816	49.213	ug/l	97
11) Tert butyl alcohol	4.06	59	95128	240.914	ug/l	97
12) 1,1-Dichloroethene	3.14	96	374300	50.042	ug/l	94
13) Acrolein	3.04	56	148635	260.157	ug/l	94
14) Allyl chloride	3.63	41	545808	45.607	ug/l	97
15) Acrylonitrile	4.20	53	319923	229.242	ug/l	98
16) Acetone	3.23	43	500397	282.128	ug/l	97
17) Carbon Disulfide	3.39	76	1192863	47.277	ug/l	99
18) Methyl Acetate	3.65	43	181477	51.991	ug/l	93
19) Methyl tert-butyl Ether	4.24	73	617239	47.087	ug/l	97
20) Methylene Chloride	3.83	84	386095	47.509	ug/l	94
21) trans-1,2-Dichloroethene	4.23	96	372835	46.053	ug/l	95
22) Diisopropyl ether	5.13	45	1182075	47.581	ug/l	99
23) Vinyl Acetate	5.07	43	3094225	242.622	ug/l	100
24) 1,1-Dichloroethane	5.00	63	666165	48.940	ug/l	99
25) 2-Butanone	6.07	43	534239	265.446	ug/l	99
26) 2,2-Dichloropropane	6.03	77	554231	52.157	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	448239	52.184	ug/l	93
28) Bromochloromethane	6.45	49	279872	48.568	ug/l	96
29) Tetrahydrofuran	6.46	42	249310	228.129	ug/l	96
30) Chloroform	6.67	83	678176	48.072	ug/l	100
31) Cyclohexane	6.97	56	540216	49.220	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	617120	50.598	ug/l	98
36) 1,1-Dichloropropene	7.16	75	493608	44.192	ug/l	99
37) Ethyl Acetate	6.18	43	221606	42.279	ug/l #	97
38) Carbon Tetrachloride	7.12	117	615093	49.992	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	515163	44.479	ug/l	99
40) Benzene	7.46	78	1305206	46.764	ug/l	98
41) Methacrylonitrile	6.45	41	268707	44.570	ug/l	96
42) 1,2-Dichloroethane	7.59	62	375271	46.333	ug/l	99
43) Isopropyl Acetate	9.24	43	344824	47.498	ug/l	99
44) Trichloroethene	8.54	130	463040	48.089	ug/l	97
45) 1,2-Dichloropropane	8.94	63	331424	45.198	ug/l	100
46) Dibromomethane	9.07	93	224765	48.323	ug/l	96
47) Bromodichloromethane	9.38	83	512780	48.855	ug/l	99
48) Methyl methacrylate	9.12	41	205219	50.207	ug/l	98
49) 1,4-Dioxane	9.09	88	40560	981.324	ug/l	96
51) 4-Methyl-2-Pentanone	10.31	43	1034132	232.520	ug/l	96
52) Toluene	10.51	92	806863	46.490	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	468448	48.809	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	561030	48.651	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	263457	45.582	ug/l	98
56) Ethyl methacrylate	11.04	69	290006	47.937	ug/l	97
57) 1,3-Dichloropropane	11.41	76	392828	45.481	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	663695	207.256	ug/l	98
59) 2-Hexanone	11.54	43	724291	222.631	ug/l	98
60) Dibromochloromethane	11.68	129	416713	48.989	ug/l	100
61) 1,2-Dibromoethane	11.81	107	313593	46.641	ug/l	98
64) Tetrachloroethene	11.26	164	334866	48.856	ug/l	97
65) Chlorobenzene	12.40	112	1016045	51.043	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	380398	53.612	ug/l	98
67) Ethyl Benzene	12.53	91	1525718	51.485	ug/l	98
68) m/p-Xylenes	12.67	106	1146010	98.528	ug/l	95
69) o-Xylene	13.05	106	539290	47.169	ug/l	97
70) Styrene	13.07	104	883599	47.329	ug/l	99
71) Bromoform	13.24	173	237619	51.913	ug/l	98
73) Isopropylbenzene	13.41	105	1462472	43.125	ug/l	99
74) N-amyl acetate	13.27	43	437652	45.832	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	308107	46.566	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	314350	46.433	ug/l	99
77) Bromobenzene	13.67	156	410616	47.432	ug/l	95
78) n-propylbenzene	13.78	91	1838862	46.318	ug/l	94
79) 2-Chlorotoluene	13.84	91	972656	44.501	ug/l	99
80) 1,3,5-Trimethylbenzene	14.24	105	1135283	44.097	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	92175	46.182	ug/l	97
82) 4-Chlorotoluene	13.95	91	1058577	40.968	ug/l	98
83) tert-Butylbenzene	14.19	119	1311063	46.533	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1135283	44.097	ug/l	98
85) sec-Butylbenzene	14.37	105	1505568	43.771	ug/l	98
86) p-Isopropyltoluene	14.49	119	1301903	46.306	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	750111	48.525	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	756768	49.819	ug/l	99
89) n-Butylbenzene	14.80	91	1178594	43.652	ug/l	96
90) Hexachloroethane	15.01	117	376891	47.473	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	595813	46.234	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.39	75	36697	46.025	ug/l	97

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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration

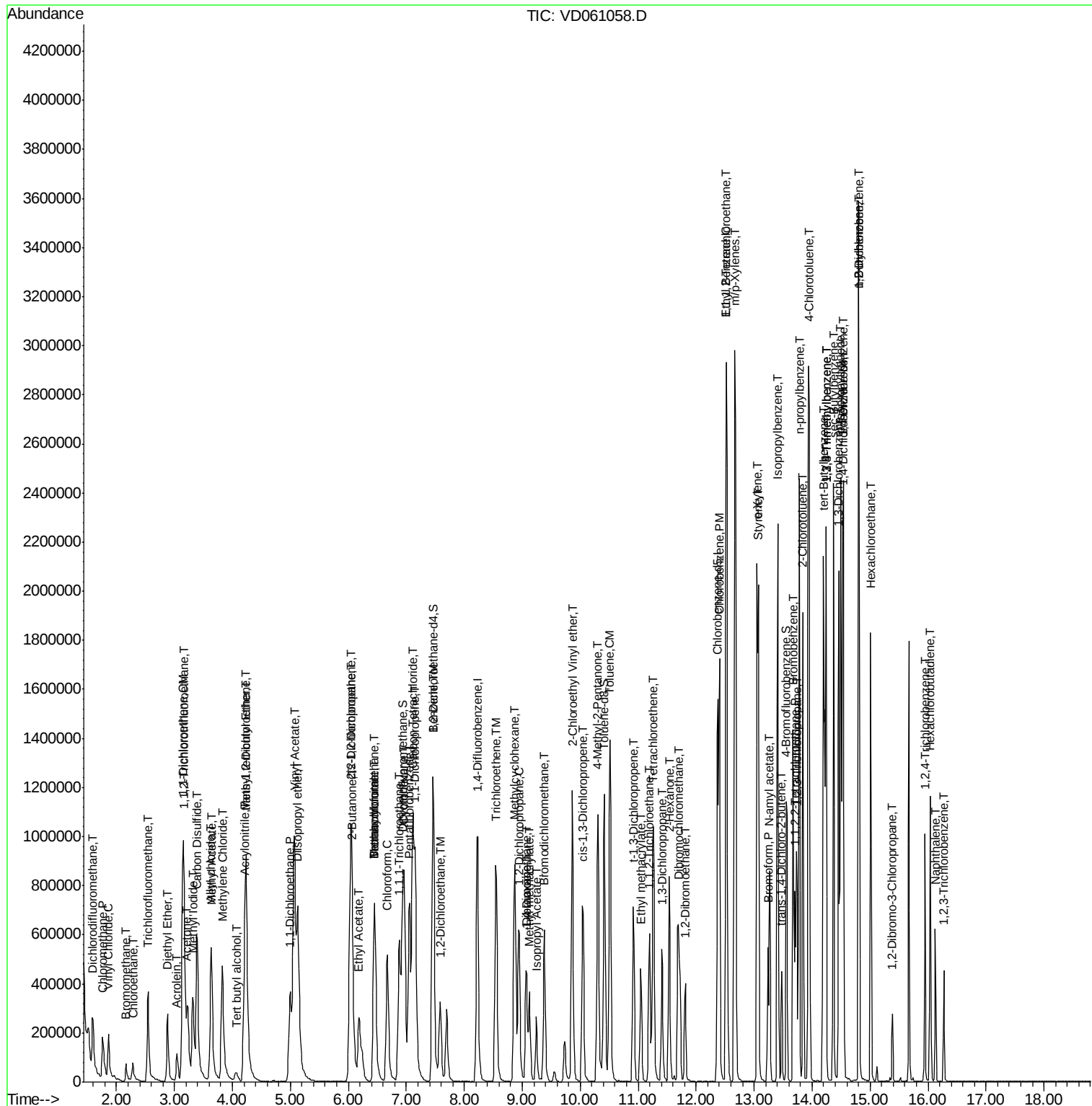
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	246457	41.226	ug/l	100
94) Hexachlorobutadiene	16.05	225	193254	42.738	ug/l	97
95) Naphthalene	16.12	128	374250	41.196	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	109176	36.976	ug/l	98

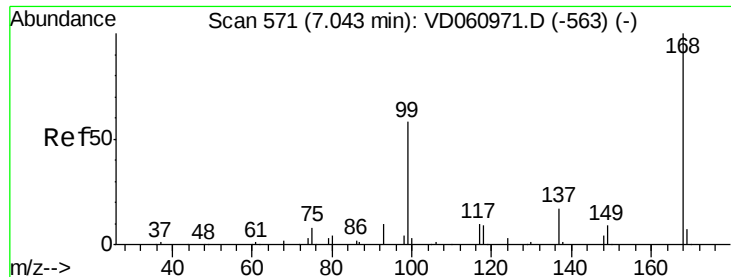
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

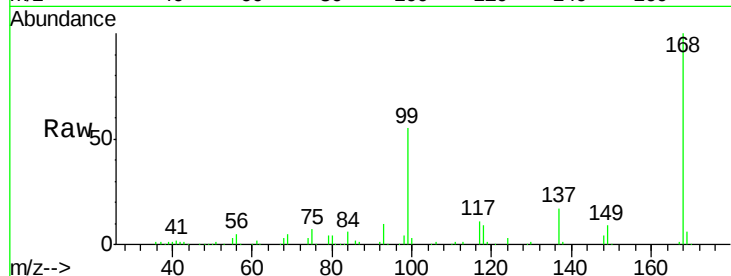
VSTDCCC050

Tot Ion:168 Resp: 745146

Ion Ratio Lower Upper

168 100

99 55.0 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

150000

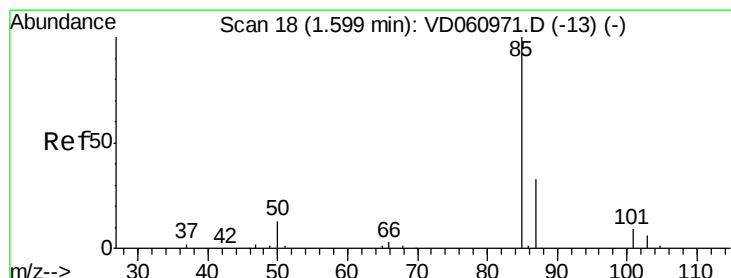
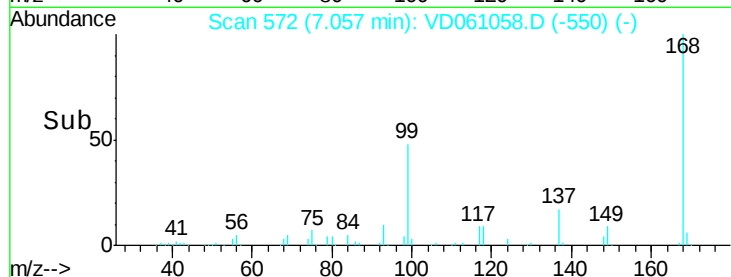
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 44.632 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD061058.D

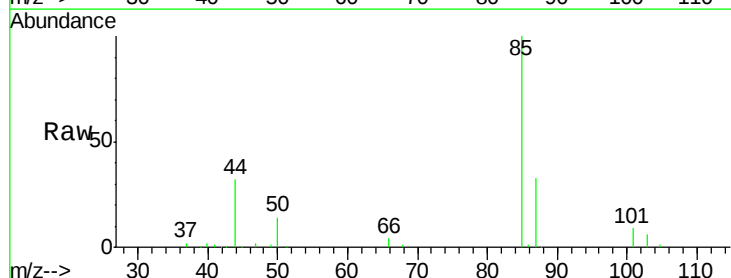
Acq: 14 Mar 2019 11:49

Tgt Ion: 85 Resp: 329434

Ion Ratio Lower Upper

85 100

87 33.0 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

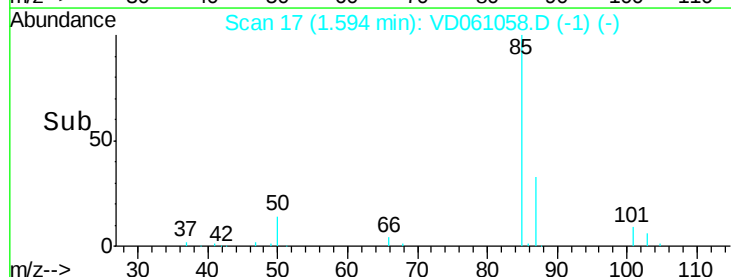
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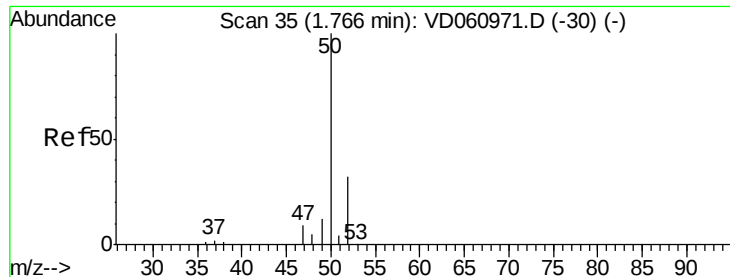
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 47.090 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

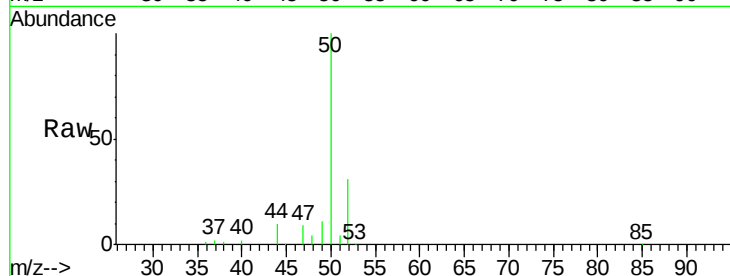
VSTDCCC050

Tot Ion: 50 Resp: 289546

Ion Ratio Lower Upper

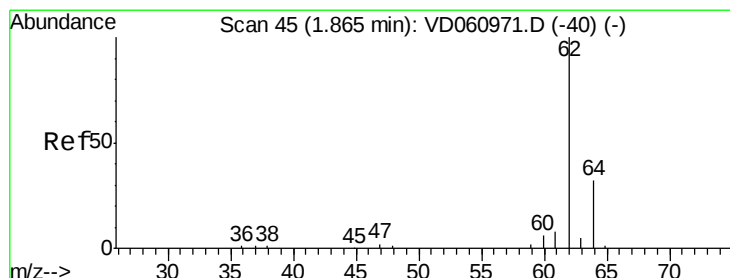
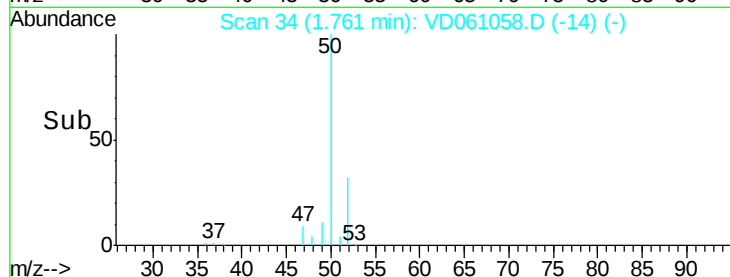
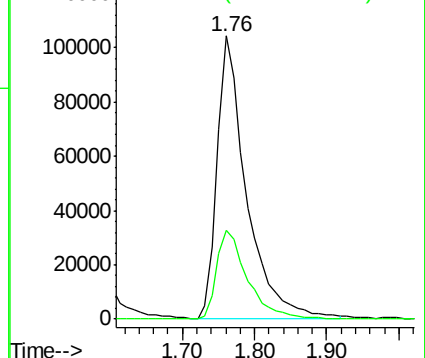
50 100

52 31.4 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.172 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061058.D

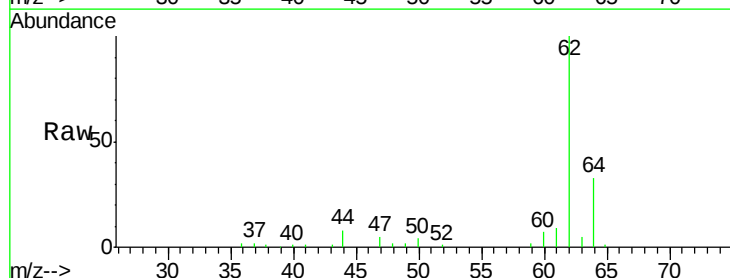
Acq: 14 Mar 2019 11:49

Tgt Ion: 62 Resp: 256651

Ion Ratio Lower Upper

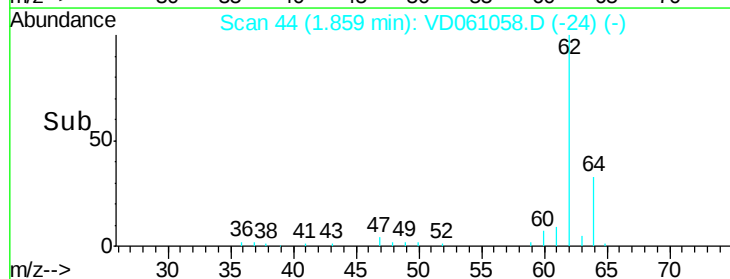
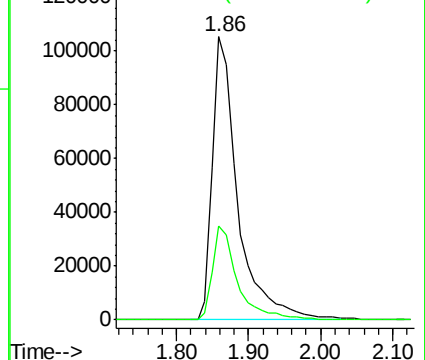
62 100

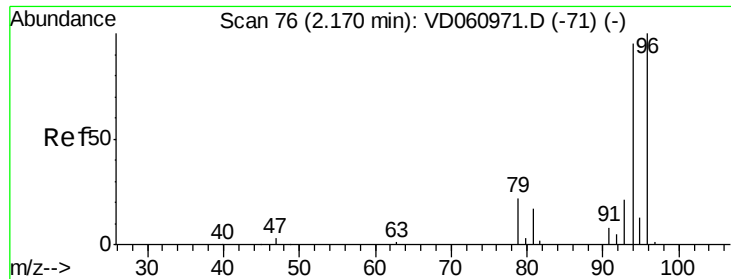
64 33.0 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 56.285 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.00 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

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ClientSampleId :

VSTDCCC050

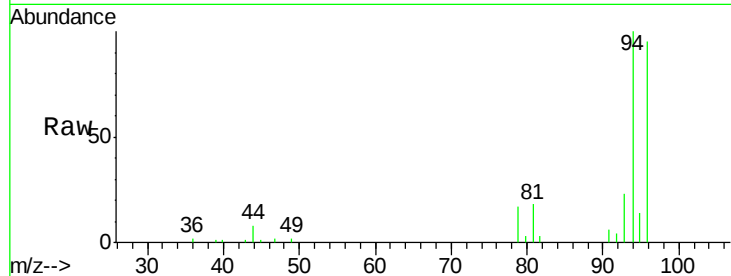
Tot Ion: 94 Resp: 55288

Ion Ratio Lower Upper

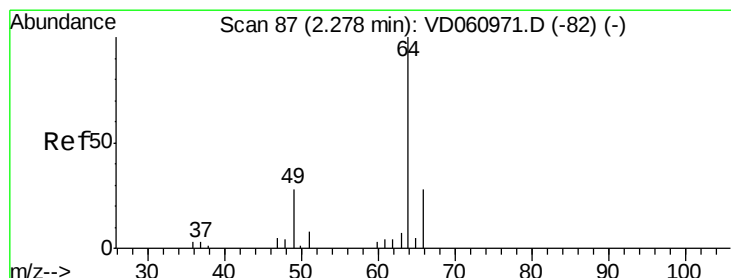
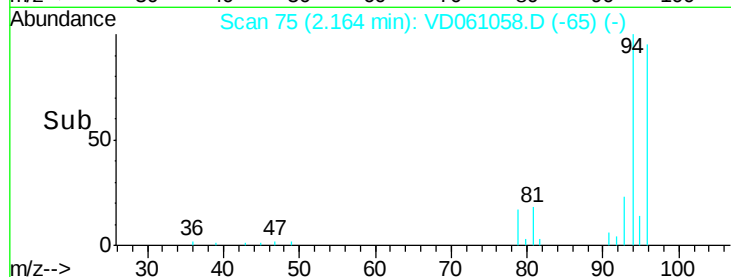
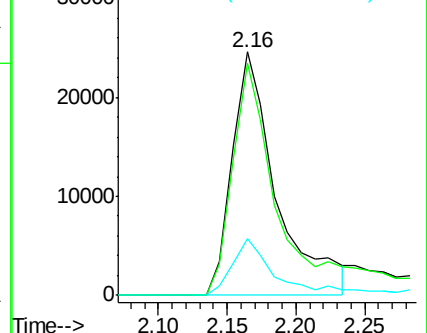
94 100

96 95.2 84.0 126.0

93 23.1 17.3 25.9



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: 52.016 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.00 min

Lab File: VD061058.D

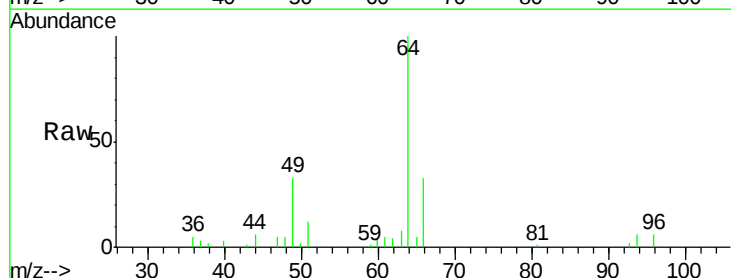
Acq: 14 Mar 2019 11:49

Tgt Ion: 64 Resp: 88460

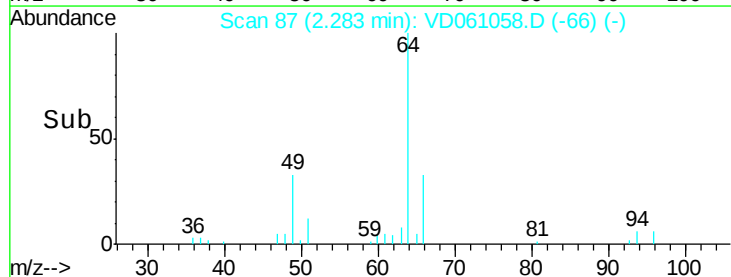
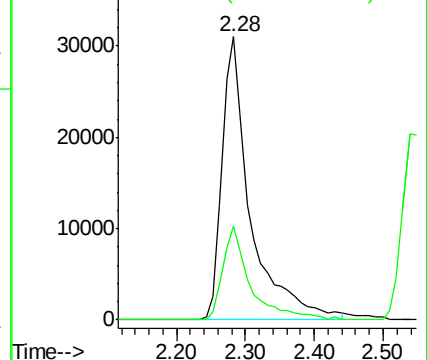
Ion Ratio Lower Upper

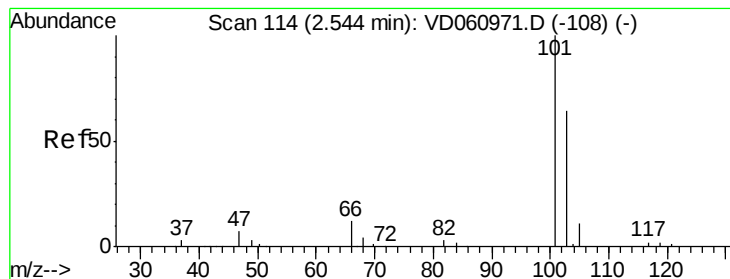
64 100

66 33.4 22.2 33.2#



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



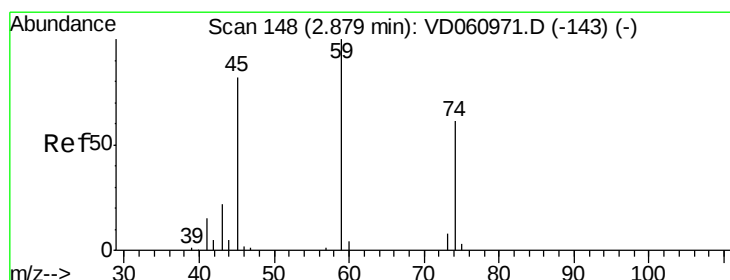
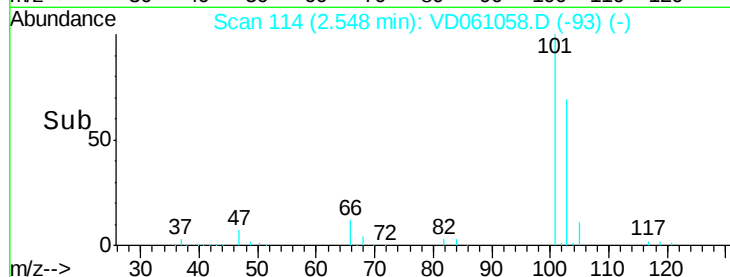
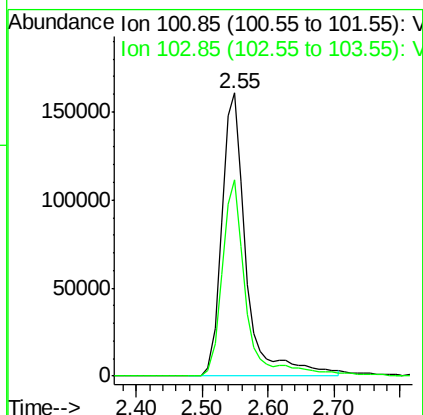
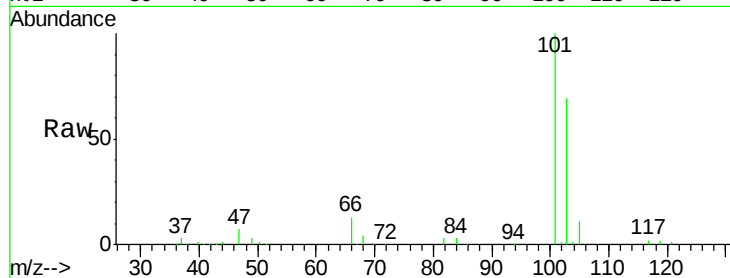


#7

Trichlorofluoromethane
 Concen: 50.799 ug/l
 RT: 2.55 min Scan# 114
 Delta R.T. 0.00 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

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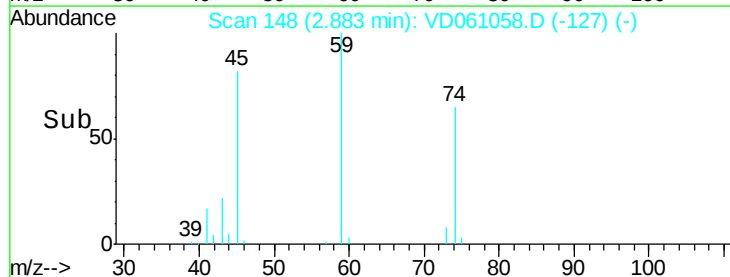
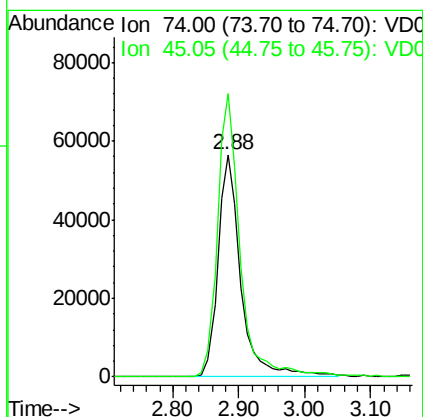
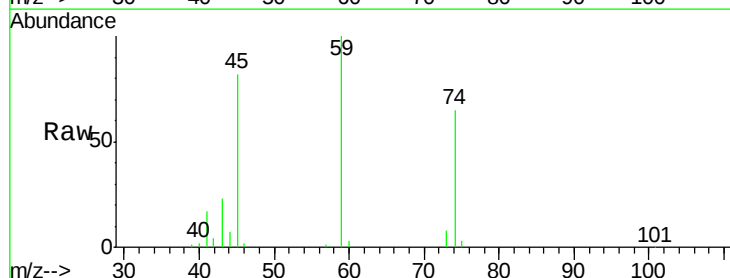
Tot Ion:101 Resp: 414618
 Ion Ratio Lower Upper
 101 100
 103 69.5 51.2 76.8

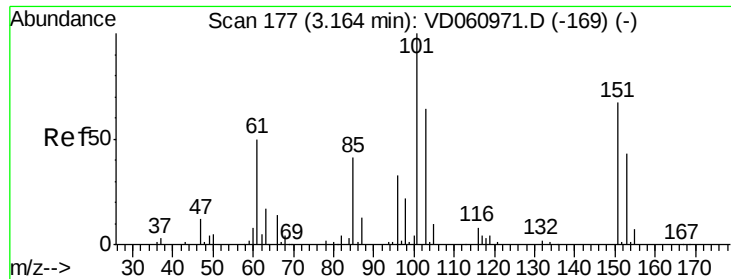


#8

Diethyl Ether
 Concen: 50.331 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

Tgt Ion: 74 Resp: 135520
 Ion Ratio Lower Upper
 74 100
 45 127.4 67.0 201.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.644 ug/l

