

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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Response via : Initial Calibration

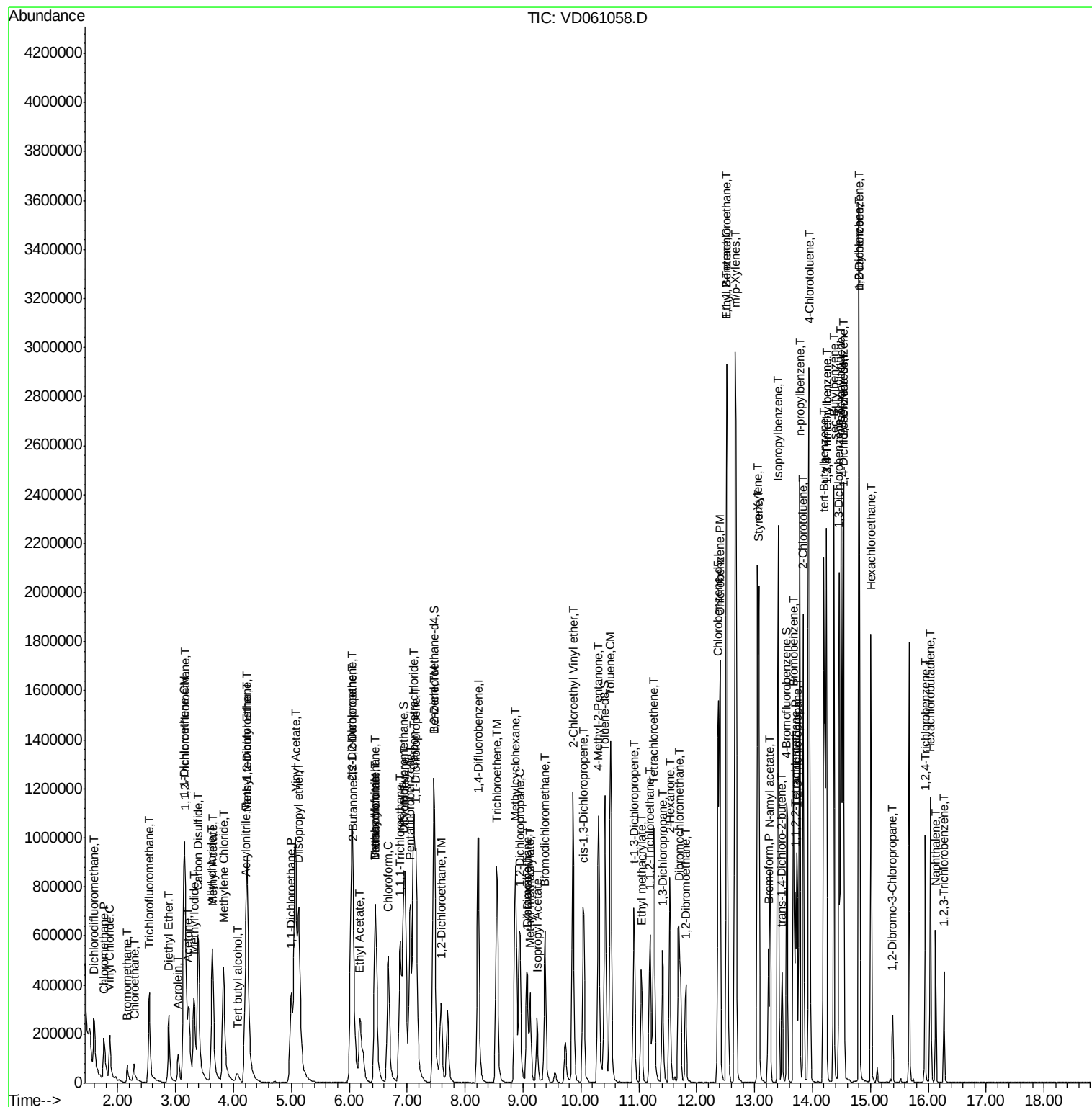
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	246457	41.226	ug/l	100
94) Hexachlorobutadiene	16.05	225	193254	42.738	ug/l	97
95) Naphthalene	16.12	128	374250	41.196	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	109176	36.976	ug/l	98

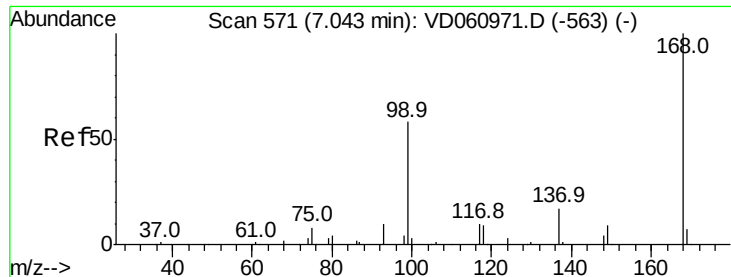
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

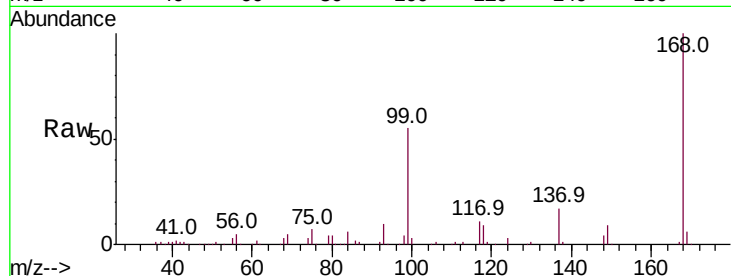
VSTDCCC050

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

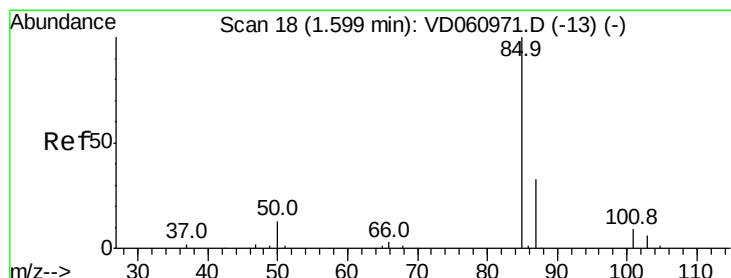
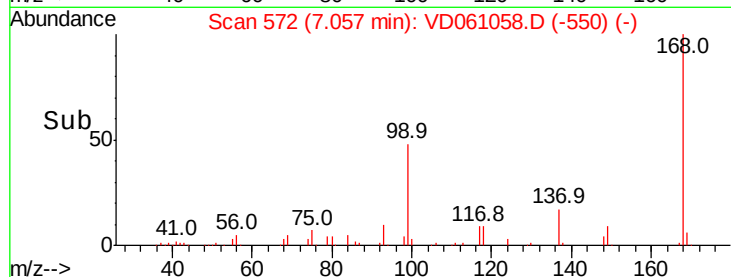
100000

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

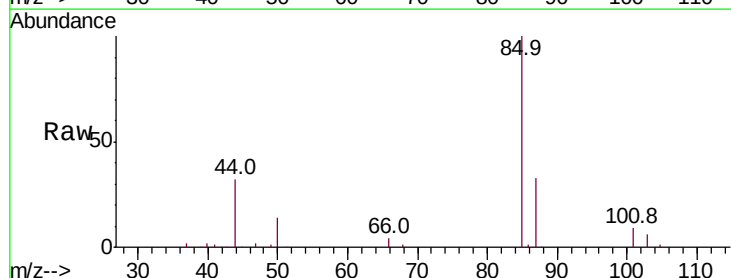
Acq: 14 Mar 2019 11:49

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

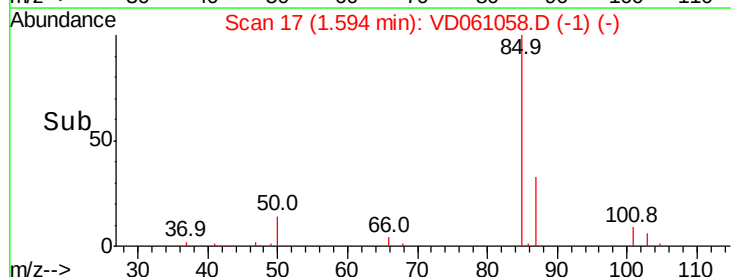
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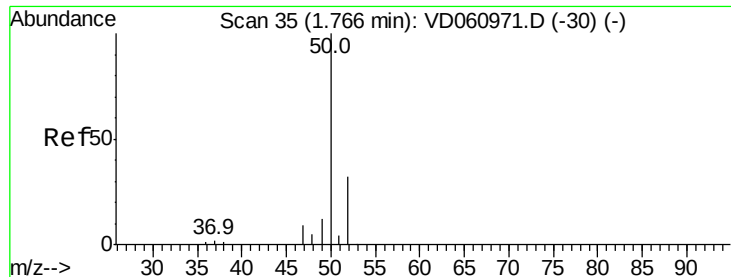
50000

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 :

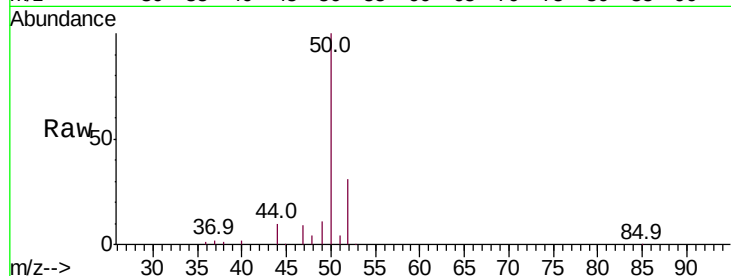
VSTDCCC050

Tot Ion: 50 Resp: 289546

Ion Ratio Lower Upper

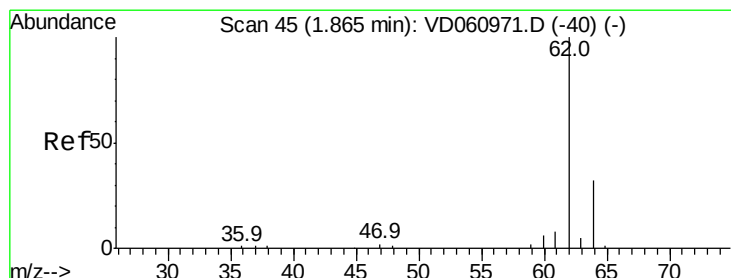
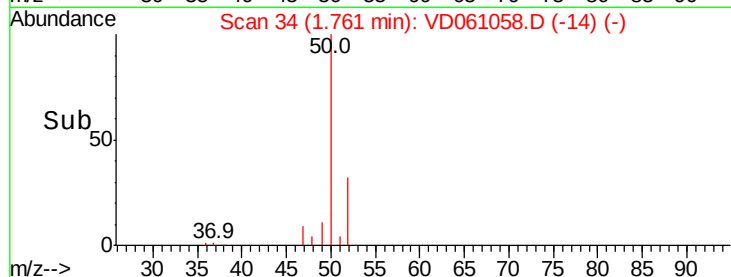
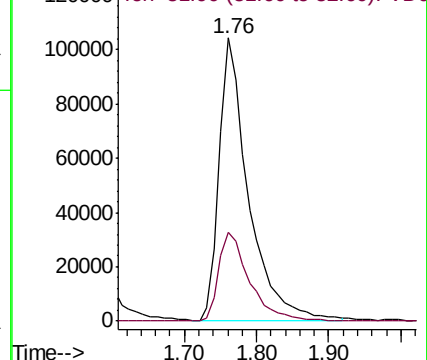
50 100

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

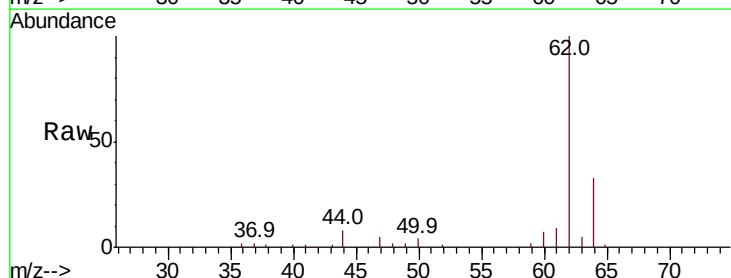
Acq: 14 Mar 2019 11:49

Tgt Ion: 62 Resp: 256651

Ion Ratio Lower Upper

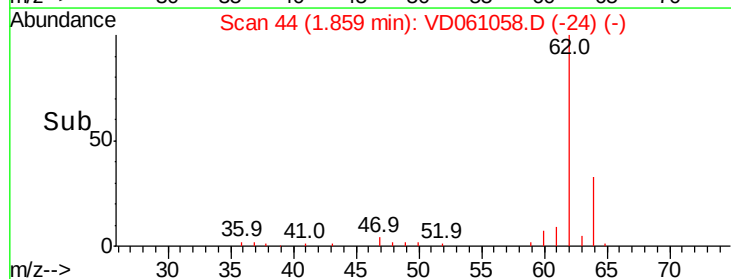
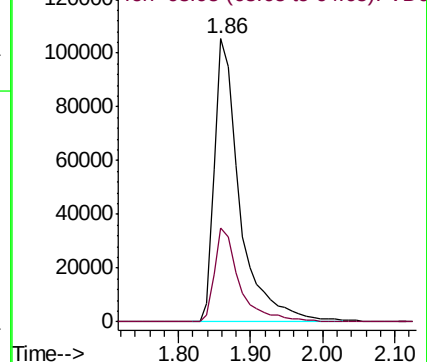
62 100

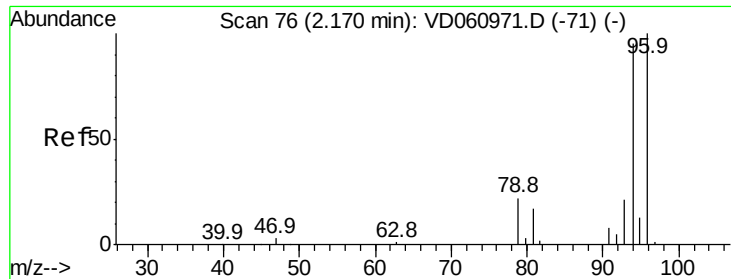
64 33.0 25.2 37.8



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

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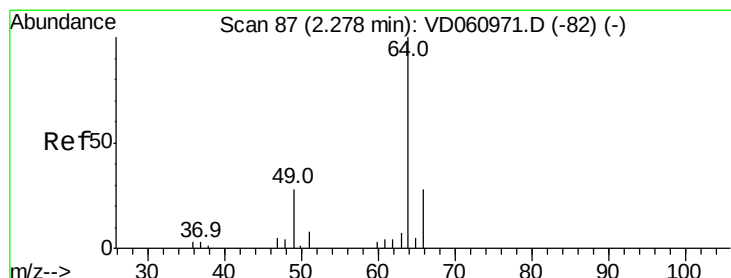
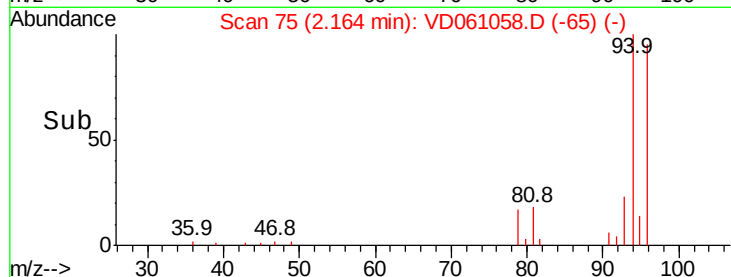
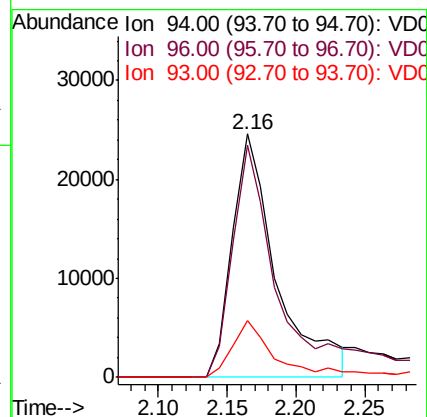
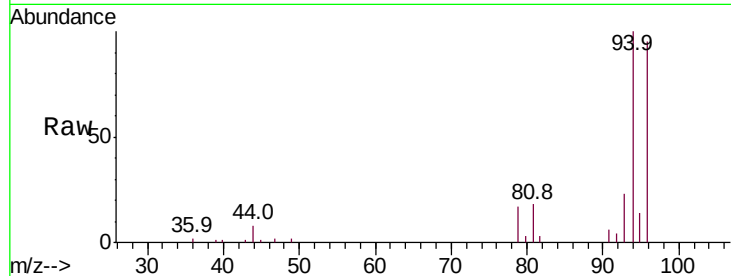
Tot Ion: 94 Resp: 55288

Ion Ratio Lower Upper

94 100

96 95.2 84.0 126.0

93 23.1 17.3 25.9



#6

Chloroethane

Concen: 52.016 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.00 min

Lab File: VD061058.D

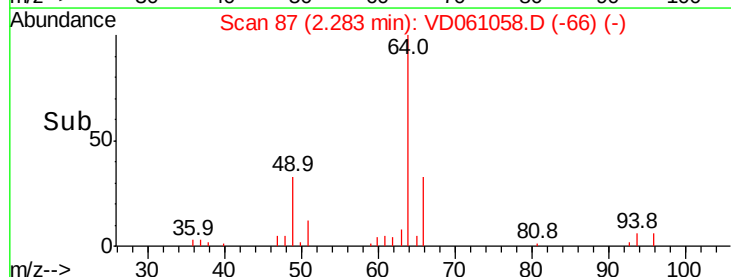
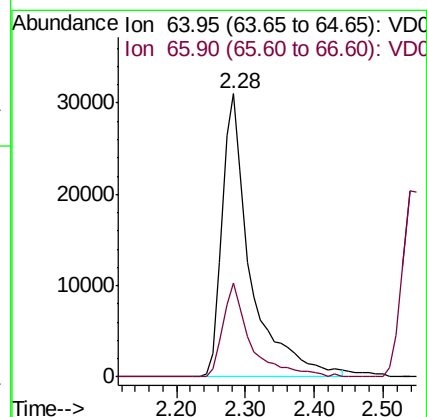
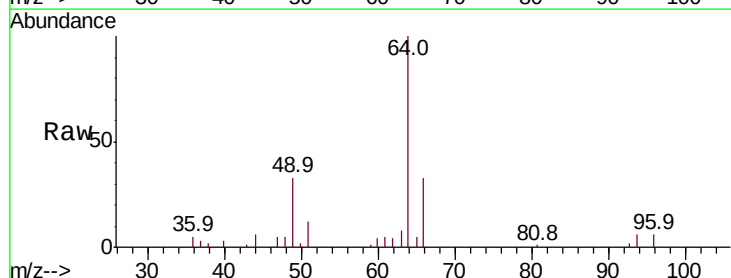
Acq: 14 Mar 2019 11:49

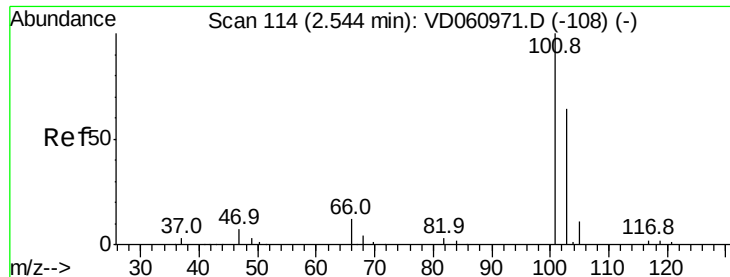
Tgt Ion: 64 Resp: 88460

Ion Ratio Lower Upper

64 100

66 33.4 22.2 33.2#



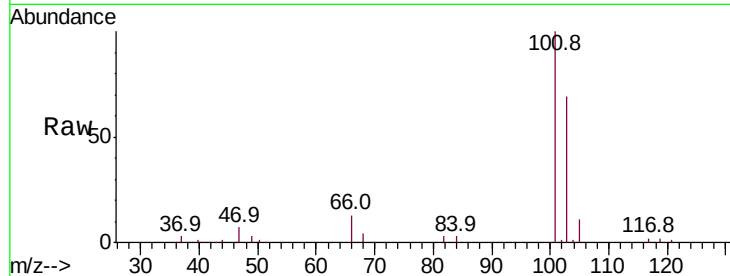


#7

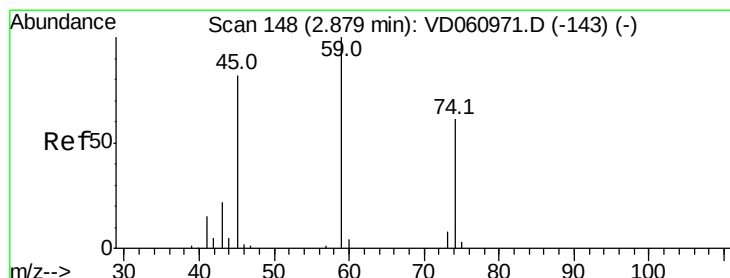
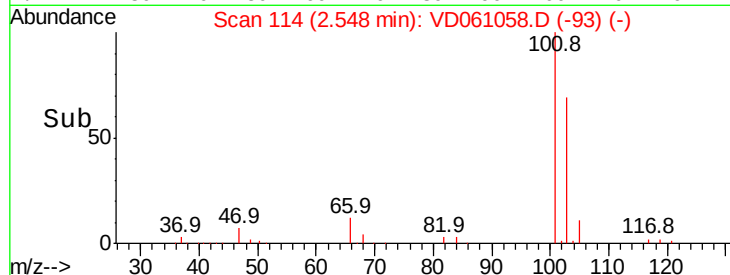
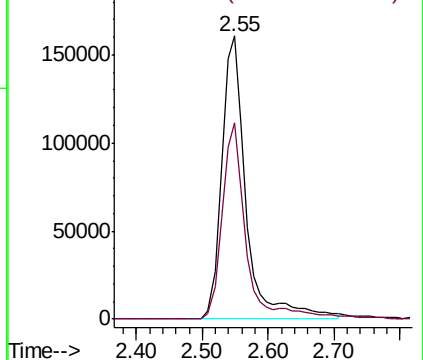
Trichlorofluoromethane
Concen: 50.799 ug/l
RT: 2.55 min Scan# 114
Delta R.T. 0.00 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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