RT: 3.17 min Scan# 177

Delta R.T. 0.00 min

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VSTDCCC050

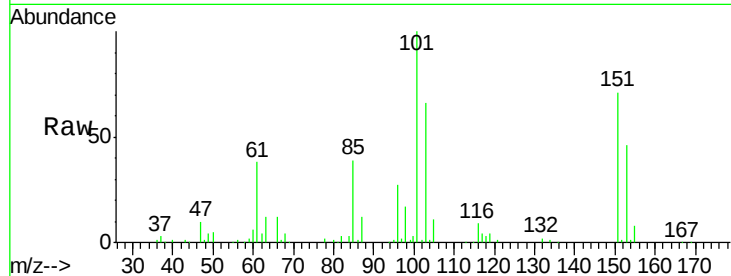
Tot Ion:101 Resp: 462126

Ion Ratio Lower Upper

101 100

85 39.3 32.5 48.7

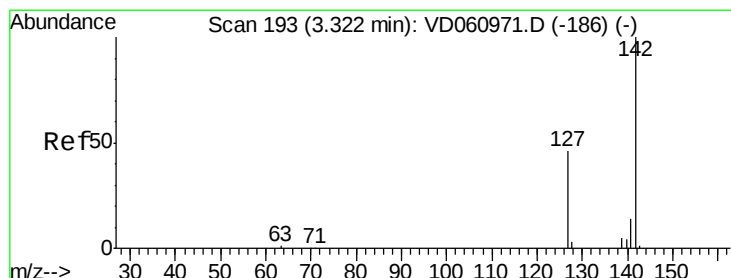
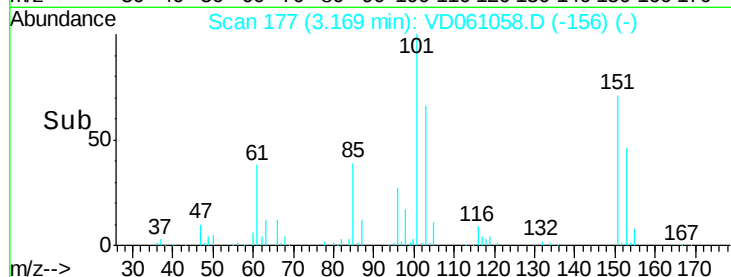
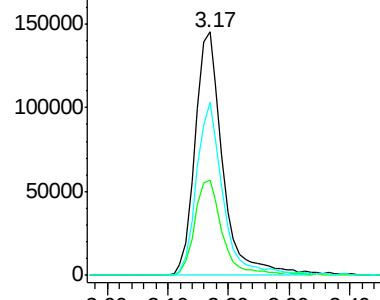
151 71.1 53.3 79.9



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: 49.213 ug/l

RT: 3.32 min Scan# 192

Delta R.T. -0.00 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

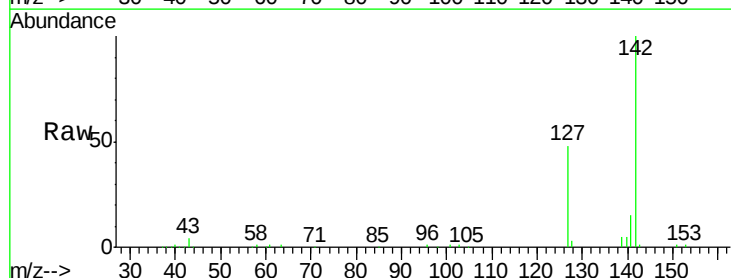
Tgt Ion:142 Resp: 617816

Ion Ratio Lower Upper

142 100

127 48.1 36.8 55.2

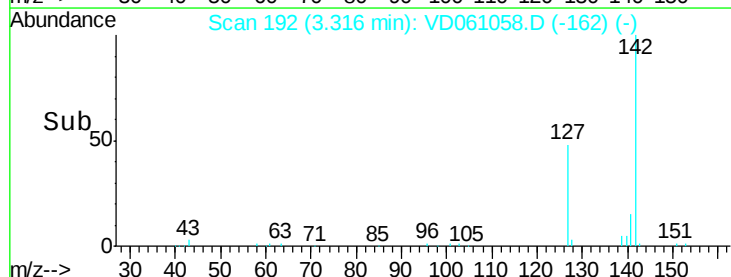
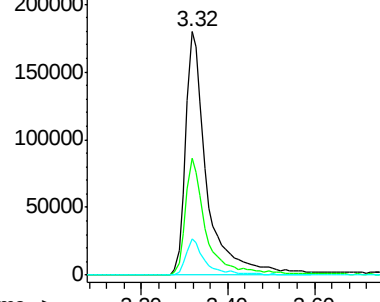
141 14.9 11.2 16.8

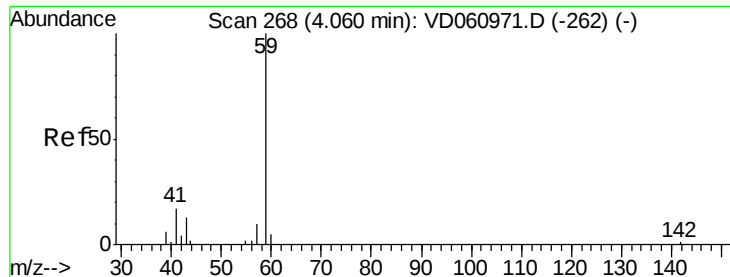


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



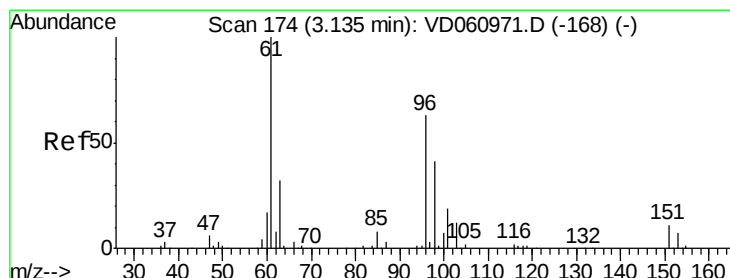
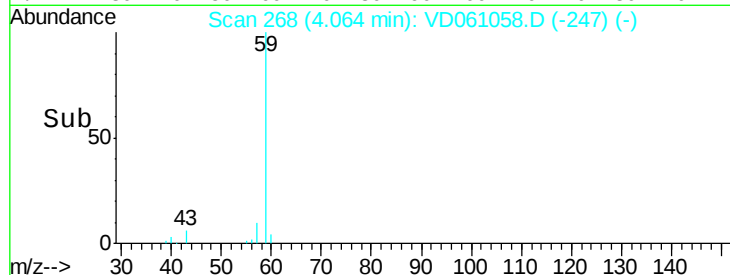
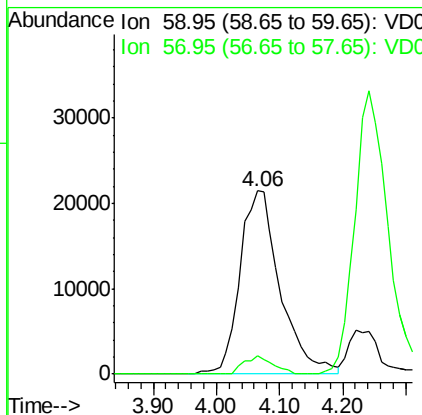
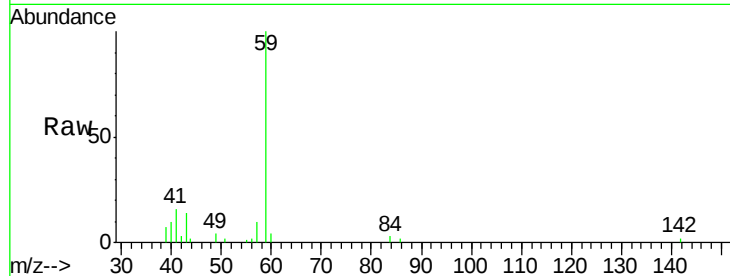


#11

Tert butyl alcohol
Concen: 240.914 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.00 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

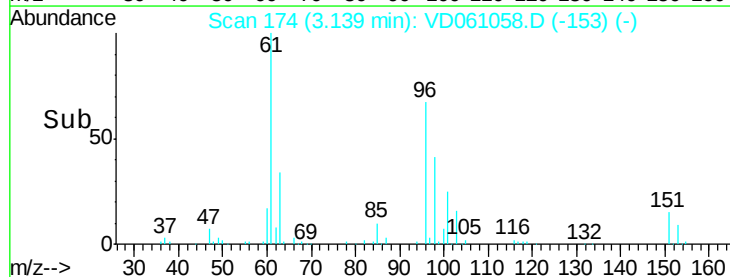
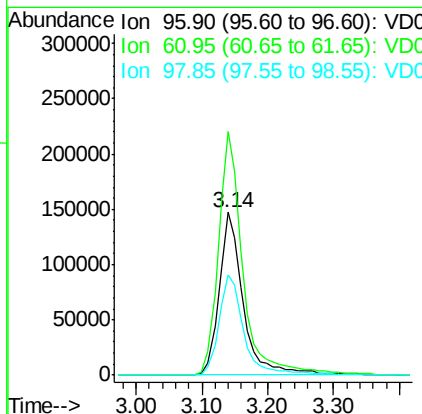
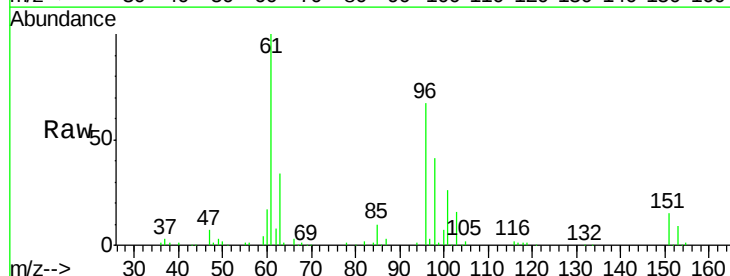
Tot Ion: 59 Resp: 95128
Ion Ratio Lower Upper
59 100
57 10.1 7.1 10.7

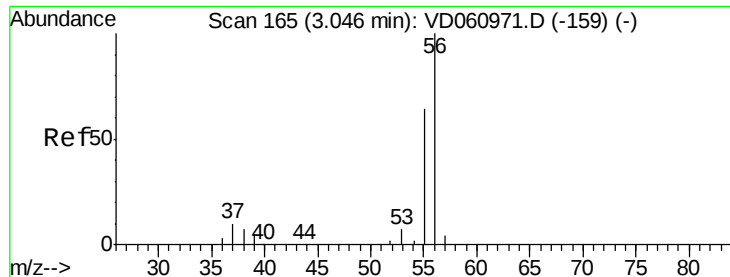


#12

1,1-Dichloroethene
Concen: 50.042 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.00 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

Tgt Ion: 96 Resp: 374300
Ion Ratio Lower Upper
96 100
61 149.8 127.1 190.7
98 62.1 51.5 77.3

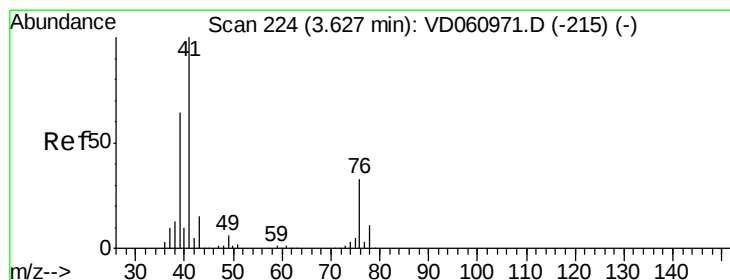
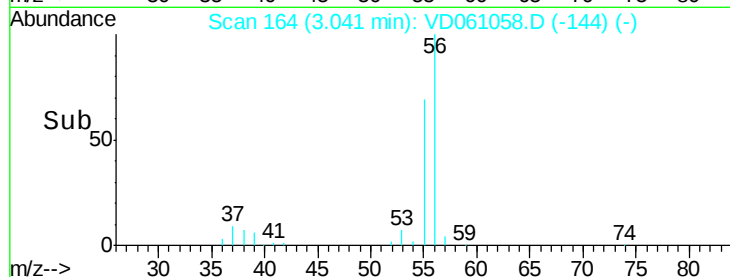
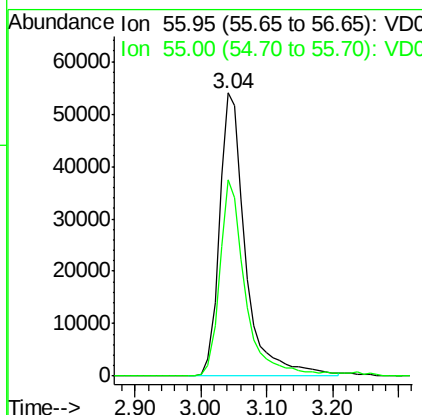
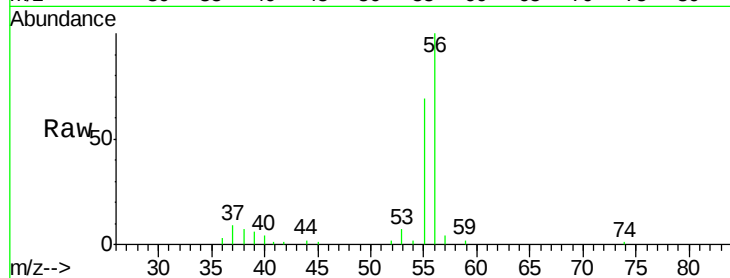




#13
Acrolein
Concen: 260.157 ug/l
RT: 3.04 min Scan# 164
Delta R.T. -0.01 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

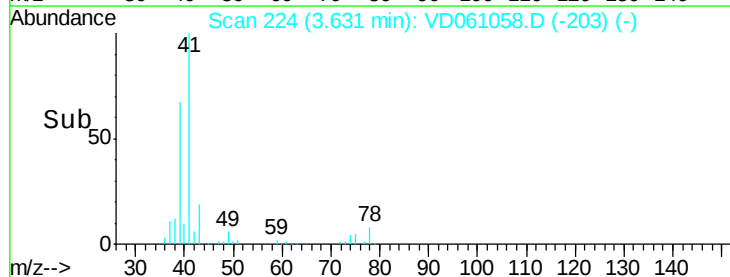
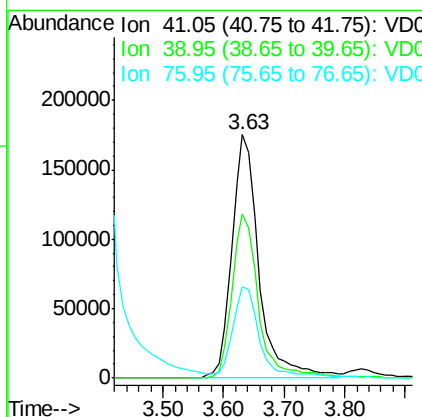
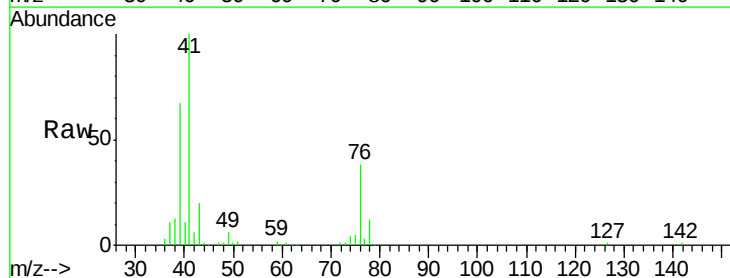
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

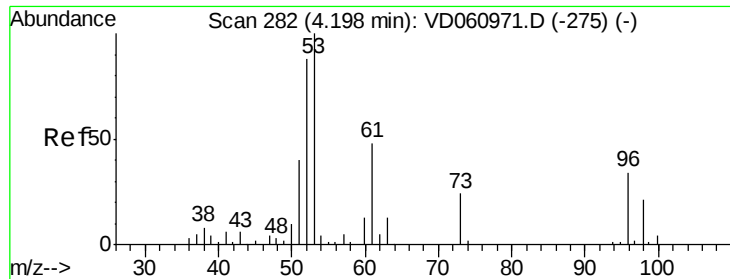
Tot Ion: 56 Resp: 148635
Ion Ratio Lower Upper
56 100
55 69.2 51.3 76.9



#14
Allyl chloride
Concen: 45.607 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

Tgt Ion: 41 Resp: 545808
Ion Ratio Lower Upper
41 100
39 67.3 51.1 76.7
76 37.5 29.1 43.7





#15

Acrylonitrile

Concen: 229.242 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

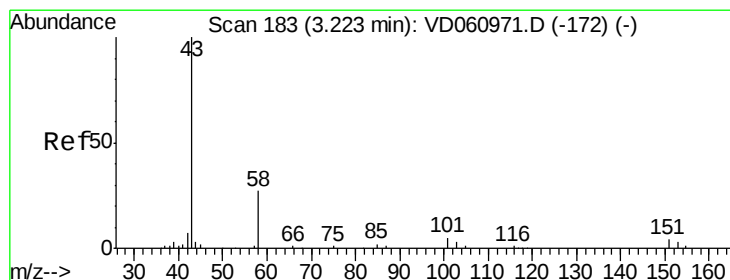
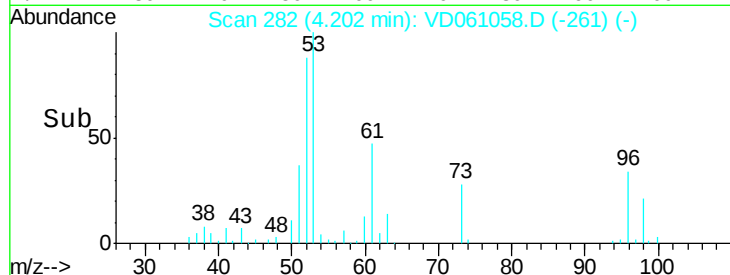
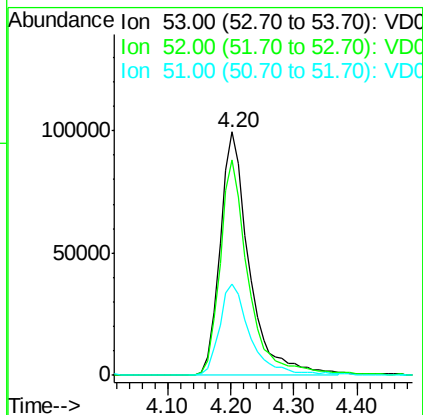
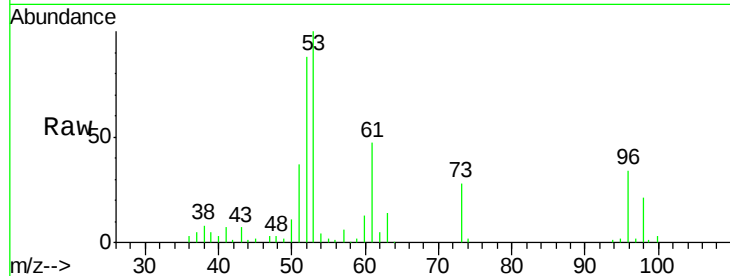
Tot Ion: 53 Resp: 319923

Ion Ratio Lower Upper

53 100

52 88.5 70.2 105.4

51 37.4 31.7 47.5



#16

Acetone

Concen: 282.128 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061058.D

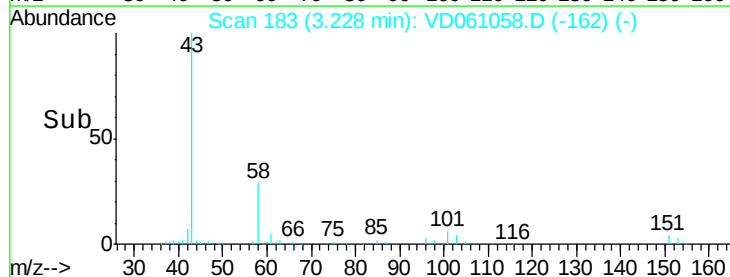
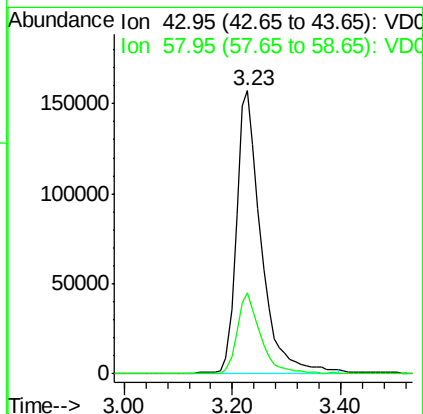
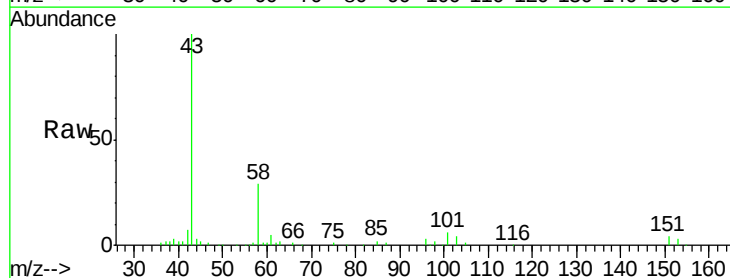
Acq: 14 Mar 2019 11:49

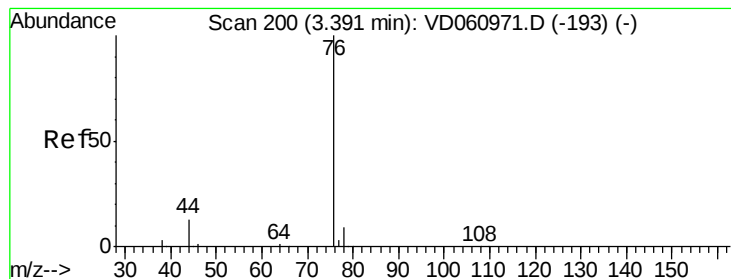
Tgt Ion: 43 Resp: 500397

Ion Ratio Lower Upper

43 100

58 28.8 21.6 32.4





#17

Carbon Disulfide

Concen: 47.277 ug/l

RT: 3.39 min Scan# 199

Delta R.T. -0.01 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

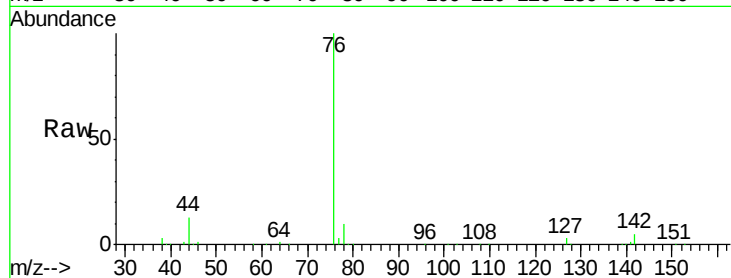
VSTDCCC050

Tot Ion: 76 Resp: 1192863

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.39

400000

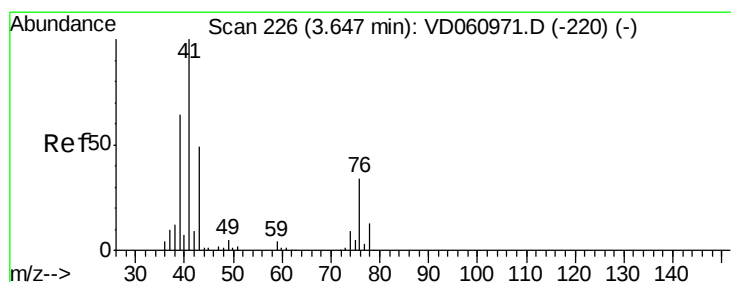
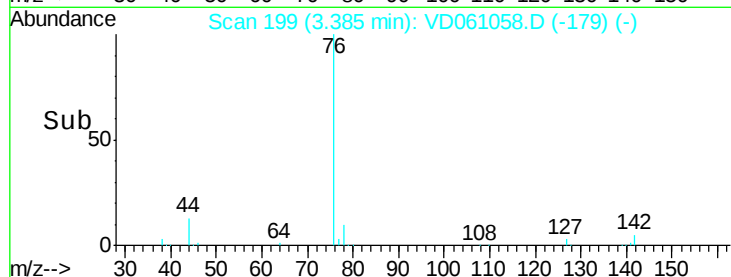
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 51.991 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD061058.D

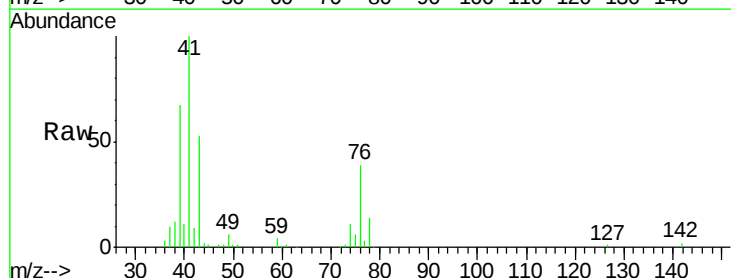
Acq: 14 Mar 2019 11:49

Tgt Ion: 43 Resp: 181477

Ion Ratio Lower Upper

43 100

74 21.3 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.65

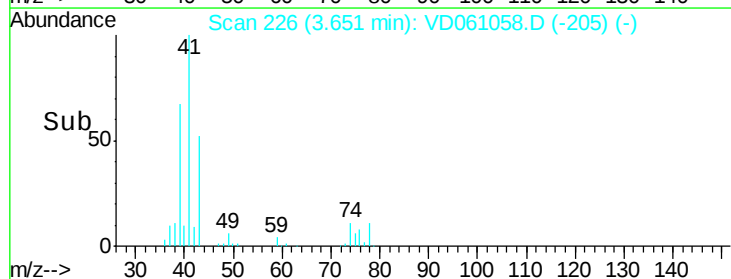
60000

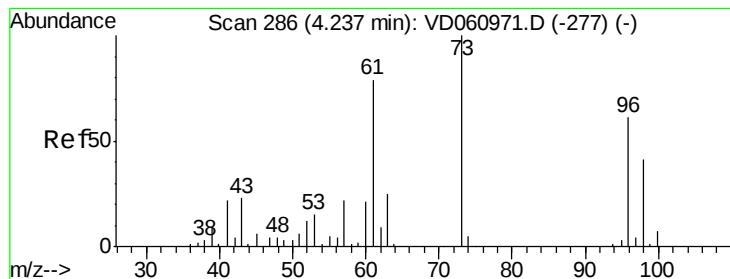
40000

20000

0

Time-->



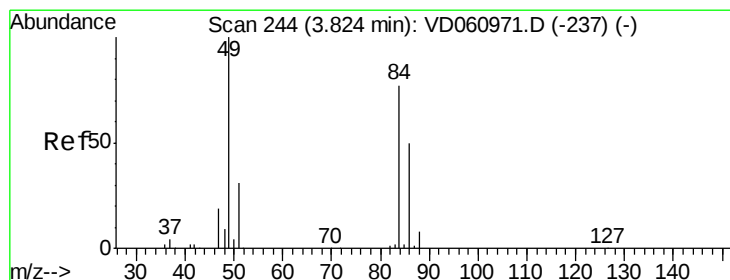
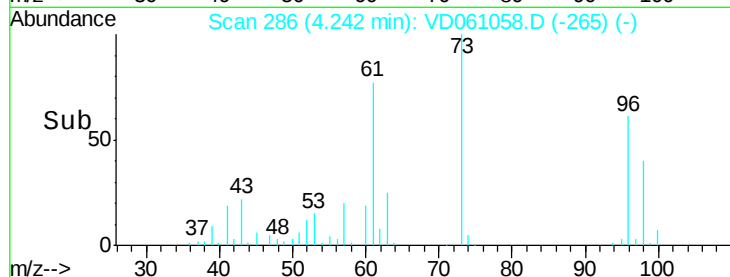
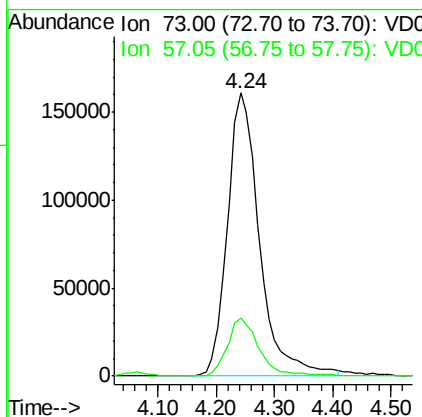
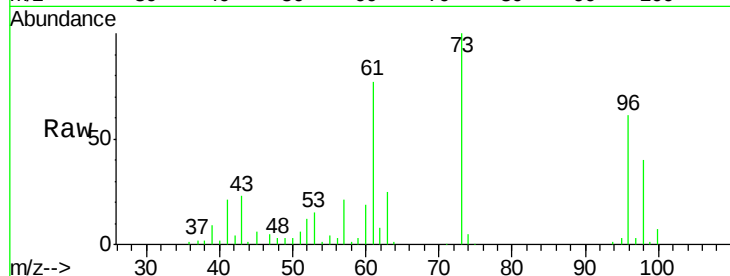


#19

Methyl tert-butyl Ether
 Concen: 47.087 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

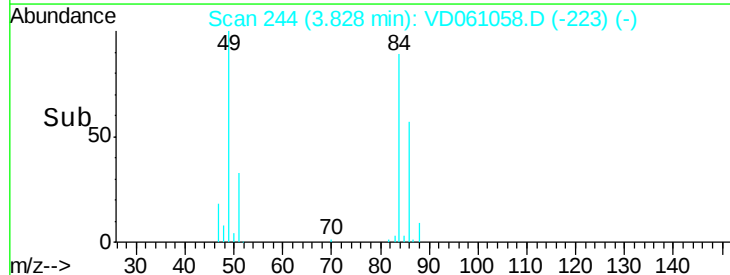
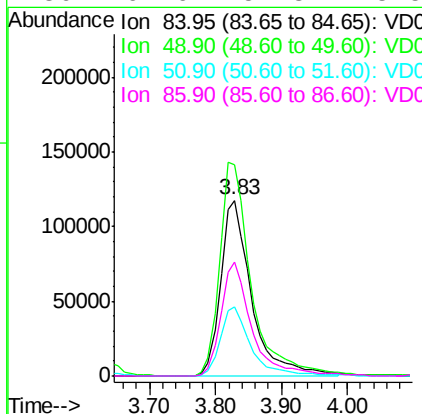
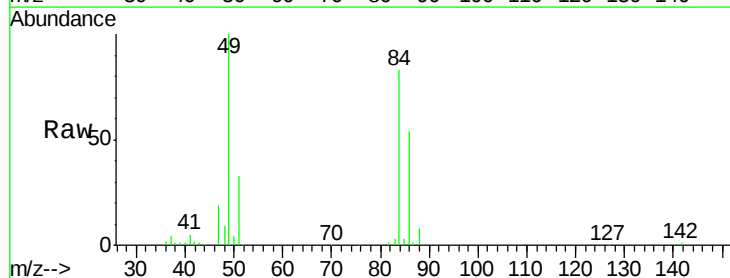
Tot Ion: 73 Resp: 617239
 Ion Ratio Lower Upper
 73 100
 57 20.6 17.7 26.5

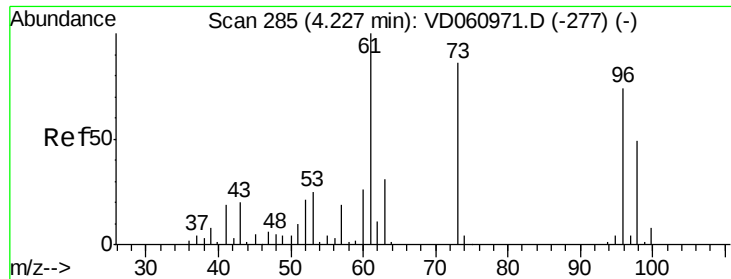


#20

Methylene Chloride
 Concen: 47.509 ug/l
 RT: 3.83 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

Tgt Ion: 84 Resp: 386095
 Ion Ratio Lower Upper
 84 100
 49 119.9 104.2 156.2
 51 39.1 32.3 48.5
 86 64.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 46.053 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

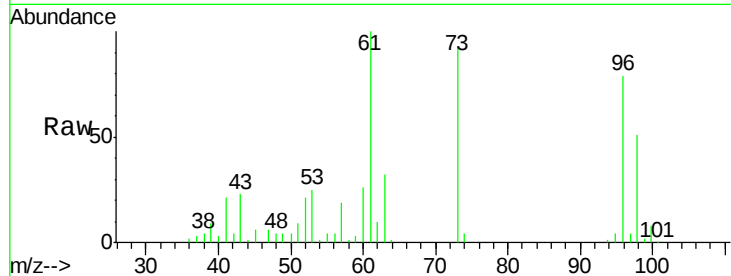
Tot Ion: 96 Resp: 372835

Ion Ratio Lower Upper

96 100

61 127.2 108.4 162.6

98 65.2 53.0 79.4

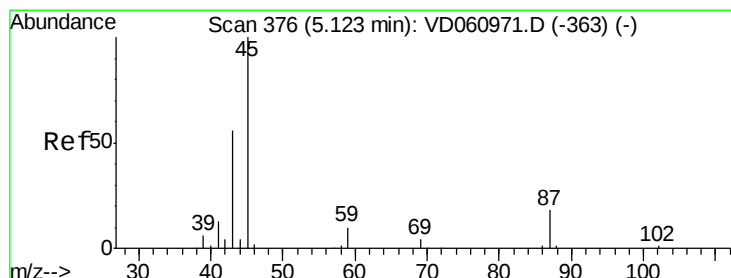
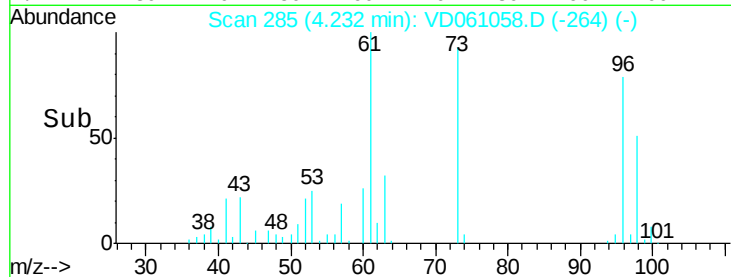
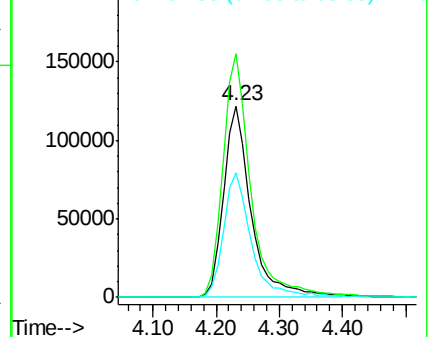


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 47.581 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Tgt Ion: 45 Resp: 1182075

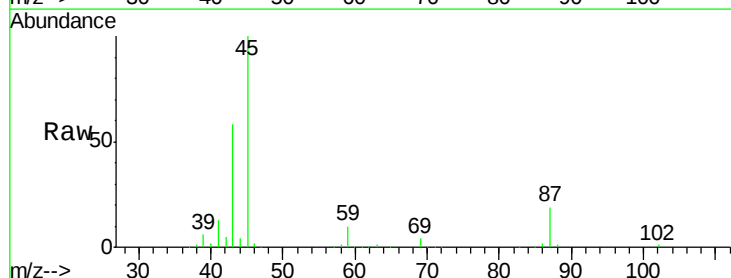
Ion Ratio Lower Upper

45 100

43 58.4 45.8 68.8

87 19.3 14.9 22.3

59 10.0 8.0 12.0



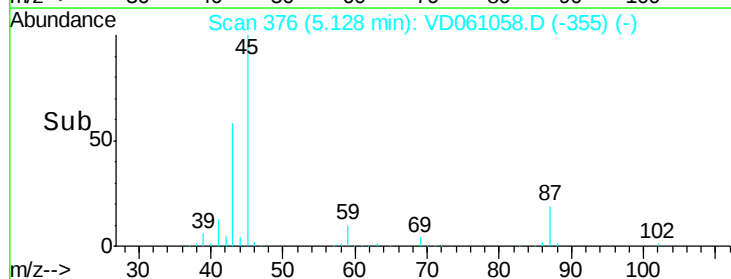
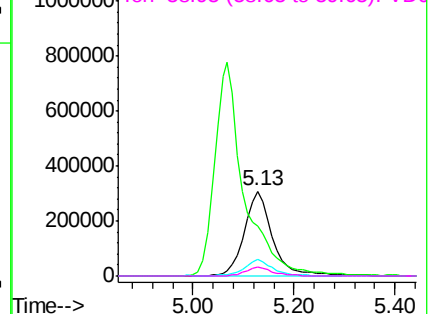
Abundance

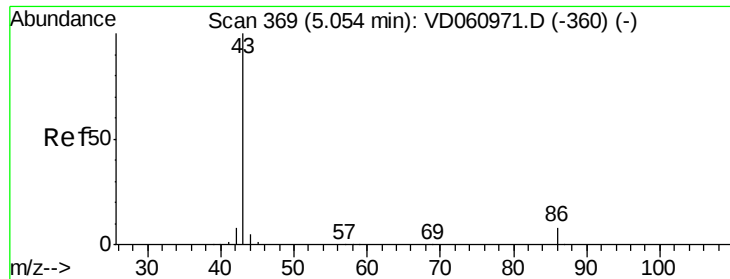
Ion 45.05 (44.75 to 45.75): VDC

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: 242.622 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

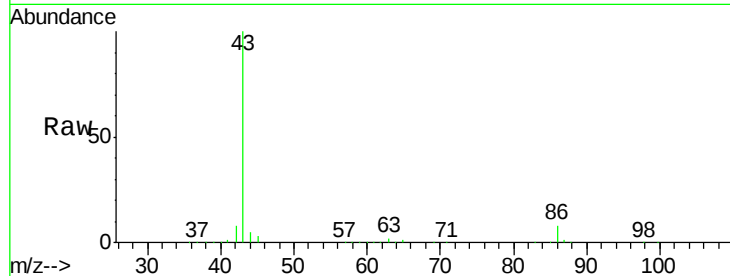
VSTDCCC050

Tot Ion: 43 Resp: 3094225

Ion Ratio Lower Upper

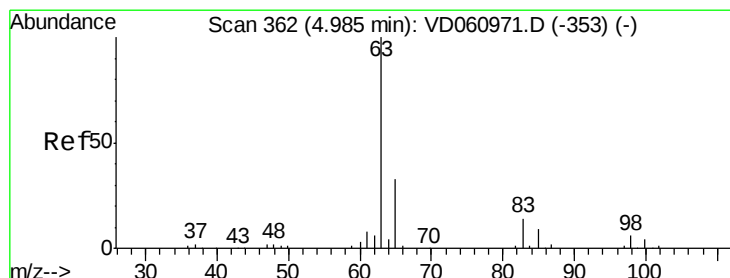
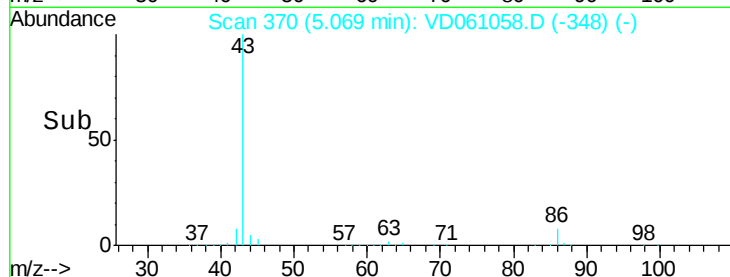
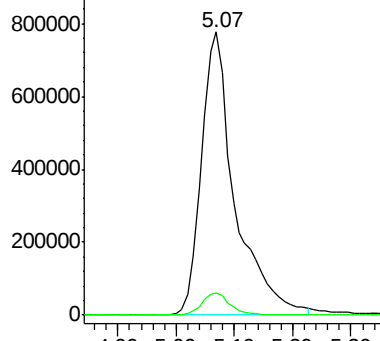
43 100

86 7.8 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.940 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.01 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

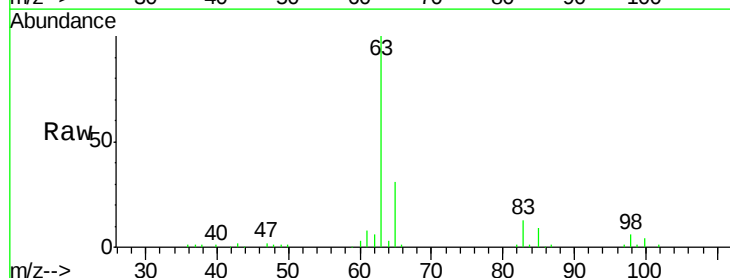
Tgt Ion: 63 Resp: 666165

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

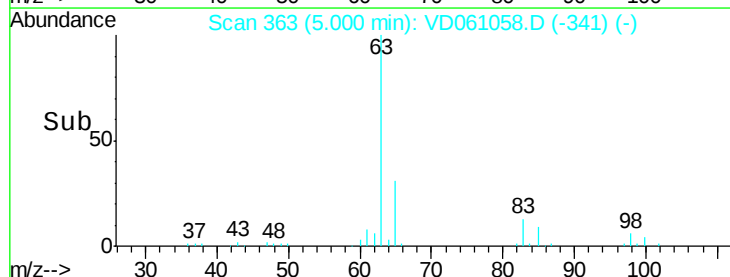
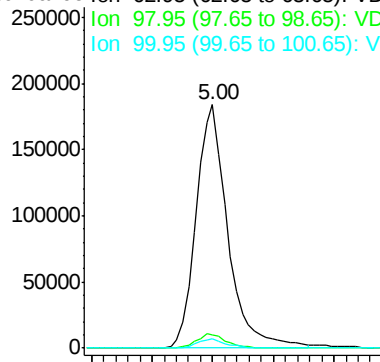
100 3.7 2.0 5.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 265.446 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

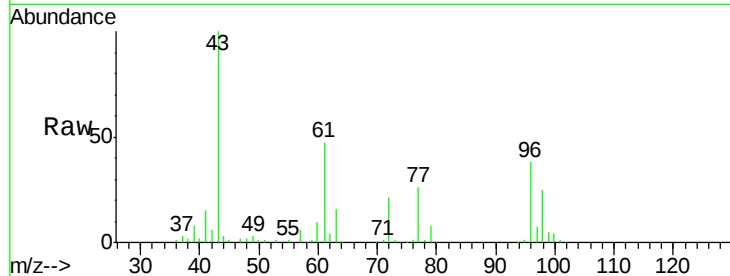
VSTDCCC050

Tot Ion: 43 Resp: 534239

Ion Ratio Lower Upper

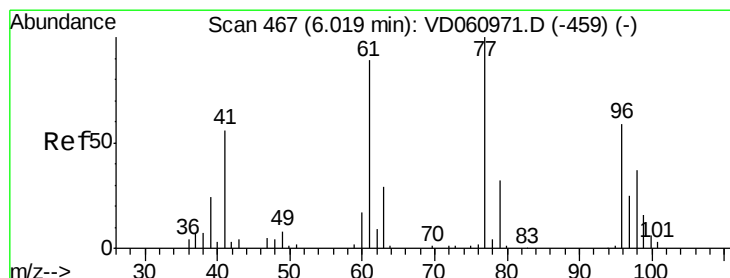
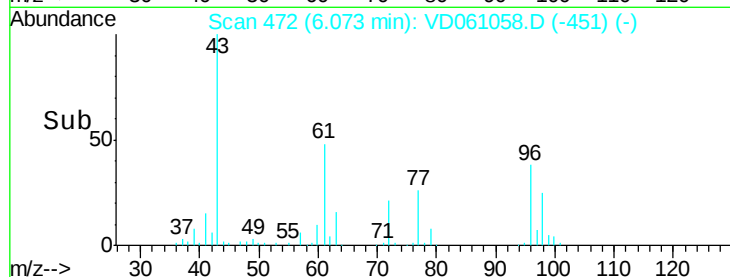
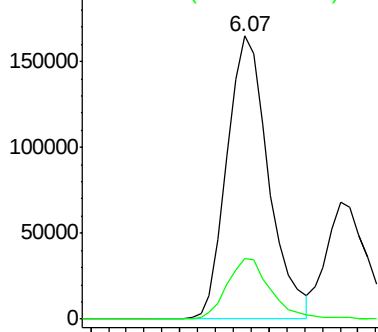
43 100

72 21.4 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.157 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD061058.D

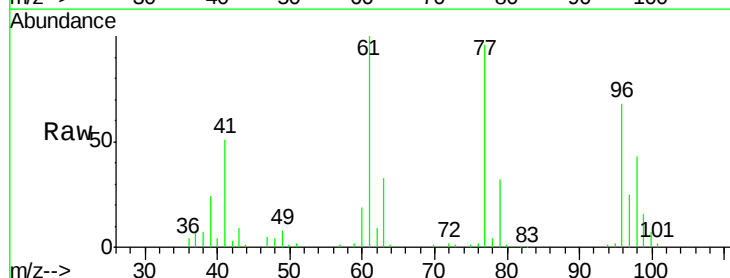
Acq: 14 Mar 2019 11:49

Tgt Ion: 77 Resp: 554231

Ion Ratio Lower Upper

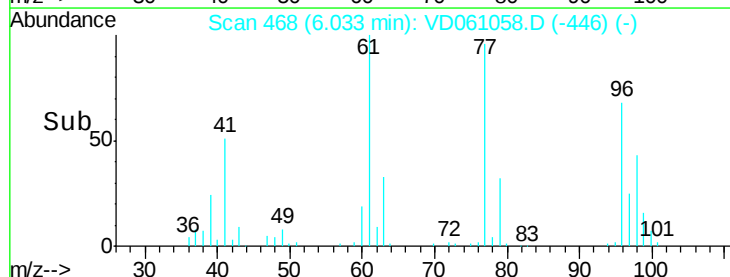
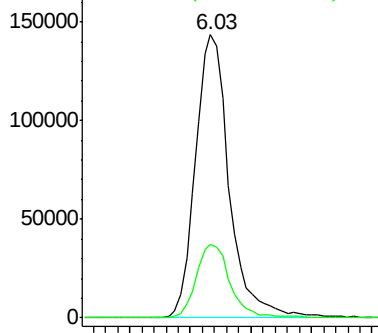
77 100

97 25.8 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



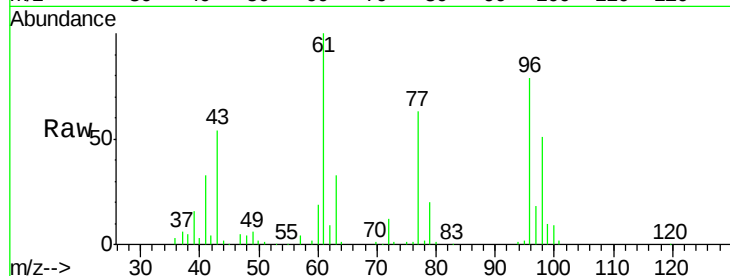


#27

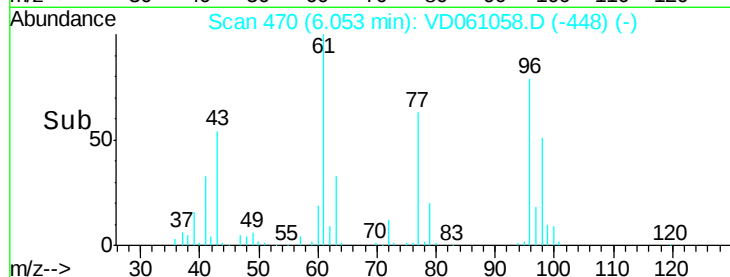
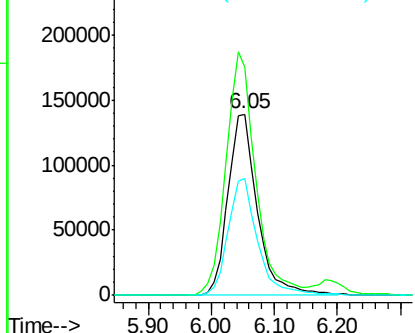
cis-1,2-Dichloroethene
Concen: 52.184 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.01 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 448239
Ion Ratio Lower Upper
96 100
61 126.2 0.0 273.6
98 64.5 0.0 132.6



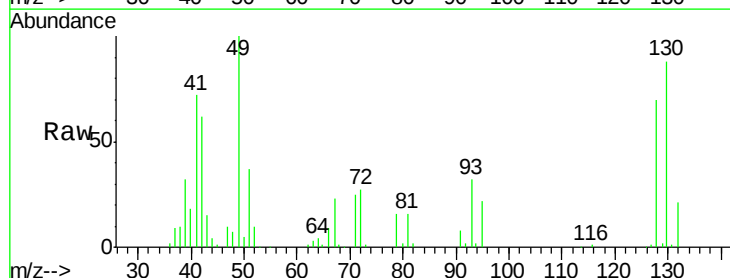
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



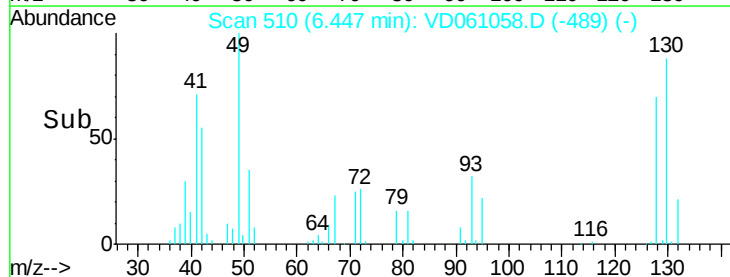
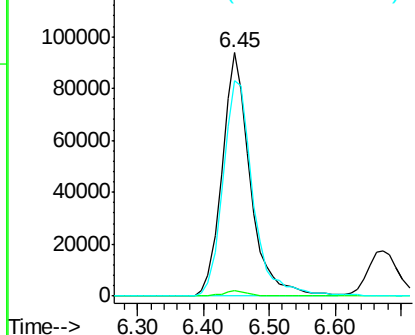
#28

Bromochloromethane
Concen: 48.568 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

Tgt Ion: 49 Resp: 279872
Ion Ratio Lower Upper
49 100
129 2.5 0.0 4.0
130 88.5 73.8 110.8



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





#29

Tetrahydrofuran

Concen: 228.129 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.00 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

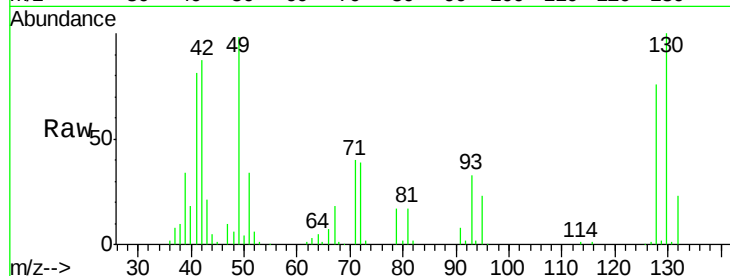
Tot Ion: 42 Resp: 249310

Ion Ratio Lower Upper

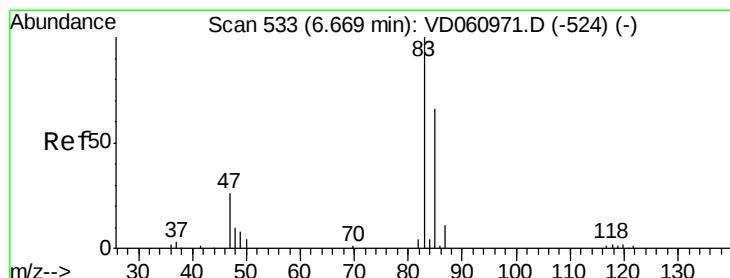
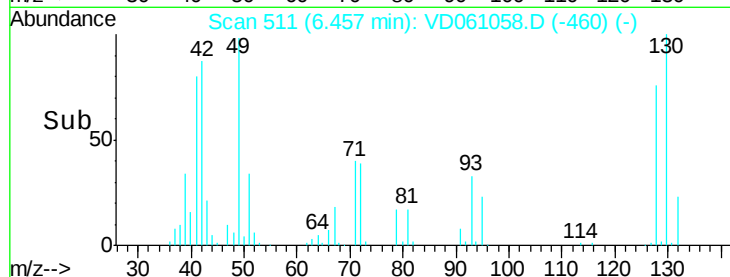
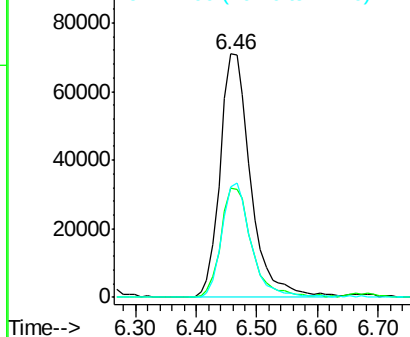
42 100

72 45.4 34.5 51.7

71 44.6 33.8 50.6



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



#30

Chloroform

Concen: 48.072 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD061058.D

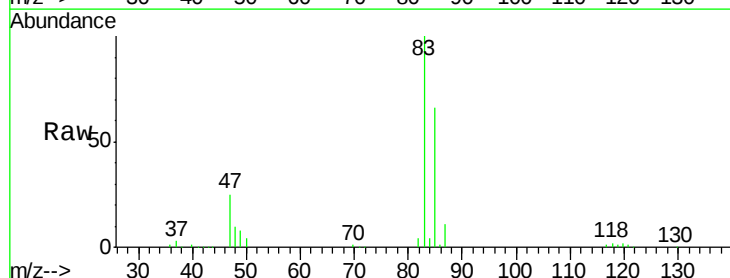
Acq: 14 Mar 2019 11:49

Tgt Ion: 83 Resp: 678176

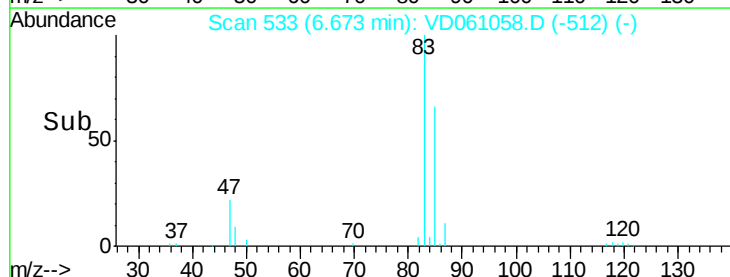
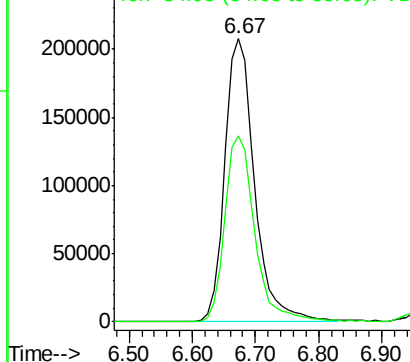
Ion Ratio Lower Upper

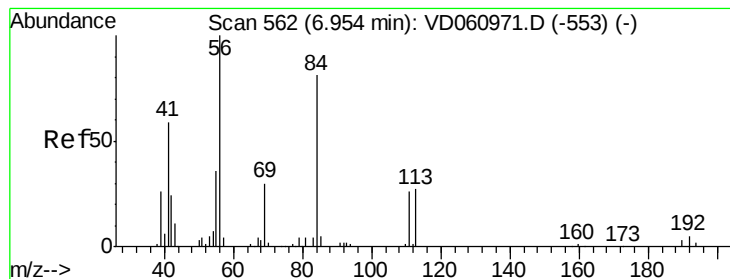
83 100

85 65.8 53.0 79.4



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





#31

Cyclohexane

Concen: 49.220 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.01 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

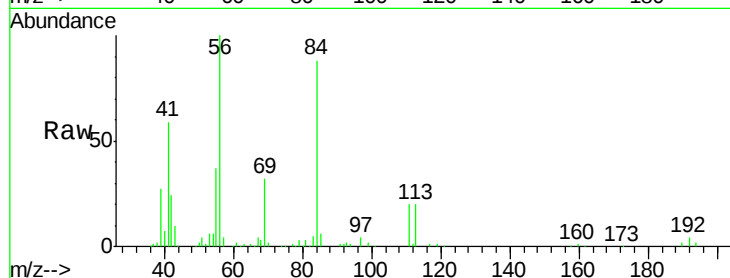
Tot Ion: 56 Resp: 540216

Ion Ratio Lower Upper

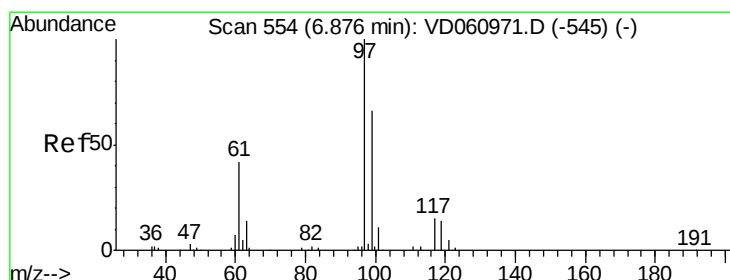
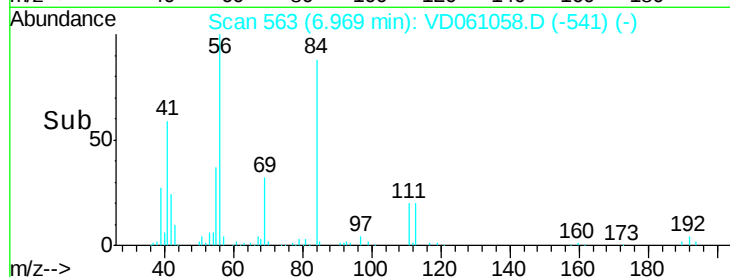
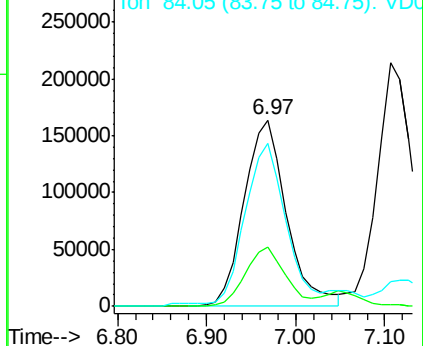
56 100

69 31.7 24.0 36.0

84 87.8 65.8 98.6



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



#32

1,1,1-Trichloroethane

Concen: 50.598 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.00 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

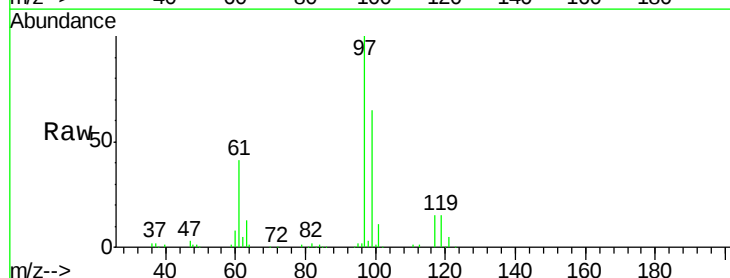
Tgt Ion: 97 Resp: 617120

Ion Ratio Lower Upper

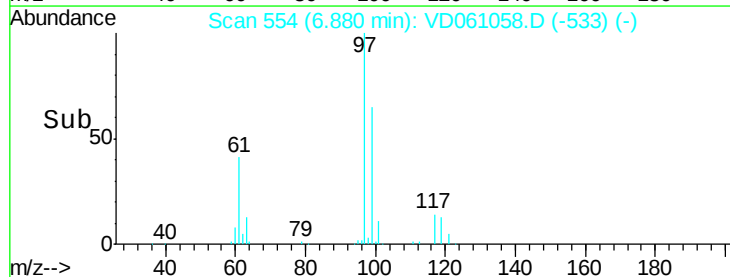
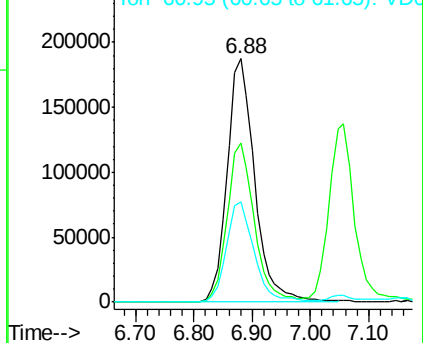
97 100

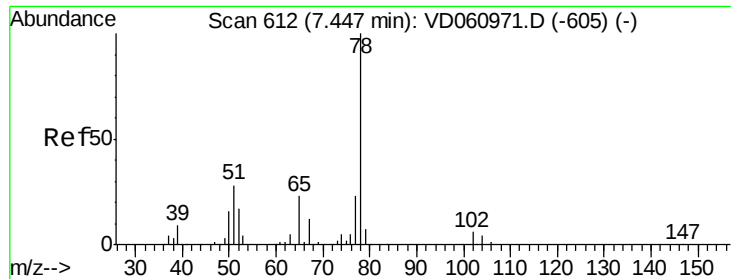
99 65.3 53.2 79.8

61 41.3 33.8 50.8



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: 50.598 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

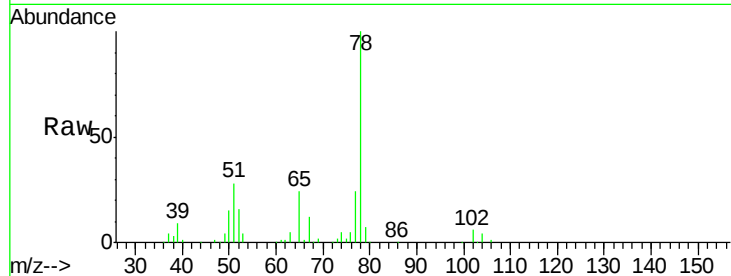
VSTDCCC050

Tot Ion: 65 Resp: 293703

Ion Ratio Lower Upper

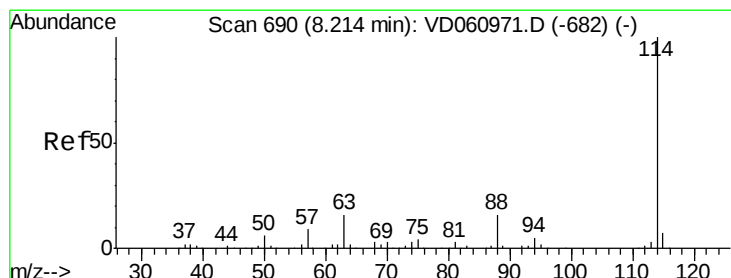
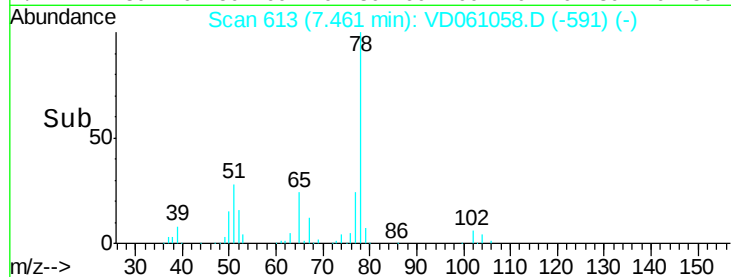
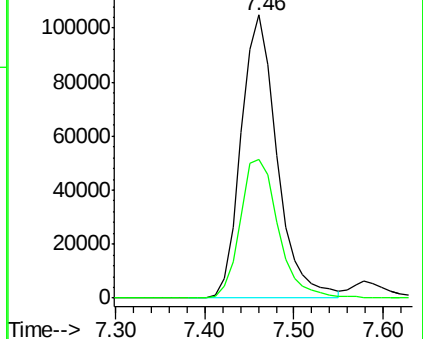
65 100

67 49.1 0.0 105.2



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: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