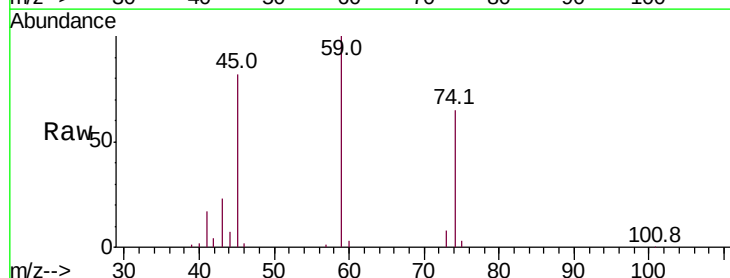
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



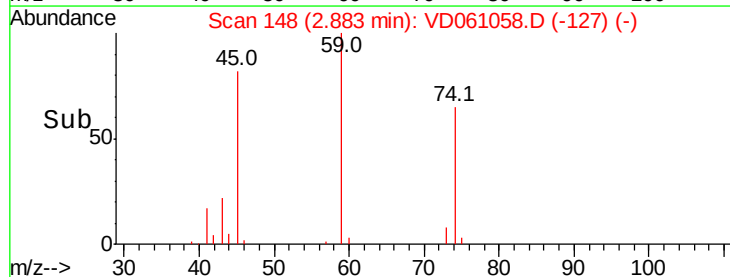
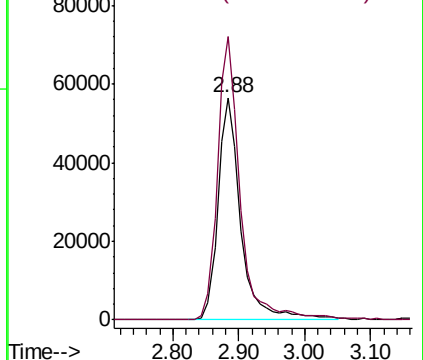
#8

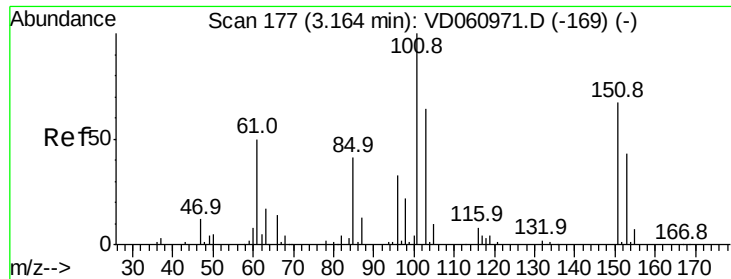
Diethyl Ether
Concen: 50.331 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.00 min
Lab File: VD061058.D
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Tgt Ion: 74 Resp: 135520
Ion Ratio Lower Upper
74 100
45 127.4 67.0 201.1



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC

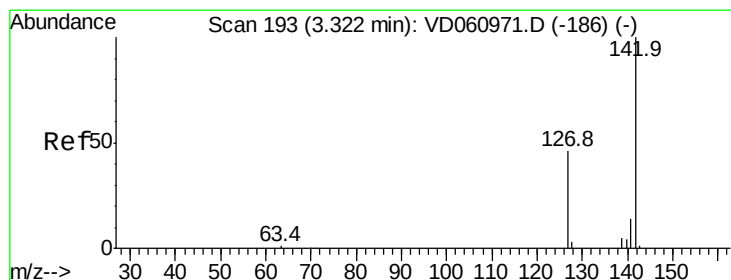
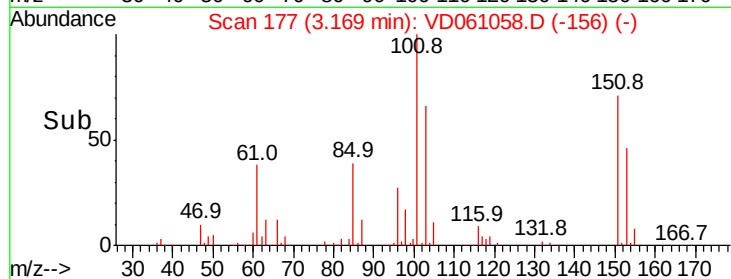
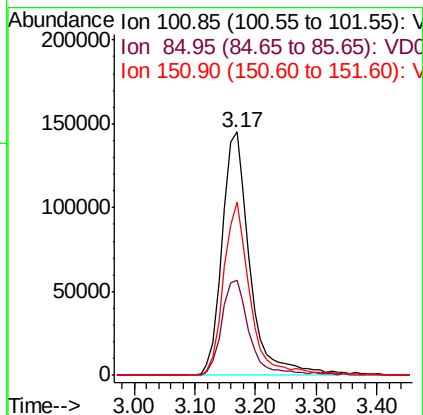
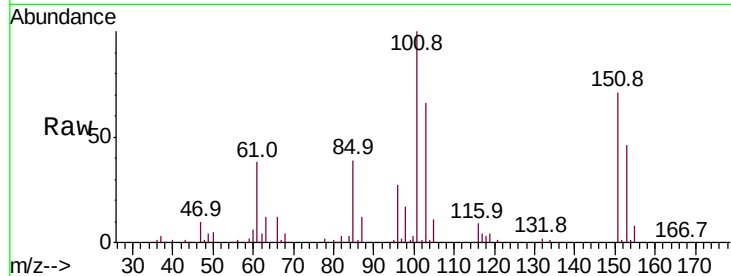




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.644 ug/l
 RT: 3.17 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

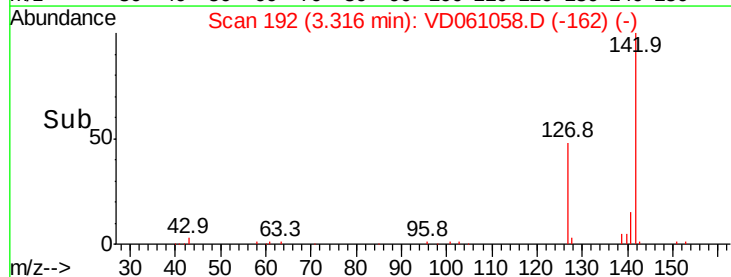
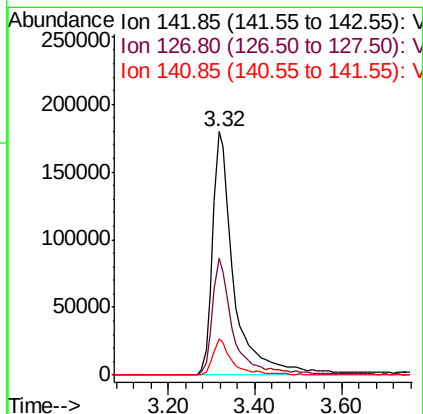
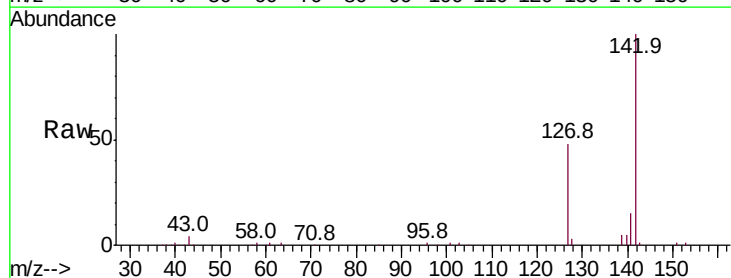
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

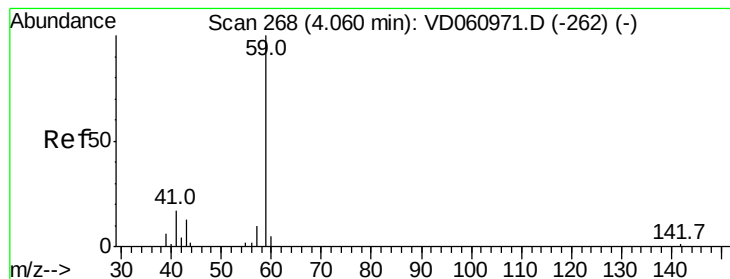
Tot Ion	Ratio	Lower	Upper
101	100		
85	39.3	32.5	48.7
151	71.1	53.3	79.9



#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	Ratio	Lower	Upper
142	100		
127	48.1	36.8	55.2
141	14.9	11.2	16.8



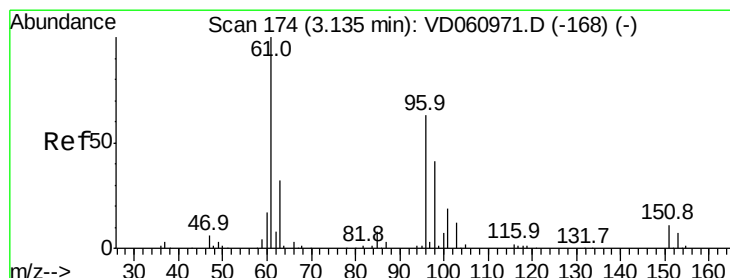
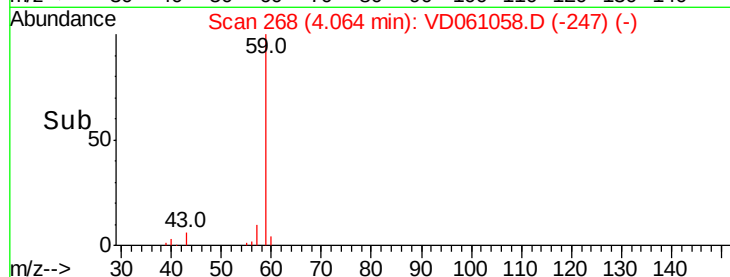
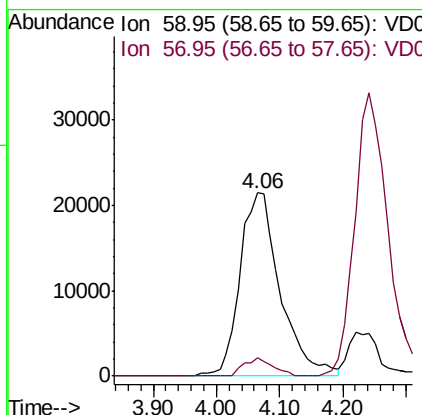
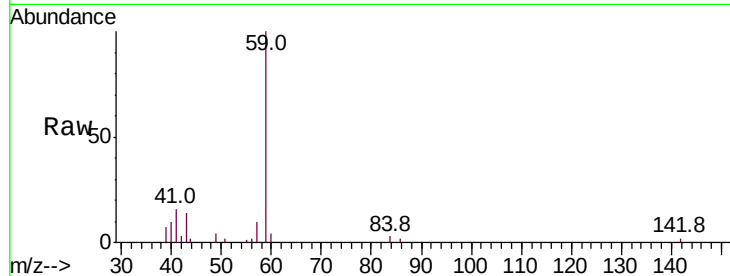


#11

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

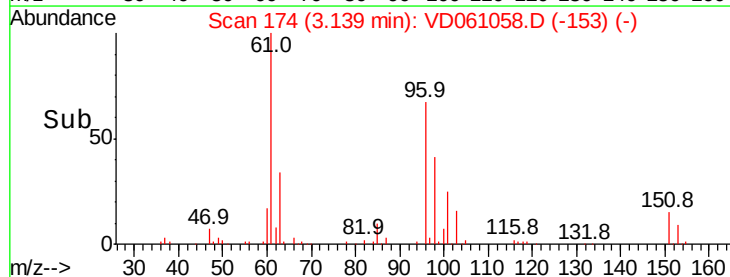
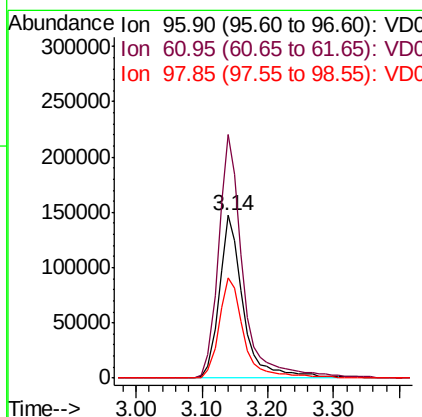
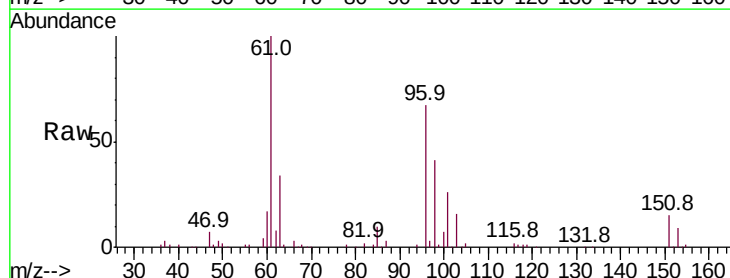
Tot Ion: 59 Resp: 95128
Ion Ratio Lower Upper
59 100
57 10.1 7.1 10.7

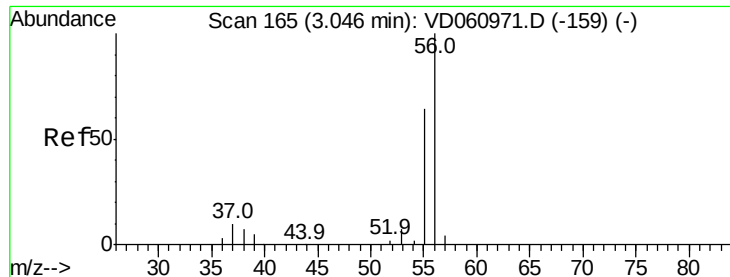


#12

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 :

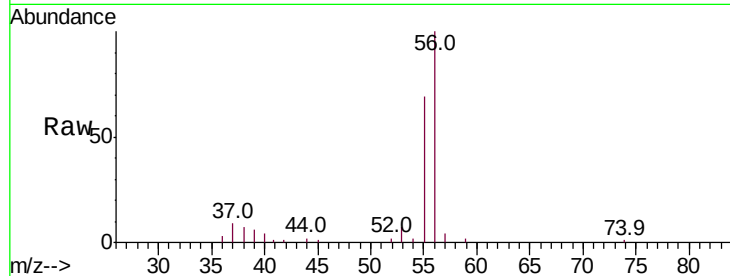
VSTDCCC050

Tot Ion: 56 Resp: 148635

Ion Ratio Lower Upper

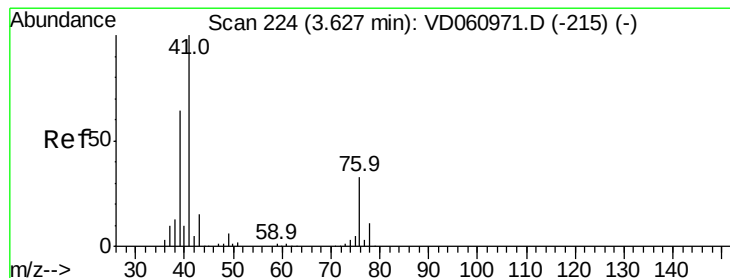
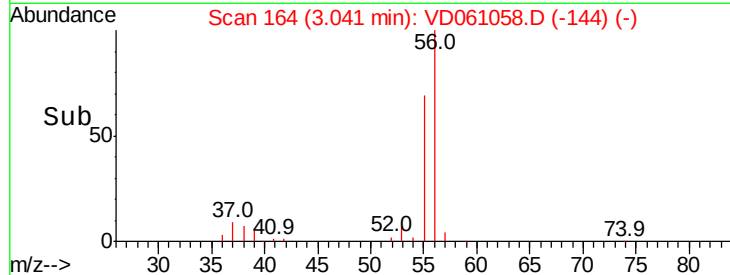
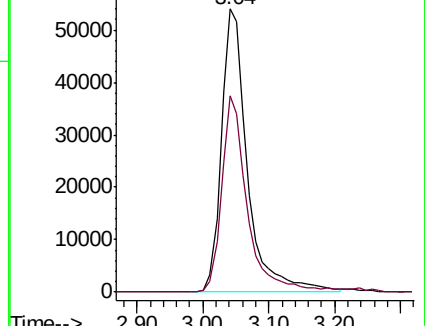
56 100

55 69.2 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#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

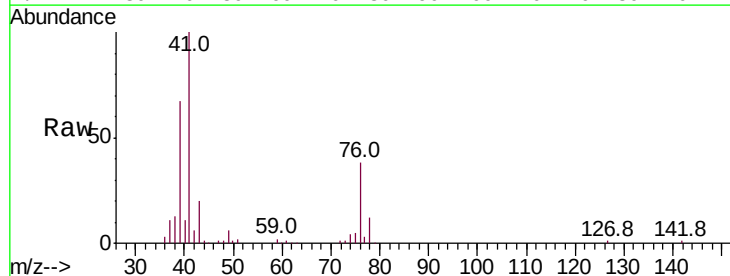
Tgt Ion: 41 Resp: 545808

Ion Ratio Lower Upper

41 100

39 67.3 51.1 76.7

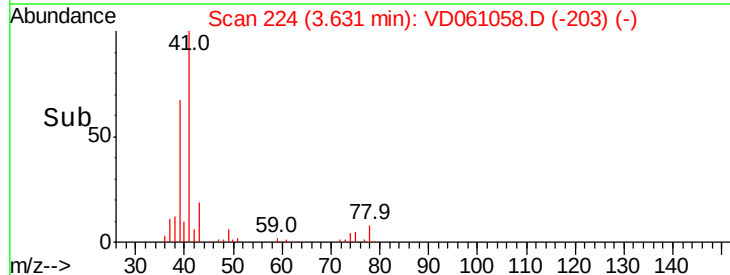
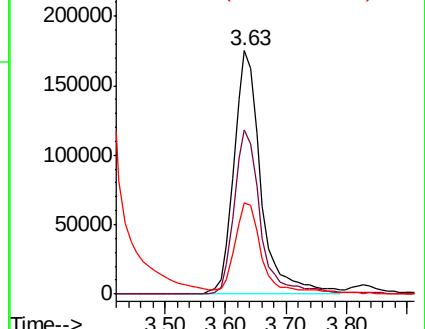
76 37.5 29.1 43.7

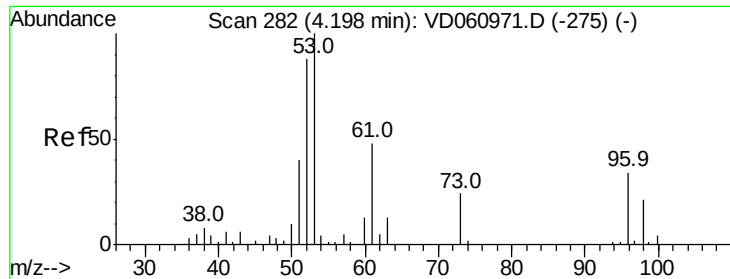


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 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

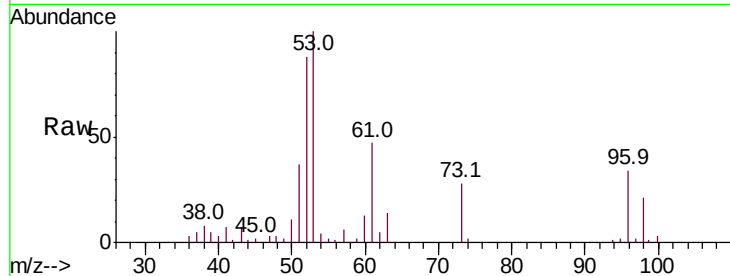
Tot Ion: 53 Resp: 319923

Ion Ratio Lower Upper

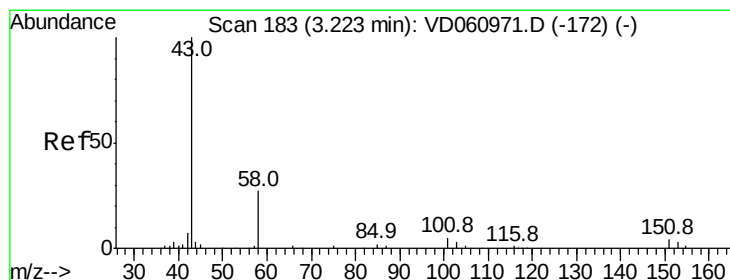
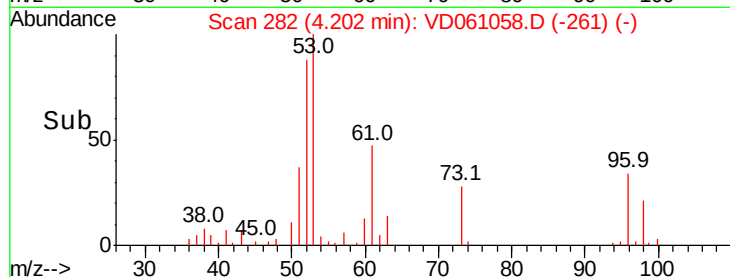
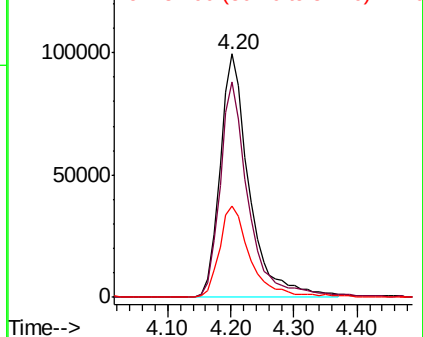
53 100