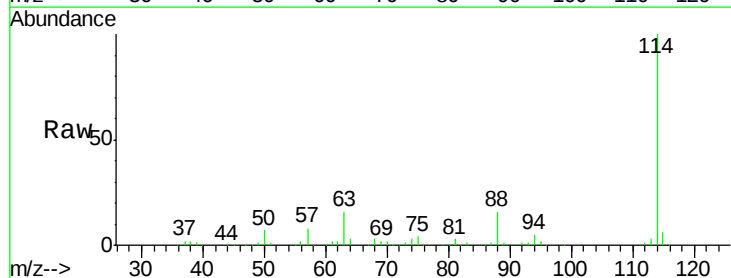
Tgt Ion: 114 Resp: 1295810

Ion Ratio Lower Upper

114 100

63 15.7 0.0 31.4

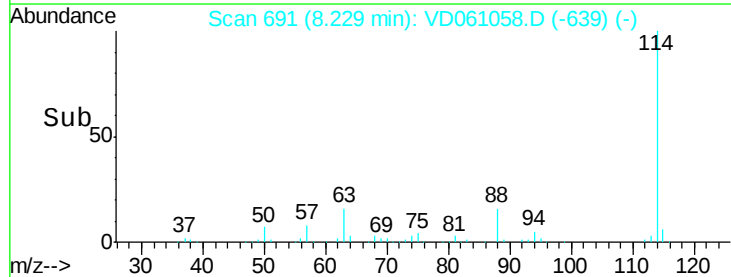
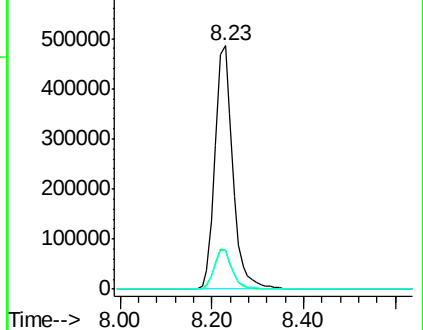
88 16.2 0.0 33.0

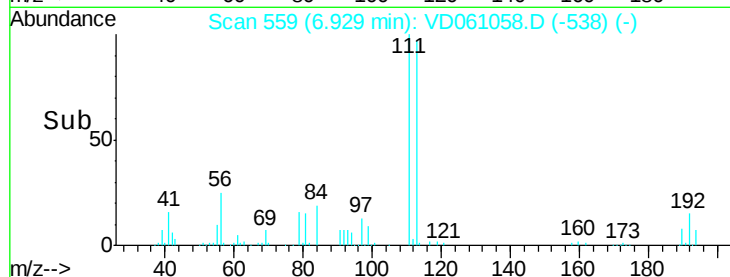
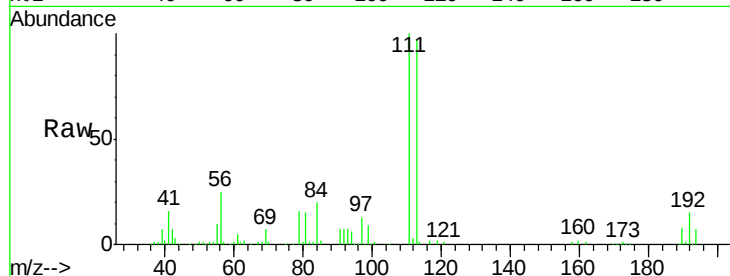
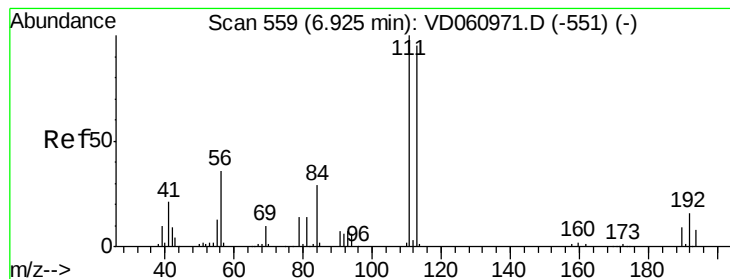


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

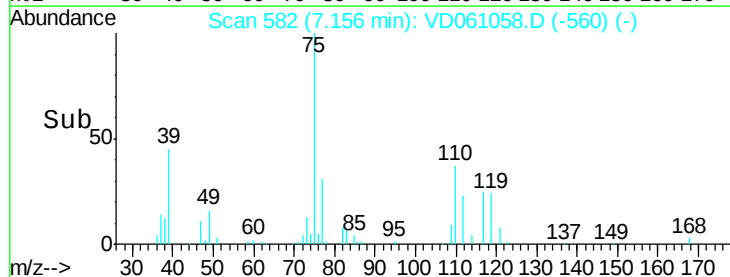
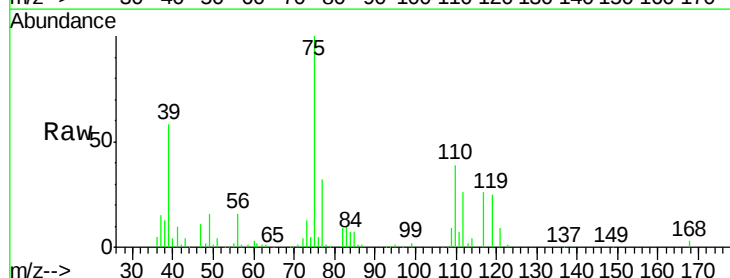
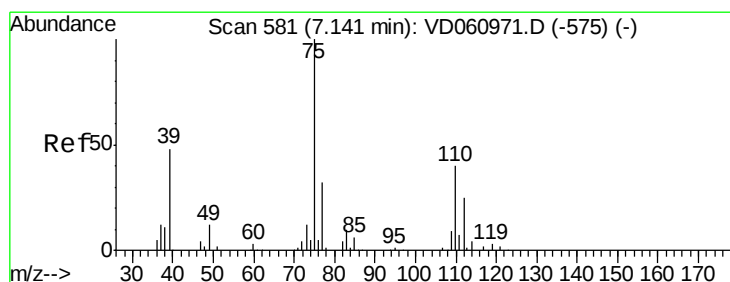
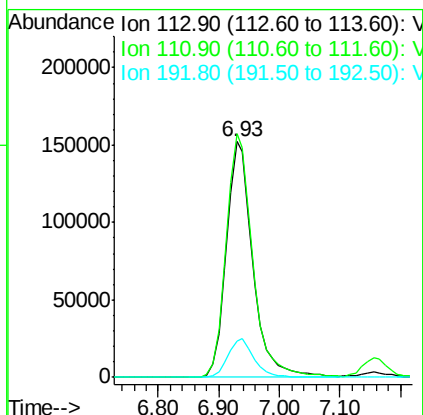
Tot Ion:113 Resp: 461972

Ion Ratio Lower Upper

113 100

111 103.4 84.2 126.4

192 15.3 13.1 19.7



#36

1,1-Dichloropropene

Concen: 44.192 ug/l

RT: 7.16 min Scan# 582

Delta R.T. 0.01 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

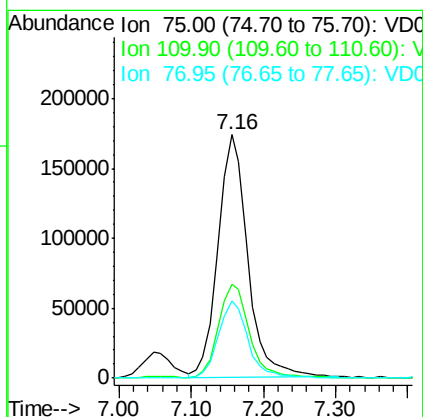
Tgt Ion: 75 Resp: 493608

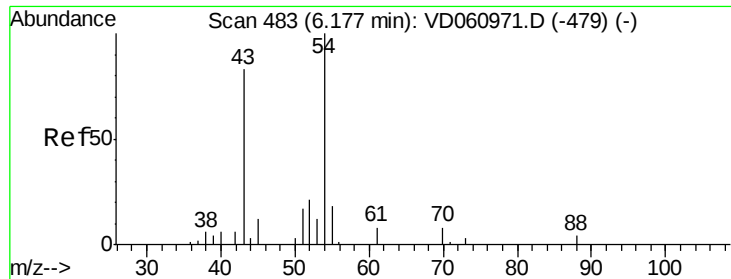
Ion Ratio Lower Upper

75 100

110 38.7 19.7 59.1

77 31.6 24.7 37.1

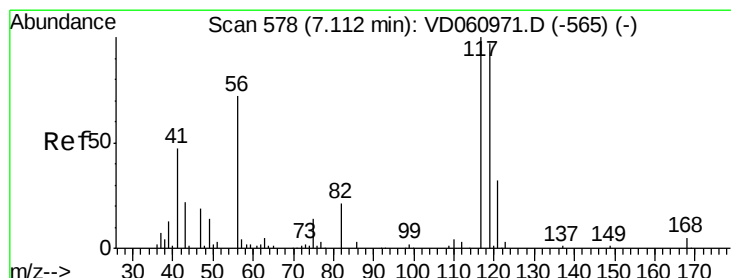
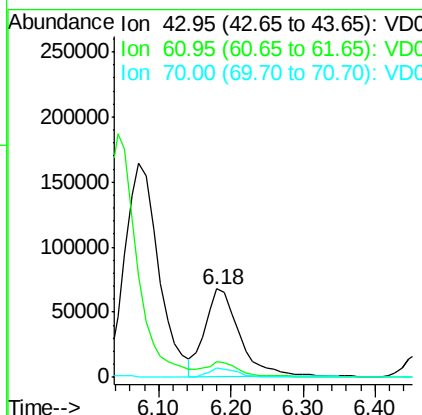
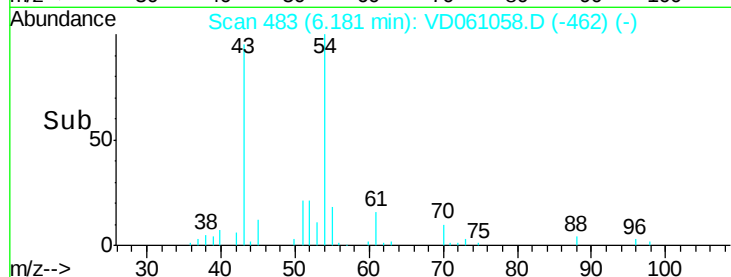
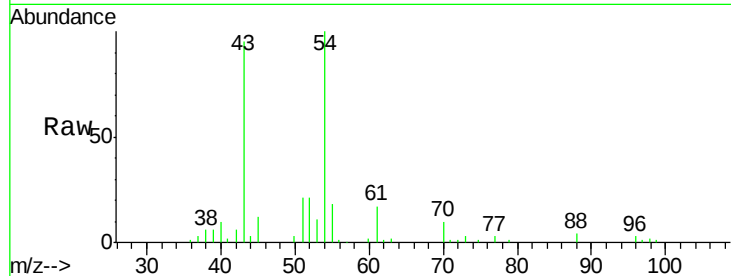




#37
Ethyl Acetate
Concen: 42.279 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

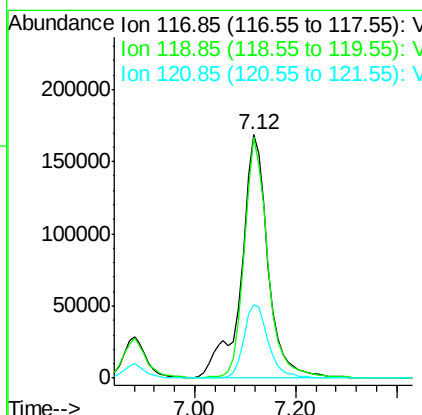
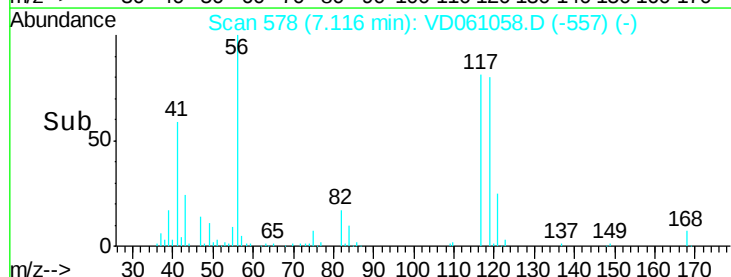
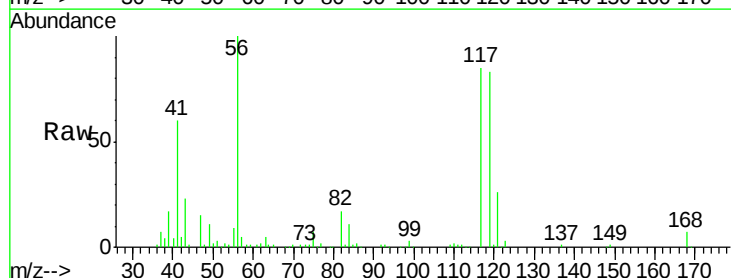
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 221606
Ion Ratio Lower Upper
43 100
61 17.9 13.7 20.5
70 10.8 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 49.992 ug/l
RT: 7.12 min Scan# 578
Delta R.T. 0.00 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

Tgt Ion: 117 Resp: 615093
Ion Ratio Lower Upper
117 100
119 98.7 77.8 116.8
121 30.4 25.3 37.9





#39

Methvlcvclohexane

Concen: 44.479 ug/l

RT: 8.87 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

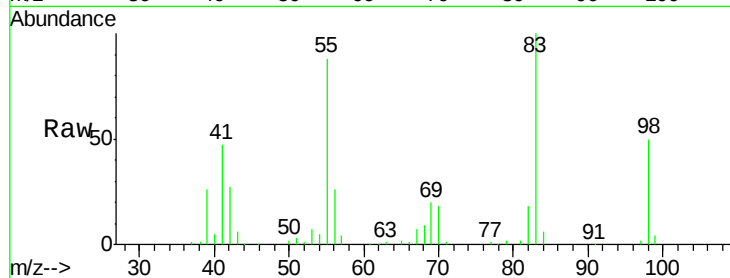
Tot Ion: 83 Resp: 515163

Ion Ratio Lower Upper

83 100

55 87.9 69.6 104.4

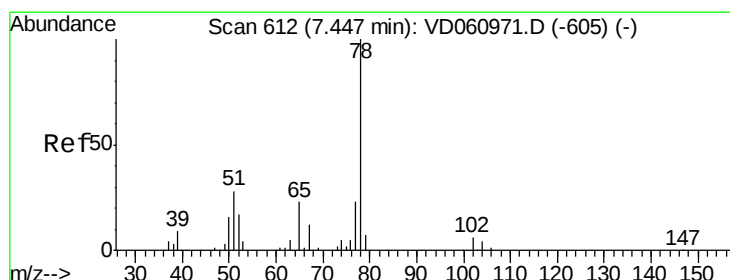
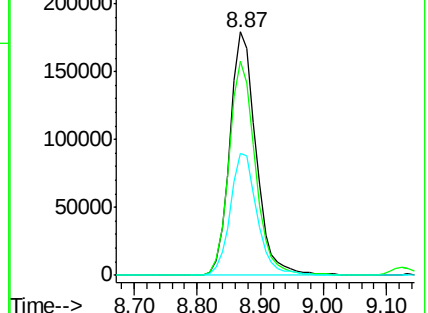
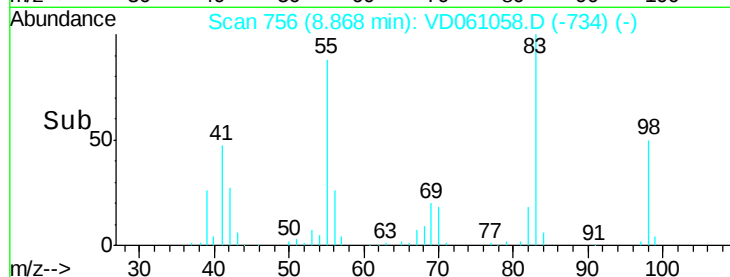
98 50.3 40.0 60.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 46.764 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061058.D

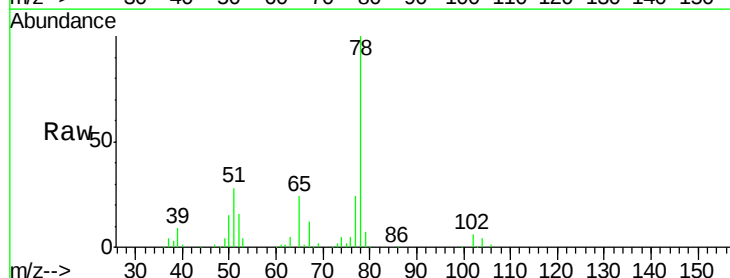
Acq: 14 Mar 2019 11:49

Tgt Ion: 78 Resp: 1305206

Ion Ratio Lower Upper

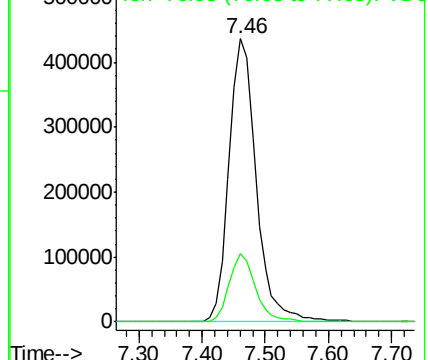
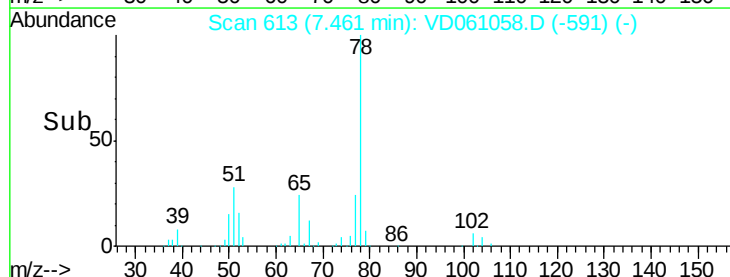
78 100

77 24.3 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 44.570 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 268707

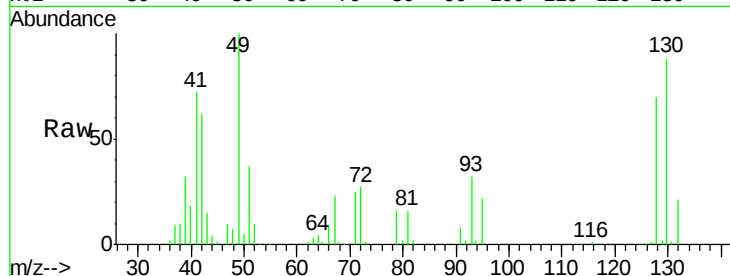
Ion Ratio Lower Upper

41 100

39 43.6 35.7 53.5

67 32.4 23.0 34.6

52 13.2 9.2 13.8

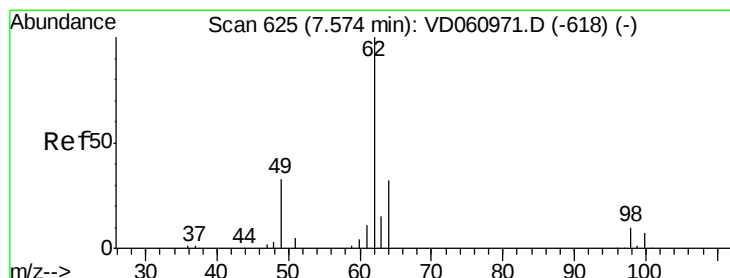
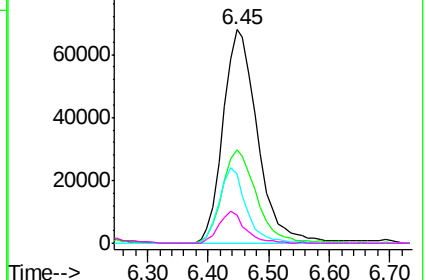
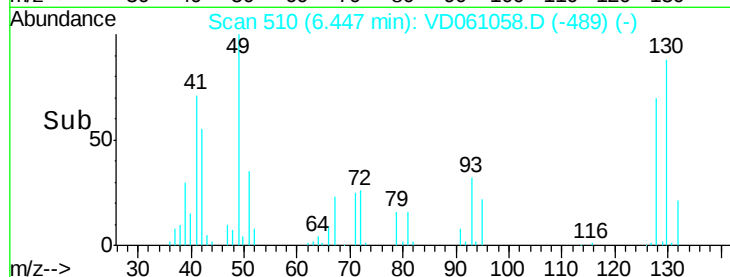


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 46.333 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.01 min

Lab File: VD061058.D

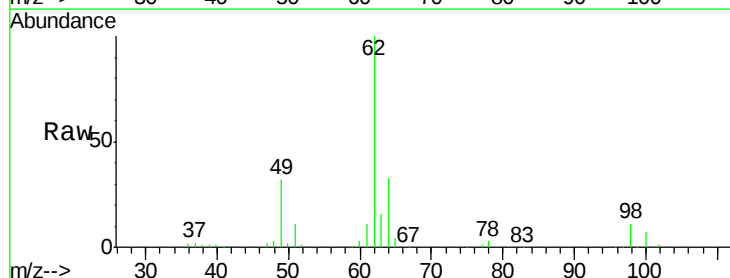
Acq: 14 Mar 2019 11:49

Tgt Ion: 62 Resp: 375271

Ion Ratio Lower Upper

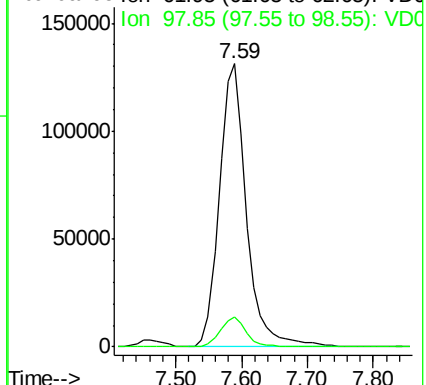
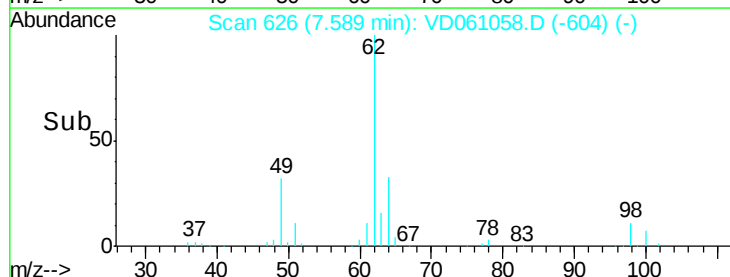
62 100

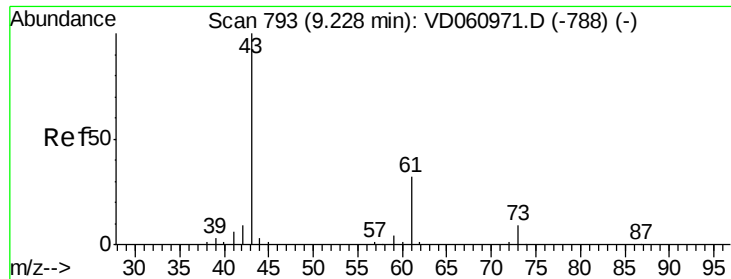
98 10.6 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



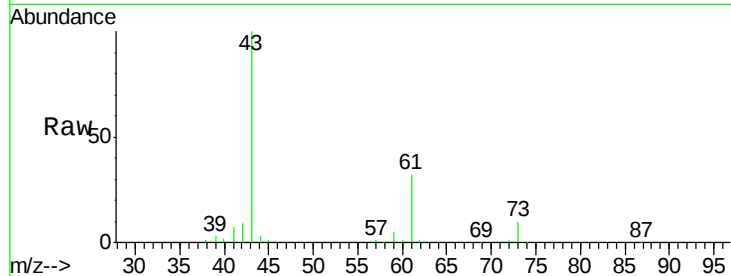


#43

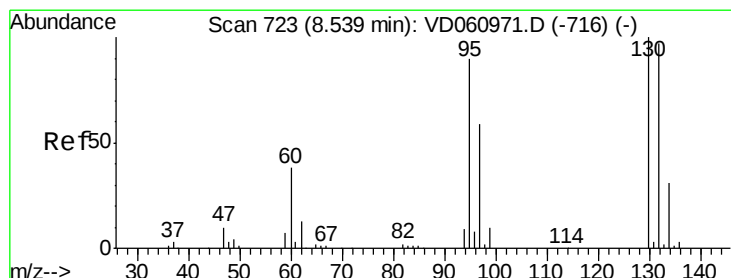
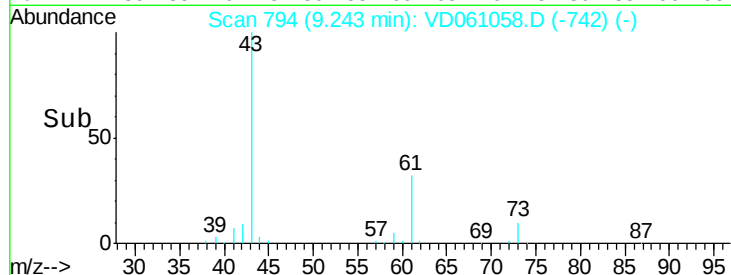
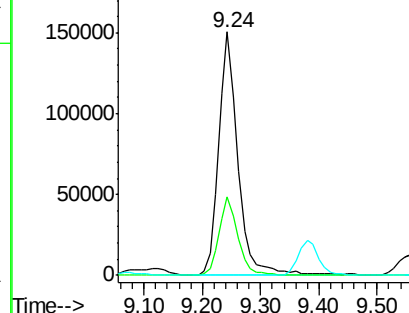
Isopropyl Acetate
 Concen: 47.498 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 344824
 Ion Ratio Lower Upper
 43 100
 61 32.5 25.6 38.4
 87 0.3 0.2 0.4



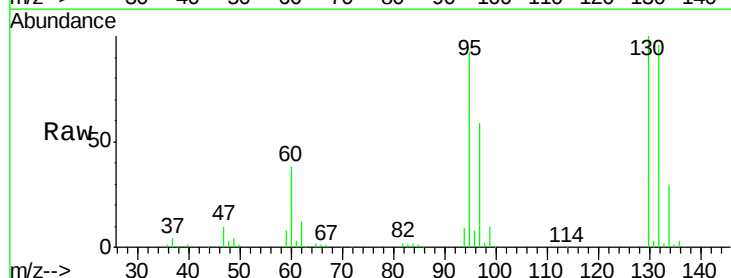
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



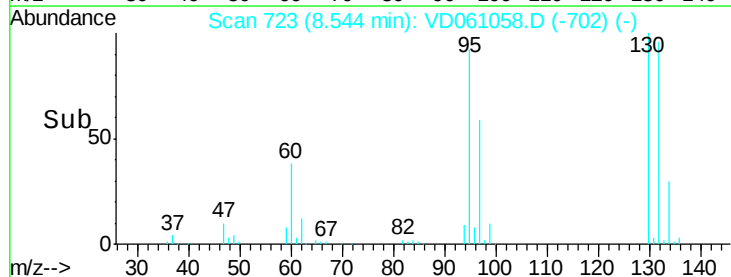
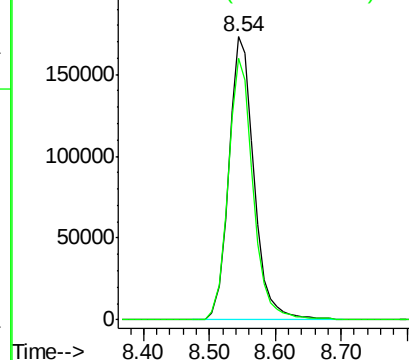
#44

Trichloroethene
 Concen: 48.089 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.00 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

Tgt Ion: 130 Resp: 463040
 Ion Ratio Lower Upper
 130 100
 95 92.5 0.0 179.4



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





#45

1,2-Dichloropropane

Concen: 45.198 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

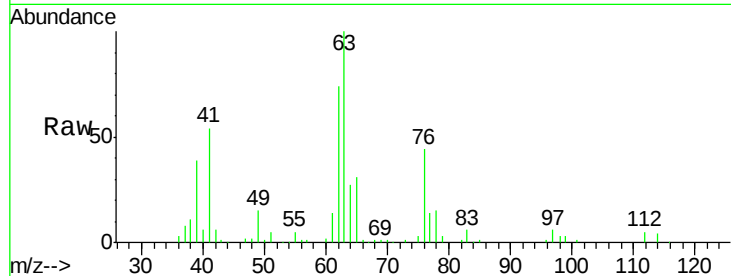
VSTDCCC050

Tot Ion: 63 Resp: 331424

Ion Ratio Lower Upper

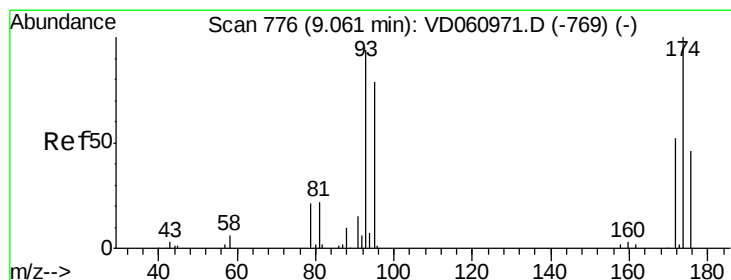
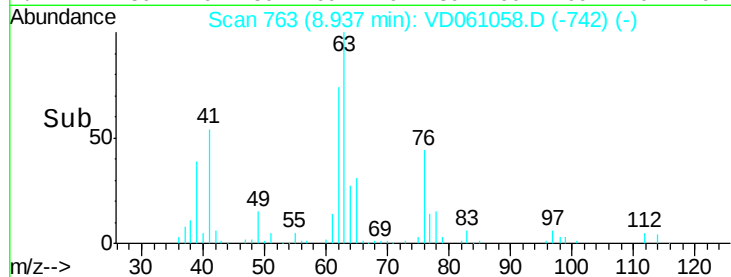
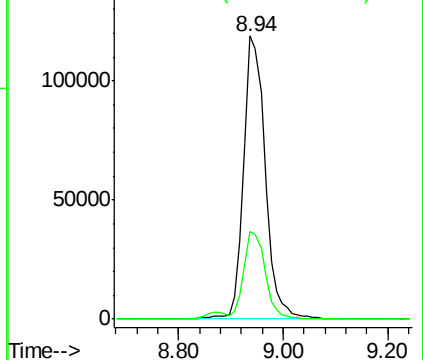
63 100

65 30.9 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 48.323 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

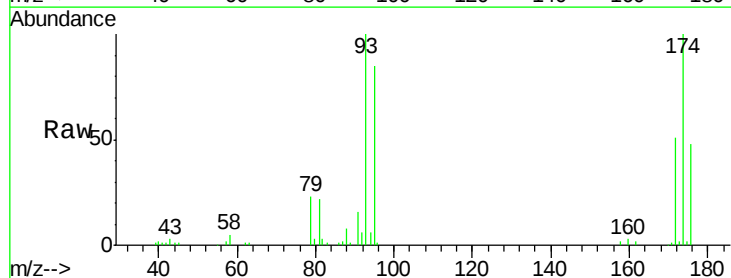
Tgt Ion: 93 Resp: 224765

Ion Ratio Lower Upper

93 100

95 85.5 67.4 101.0

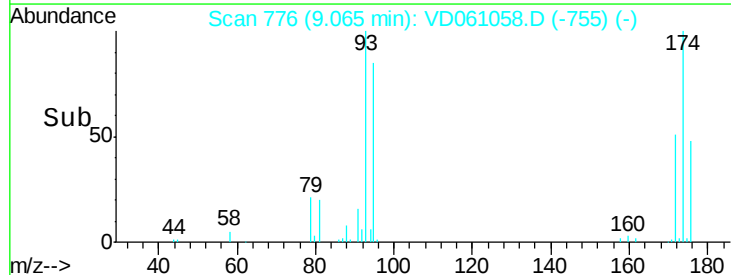
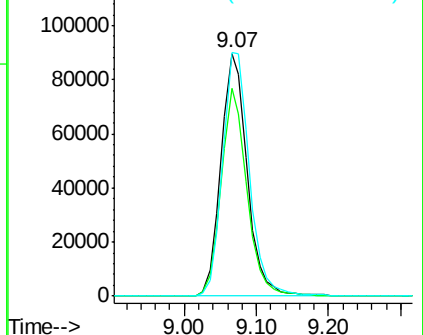
174 100.3 85.4 128.0

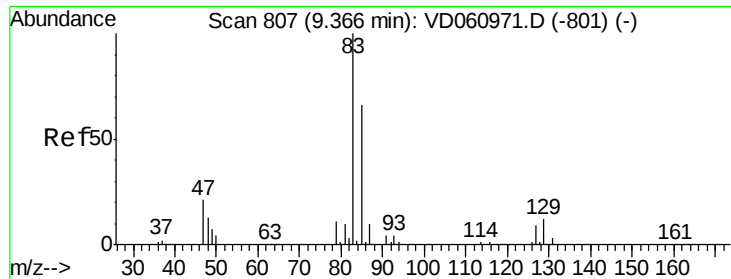


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 48.855 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

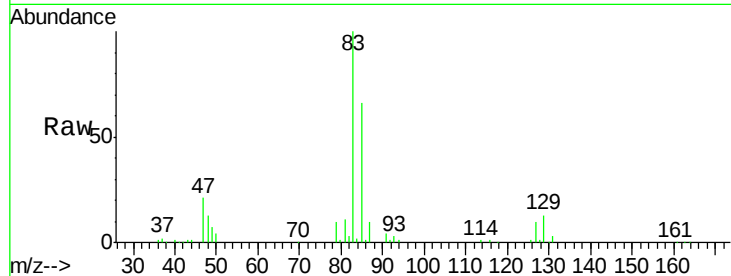
Tot Ion: 83 Resp: 512780

Ion Ratio Lower Upper

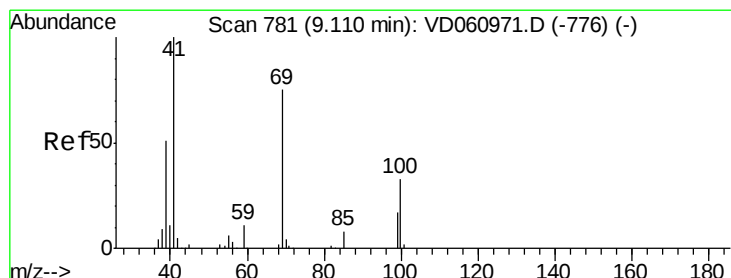
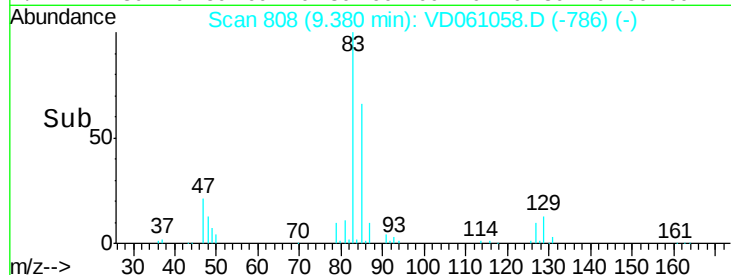
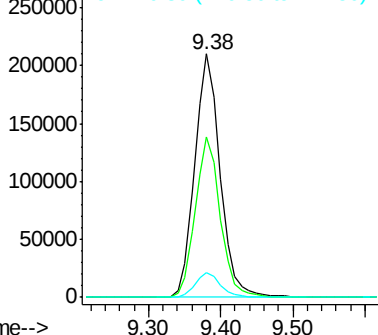
83 100

85 66.0 52.5 78.7

127 10.2 7.5 11.3



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: 50.207 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

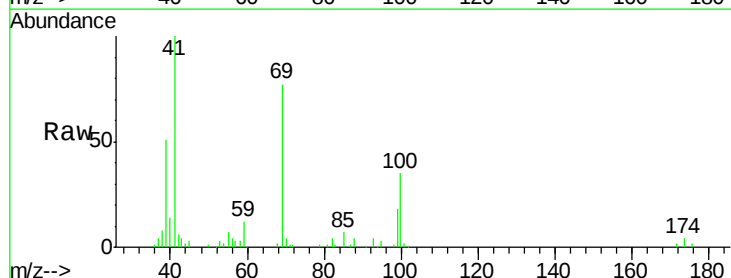
Tgt Ion: 41 Resp: 205219

Ion Ratio Lower Upper

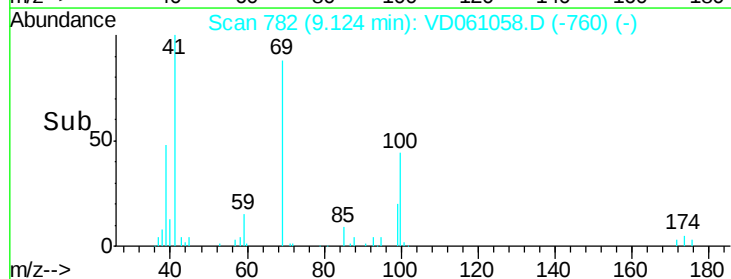
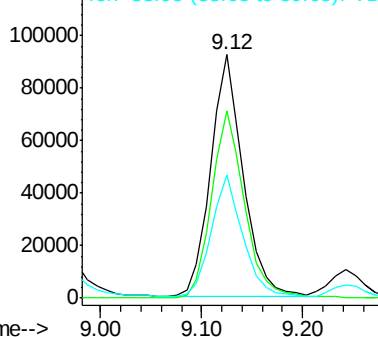
41 100

69 77.1 59.9 89.9

39 50.7 40.9 61.3



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

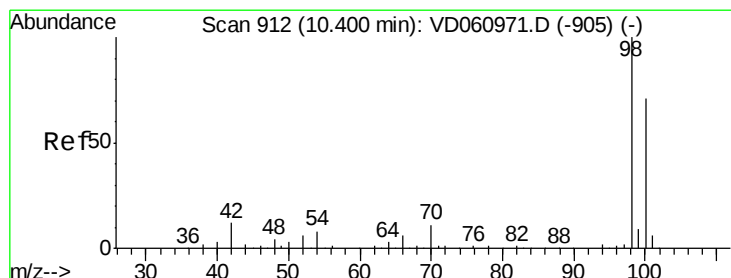
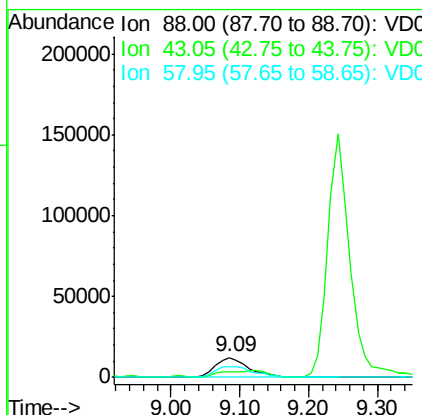
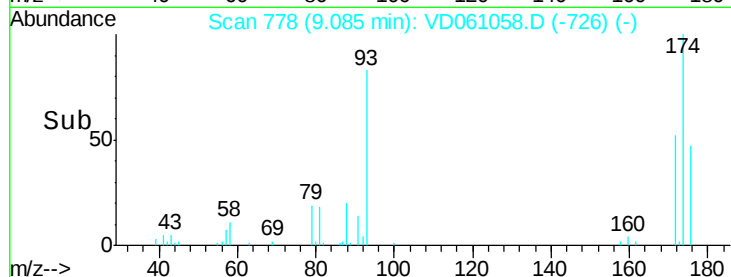
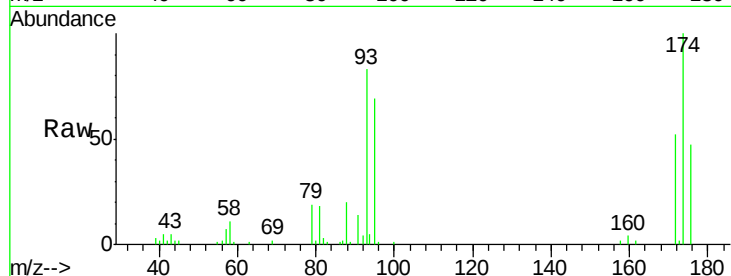




#49
 1,4-Dioxane
 Concen: 981.324 ug/l
 RT: 9.09 min Scan# 778
 Delta R.T. 0.01 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

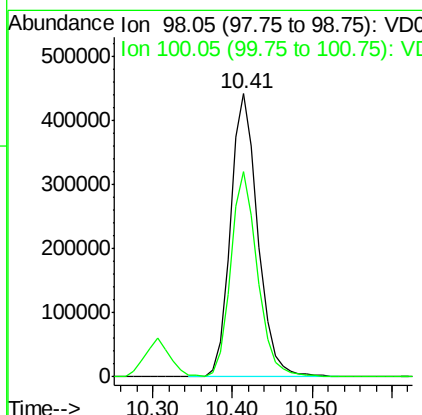
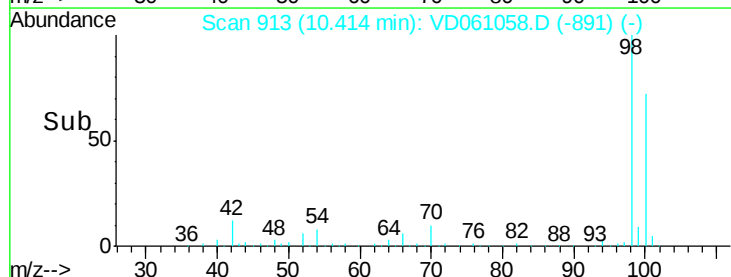
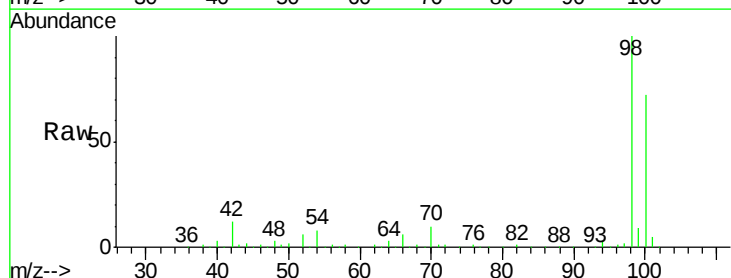
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

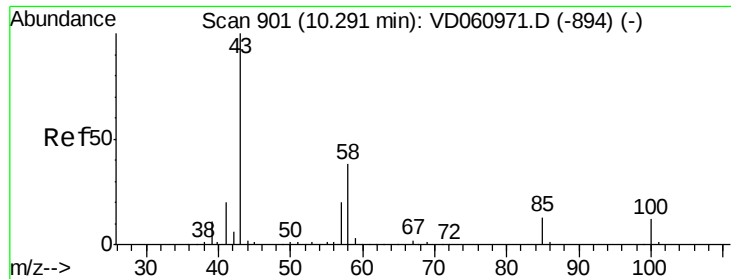
Tot Ion: 88 Resp: 40560
 Ion Ratio Lower Upper
 88 100
 43 26.9 21.0 31.6
 58 56.3 48.6 72.8



#50
 Toluene-d8
 Concen: 981.324 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. 0.01 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

Tgt Ion: 98 Resp: 1057930
 Ion Ratio Lower Upper
 98 100
 100 72.5 57.4 86.2





#51

4-Methyl-2-Pentanone

Concen: 232.520 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

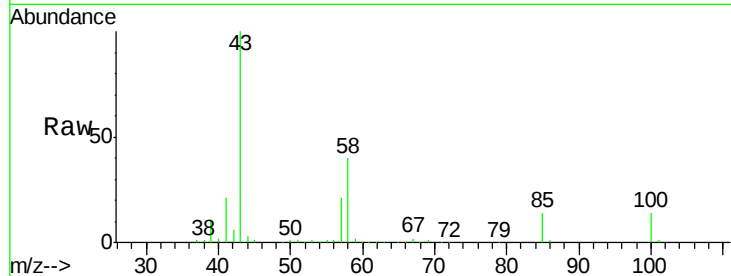
VSTDCCC050

Tot Ion: 43 Resp: 1034132

Ion Ratio Lower Upper

43 100

58 40.0 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

400000

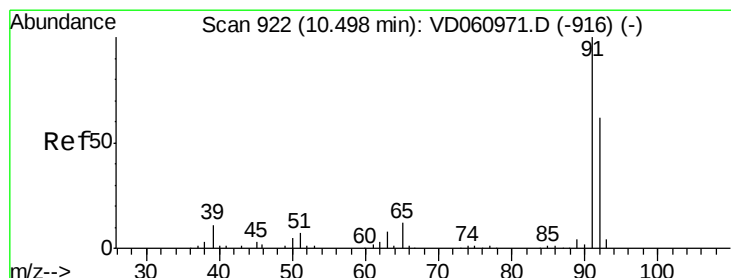
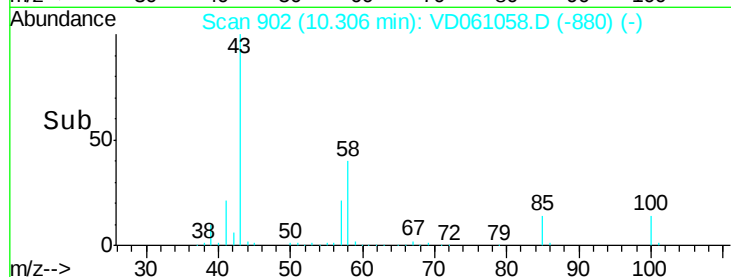
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 46.490 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD061058.D

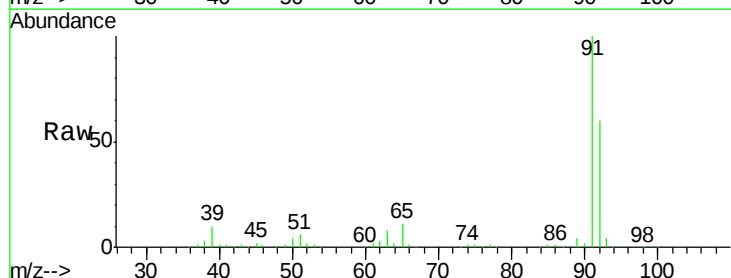
Acq: 14 Mar 2019 11:49

Tgt Ion: 92 Resp: 806863

Ion Ratio Lower Upper

92 100

91 166.1 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

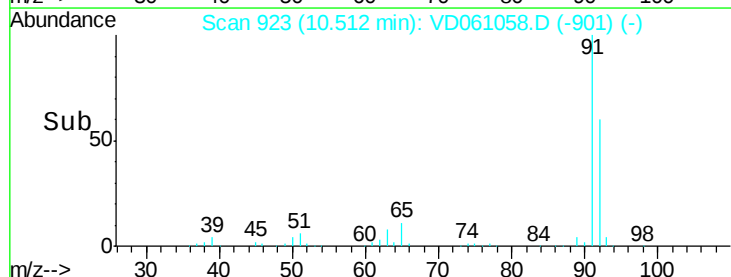
600000

400000

200000

0

Time-->

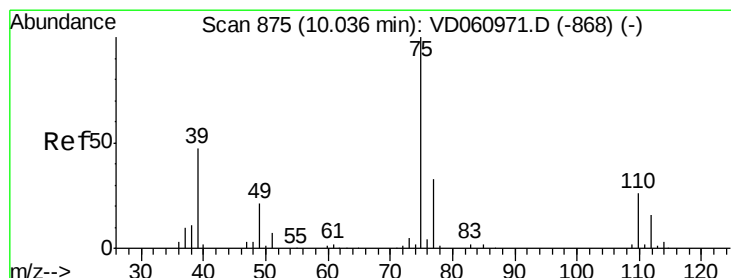
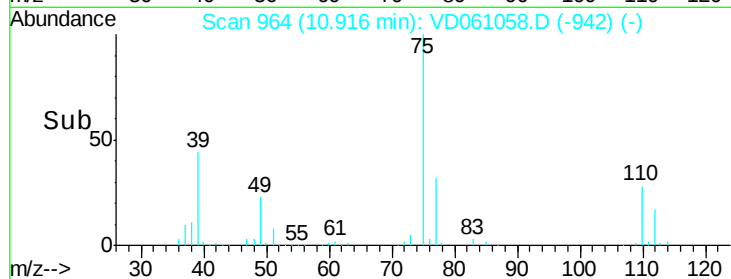
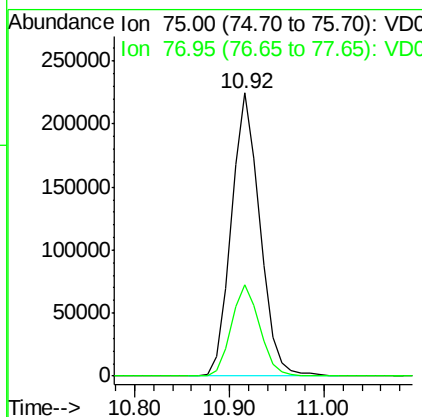
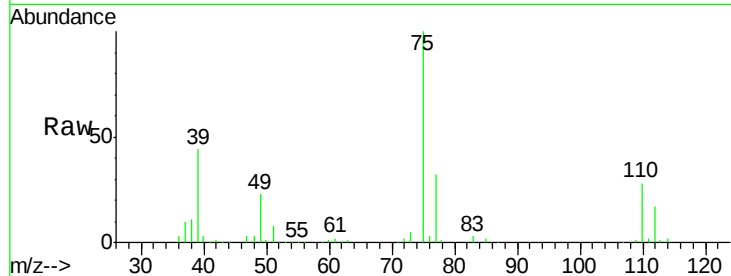




#53
 t-1,3-Dichloropropene
 Concen: 48.809 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

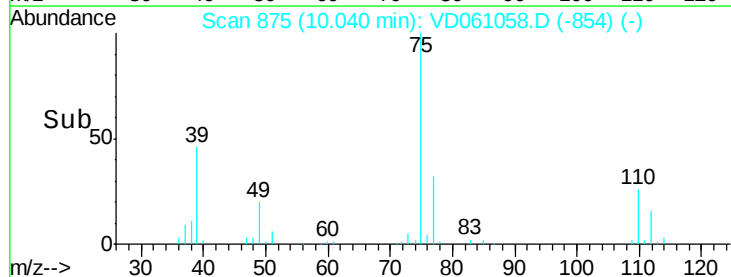
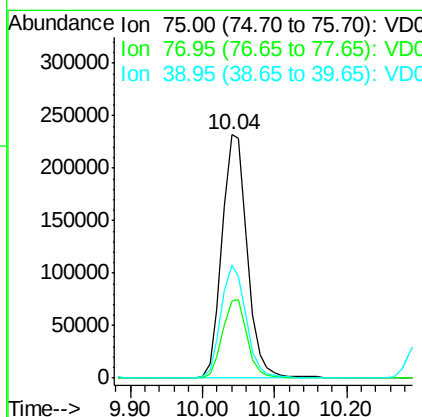
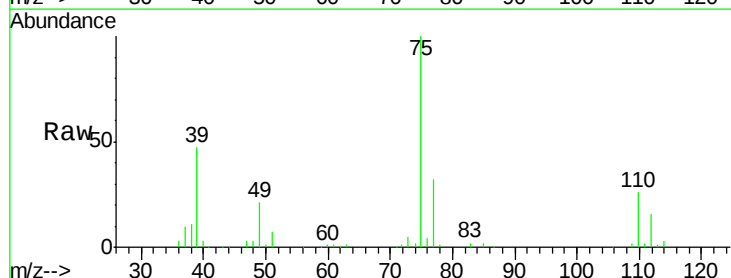
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 468448
 Ion Ratio Lower Upper
 75 100
 77 32.4 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 48.651 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.00 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

Tgt Ion: 75 Resp: 561030
 Ion Ratio Lower Upper
 75 100
 77 31.6 26.2 39.4
 39 46.6 37.8 56.8

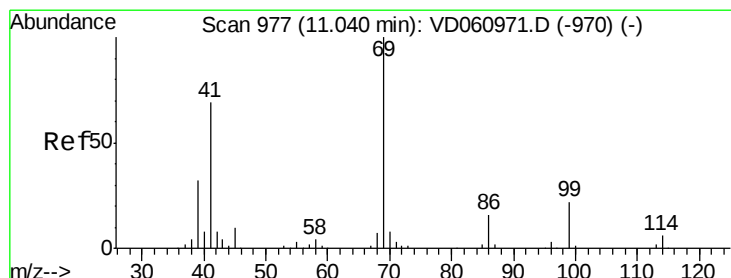
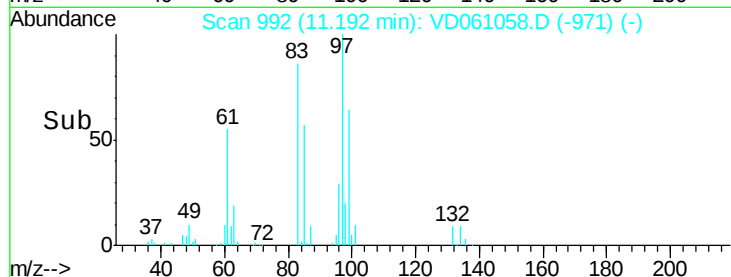
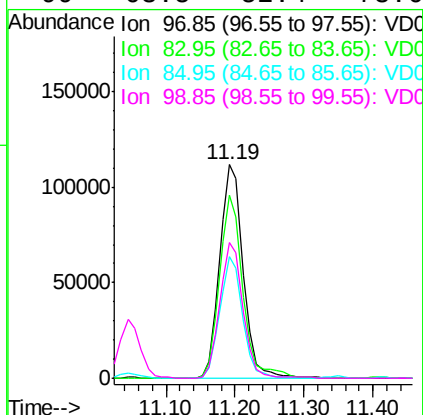
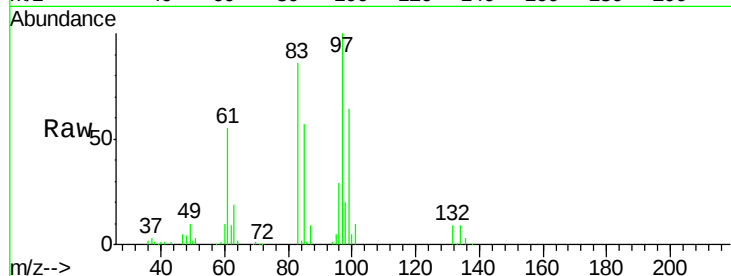




#55
 1,1,2-Trichloroethane
 Concen: 45.582 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

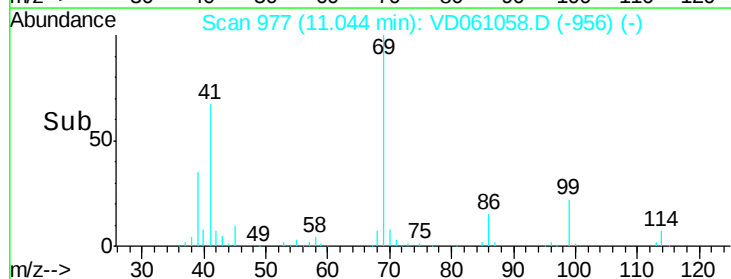
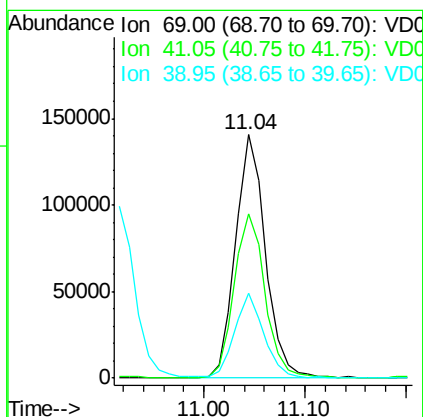
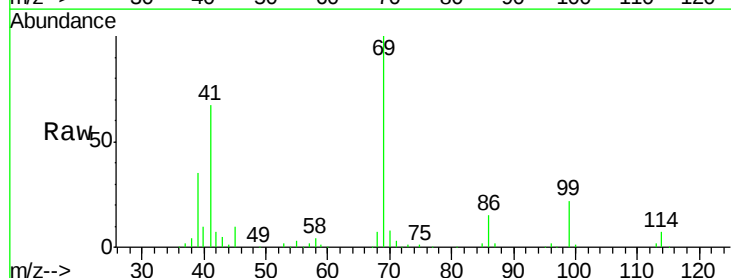
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

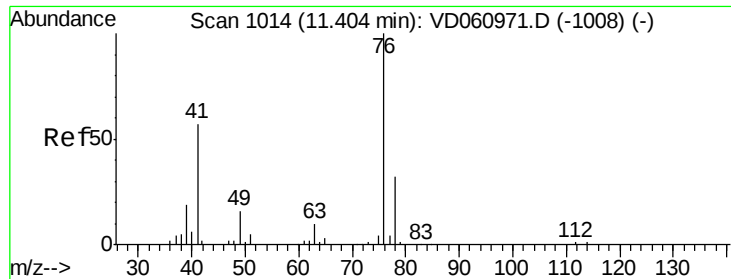
Tot Ion:	97	Resp:	263457
Ion	Ratio	Lower	Upper
97	100		
83	85.9	66.6	100.0
85	56.8	46.4	69.6
99	63.5	52.4	78.6



#56
 Ethyl methacrylate
 Concen: 47.937 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

Tgt Ion:	69	Resp:	290006
Ion	Ratio	Lower	Upper
69	100		
41	67.4	55.5	83.3
39	34.9	26.2	39.2

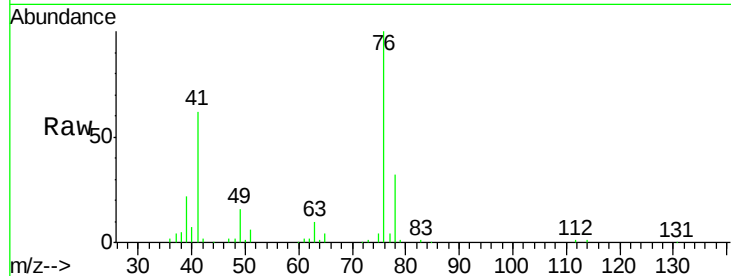




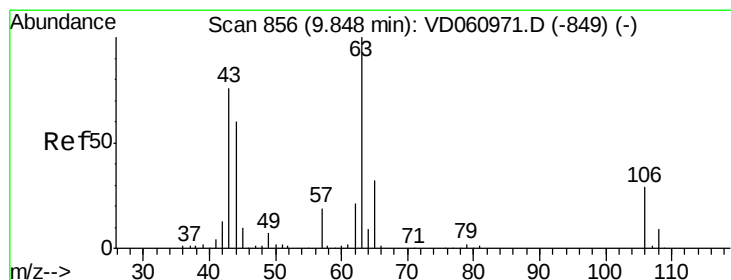
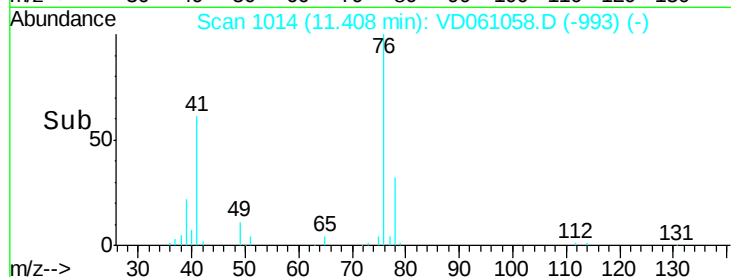
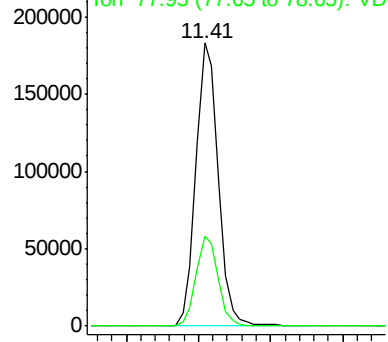
#57
 1,3-Dichloropropane
 Concen: 45.481 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 392828
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.4 38.0

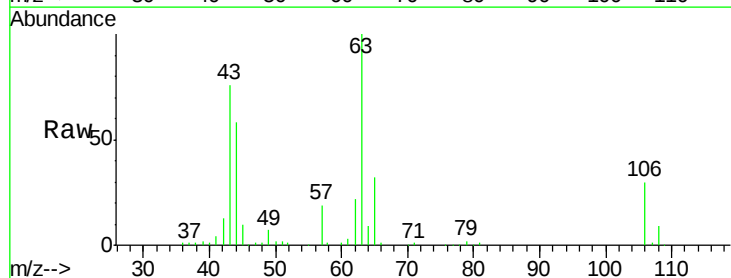


Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

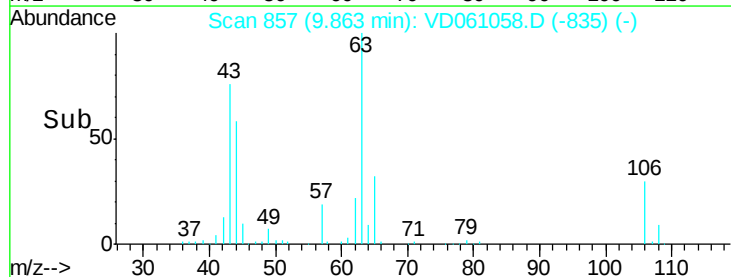
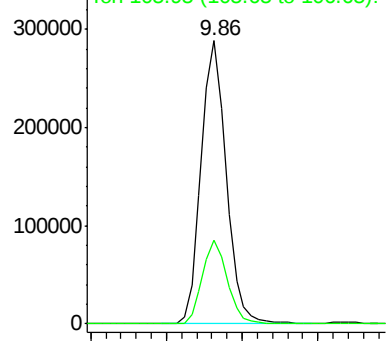


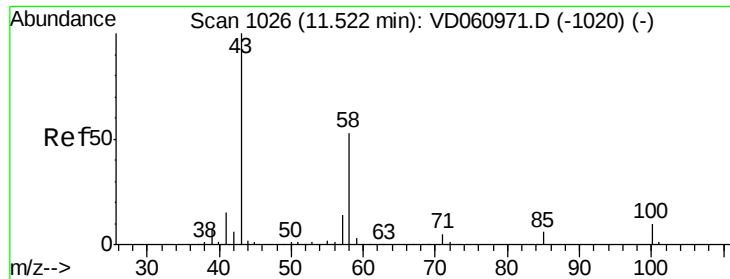
#58
 2-Chloroethyl Vinyl ether
 Concen: 207.256 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

Tgt Ion: 63 Resp: 663695
 Ion Ratio Lower Upper
 63 100
 106 29.5 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V