52 88.5 70.2 105.4

51 37.4 31.7 47.5



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



#16

Acetone

Concen: 282.128 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061058.D

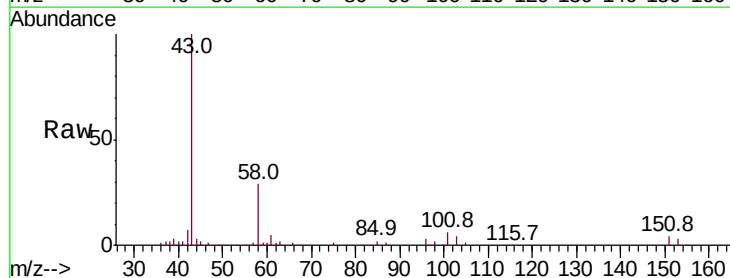
Acq: 14 Mar 2019 11:49

Tgt Ion: 43 Resp: 500397

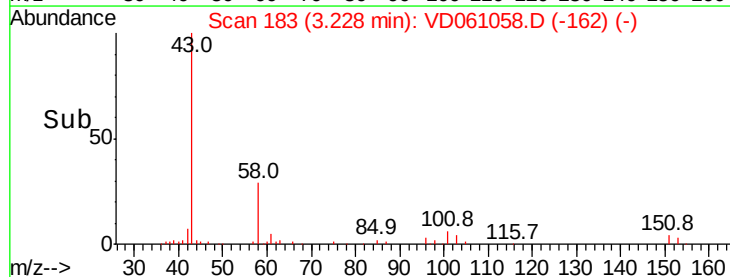
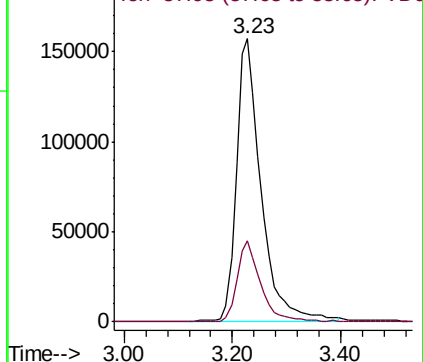
Ion Ratio Lower Upper

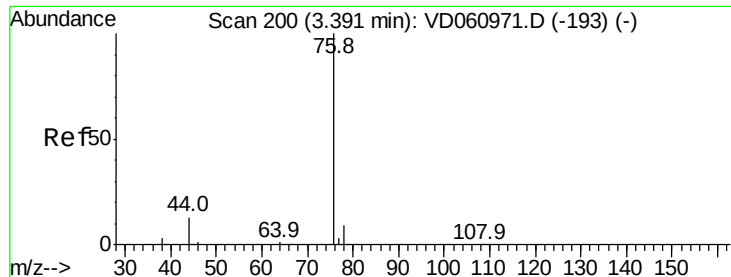
43 100

58 28.8 21.6 32.4



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

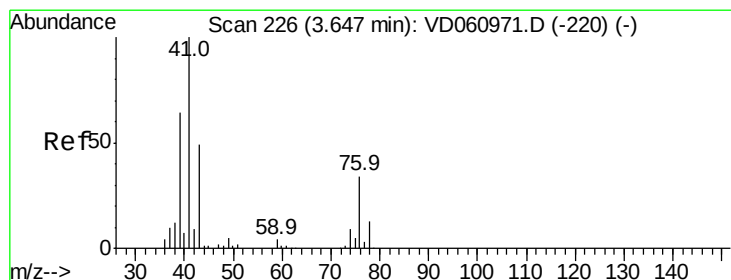
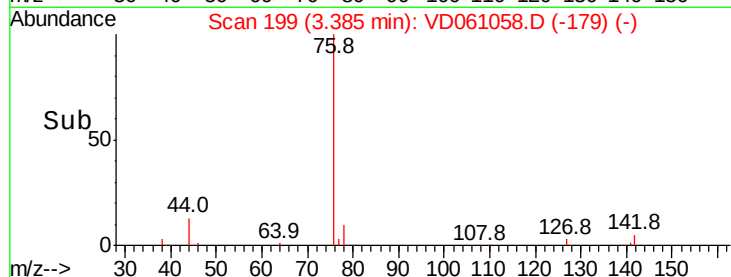
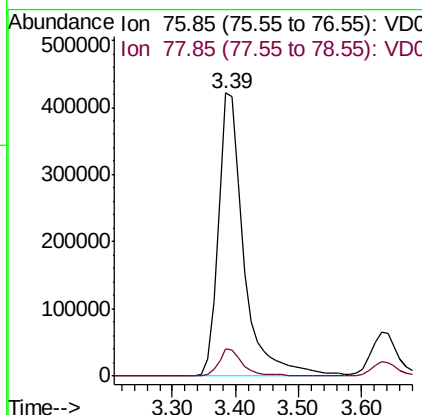
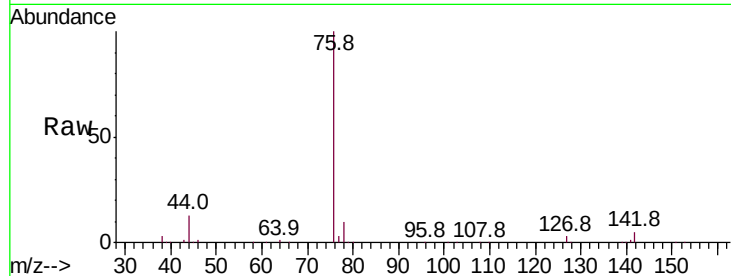




#17
Carbon Disulfide
Concen: 47.277 ug/l
RT: 3.39 min Scan# 199
Delta R.T. -0.01 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

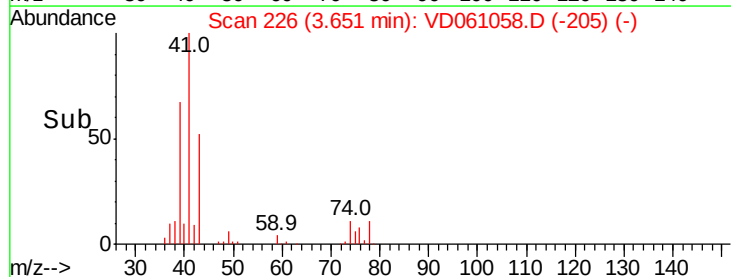
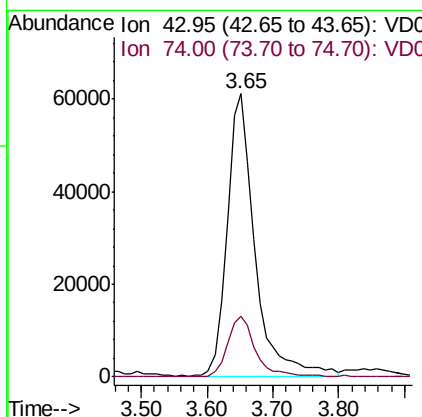
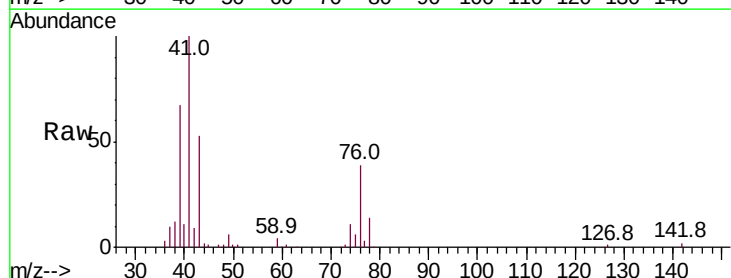
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

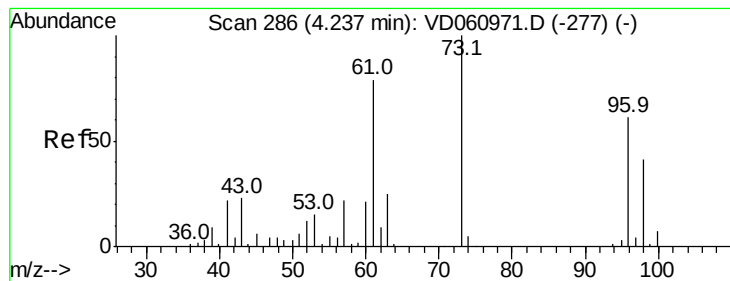
Tot Ion: 76 Resp: 1192863
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.2



#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



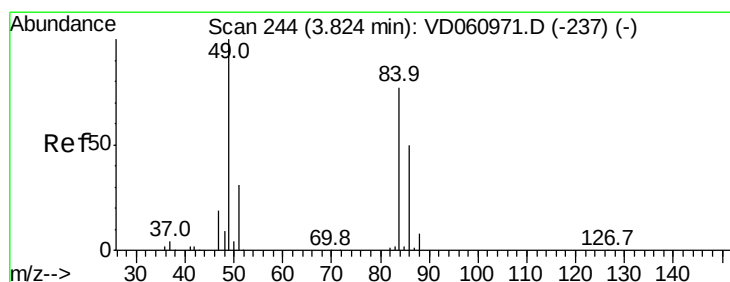
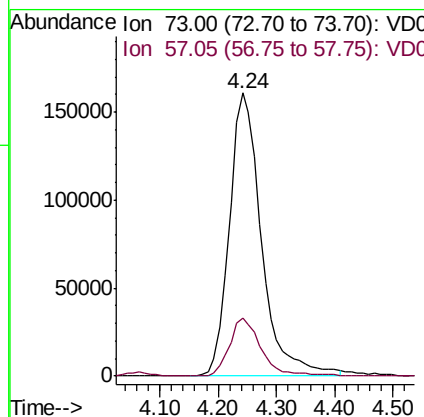
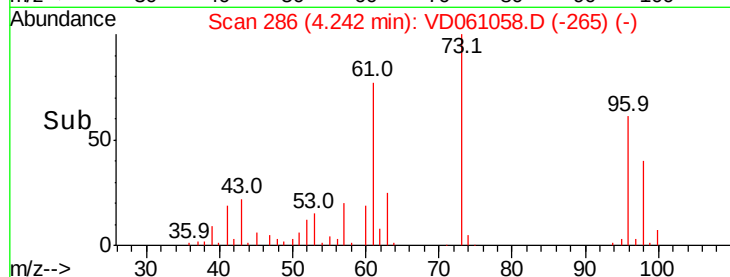
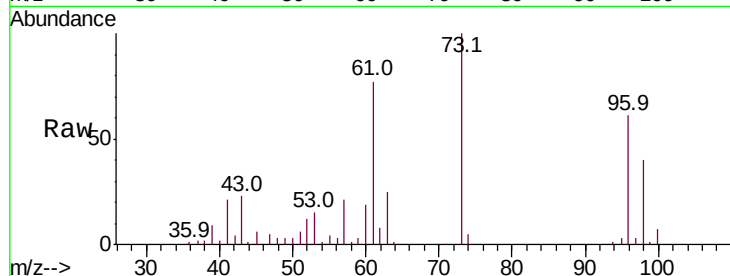


#19

Methvl tert-butvl 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

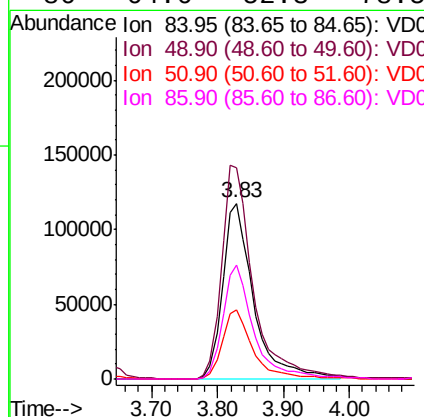
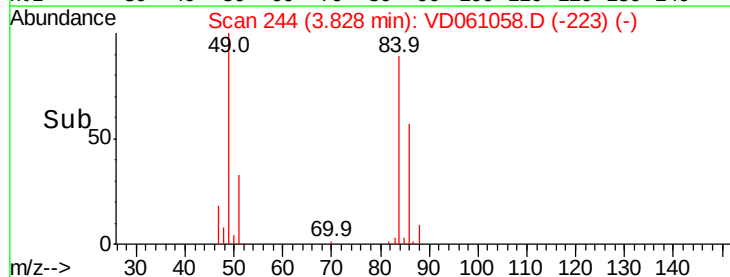
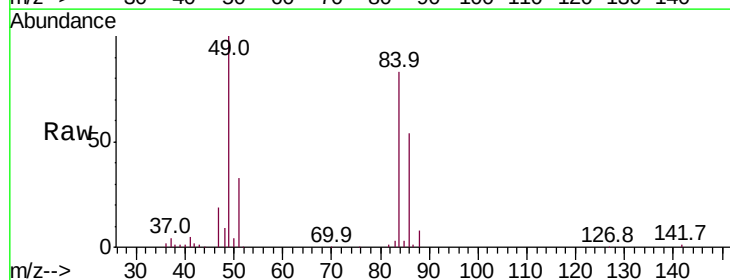
Tot Ion: 73 Resp: 617239
 Ion Ratio Lower Upper
 73 100
 57 20.6 17.7 26.5

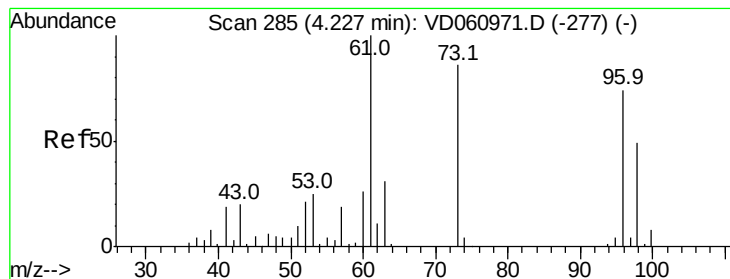


#20

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

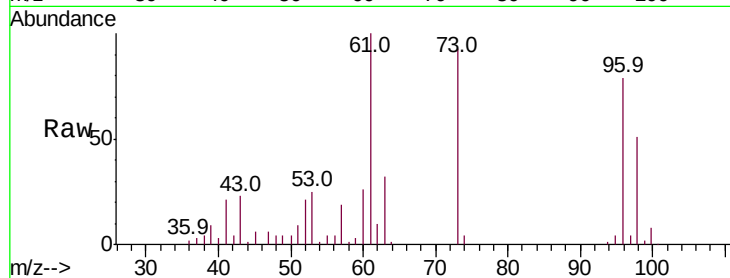
Tot Ion: 96 Resp: 372835

Ion Ratio Lower Upper

96 100

61 127.2 108.4 162.6

98 65.2 53.0 79.4

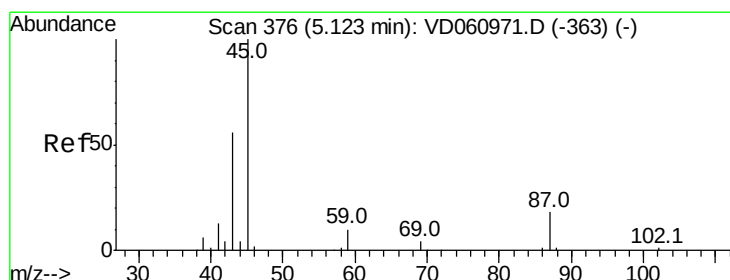
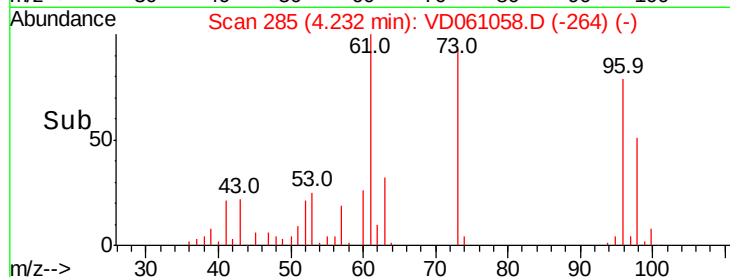
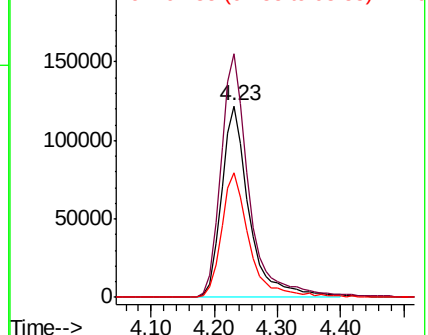


Abundance

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

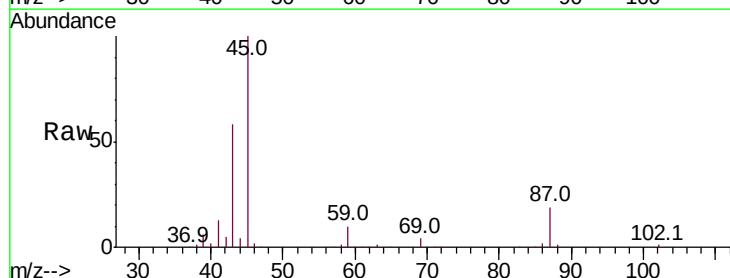
Ion Ratio Lower Upper

45 100

43 58.4 45.8 68.8

87 19.3 14.9 22.3

59 10.0 8.0 12.0



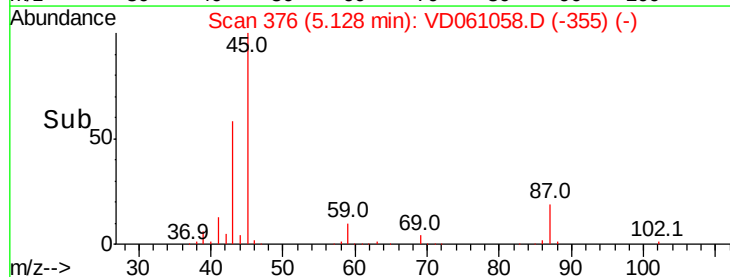
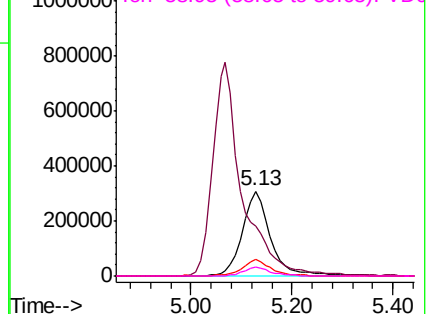
Abundance

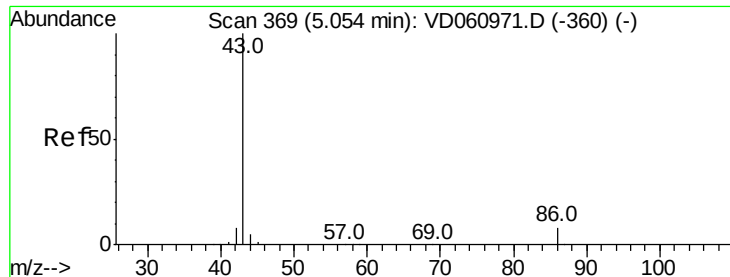
Ion 45.05 (44.75 to 45.75): VDC

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 :

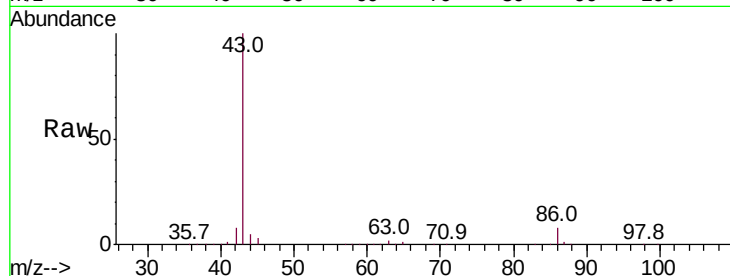
VSTDCCC050

Tot Ion: 43 Resp: 3094225

Ion Ratio Lower Upper

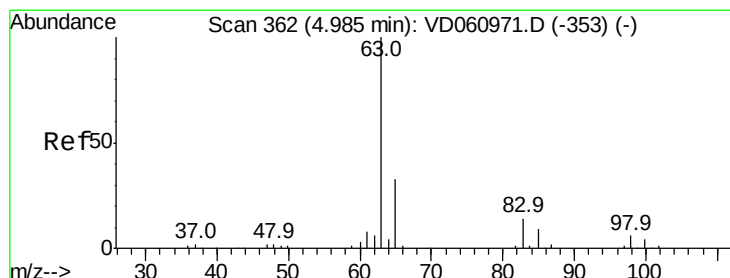
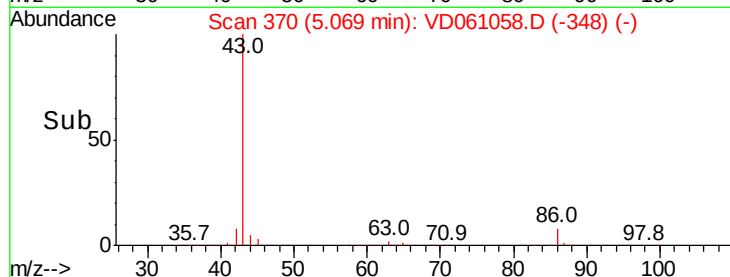
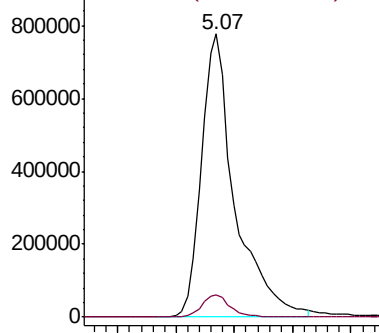
43 100