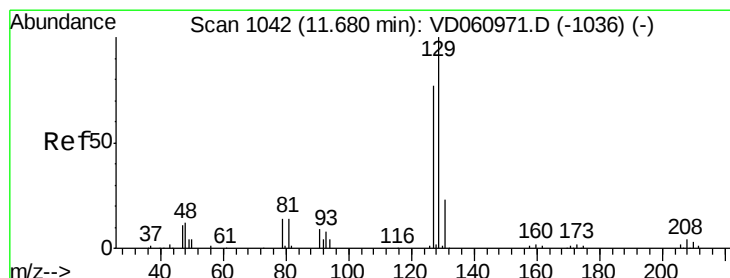
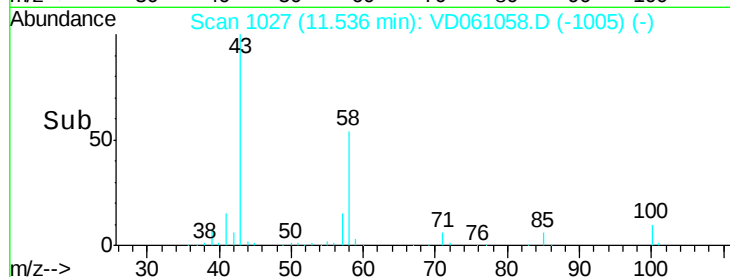
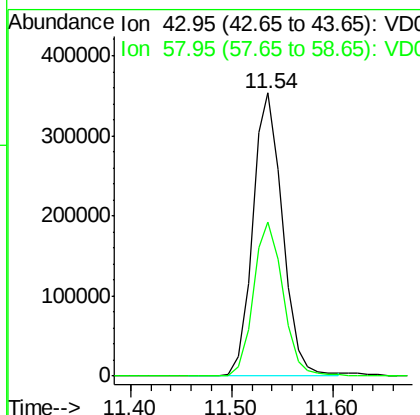
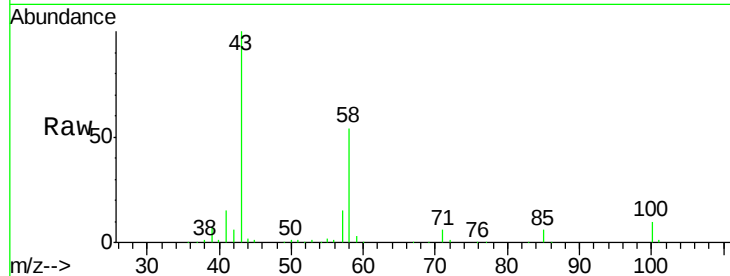




#59
2-Hexanone
Concen: 222.631 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

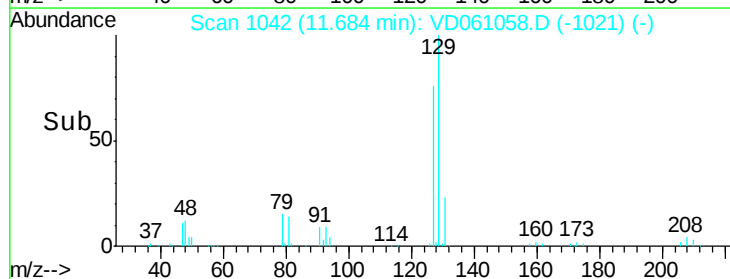
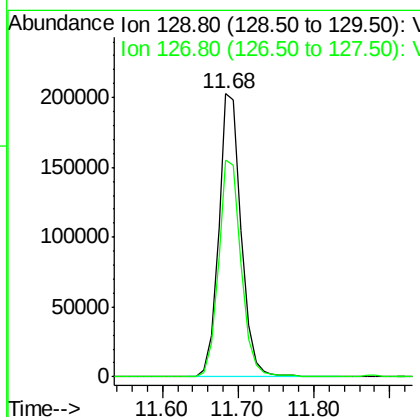
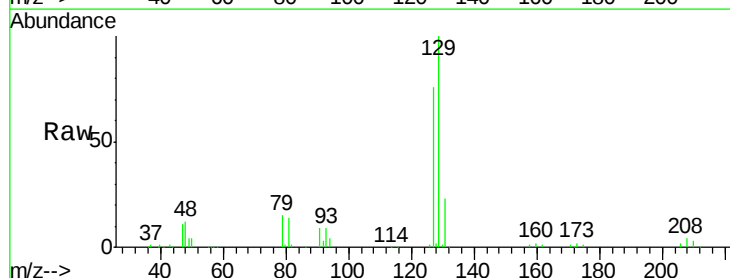
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

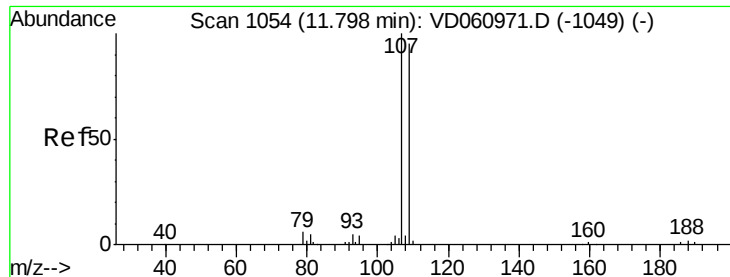
Tot Ion: 43 Resp: 724291
Ion Ratio Lower Upper
43 100
58 54.3 26.5 79.5



#60
Dibromochloromethane
Concen: 48.989 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

Tgt Ion: 129 Resp: 416713
Ion Ratio Lower Upper
129 100
127 76.4 38.3 114.9

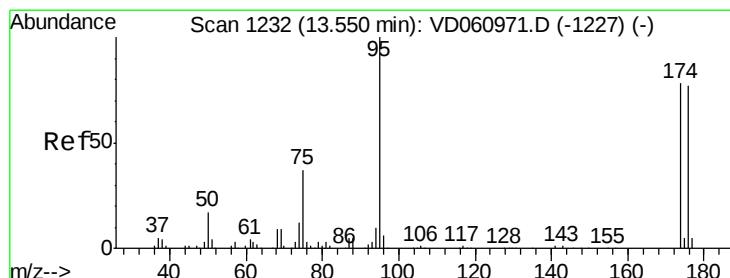
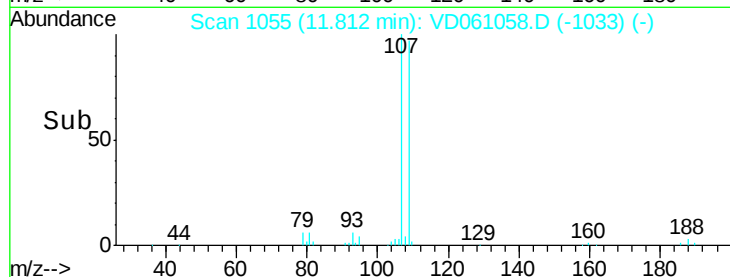
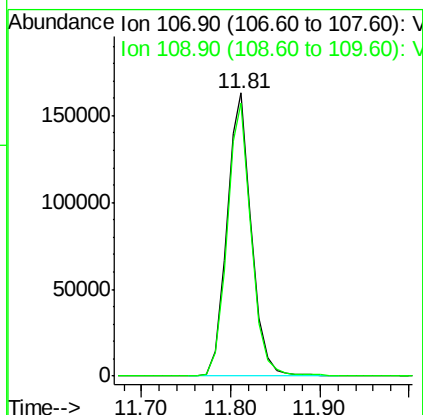
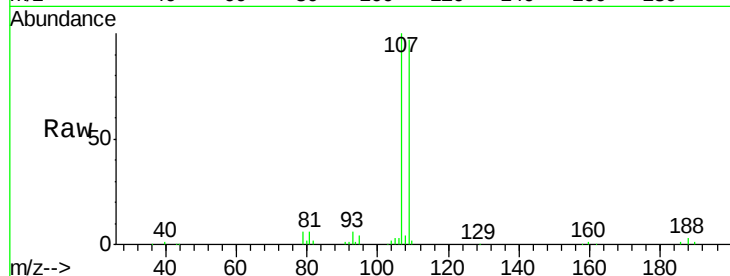




#61
 1,2-Dibromoethane
 Concen: 46.641 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

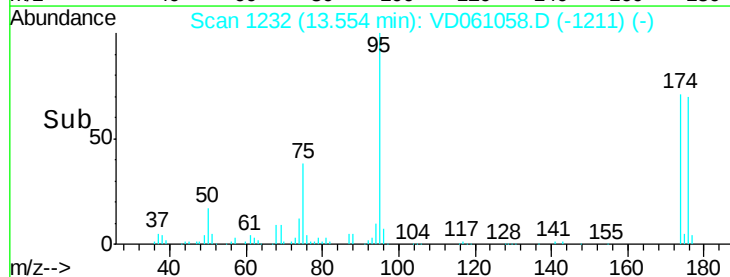
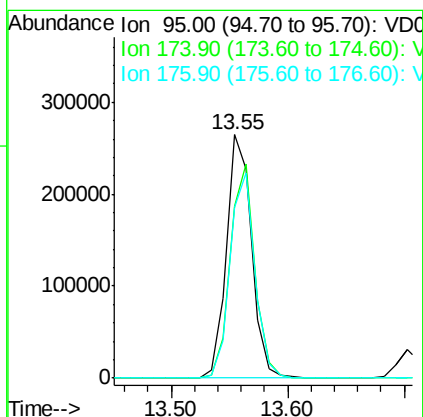
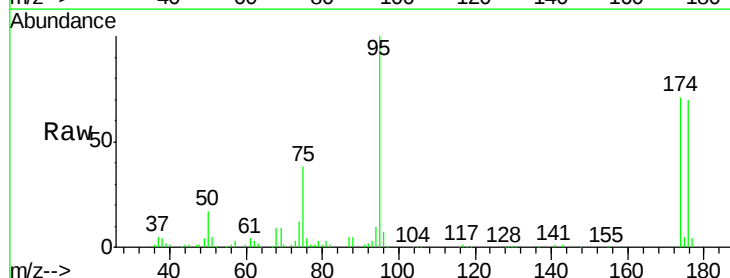
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

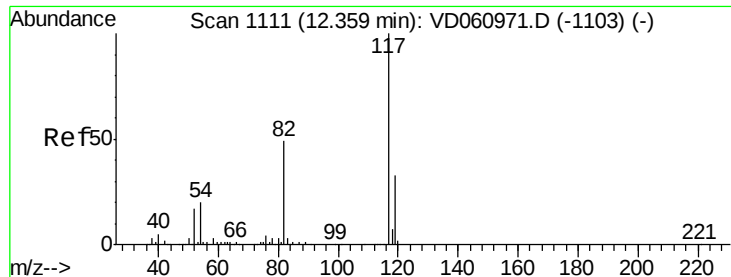
Tot Ion:107 Resp: 313593
 Ion Ratio Lower Upper
 107 100
 109 96.6 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 46.641 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

Tgt Ion: 95 Resp: 394119
 Ion Ratio Lower Upper
 95 100
 174 70.5 0.0 155.6
 176 70.0 0.0 153.8

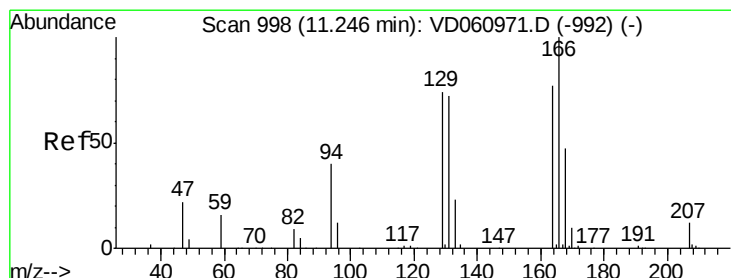
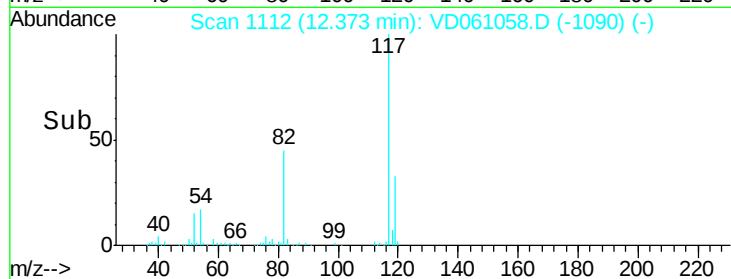
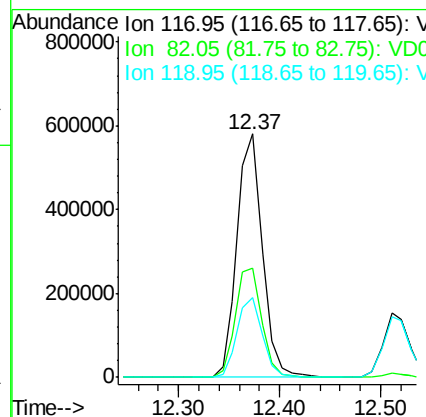
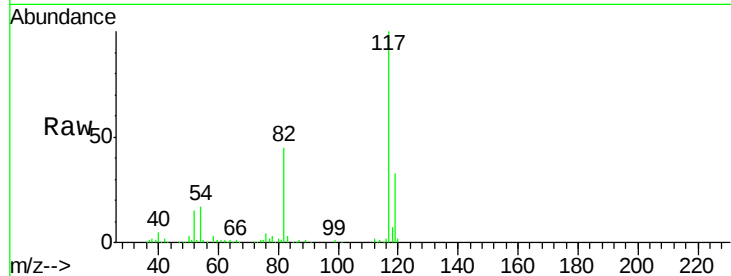




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

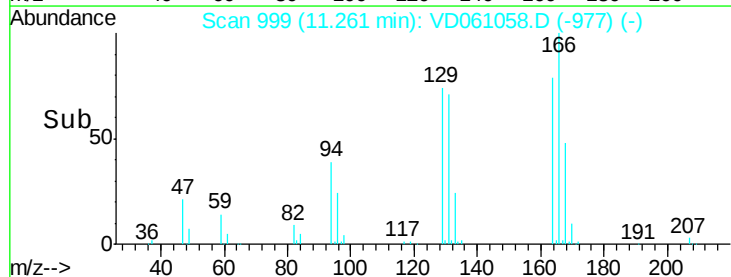
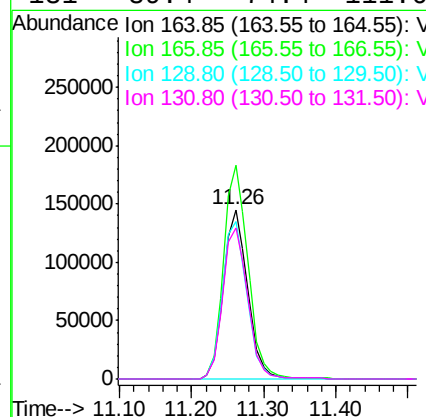
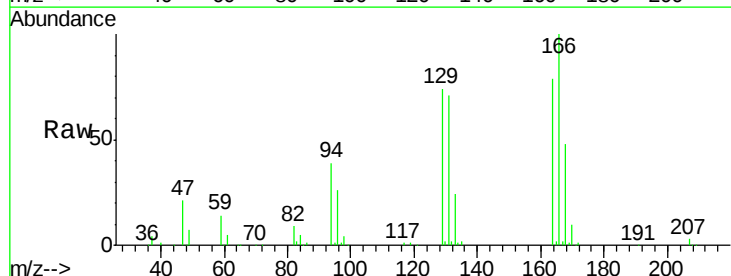
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

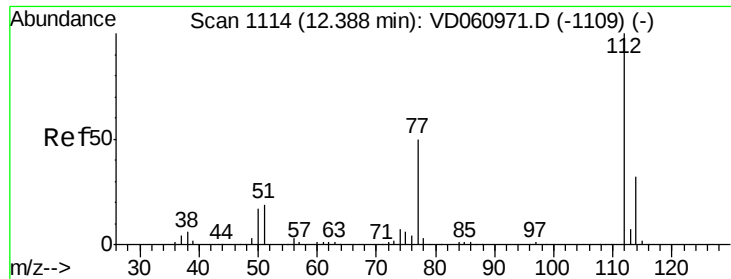
Tot Ion:117 Resp: 1015371
Ion Ratio Lower Upper
117 100
82 45.0 38.9 58.3
119 32.6 26.6 39.8



#64
Tetrachloroethene
Concen: 48.856 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

Tgt Ion:164 Resp: 334866
Ion Ratio Lower Upper
164 100
166 126.1 103.4 155.0
129 92.9 76.9 115.3
131 89.4 74.4 111.6

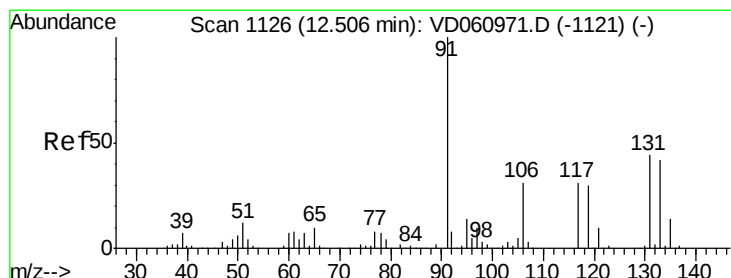
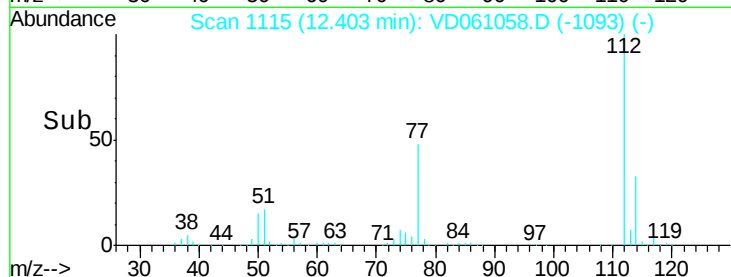
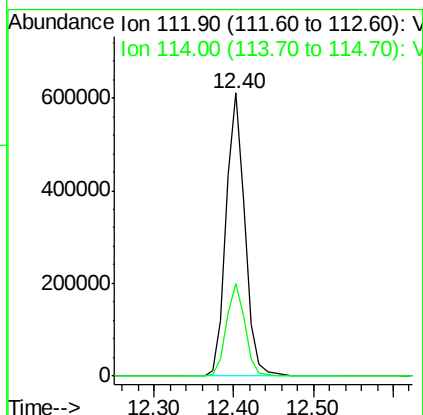
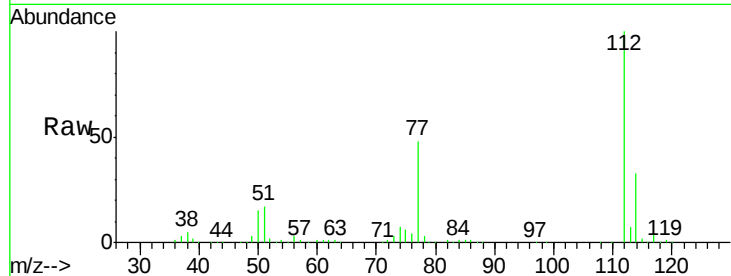




#65
Chlorobenzene
Concen: 51.043 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

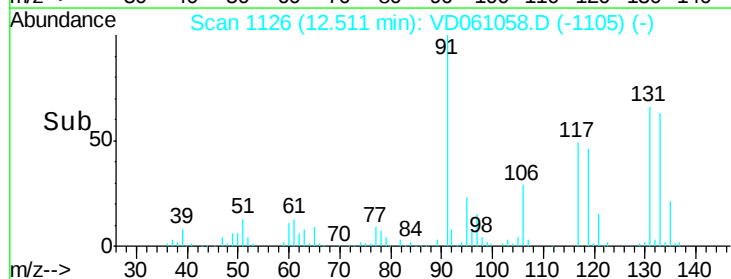
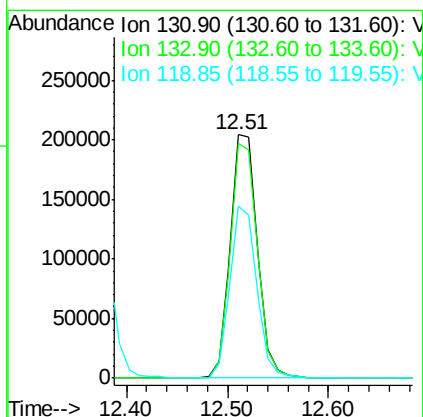
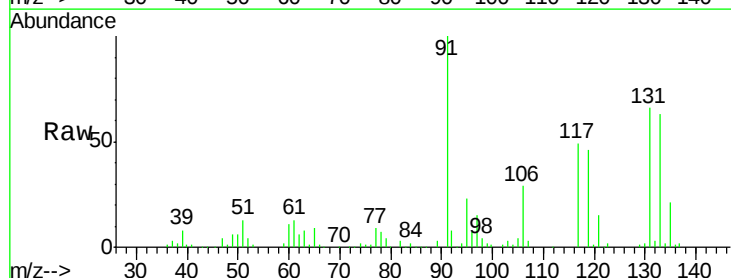
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1016045
Ion Ratio Lower Upper
112 100
114 32.7 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 53.612 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

Tgt Ion:131 Resp: 380398
Ion Ratio Lower Upper
131 100
133 96.6 47.8 143.3
119 70.7 34.3 102.9

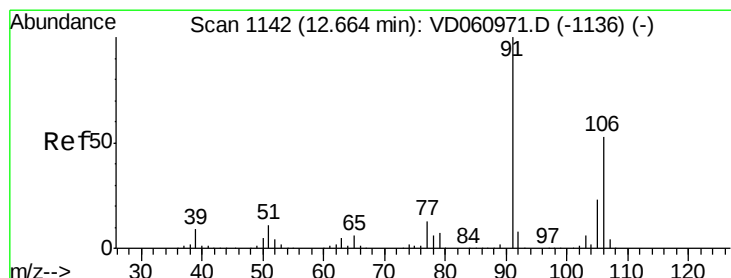
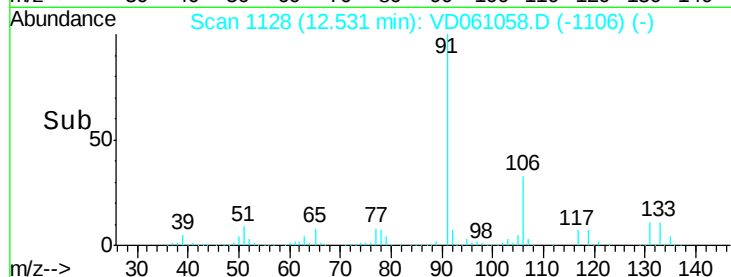
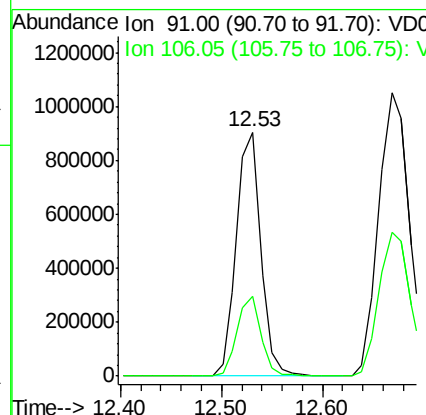
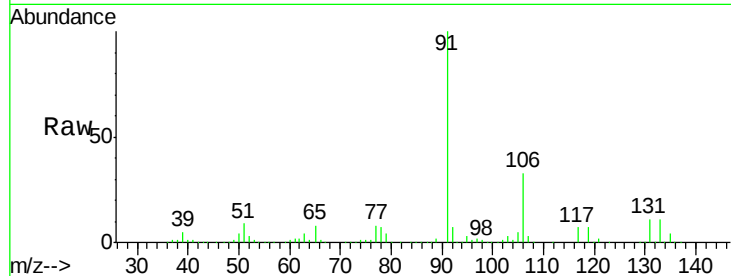




#67
Ethyl Benzene
Concen: 51.485 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

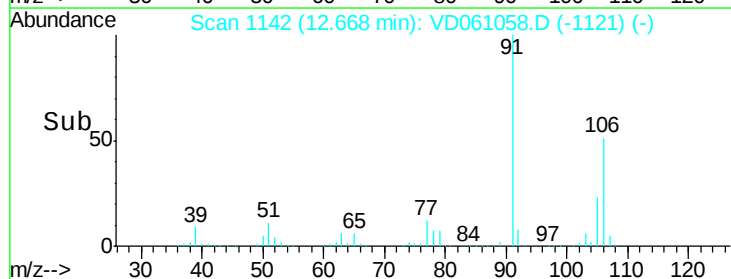
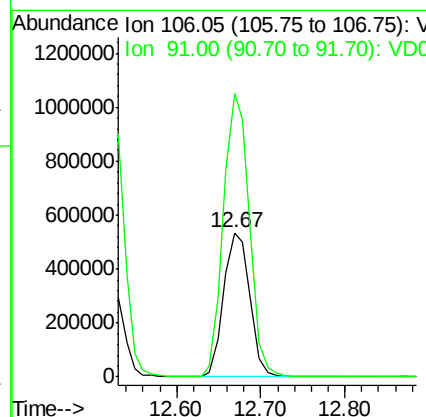
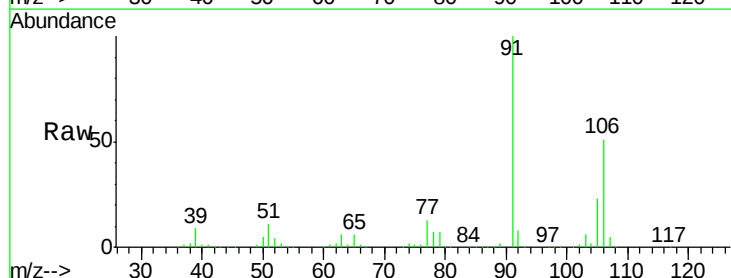
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

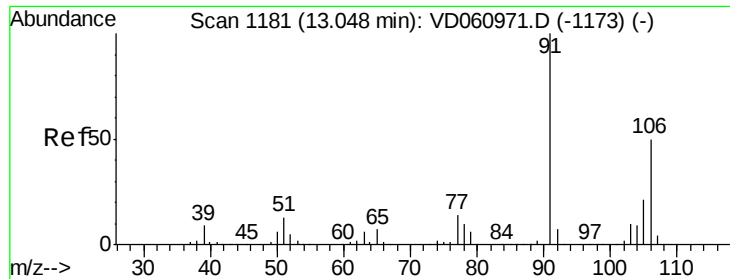
Tot Ion: 91 Resp: 1525718
Ion Ratio Lower Upper
91 100
106 33.0 25.7 38.5



#68
m/p-Xylenes
Concen: 98.528 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

Tgt Ion: 106 Resp: 1146010
Ion Ratio Lower Upper
106 100
91 196.8 152.0 228.0

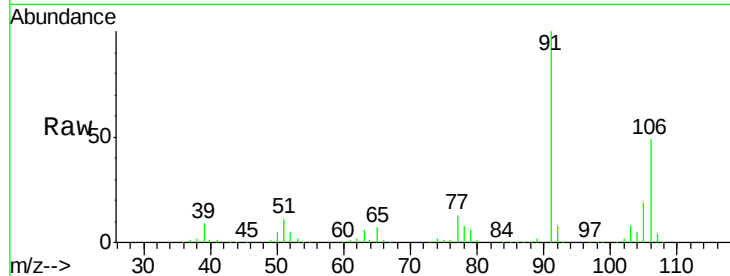




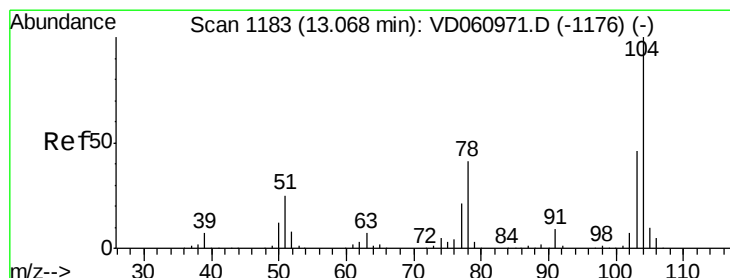
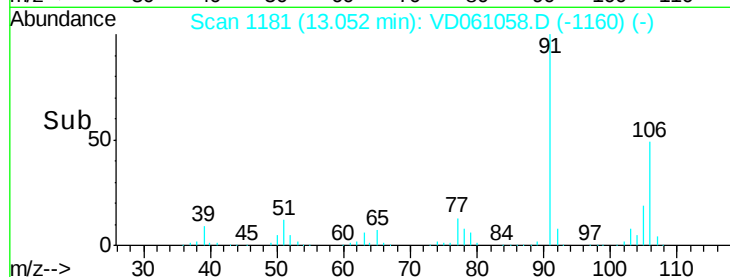
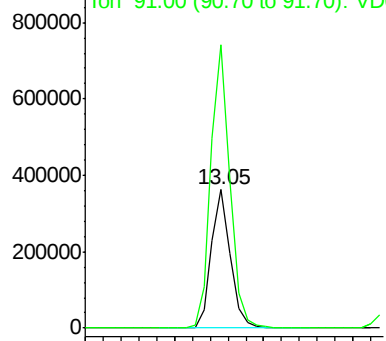
#69
o-Xylene
Concen: 47.169 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 539290
Ion Ratio Lower Upper
106 100
91 204.3 99.8 299.3

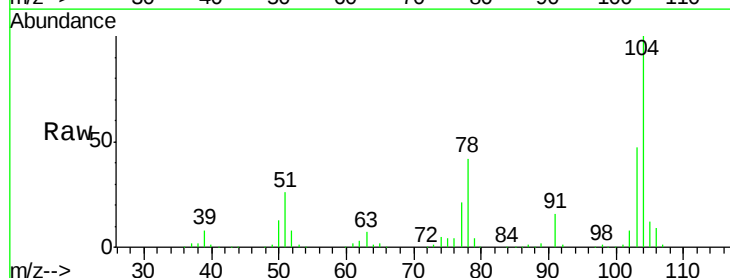


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

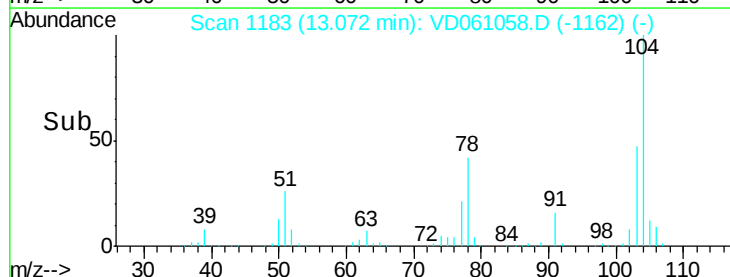
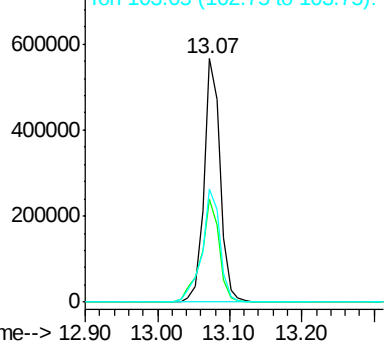


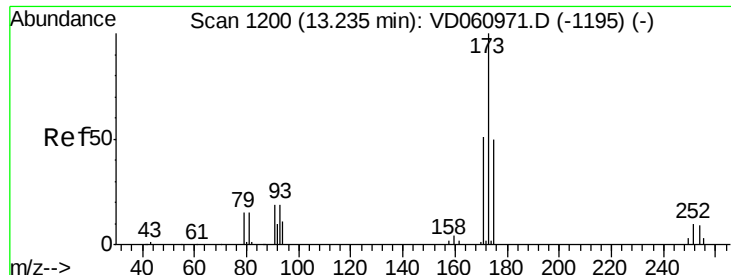
#70
Styrene
Concen: 47.329 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

Tgt Ion:104 Resp: 883599
Ion Ratio Lower Upper
104 100
78 42.2 33.0 49.4
103 46.6 37.1 55.7



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: 51.913 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