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

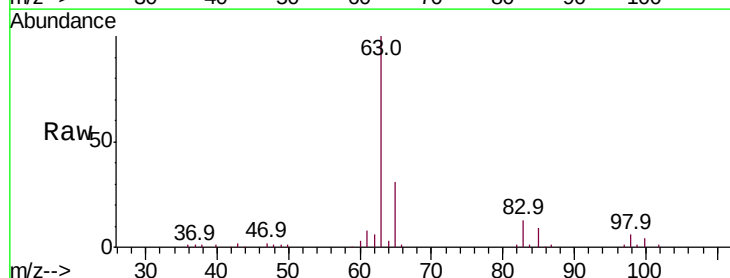
Tgt Ion: 63 Resp: 666165

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

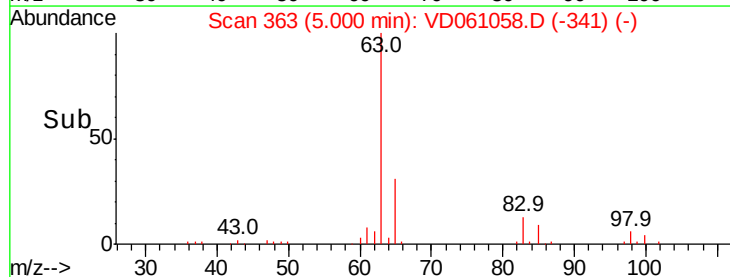
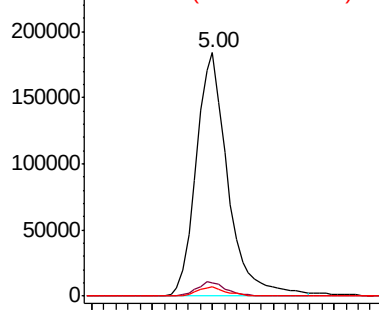
100 3.7 2.0 5.8

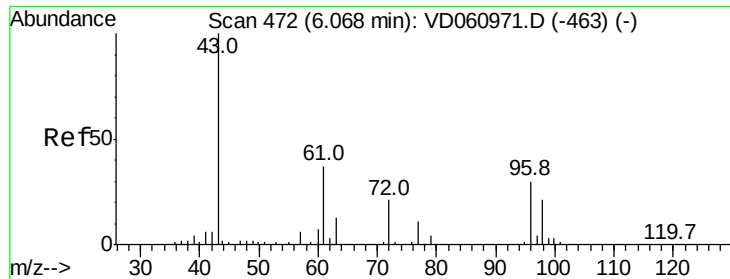


Abundance Ion 62.95 (62.65 to 63.65): VDC

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 :

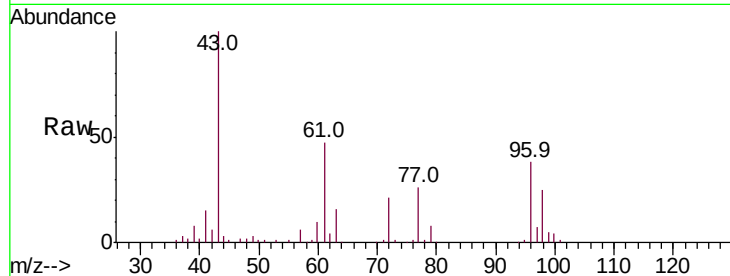
VSTDCCC050

Tot Ion: 43 Resp: 534239

Ion Ratio Lower Upper

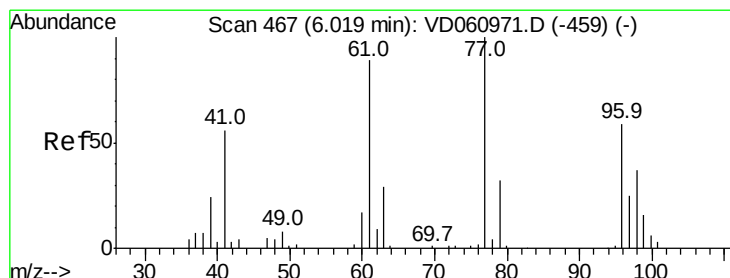
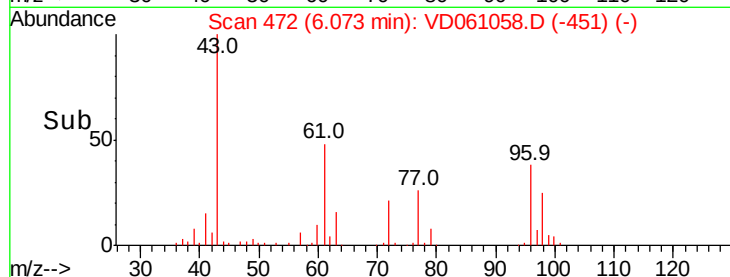
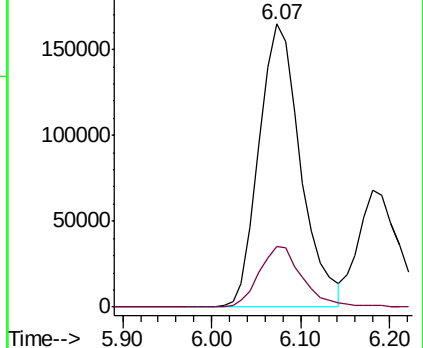
43 100

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

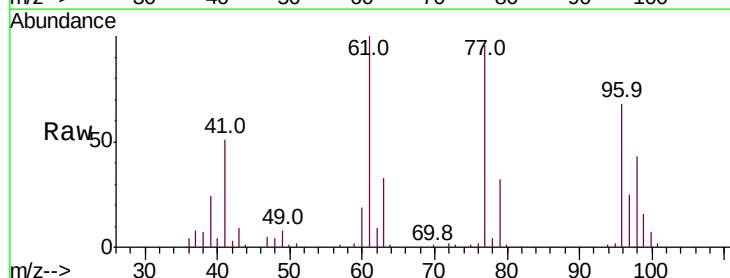
Acq: 14 Mar 2019 11:49

Tgt Ion: 77 Resp: 554231

Ion Ratio Lower Upper

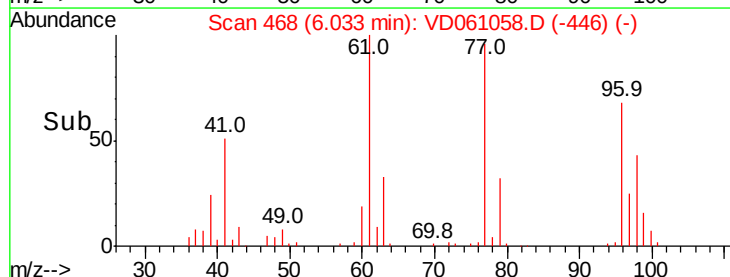
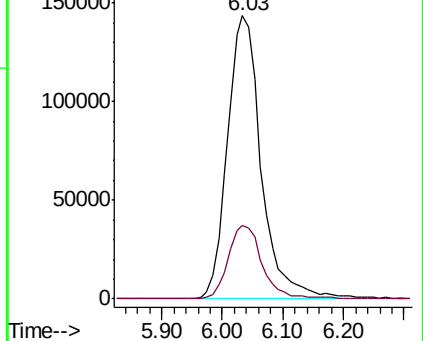
77 100

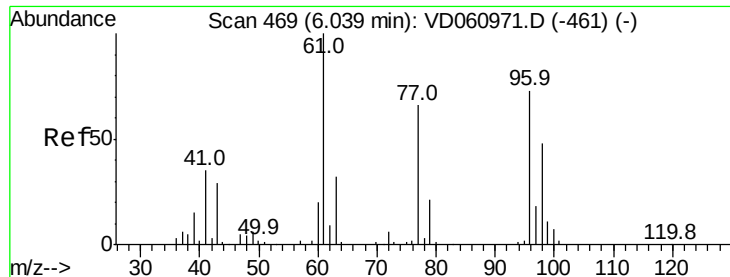
97 25.8 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



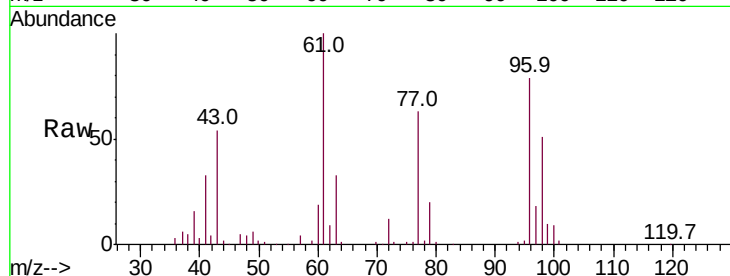


#27

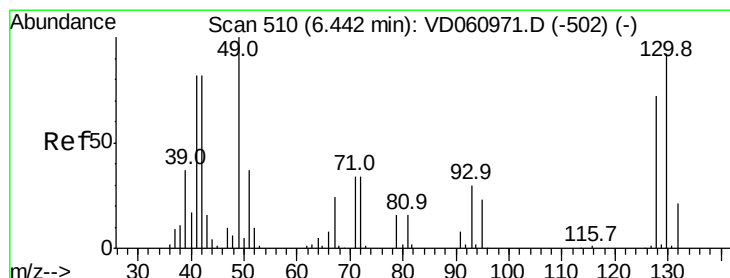
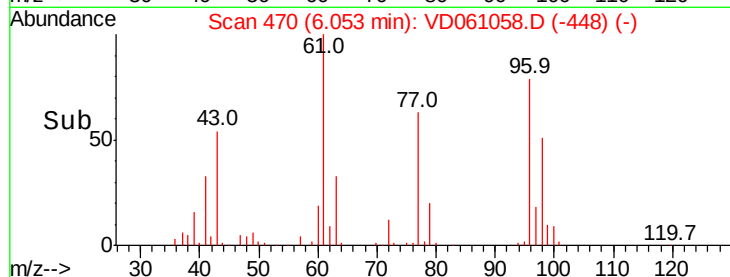
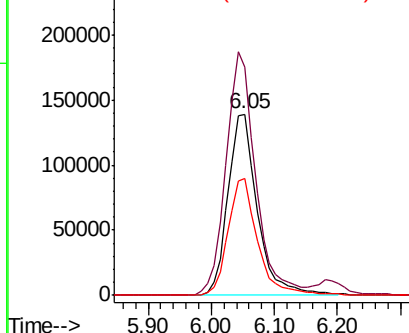
cis-1,2-Dichloroethene
 Concen: 52.184 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.01 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

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



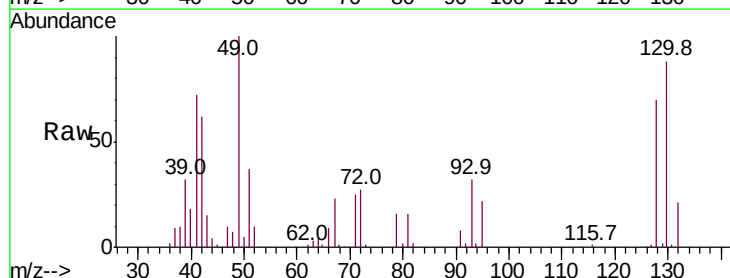
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



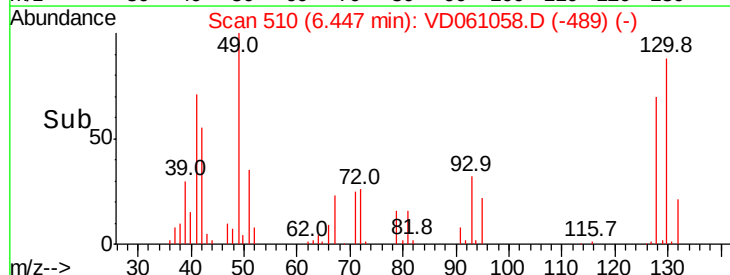
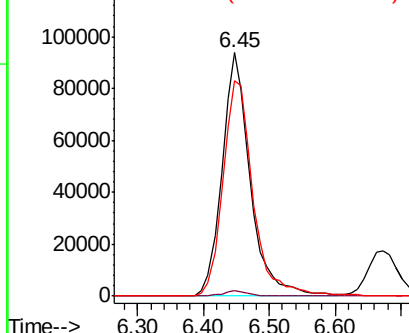
#28

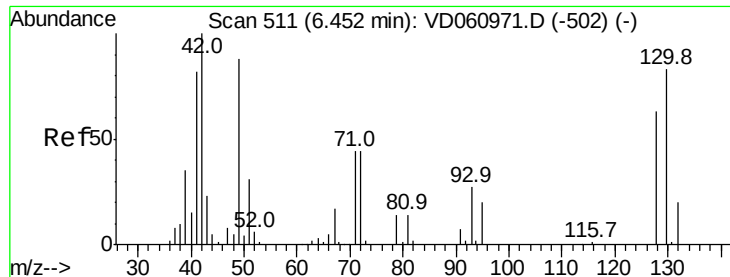
Bromochloromethane
 Concen: 48.568 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

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

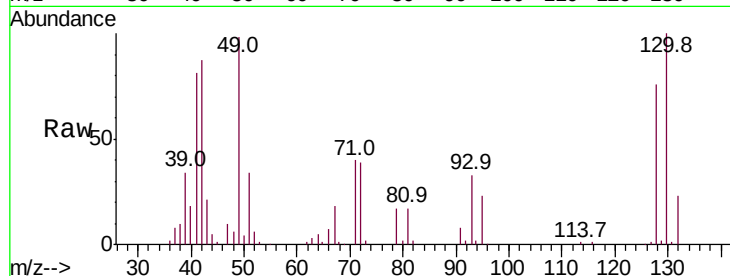
Tot Ion: 42 Resp: 249310

Ion Ratio Lower Upper

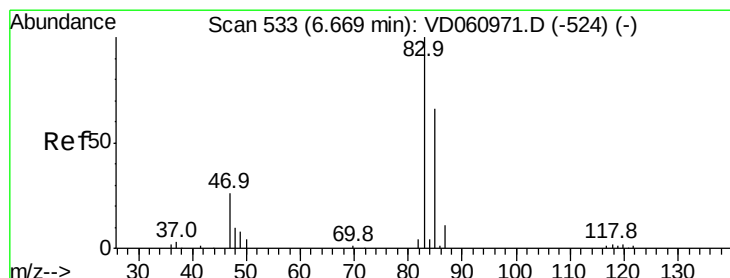
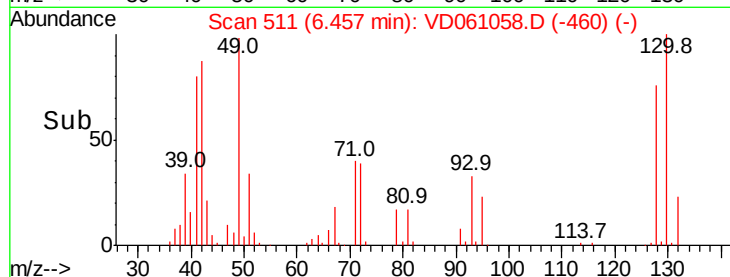
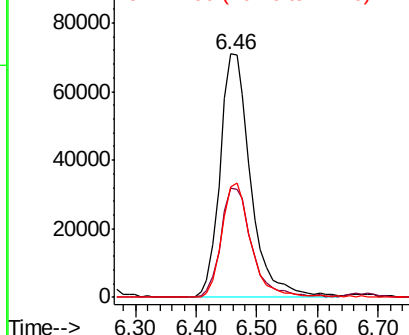
42 100

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

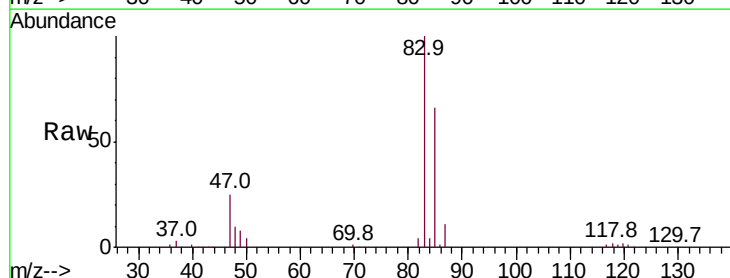
Acq: 14 Mar 2019 11:49

Tgt Ion: 83 Resp: 678176

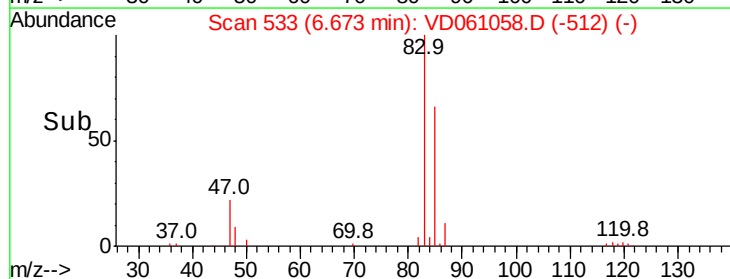
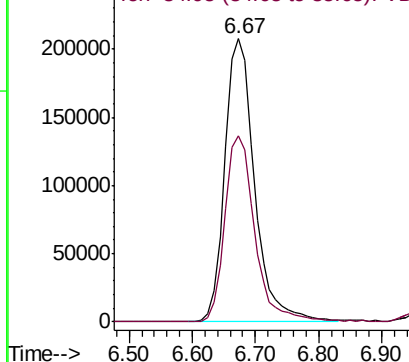
Ion Ratio Lower Upper

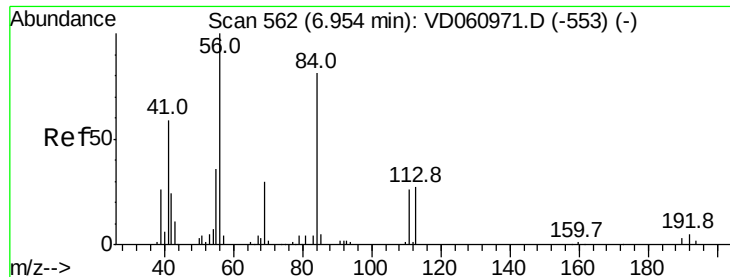
83 100

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

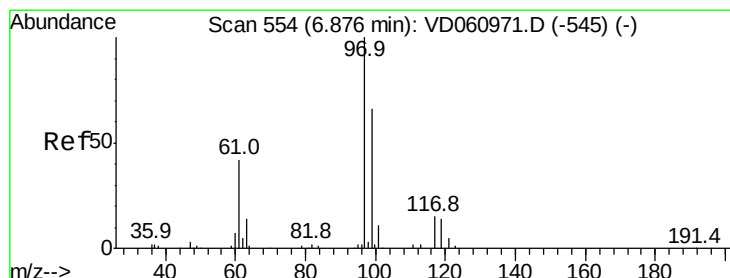
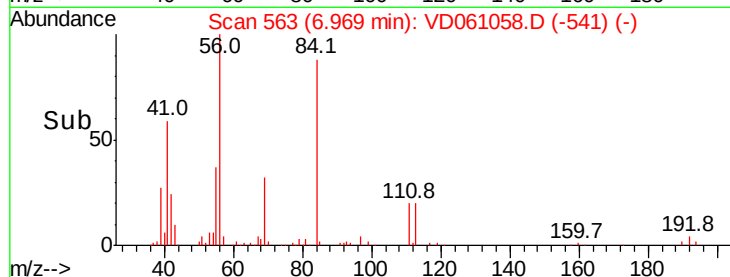
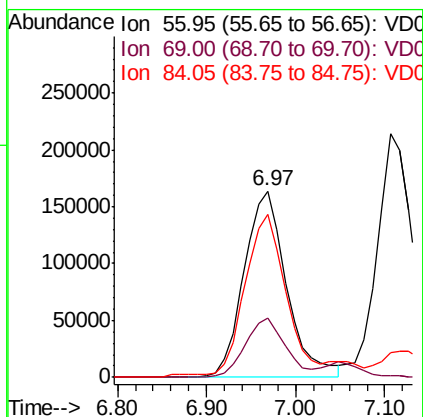
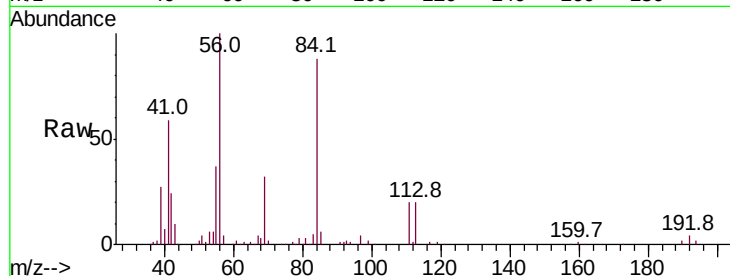




#31
Cyclohexane
Concen: 49.220 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

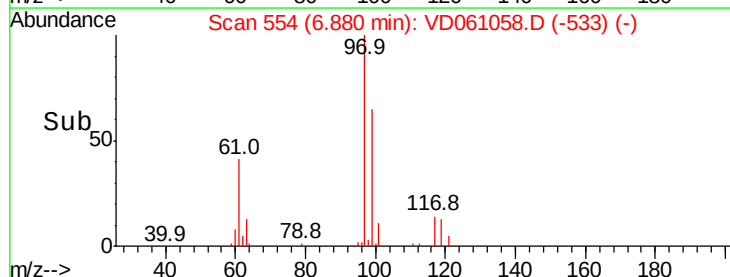
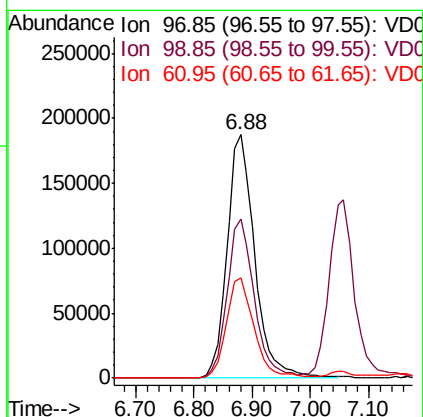
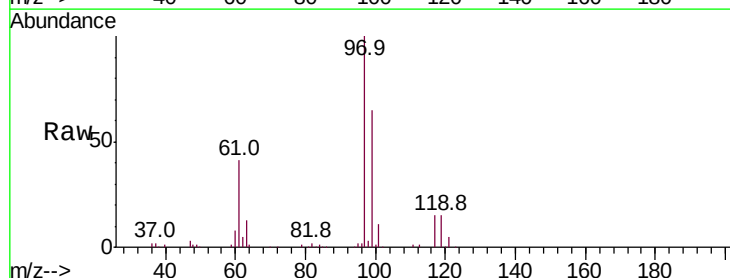
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

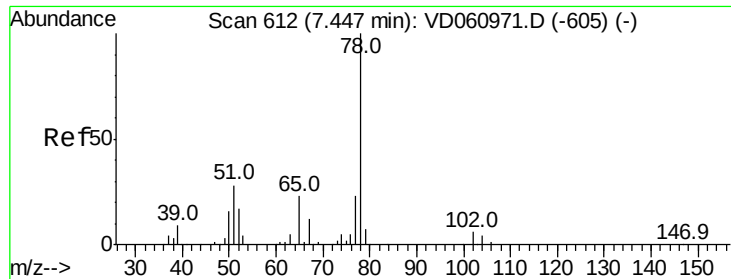
Tot Ion: 56 Resp: 540216
Ion Ratio Lower Upper
56 100
69 31.7 24.0 36.0
84 87.8 65.8 98.6



#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

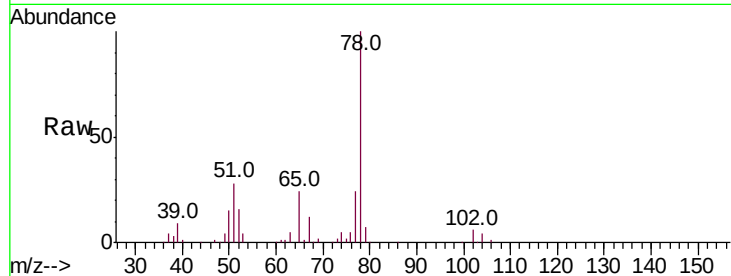




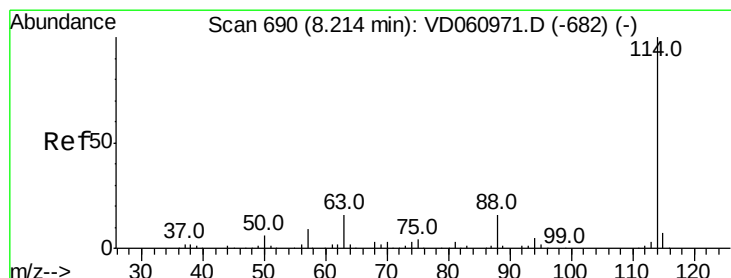
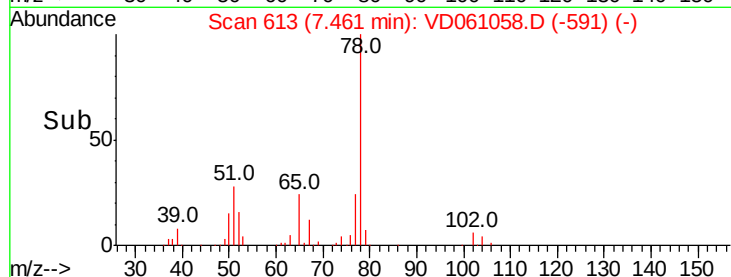
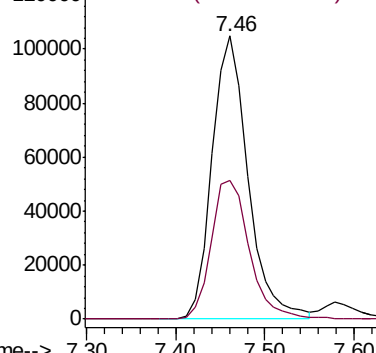
#33
 1,2-Dichloroethane-d4
 Concen: 50.598 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 293703
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 105.2

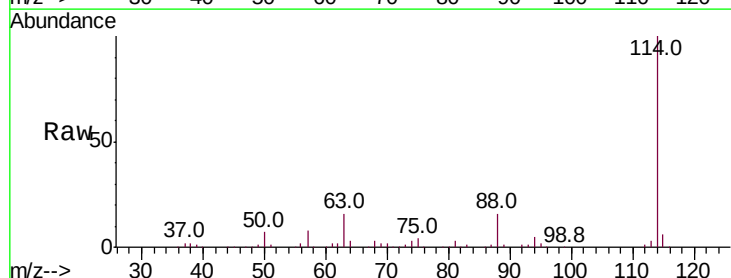


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

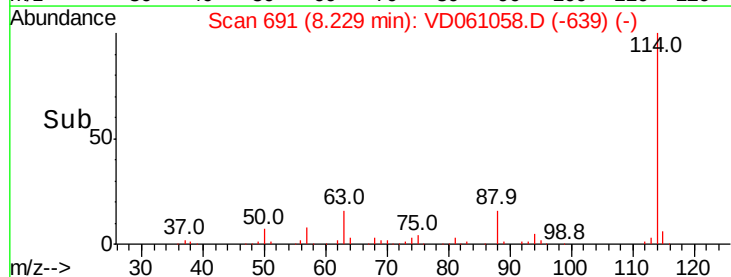
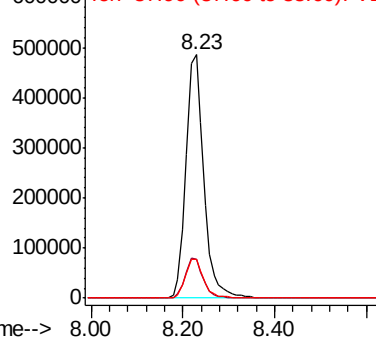


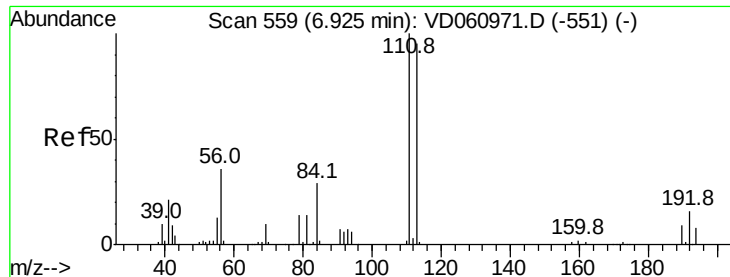
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

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

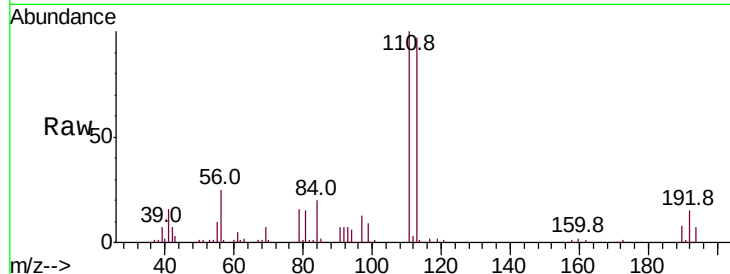
Tot Ion:113 Resp: 461972

Ion Ratio Lower Upper

113 100

111 103.4 84.2 126.4

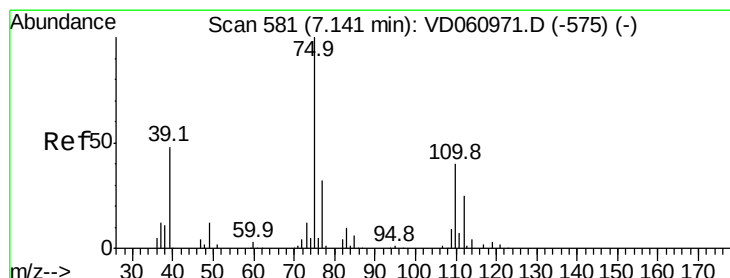
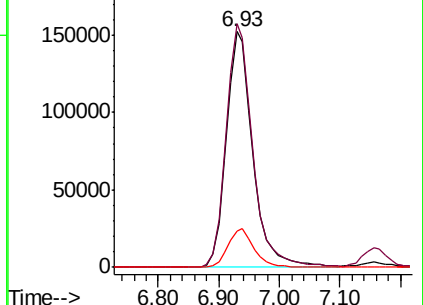
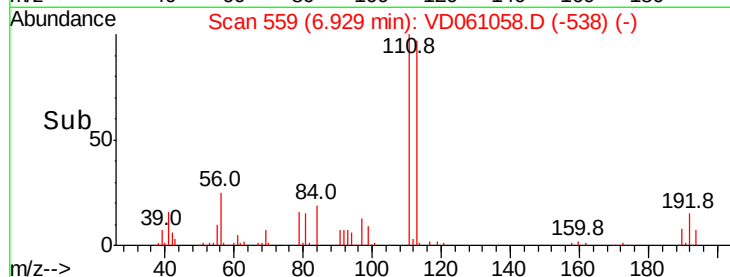
192 15.3 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 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

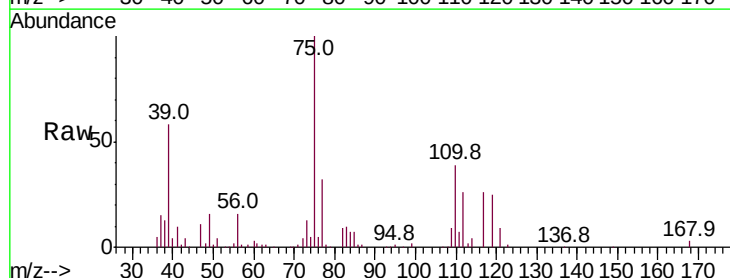
Tgt Ion: 75 Resp: 493608

Ion Ratio Lower Upper

75 100

110 38.7 19.7 59.1

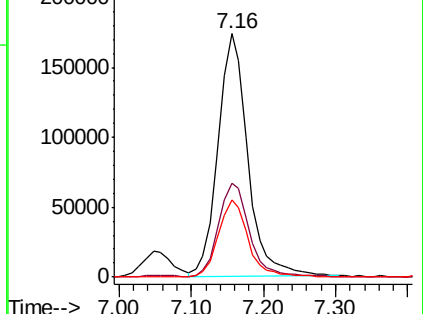
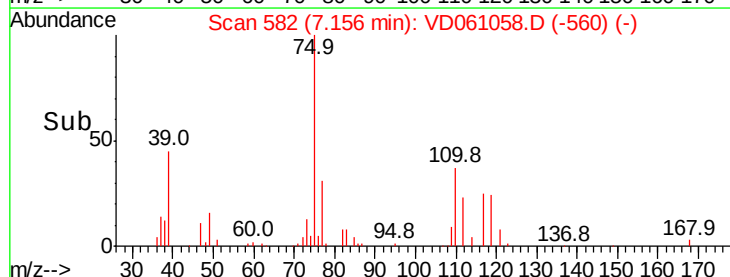
77 31.6 24.7 37.1

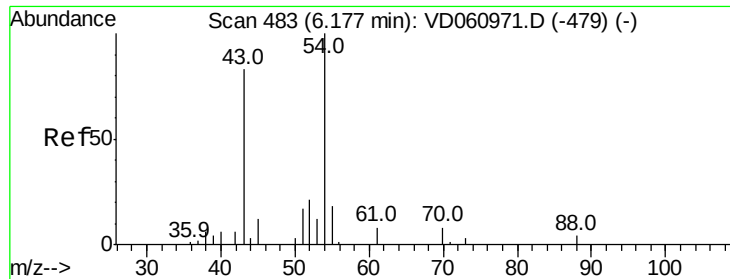


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

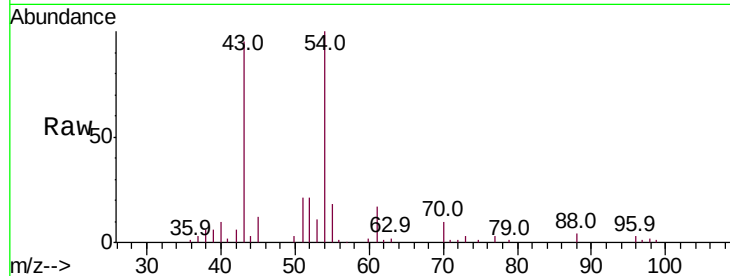




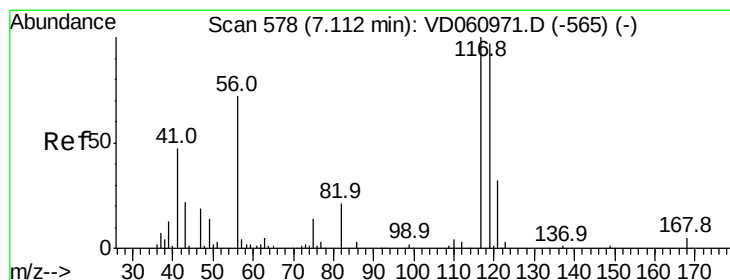
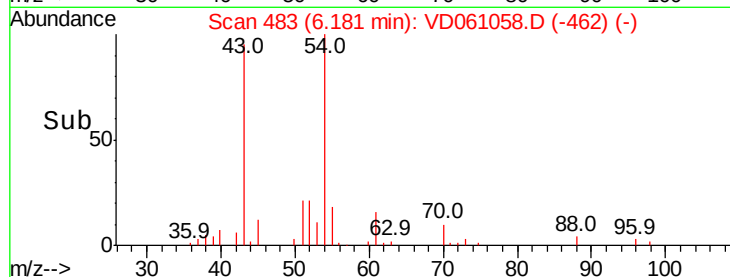
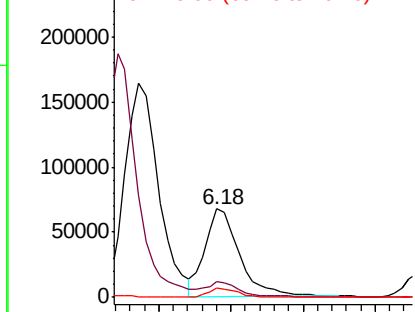
#37
Ethyl Acetate
Concen: 42.279 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

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#

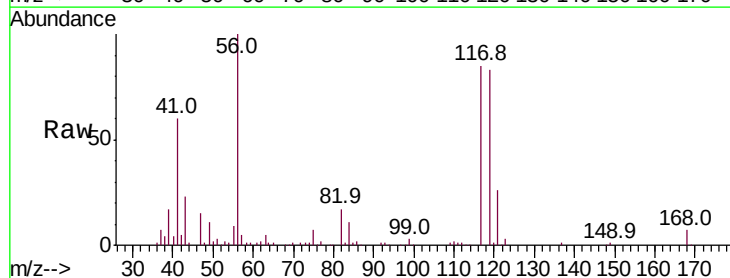


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

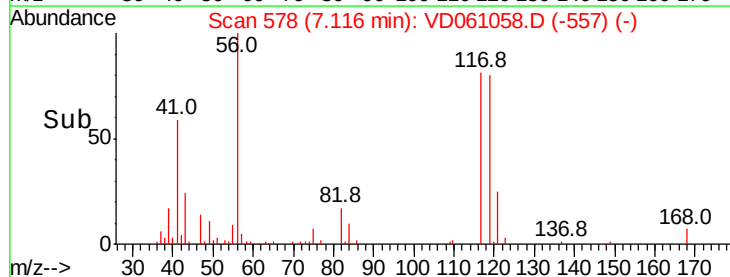
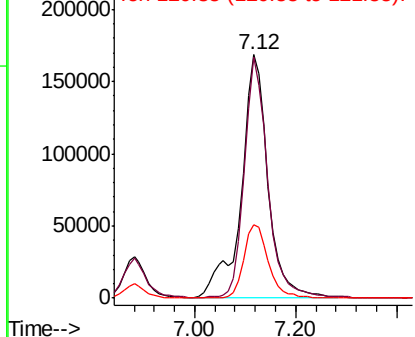


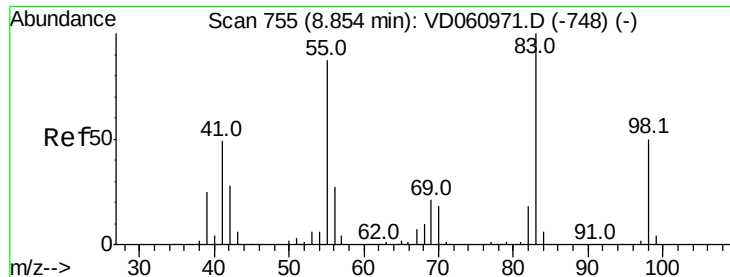
#38
Carbon Tetrachloride
Concen: 49.992 ug/l
RT: 7.12 min Scan# 578
Delta R.T. 0.00 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

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



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

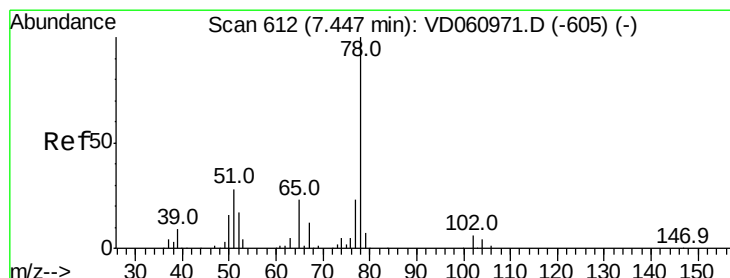
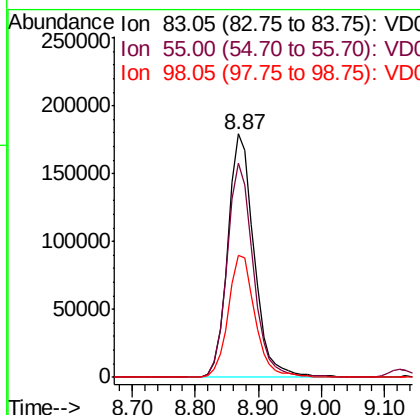
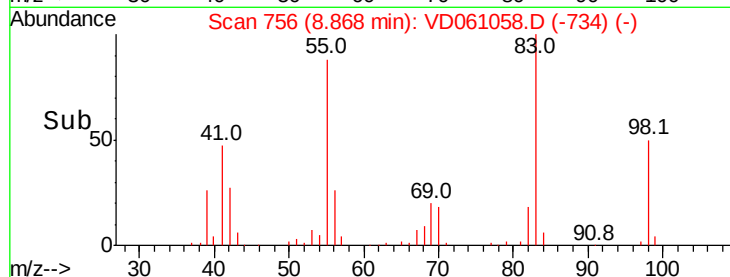
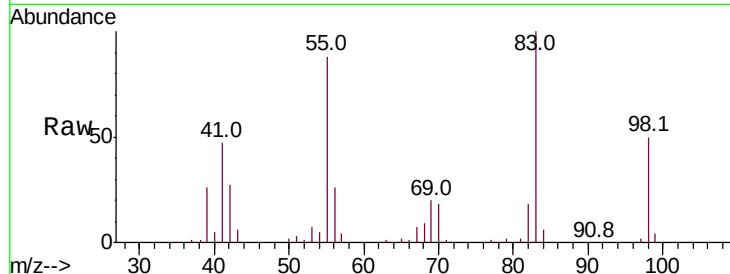




#39
Methylvlcyclohexane
Concen: 44.479 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

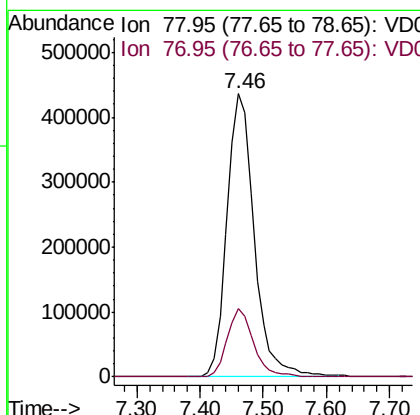
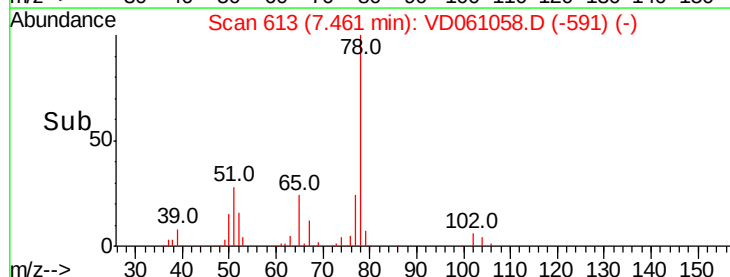
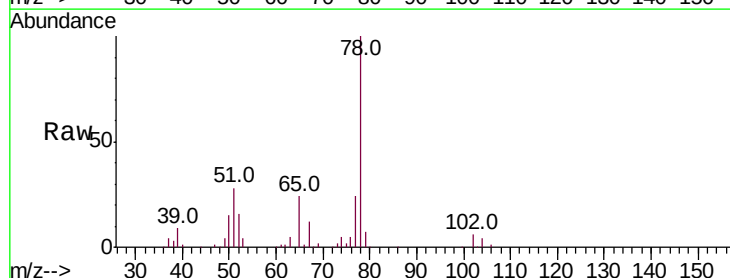
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

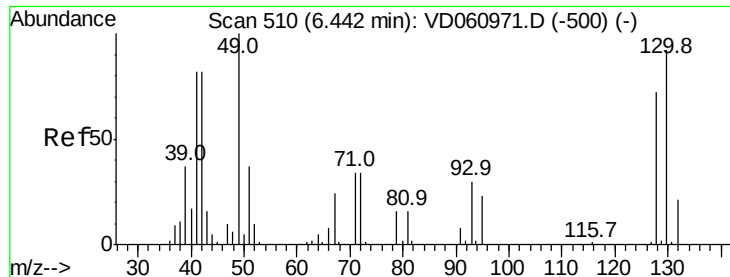
Tot Ion: 83 Resp: 515163
Ion Ratio Lower Upper
83 100
55 87.9 69.6 104.4
98 50.3 40.0 60.0