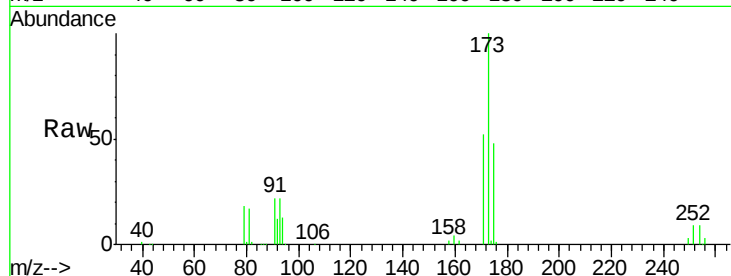
Tot Ion:173 Resp: 237619

Ion Ratio Lower Upper

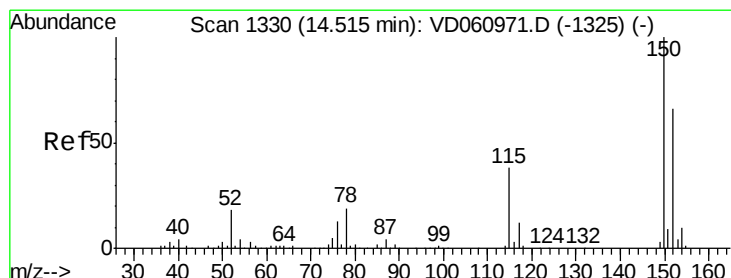
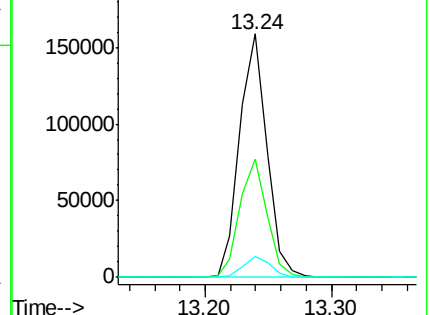
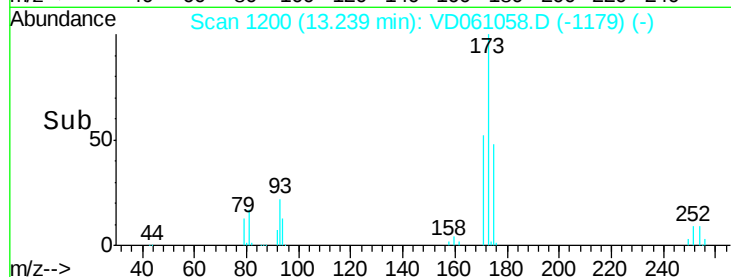
173 100

175 48.4 24.9 74.8

254 8.8 7.3 10.9



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

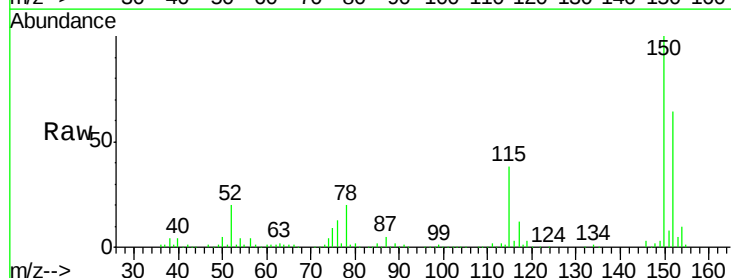
Tgt Ion:152 Resp: 470563

Ion Ratio Lower Upper

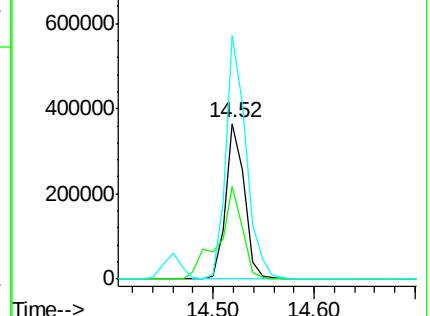
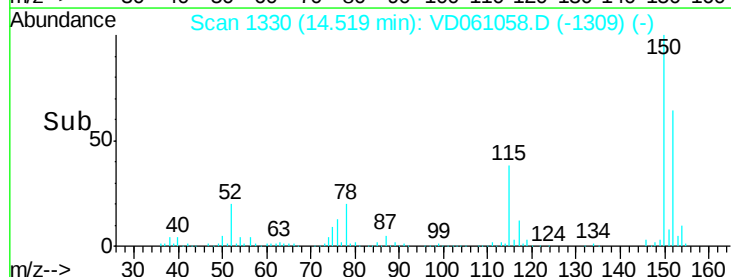
152 100

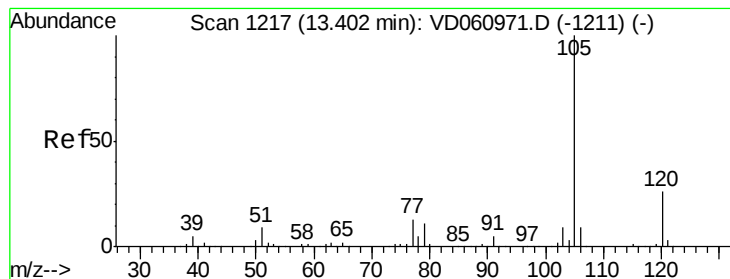
115 59.0 28.6 85.9

150 156.2 0.0 310.6



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: 43.125 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

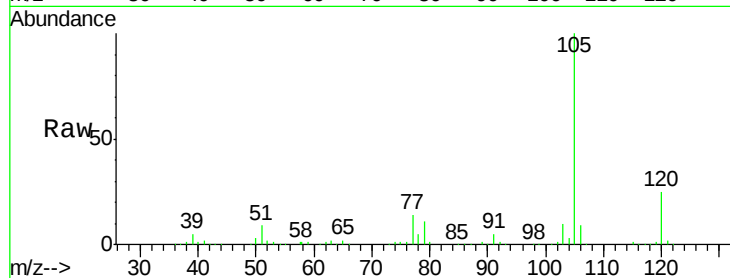
VSTDCCC050

Tot Ion:105 Resp: 1462472

Ion Ratio Lower Upper

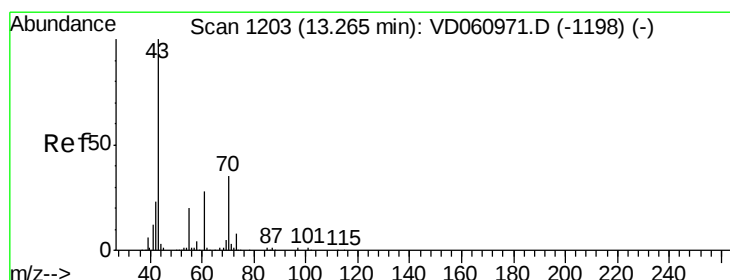
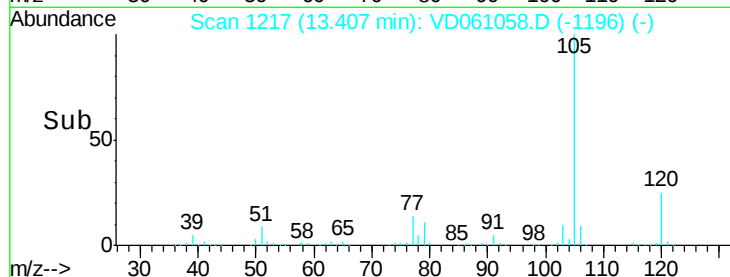
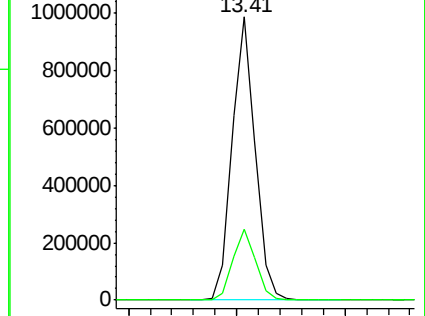
105 100

120 25.2 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 45.832 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Tgt Ion: 43 Resp: 437652

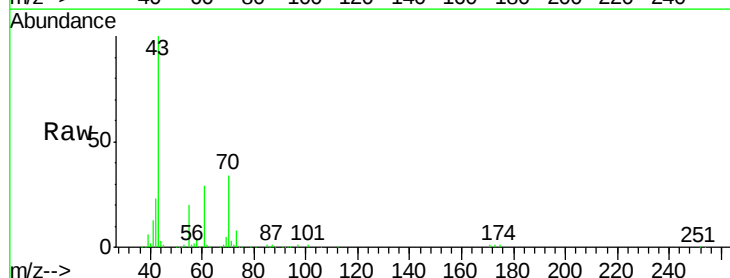
Ion Ratio Lower Upper

43 100

70 34.4 27.7 41.5

55 19.9 16.2 24.2

61 28.9 22.3 33.5

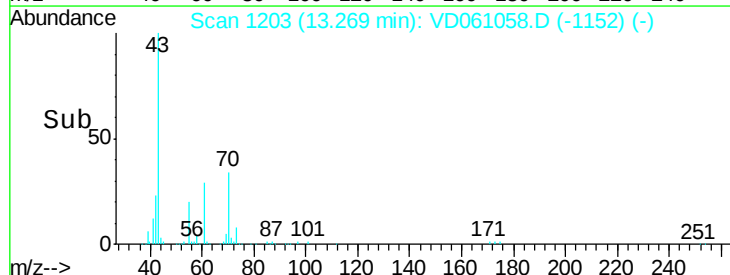
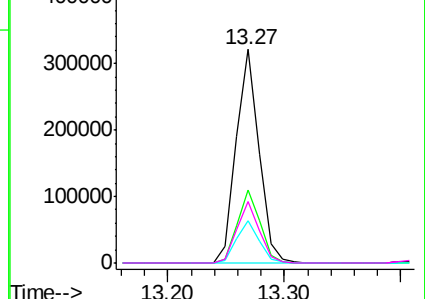


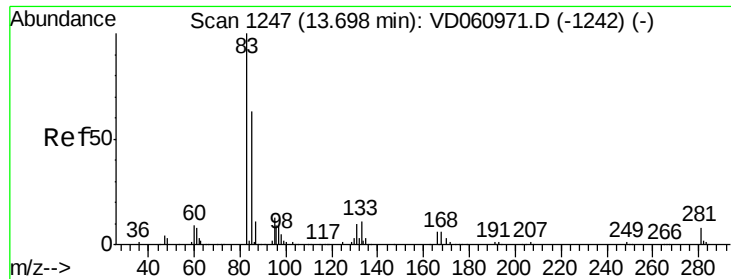
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 46.566 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

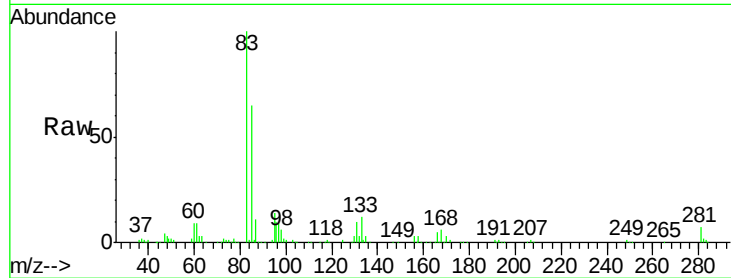
Tot Ion: 83 Resp: 308107

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.3

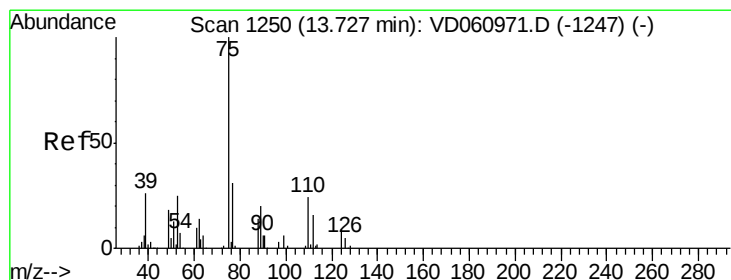
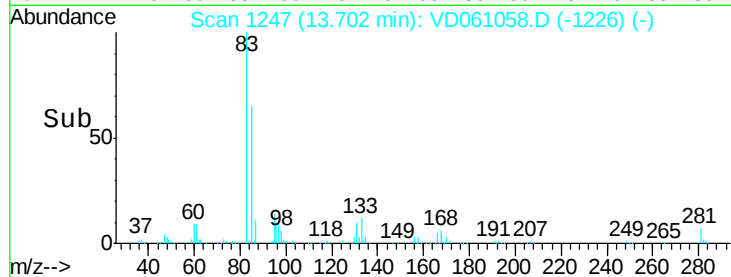
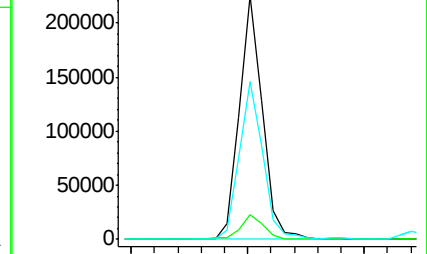
85 64.8 31.5 94.5



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: 46.433 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD061058.D

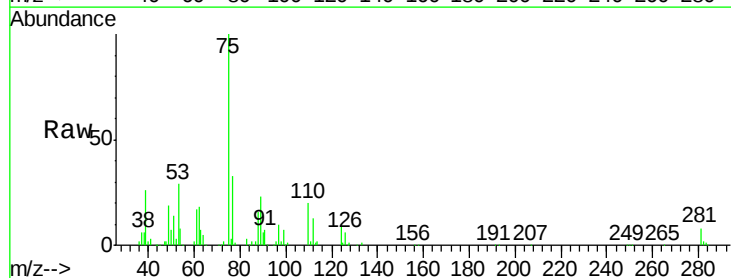
Acq: 14 Mar 2019 11:49

Tgt Ion: 75 Resp: 314350

Ion Ratio Lower Upper

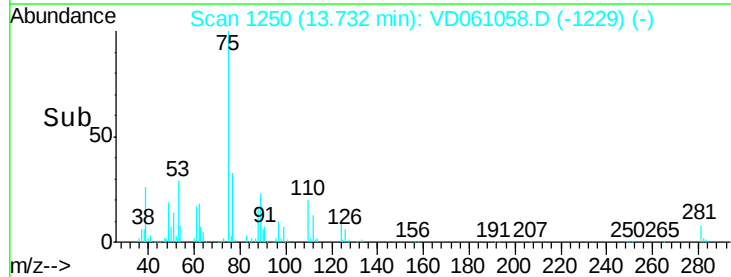
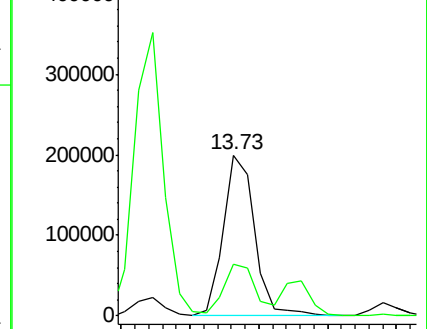
75 100

77 32.5 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 47.432 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

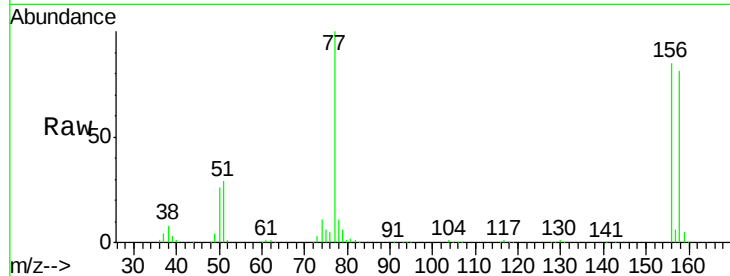
Tot Ion:156 Resp: 410616

Ion Ratio Lower Upper

156 100

77 118.3 55.5 166.7

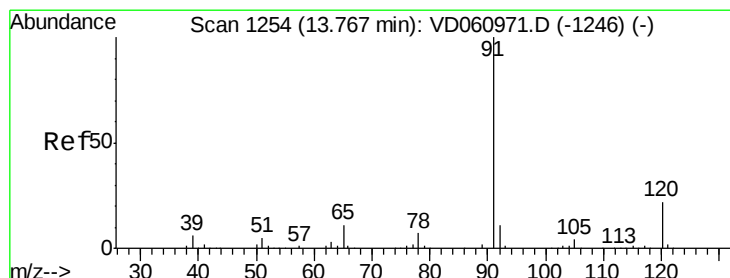
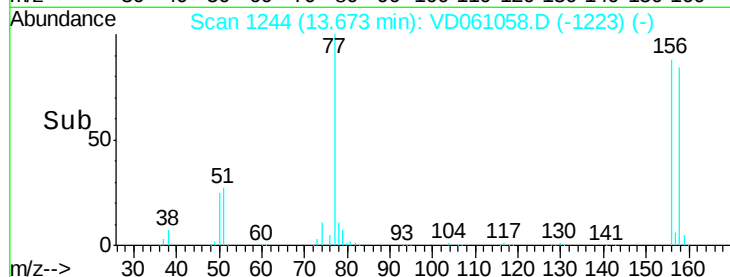
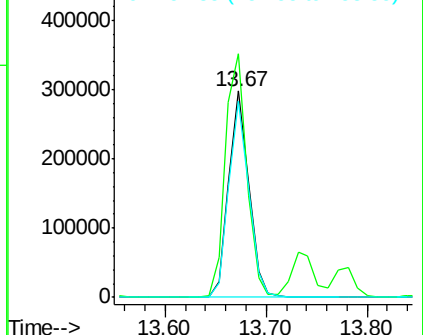
158 95.5 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 46.318 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061058.D

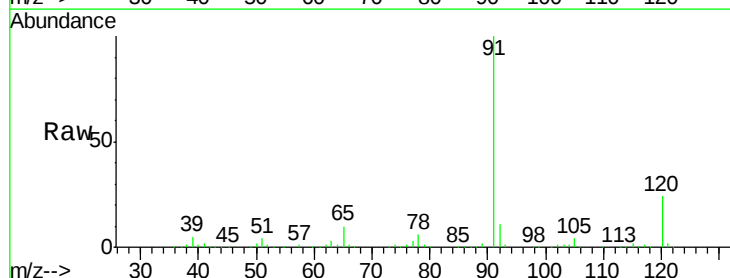
Acq: 14 Mar 2019 11:49

Tgt Ion: 91 Resp: 1838862

Ion Ratio Lower Upper

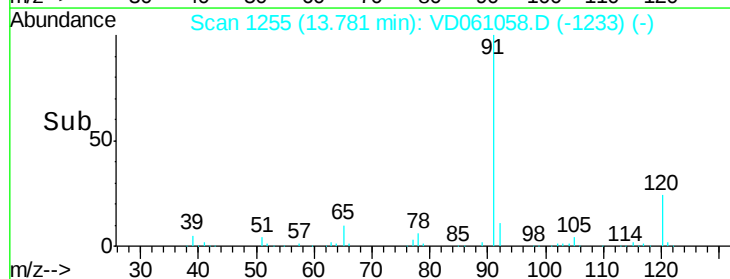
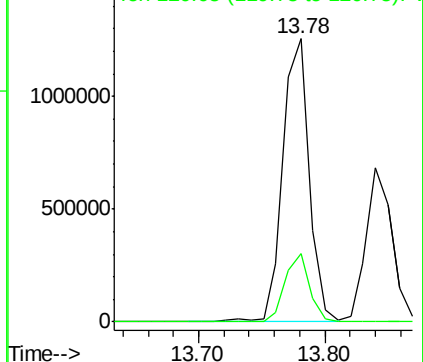
91 100

120 24.2 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 44.501 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

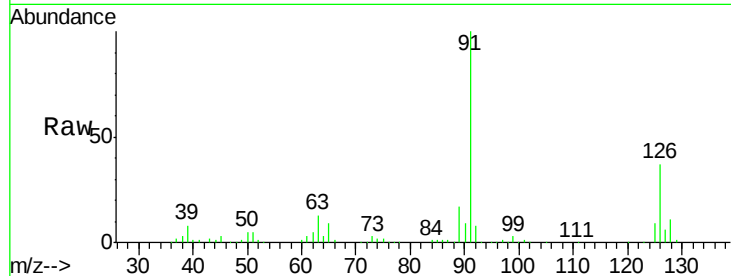
VSTDCCC050

Tot Ion: 91 Resp: 972656

Ion Ratio Lower Upper

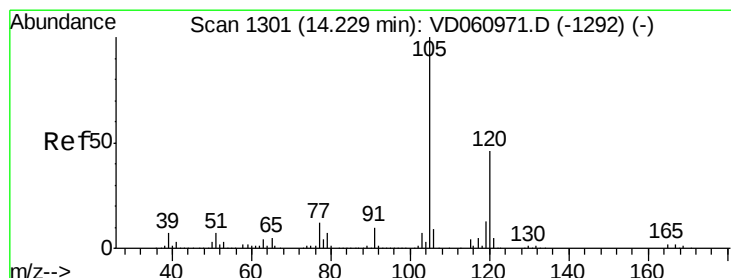
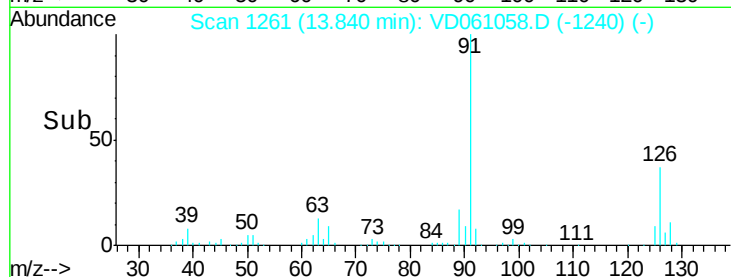
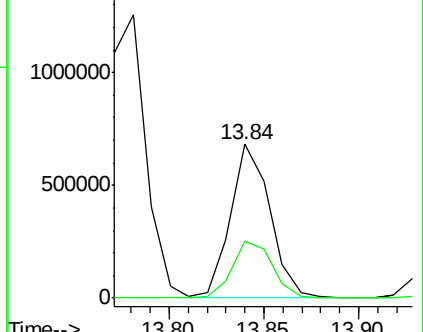
91 100

126 36.6 18.6 55.6



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: 44.097 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD061058.D

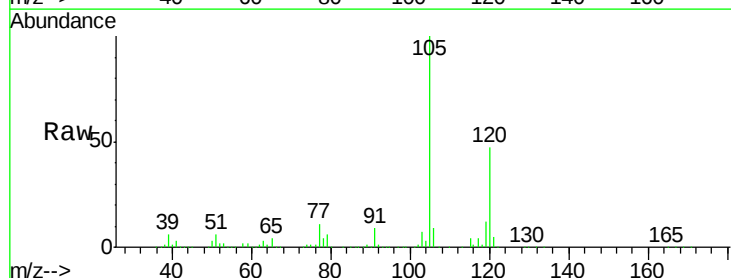
Acq: 14 Mar 2019 11:49

Tgt Ion:105 Resp: 1135283

Ion Ratio Lower Upper

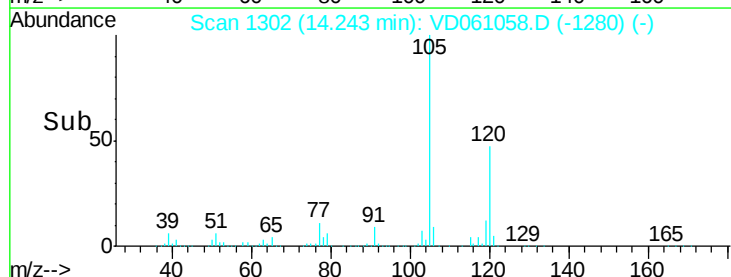
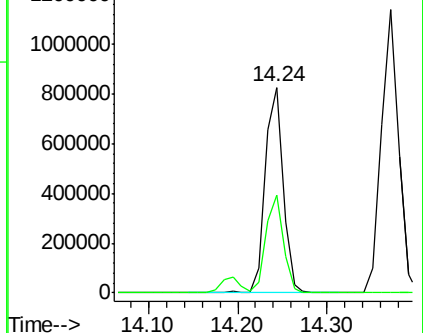
105 100

120 47.3 22.9 68.5



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: 46.182 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

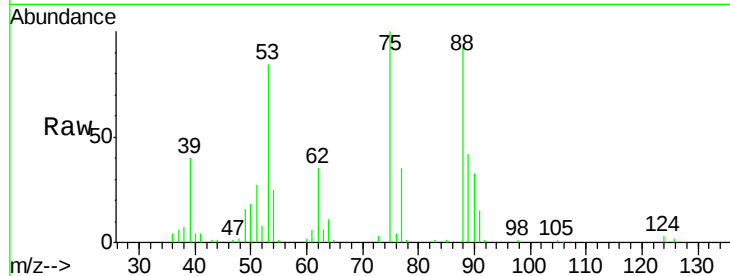
Tot Ion: 75 Resp: 92175

Ion Ratio Lower Upper

75 100

53 84.0 64.4 96.6

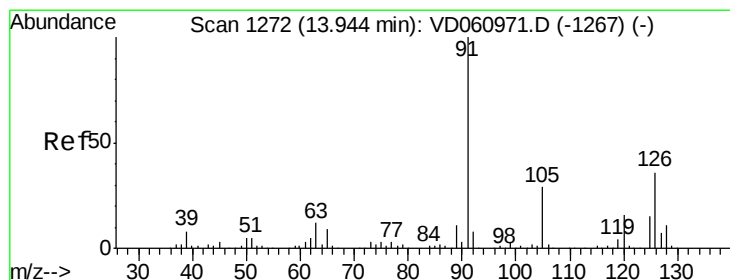
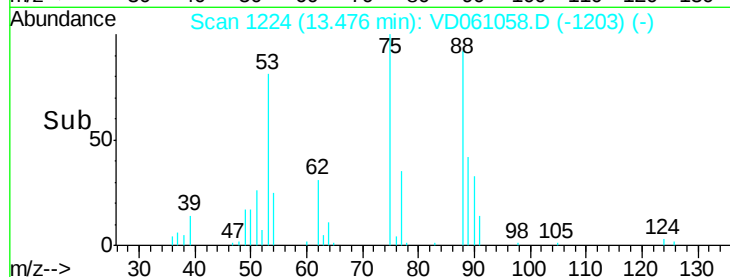
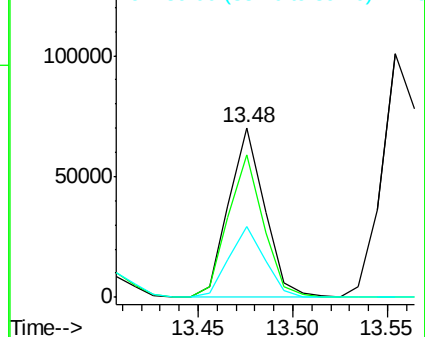
89 41.8 34.8 52.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 40.968 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD061058.D

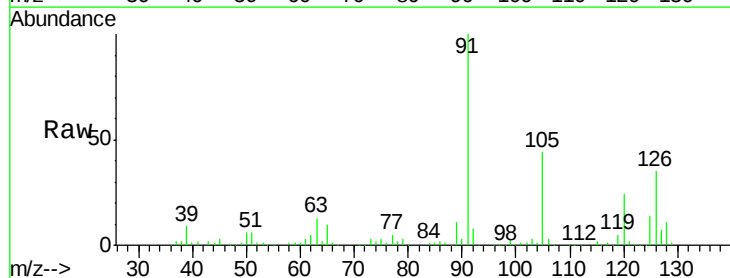
Acq: 14 Mar 2019 11:49

Tgt Ion: 91 Resp: 1058577

Ion Ratio Lower Upper

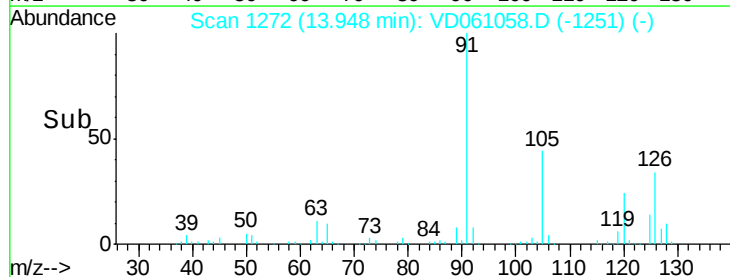
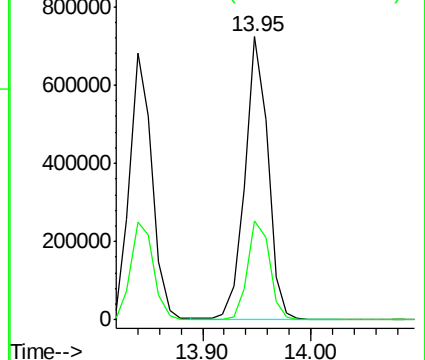
91 100

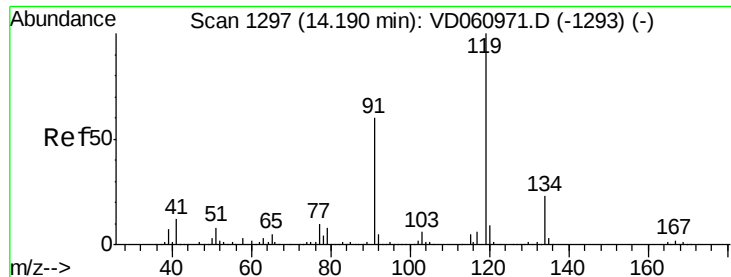
126 34.9 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

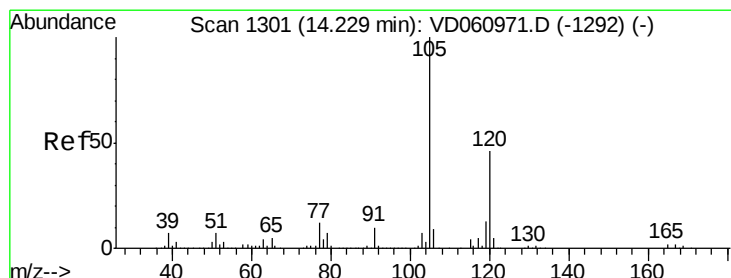
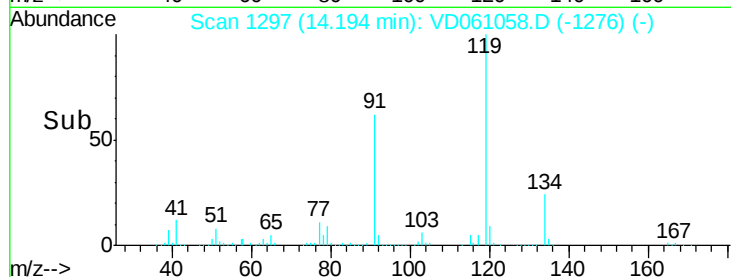
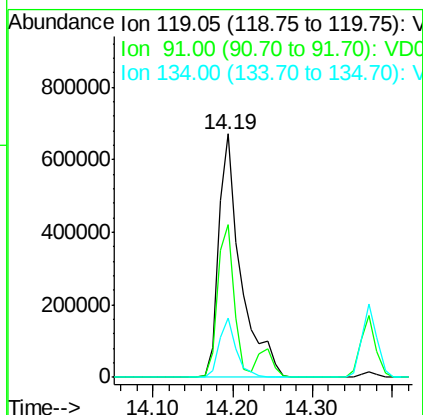
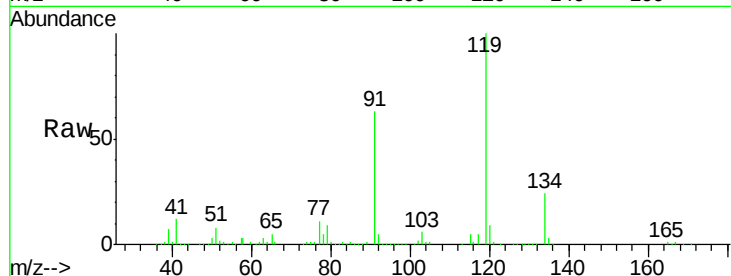




#83
tert-Butylbenzene
Concen: 46.533 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