#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





#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

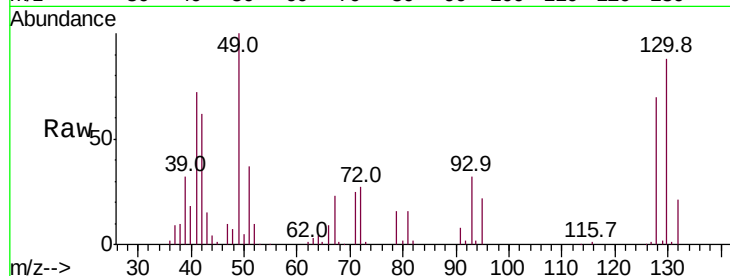
Ion Ratio Lower Upper

41 100

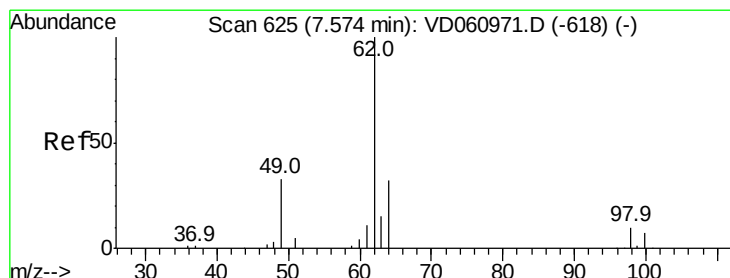
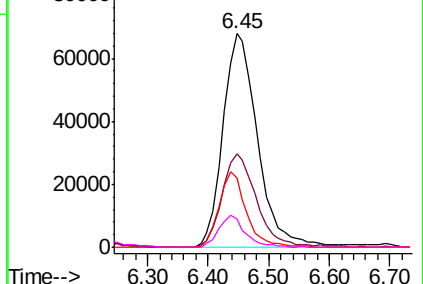
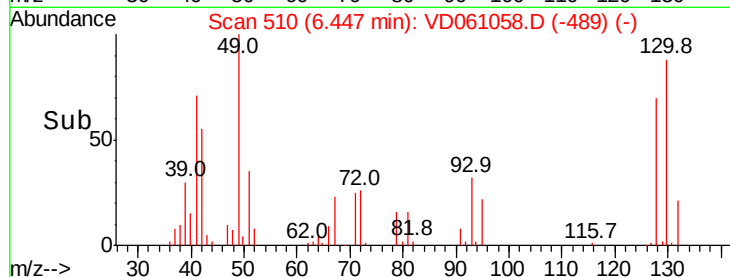
39 43.6 35.7 53.5

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

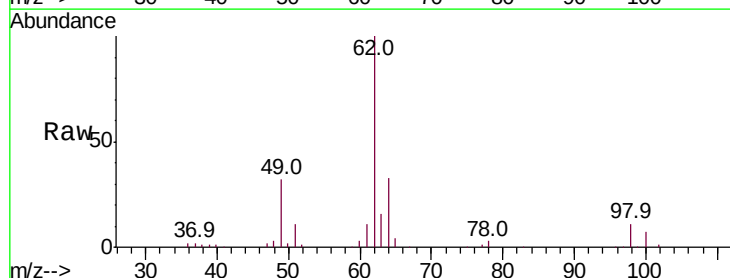
Acq: 14 Mar 2019 11:49

Tgt Ion: 62 Resp: 375271

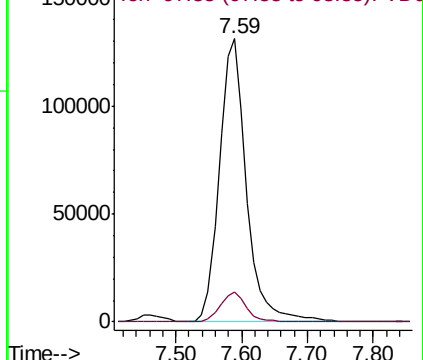
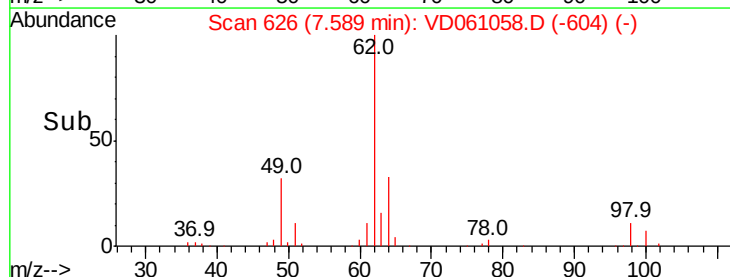
Ion Ratio Lower Upper

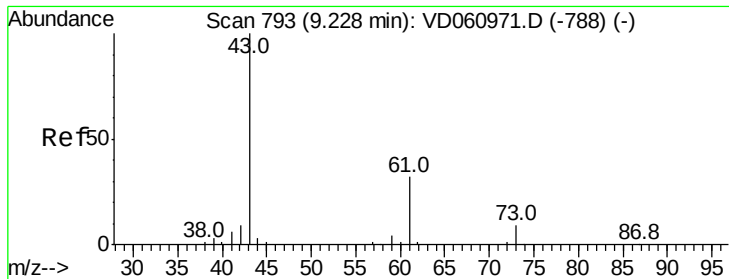
62 100

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

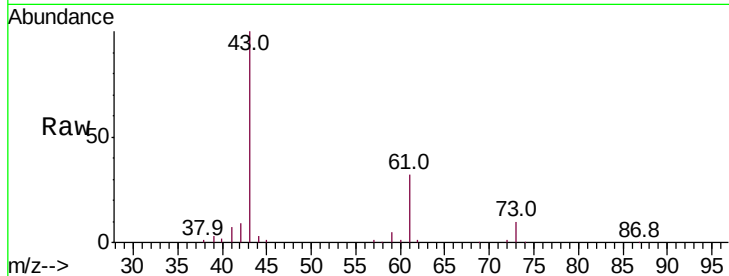
Tot Ion: 43 Resp: 344824

Ion Ratio Lower Upper

43 100

61 32.5 25.6 38.4

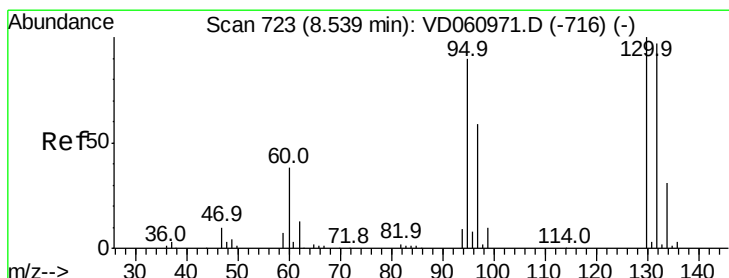
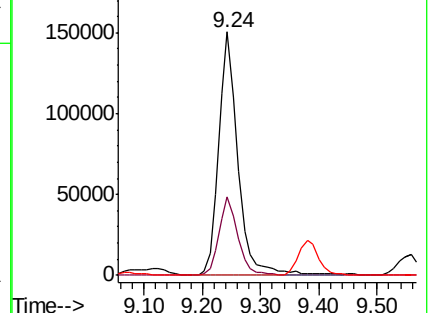
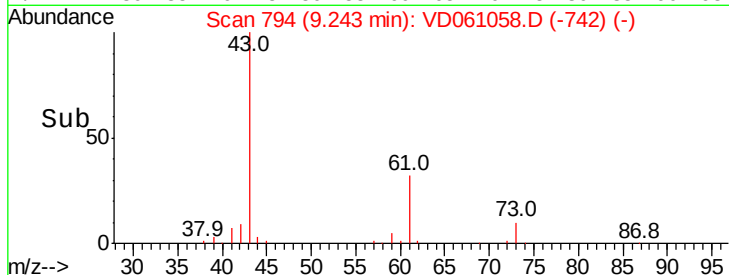
87 0.3 0.2 0.4



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

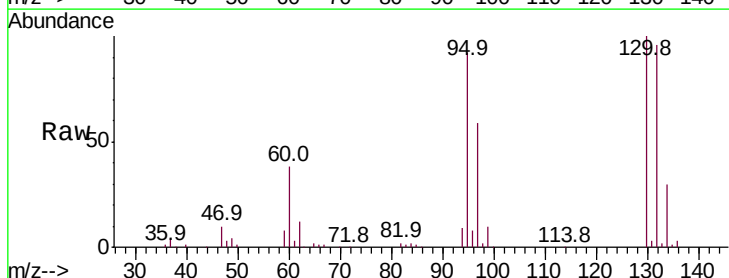
Acq: 14 Mar 2019 11:49

Tgt Ion:130 Resp: 463040

Ion Ratio Lower Upper

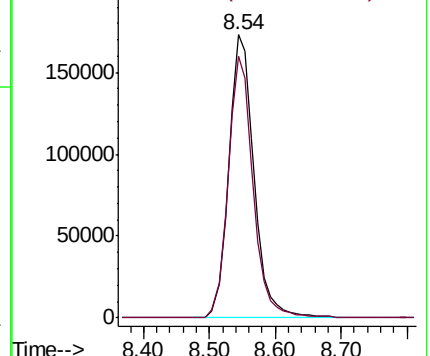
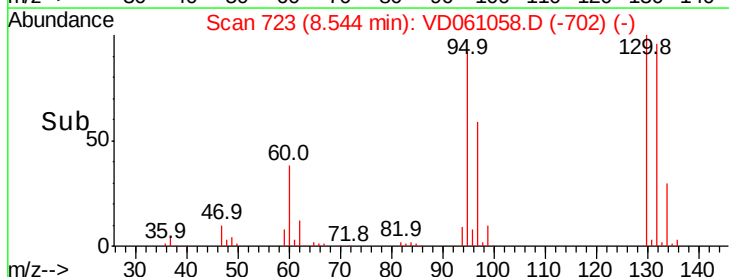
130 100

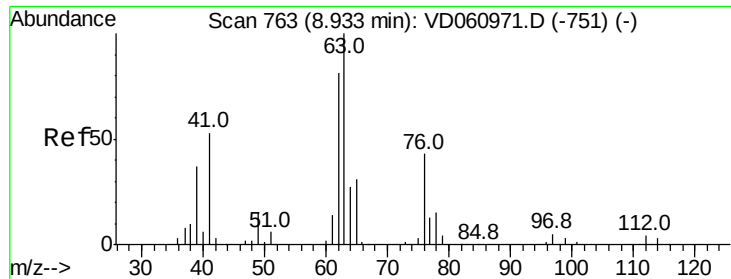
95 92.5 0.0 179.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

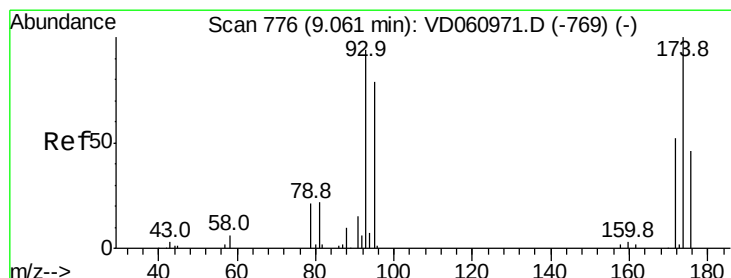
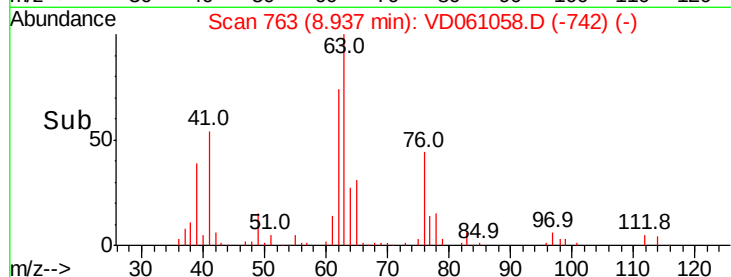
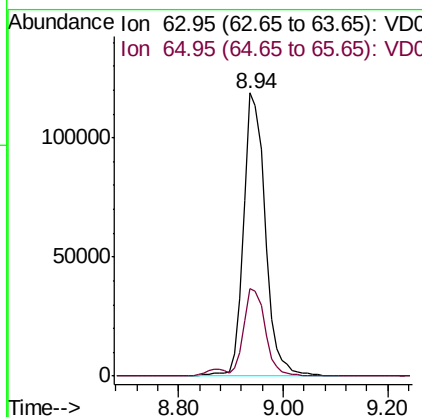
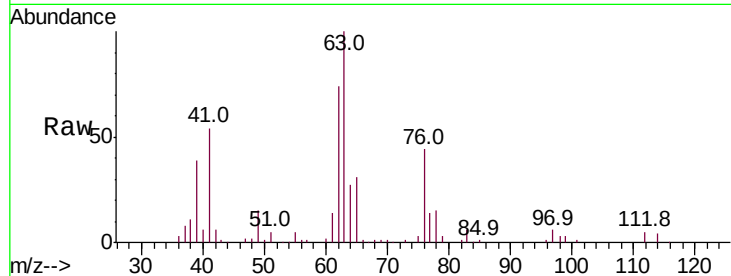




#45
1,2-Dichloropropane
Concen: 45.198 ug/l
RT: 8.94 min Scan# 763
Delta R.T. 0.00 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

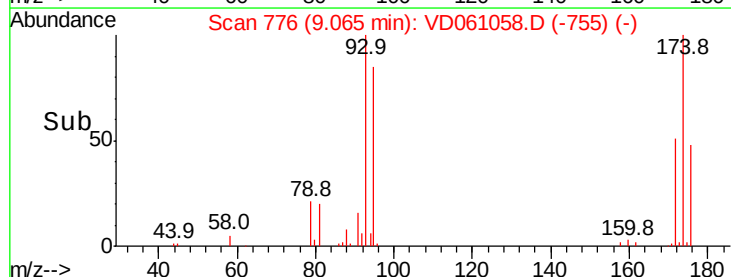
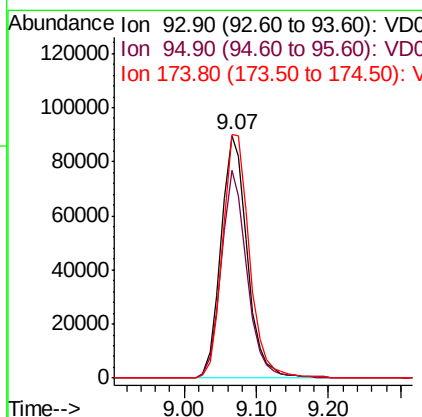
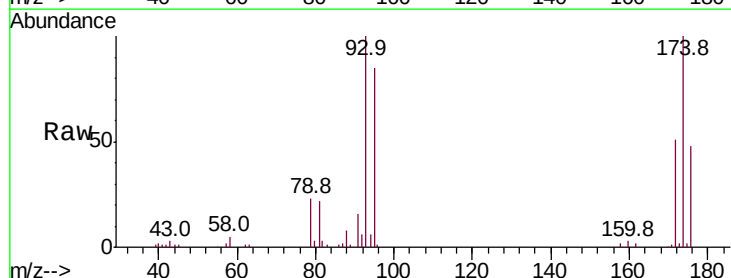
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

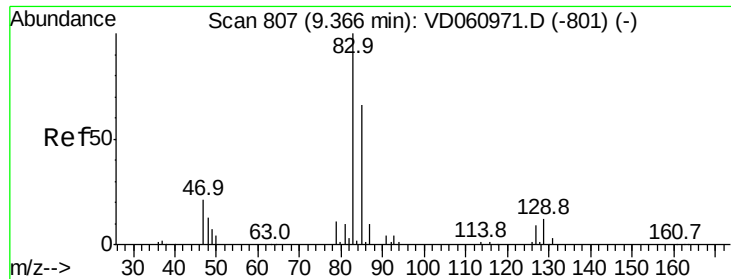
Tot Ion: 63 Resp: 331424
Ion Ratio Lower Upper
63 100
65 30.9 24.8 37.2



#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





#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

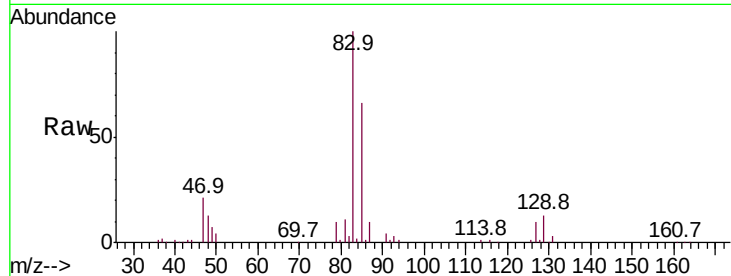
Tot Ion: 83 Resp: 512780

Ion Ratio Lower Upper

83 100

85 66.0 52.5 78.7

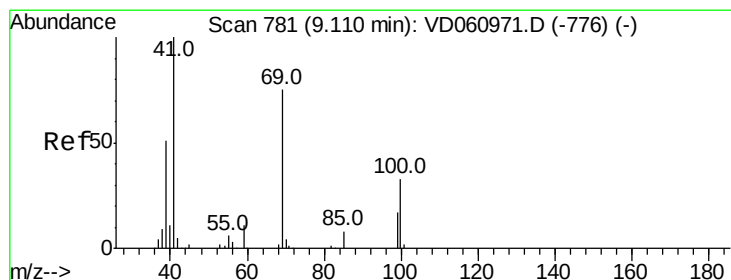
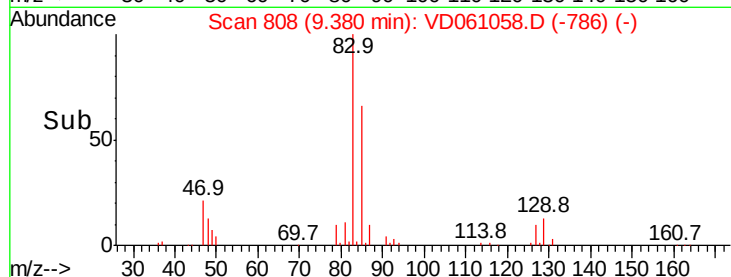
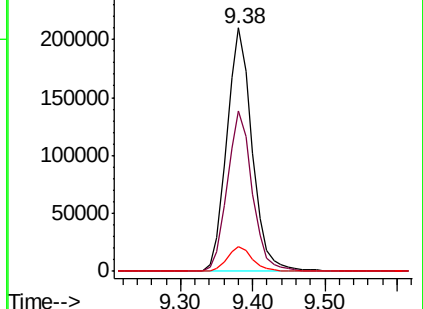
127 10.2 7.5 11.3



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

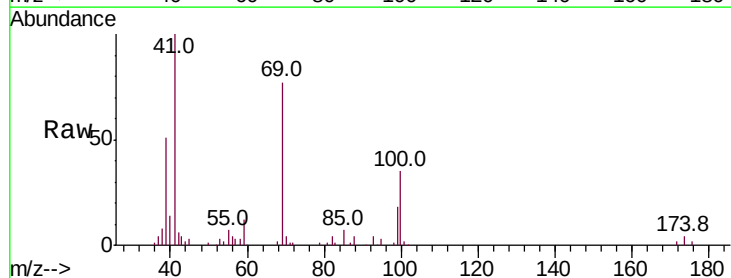
Tgt Ion: 41 Resp: 205219

Ion Ratio Lower Upper

41 100

69 77.1 59.9 89.9

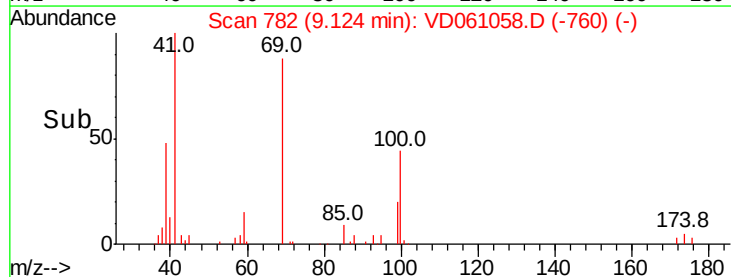
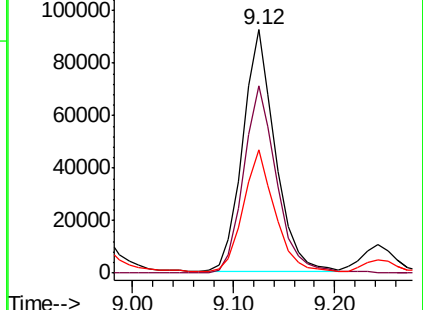
39 50.7 40.9 61.3

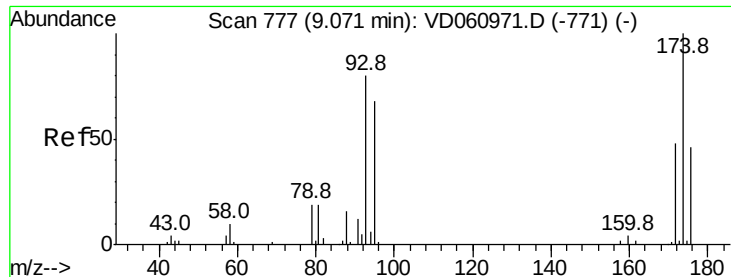


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

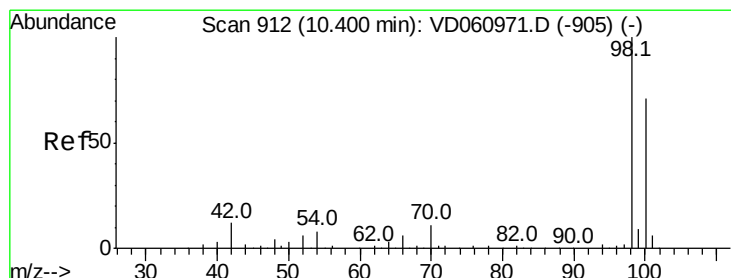
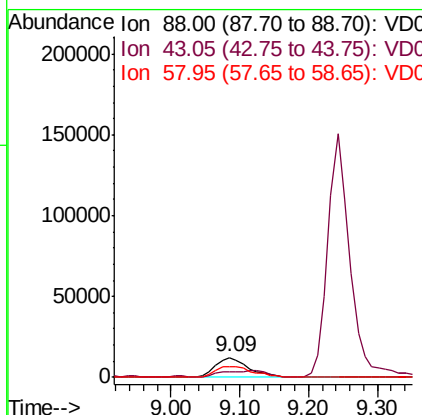
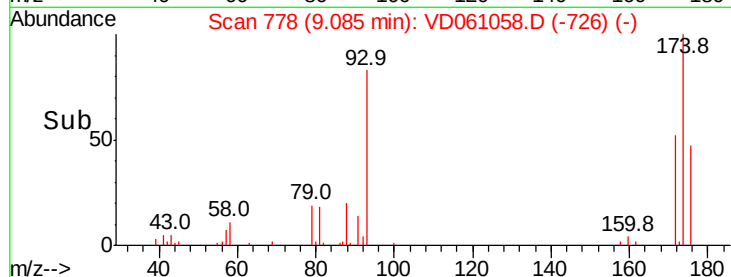
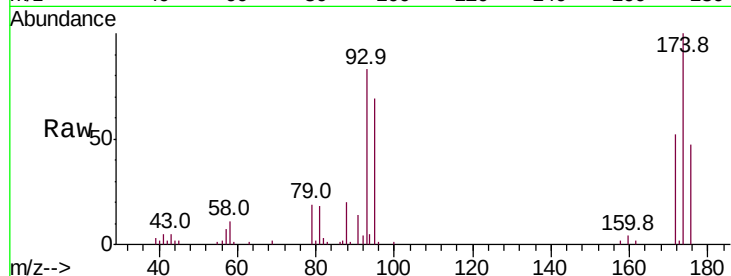




#49
1,4-Dioxane
Concen: 981.324 ug/l
RT: 9.09 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

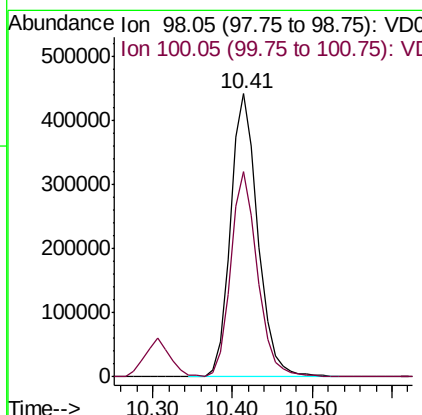
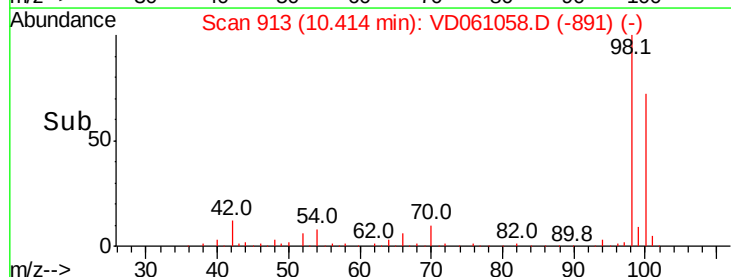
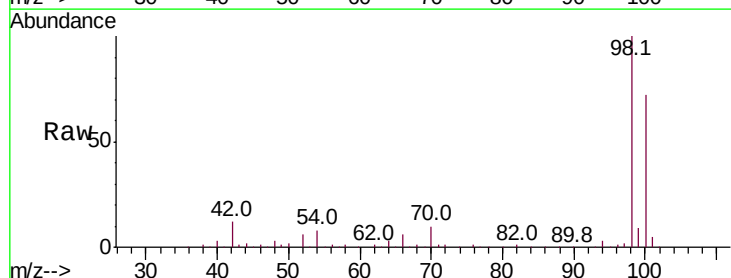
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

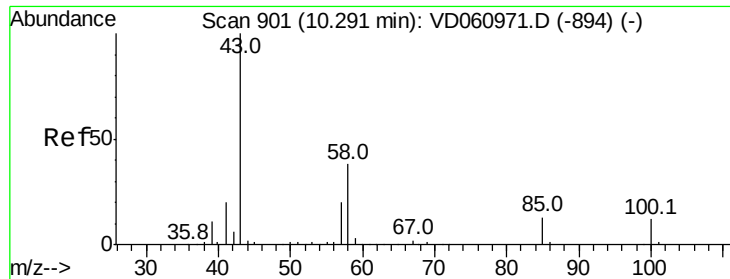
Tot Ion: 88 Resp: 40560
Ion Ratio Lower Upper
88 100
43 26.9 21.0 31.6
58 56.3 48.6 72.8



#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

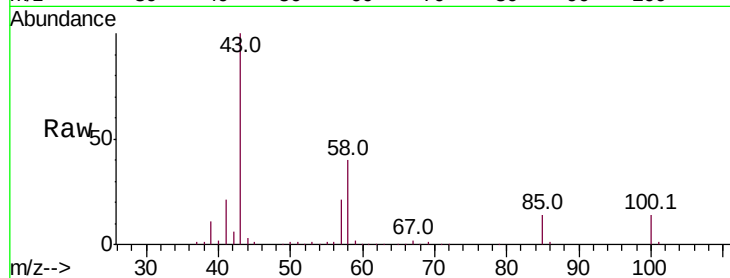




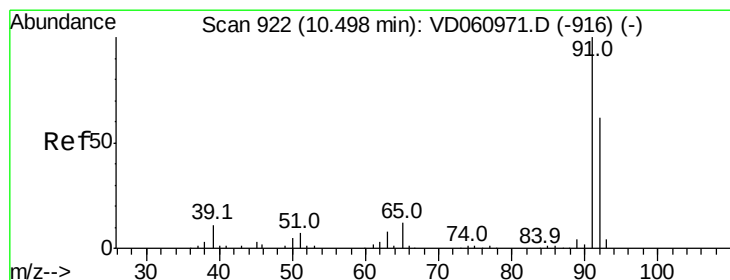
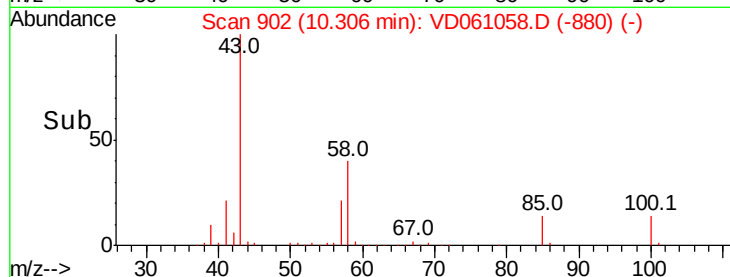
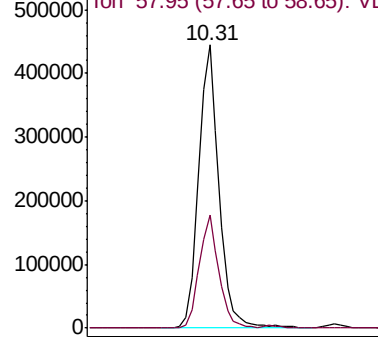
#51
4-Methyl-2-Pentanone
Concen: 232.520 ug/l
RT: 10.31 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1034132
Ion Ratio Lower Upper
43 100
58 40.0 30.2 45.2

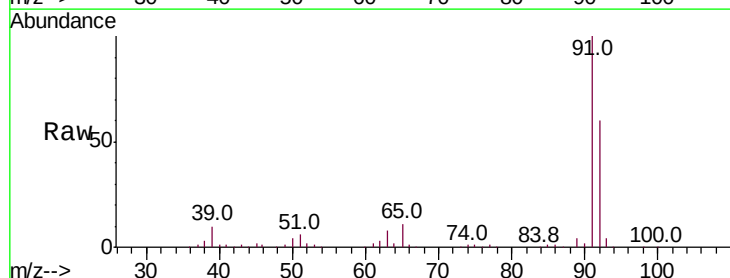


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

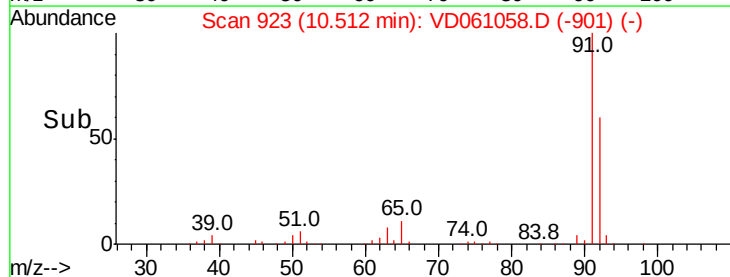
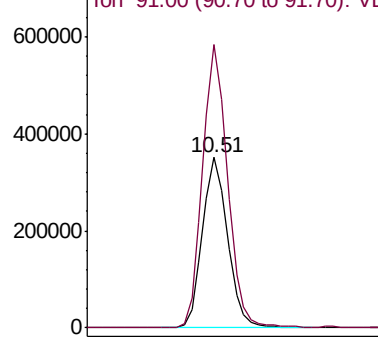


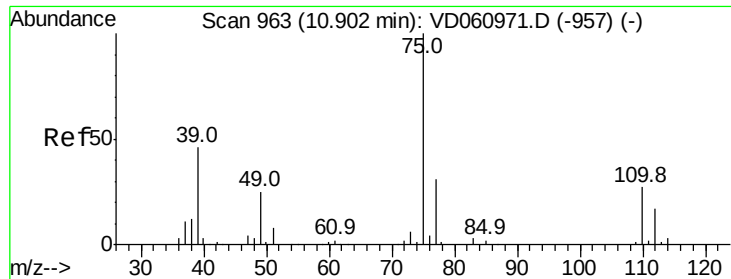
#52
Toluene
Concen: 46.490 ug/l
RT: 10.51 min Scan# 923
Delta R.T. 0.01 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

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

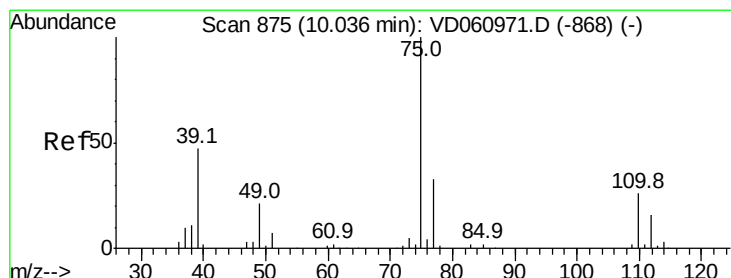
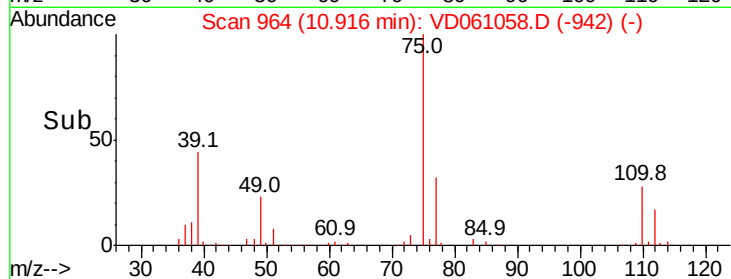
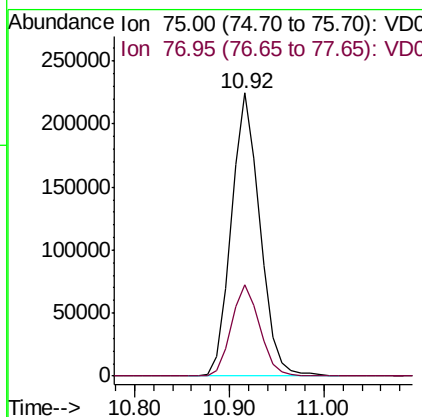
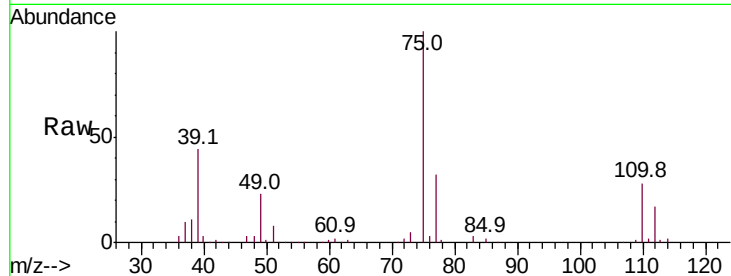




#53
 t-1,3-Dichloropropene
 Concen: 48.809 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

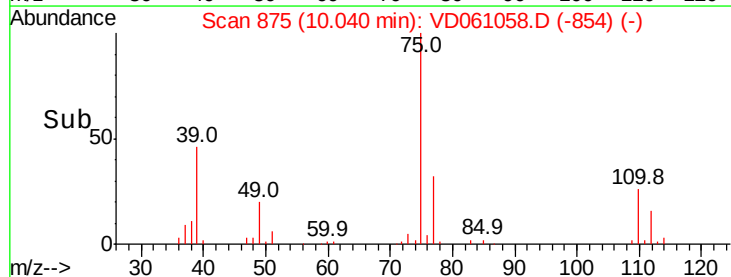
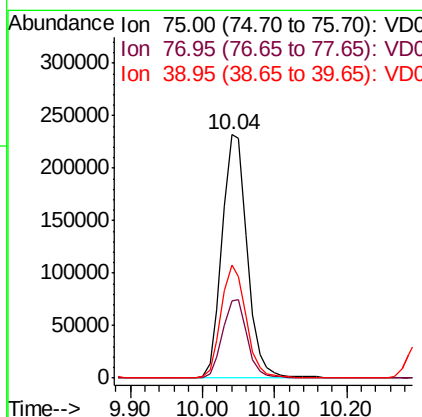
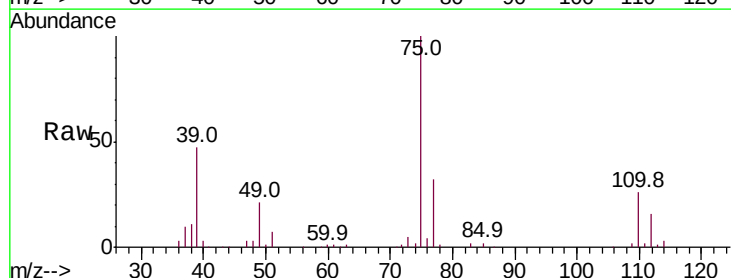
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

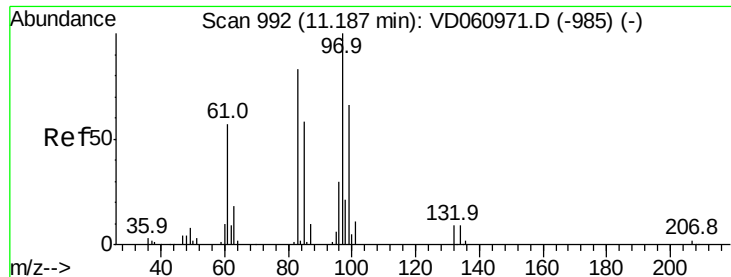
Tot Ion: 75 Resp: 468448
 Ion Ratio Lower Upper
 75 100
 77 32.4 24.7 37.1



#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

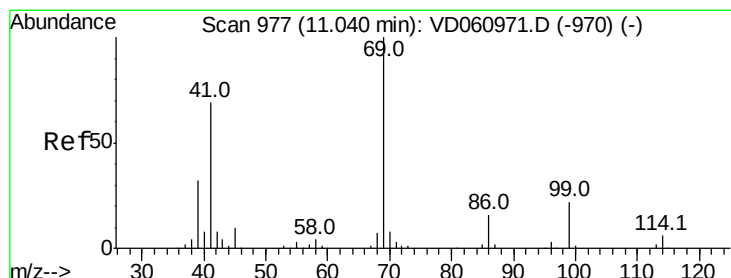
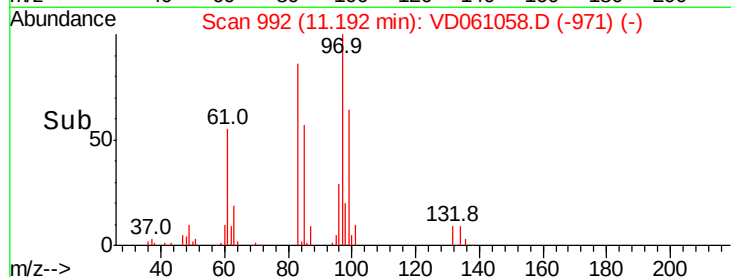
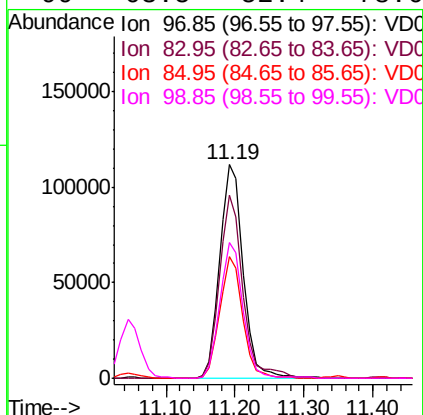
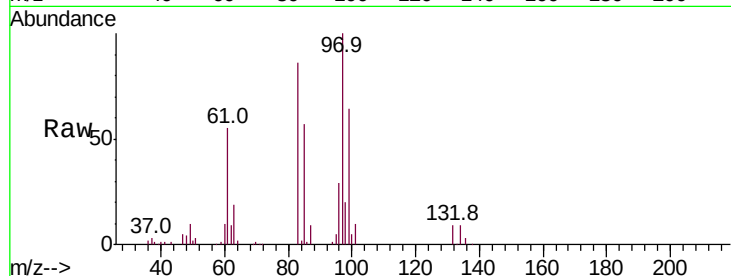




#55
 1,1,2-Trichloroethane
 Concen: 45.582 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

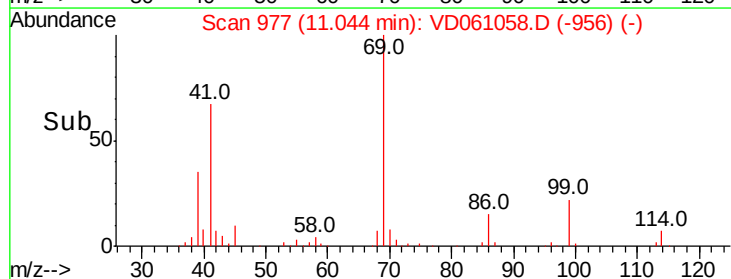
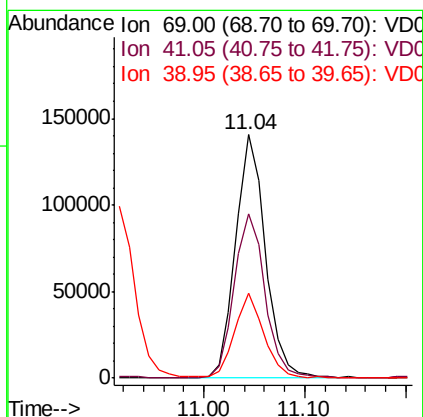
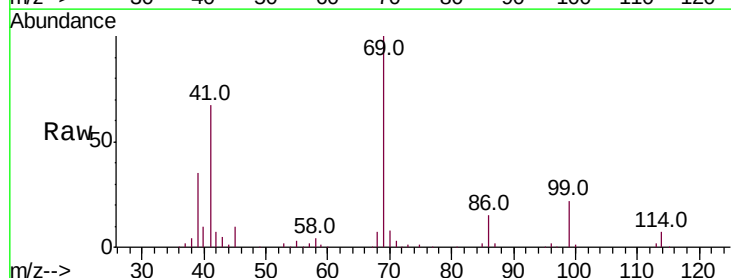
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

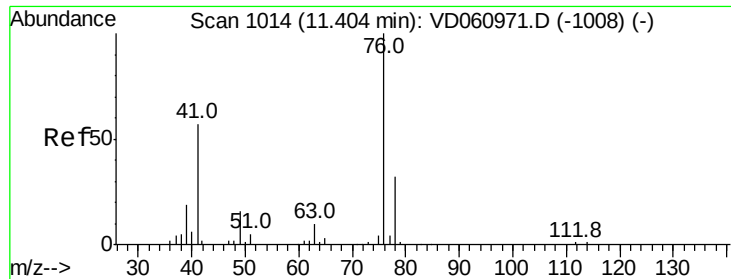
Tot Ion:	97	Resp:	263457
Ion	Ratio	Lower	Upper
97	100		
83	85.9	66.6	100.0
85	56.8	46.4	69.6
99	63.5	52.4	78.6



#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

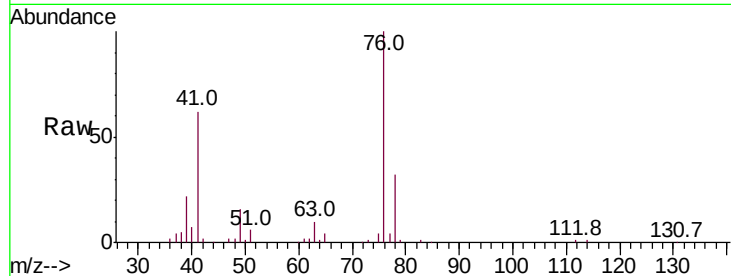




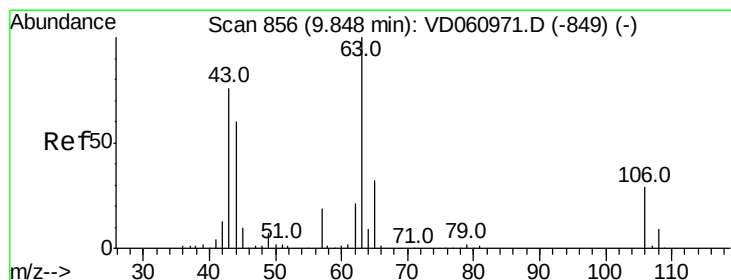
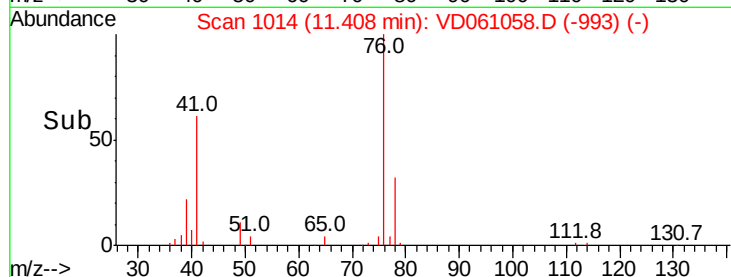
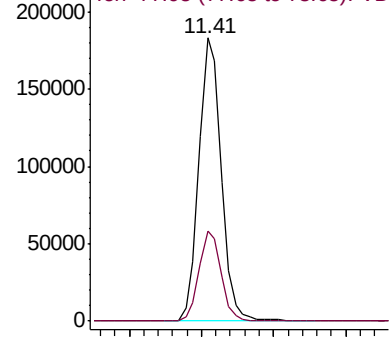
#57
 1,3-Dichloropropane
 Concen: 45.481 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