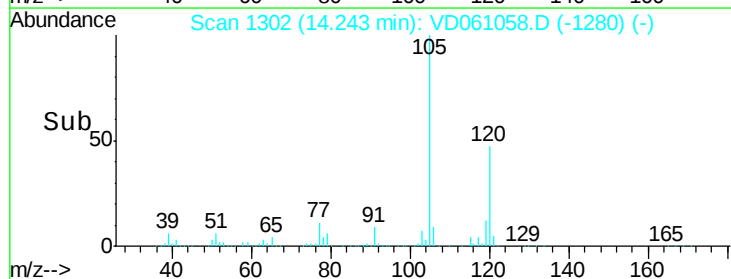
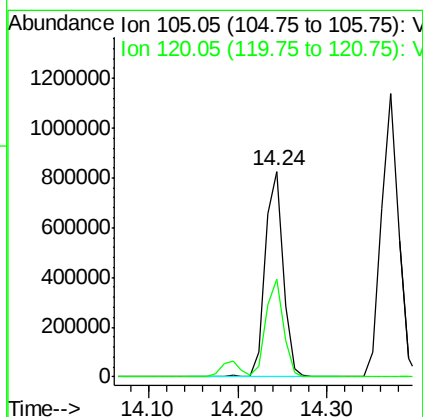
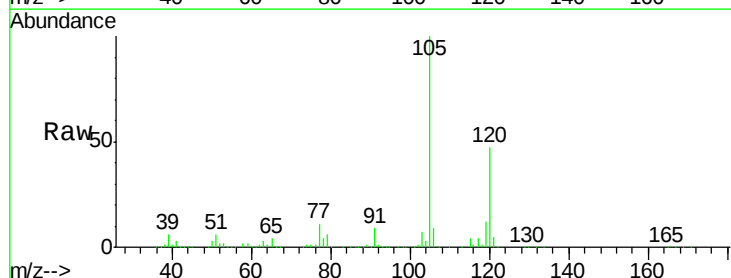
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

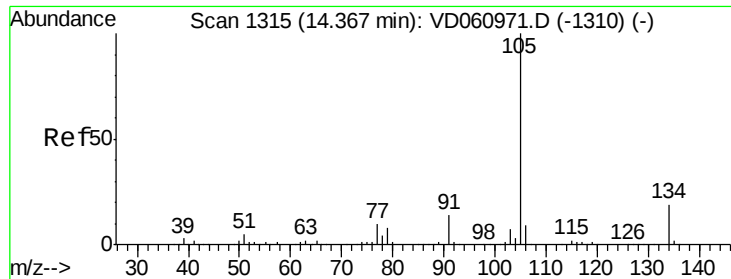
Tot Ion:119 Resp: 1311063
Ion Ratio Lower Upper
119 100
91 62.8 30.1 90.3
134 24.4 11.6 34.7



#84
1,2,4-Trimethylbenzene
Concen: 44.097 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

Tgt Ion:105 Resp: 1135283
Ion Ratio Lower Upper
105 100
120 47.3 22.9 68.5





#85

sec-Butylbenzene

Concen: 43.771 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

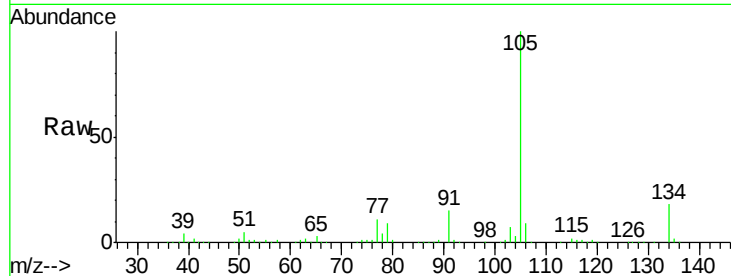
VSTDCCC050

Tot Ion:105 Resp: 1505568

Ion Ratio Lower Upper

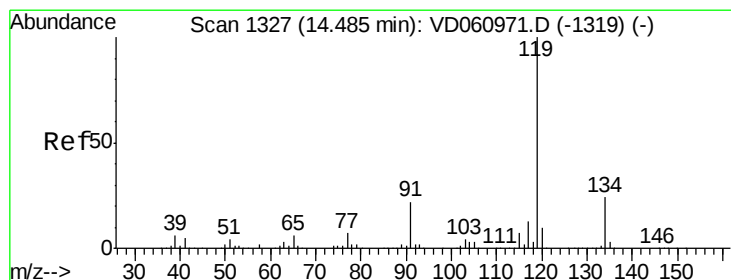
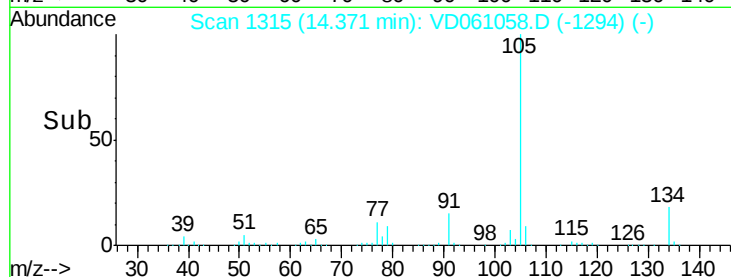
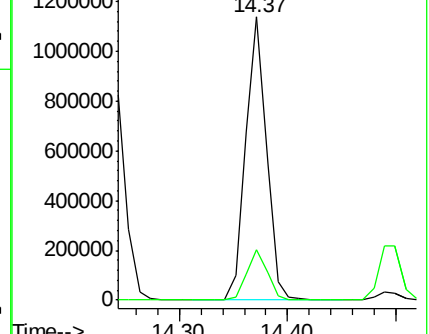
105 100

134 17.8 9.4 28.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 46.306 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

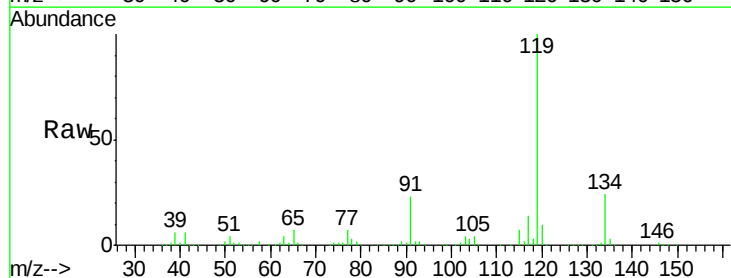
Tgt Ion:119 Resp: 1301903

Ion Ratio Lower Upper

119 100

134 23.8 12.0 36.1

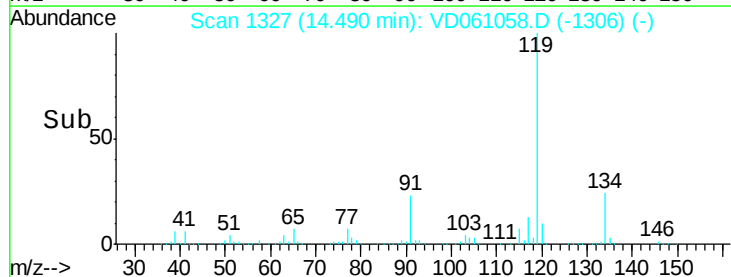
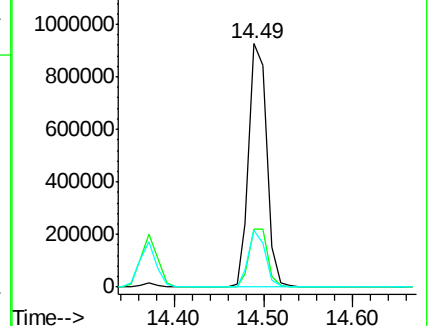
91 23.5 11.2 33.6

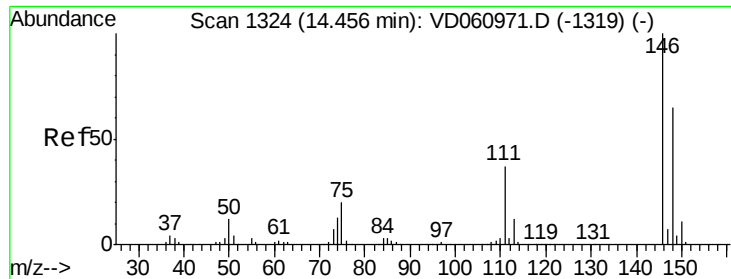


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

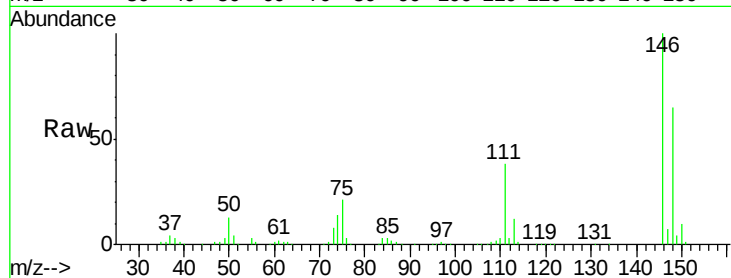




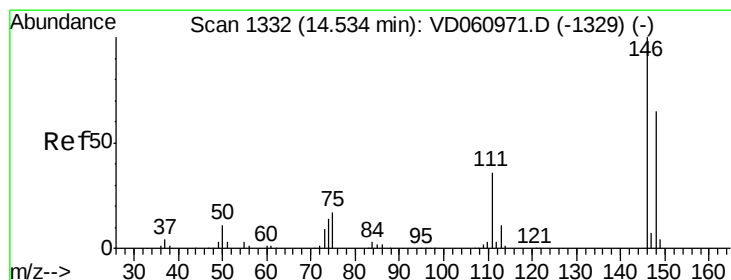
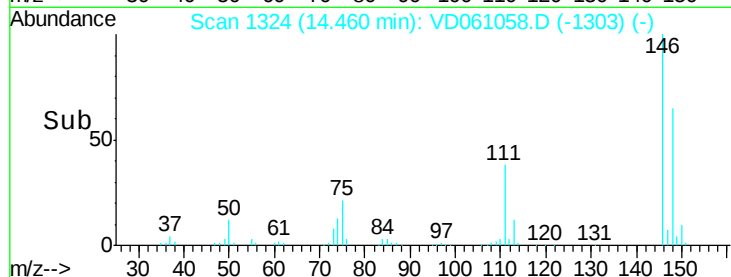
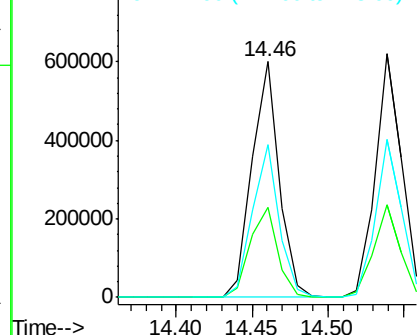
#87
 1,3-Dichlorobenzene
 Concen: 48.525 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 750111
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.4 55.4
 148 64.5 32.5 97.4

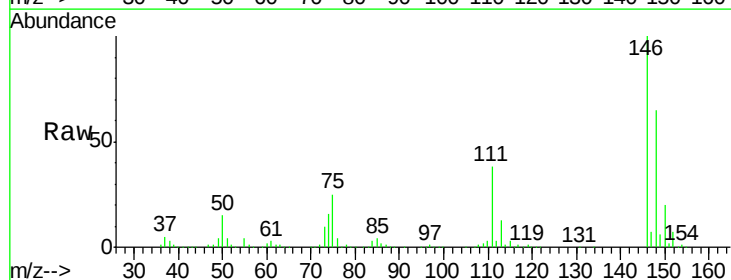


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

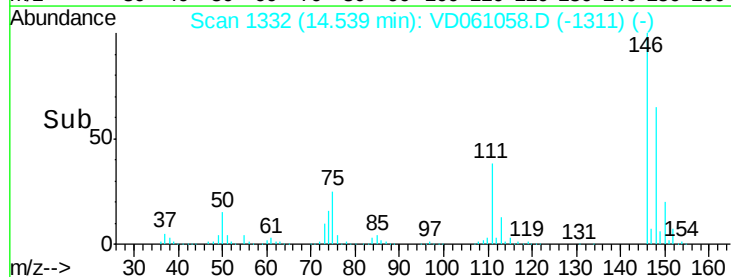
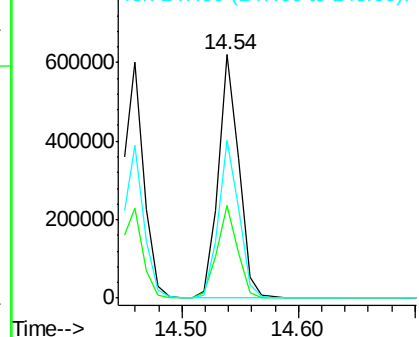


#88
 1,4-Dichlorobenzene
 Concen: 49.819 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

Tgt Ion:146 Resp: 756768
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.4 55.2
 148 64.8 32.5 97.5



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





#89

n-Butylbenzene

Concen: 43.652 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

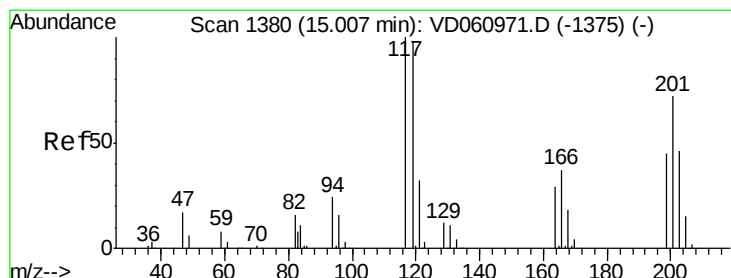
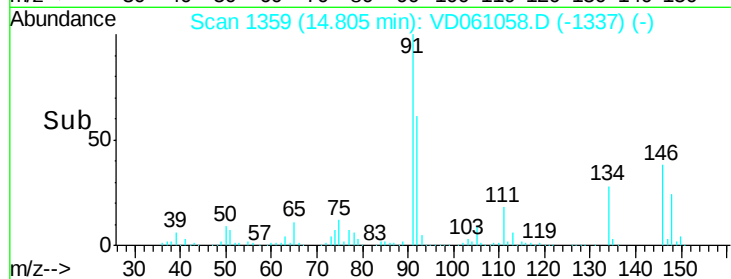
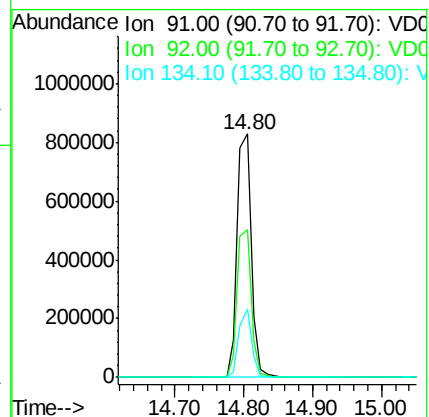
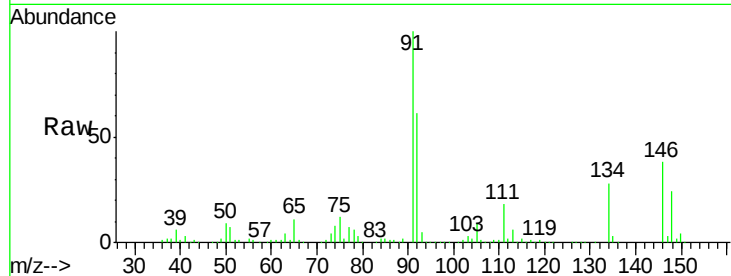
Tot Ion: 91 Resp: 1178594

Ion Ratio Lower Upper

91 100

92 60.6 30.6 91.8

134 28.1 11.0 33.0



#90

Hexachloroethane

Concen: 47.473 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD061058.D

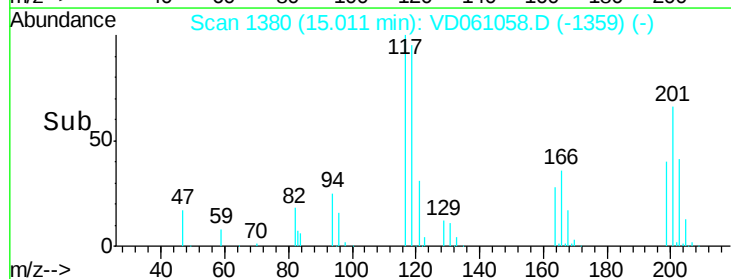
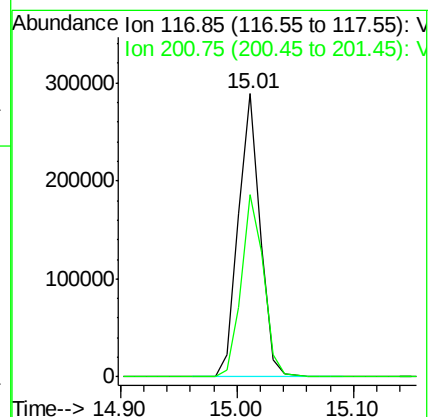
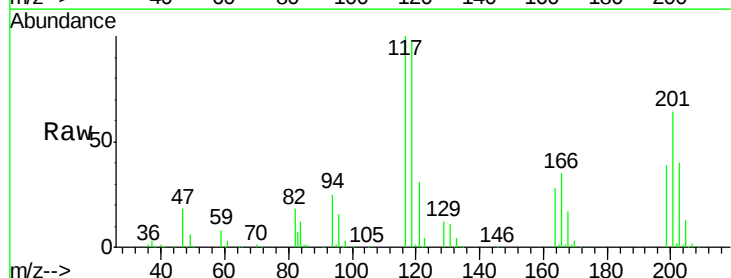
Acq: 14 Mar 2019 11:49

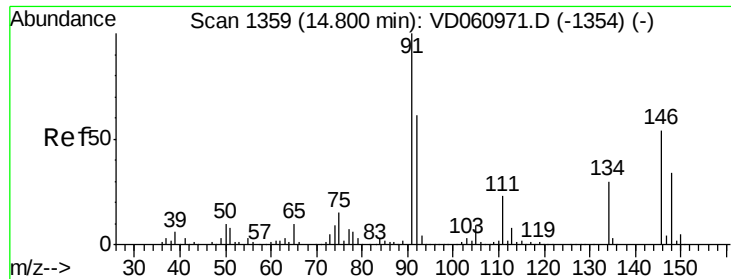
Tgt Ion: 117 Resp: 376891

Ion Ratio Lower Upper

117 100

201 64.2 36.2 108.6

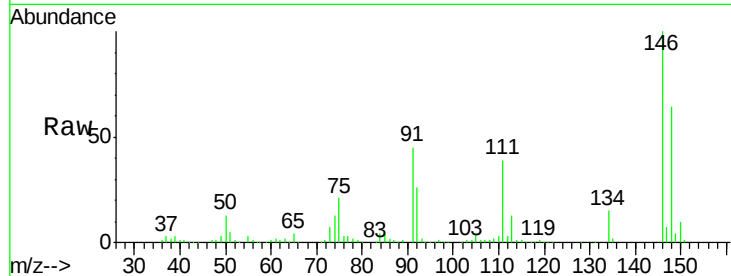




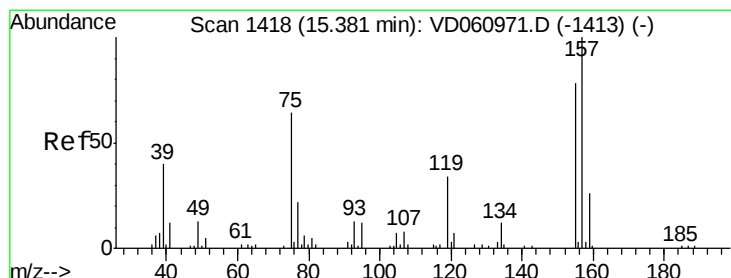
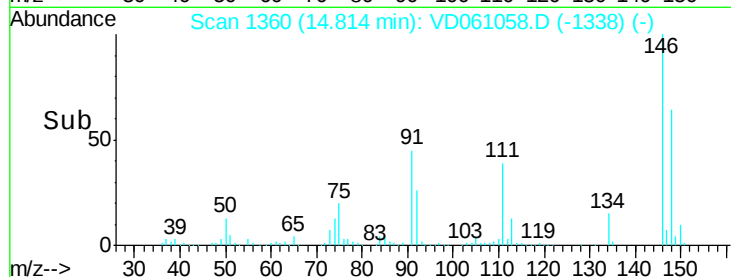
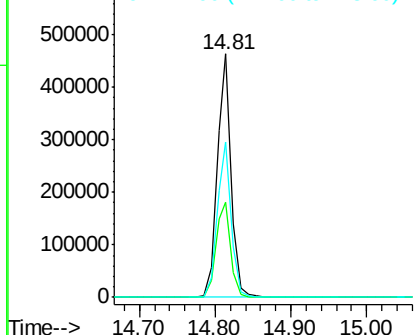
#91
 1,2-Dichlorobenzene
 Concen: 46.234 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 595813
 Ion Ratio Lower Upper
 146 100
 111 39.0 21.5 64.5
 148 63.6 30.9 92.8

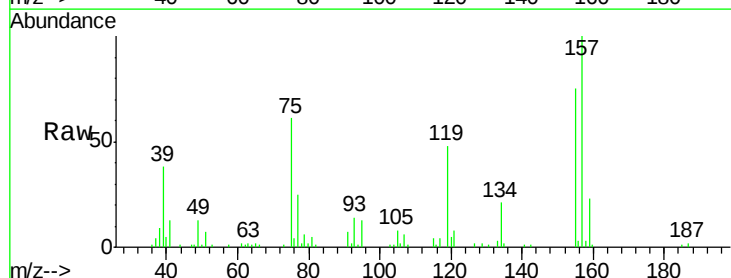


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

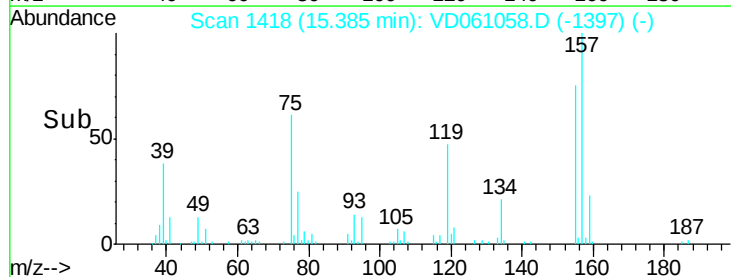
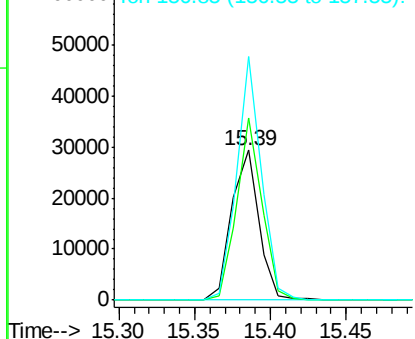


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.025 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

Tgt Ion: 75 Resp: 36697
 Ion Ratio Lower Upper
 75 100
 155 121.7 61.2 183.5
 157 162.7 78.3 234.8



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

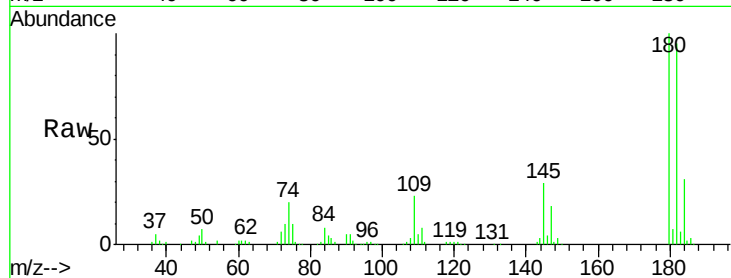




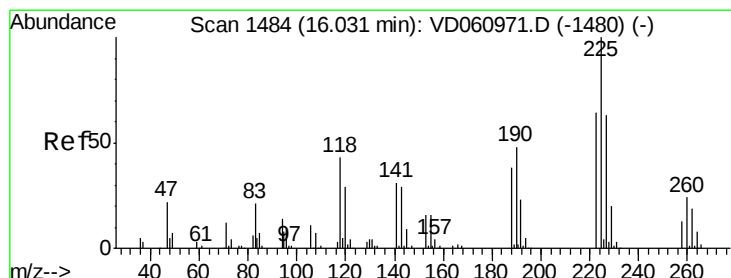
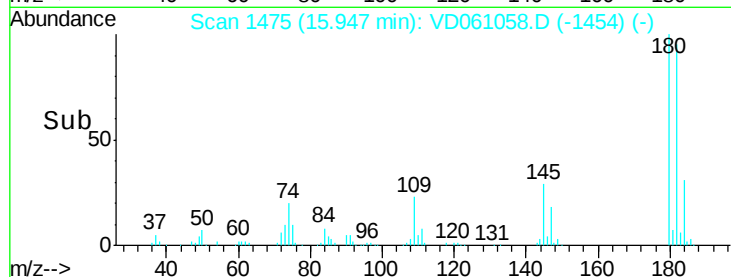
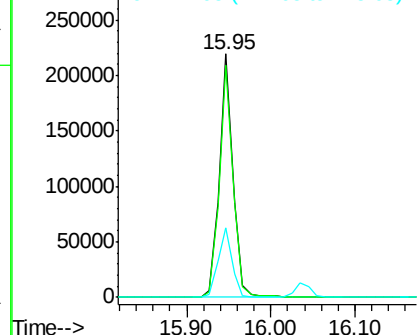
#93
 1,2,4-Trichlorobenzene
 Concen: 41.226 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 246457
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.3 142.0
 145 28.8 14.4 43.0

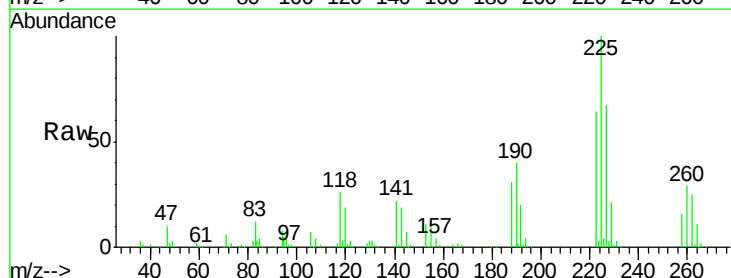


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

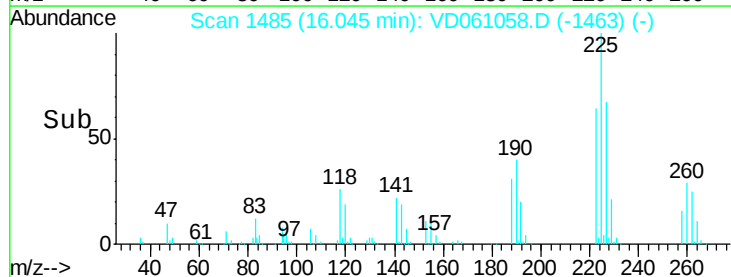
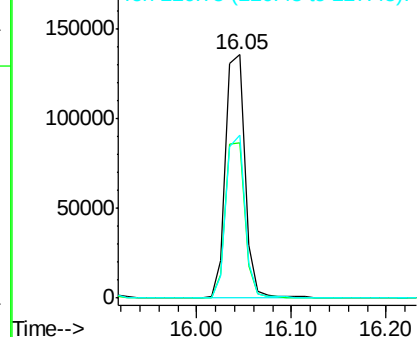


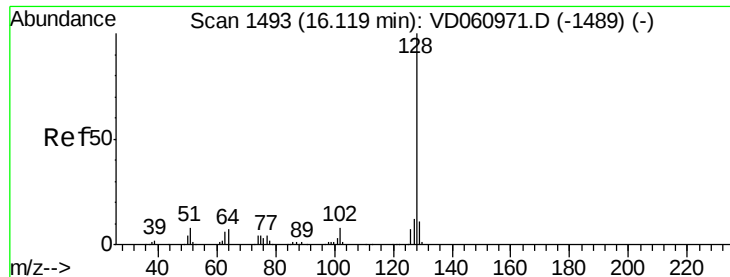
#94
 Hexachlorobutadiene
 Concen: 42.738 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

Tgt Ion:225 Resp: 193254
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.8 95.3
 227 67.1 31.4 94.0



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





#95

Naphthalene

Concen: 41.196 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

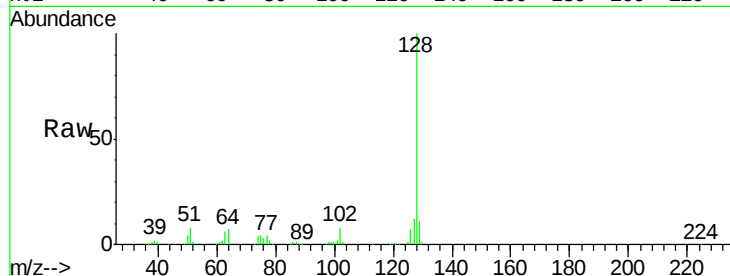
Tot Ion:128 Resp: 374250

Ion Ratio Lower Upper

128 100

127 11.8 9.8 14.8

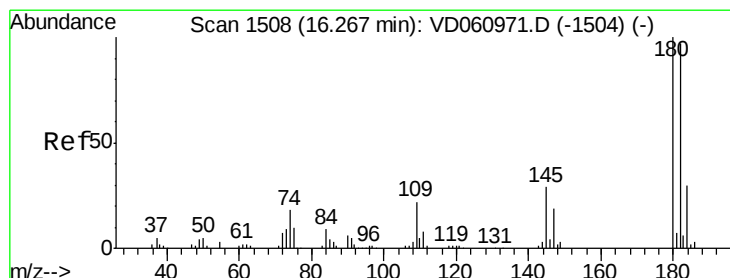
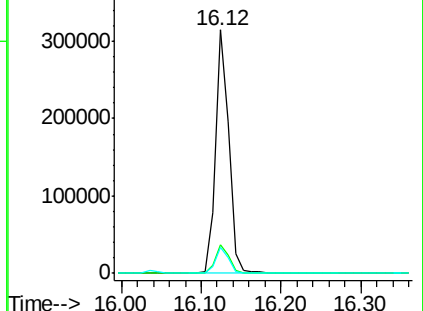
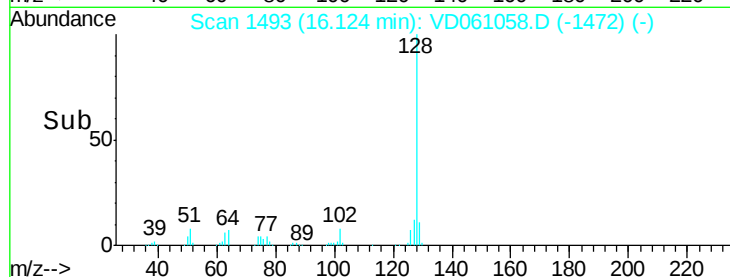
129 10.8 8.5 12.7



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: 36.976 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD061058.D

Acq: 14 Mar 2019 11:49

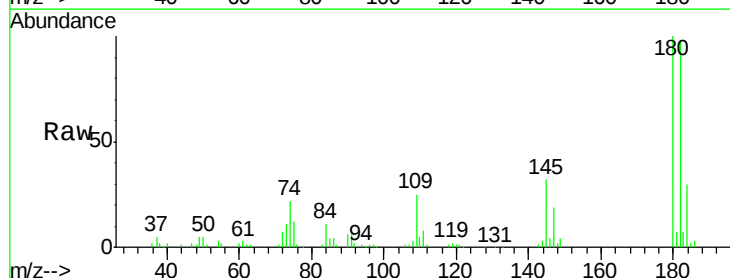
Tgt Ion:180 Resp: 109176

Ion Ratio Lower Upper

180 100

182 97.9 48.6 145.8

145 31.7 14.3 42.9



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