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

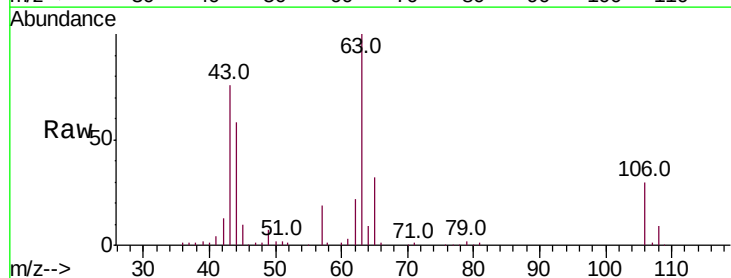


Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

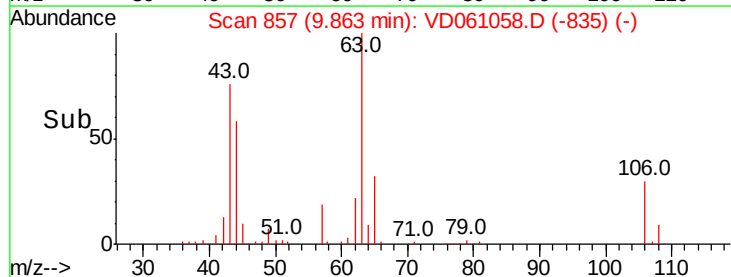
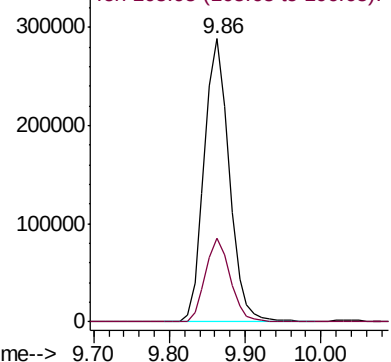


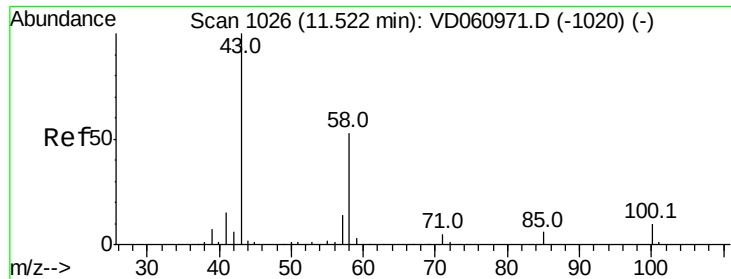
#58
 2-Chloroethyl Vinyl ether
 Concen: 207.256 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

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

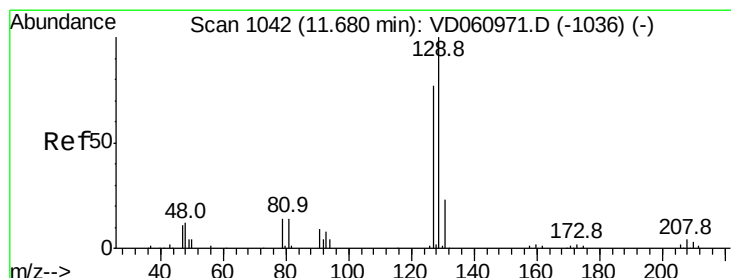
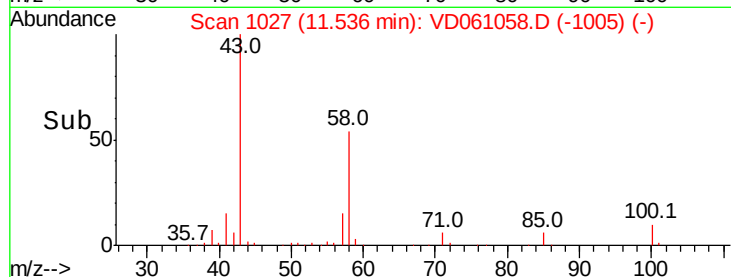
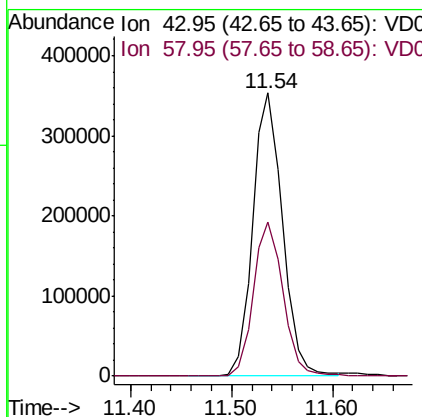
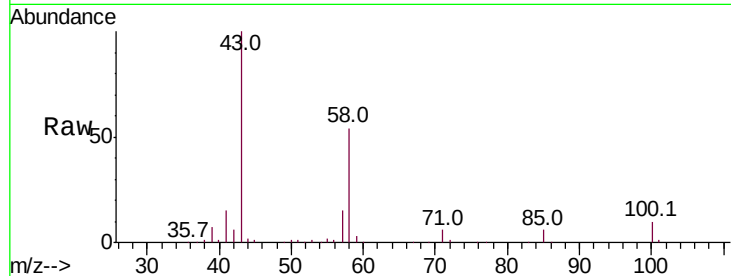




#59
2-Hexanone
Concen: 222.631 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

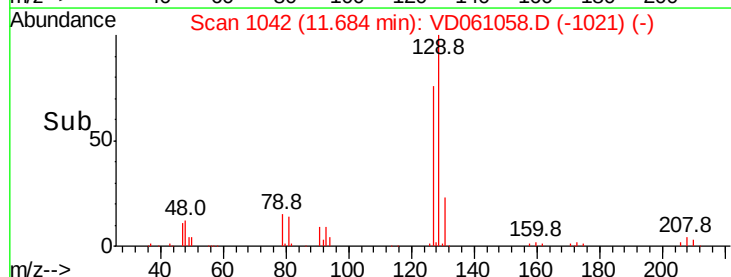
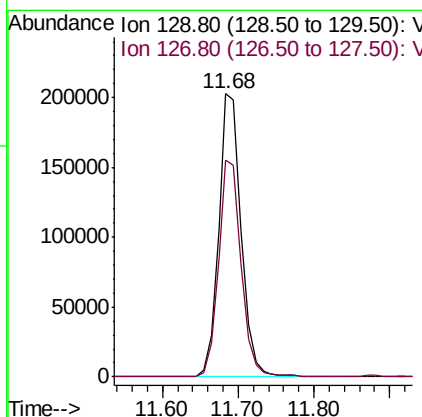
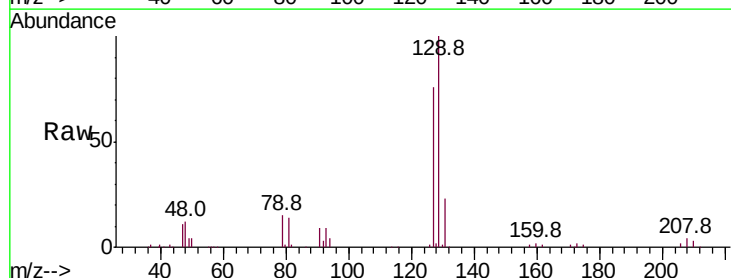
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

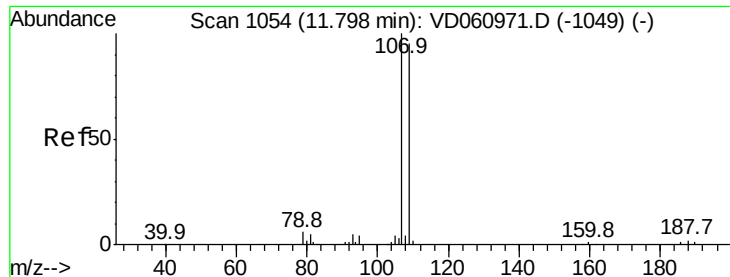
Tot Ion: 43 Resp: 724291
Ion Ratio Lower Upper
43 100
58 54.3 26.5 79.5



#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

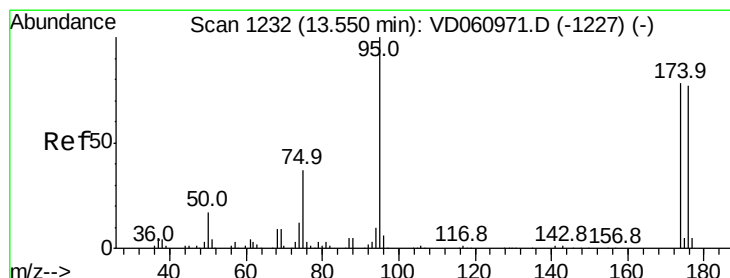
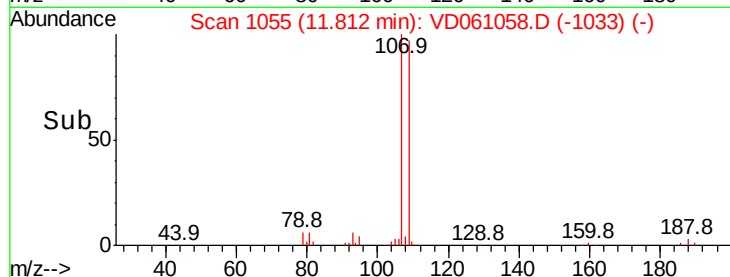
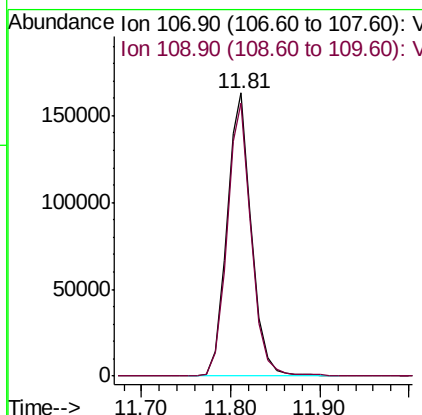
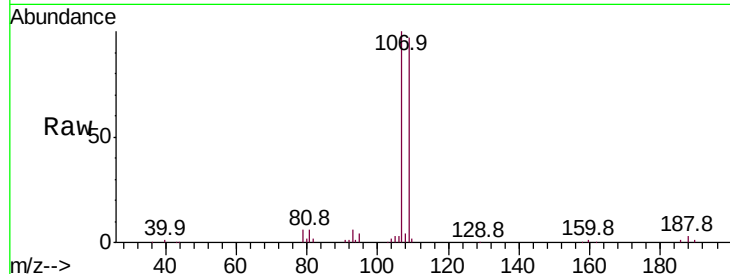




#61
 1,2-Dibromoethane
 Concen: 46.641 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

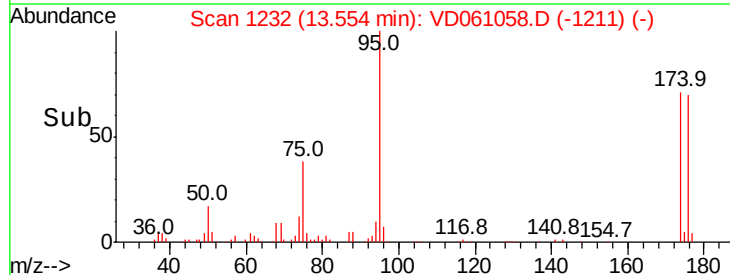
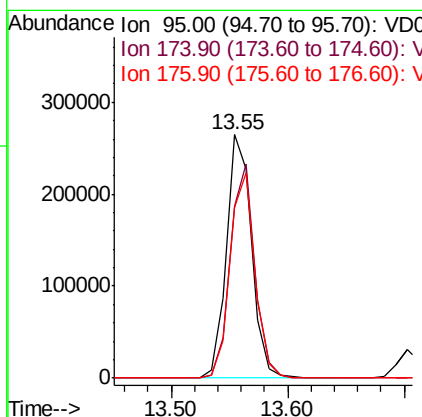
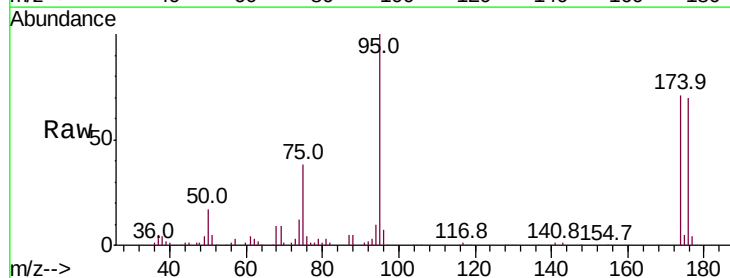
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

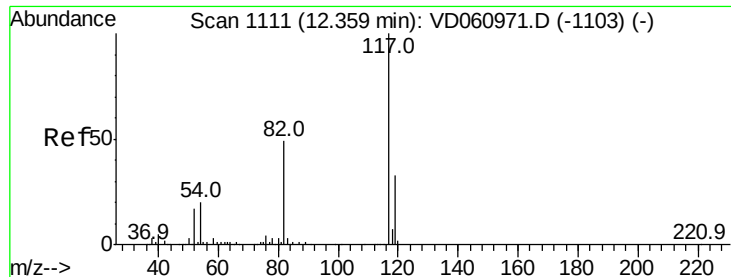
Tot Ion:107 Resp: 313593
 Ion Ratio Lower Upper
 107 100
 109 96.6 75.6 113.4



#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

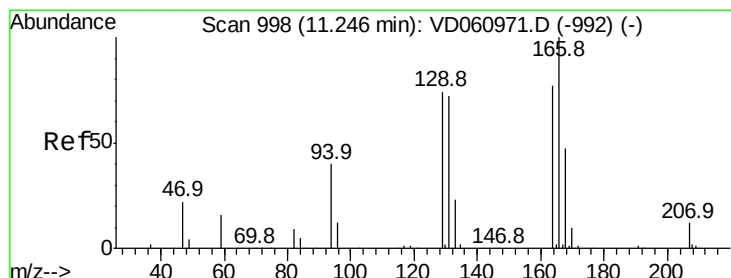
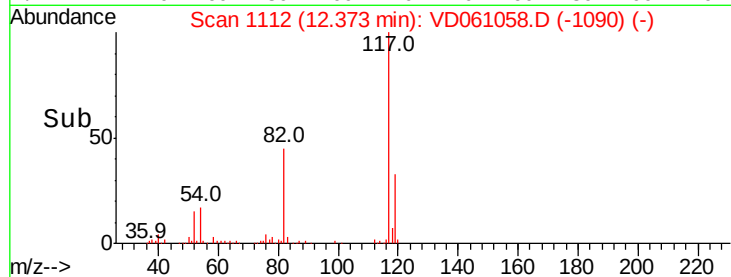
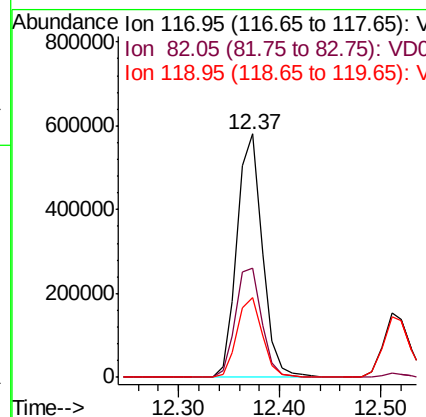
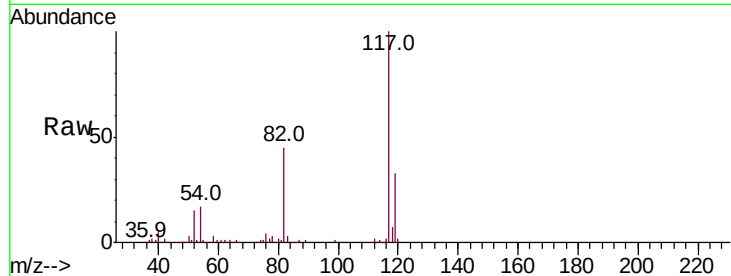




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

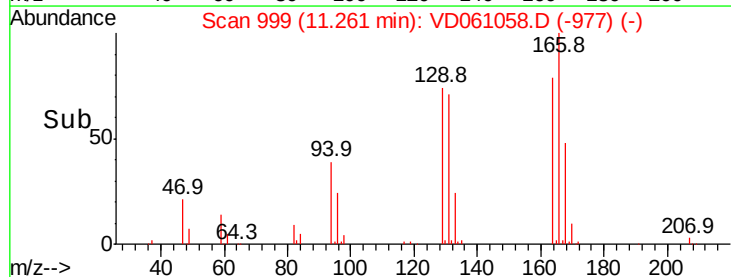
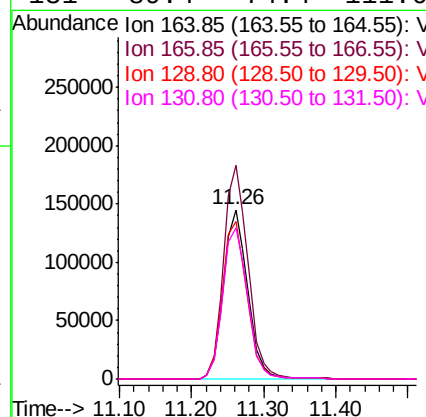
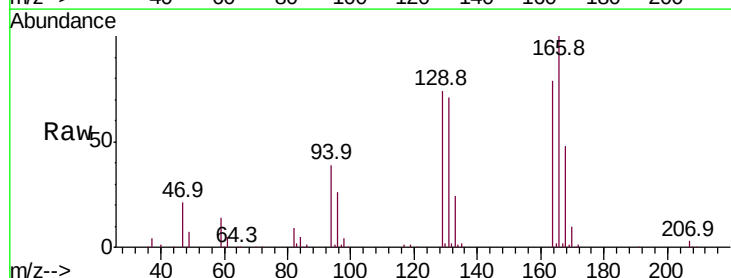
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

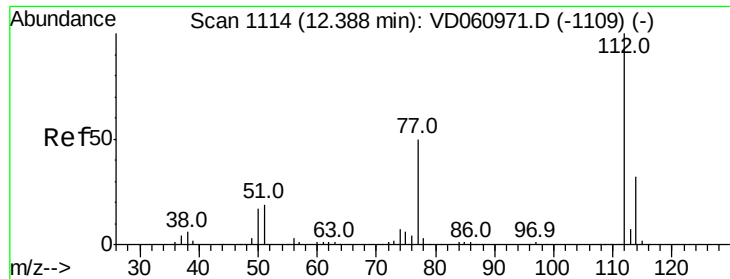
Tot Ion:117 Resp: 1015371
Ion Ratio Lower Upper
117 100
82 45.0 38.9 58.3
119 32.6 26.6 39.8



#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

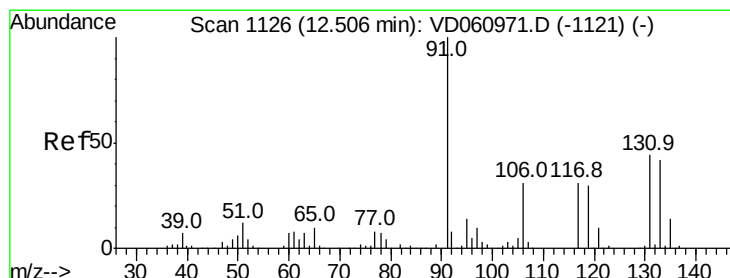
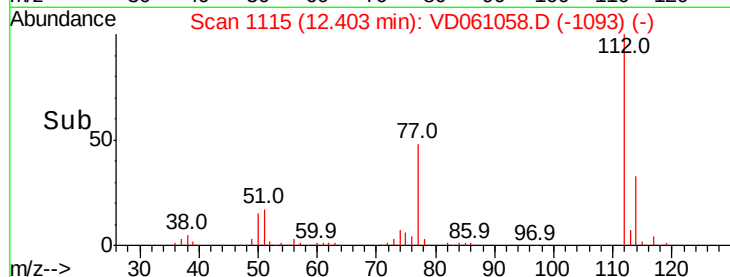
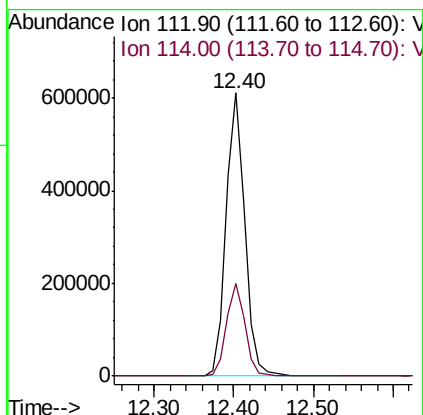
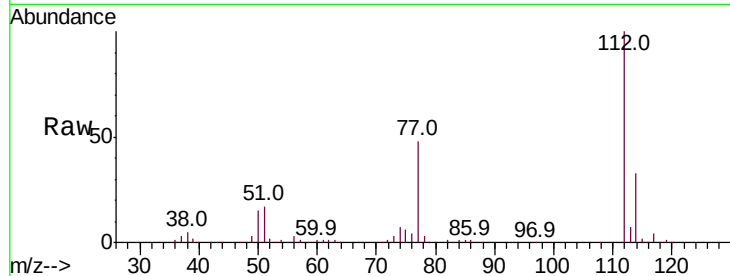




#65
Chlorobenzene
Concen: 51.043 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

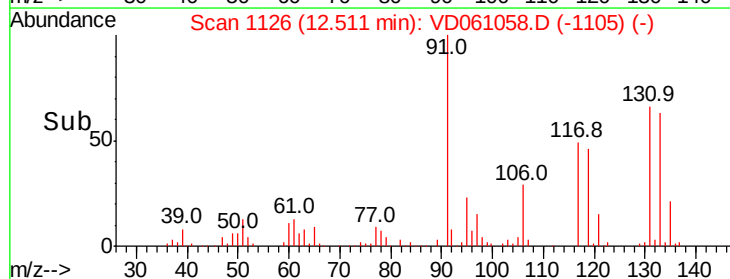
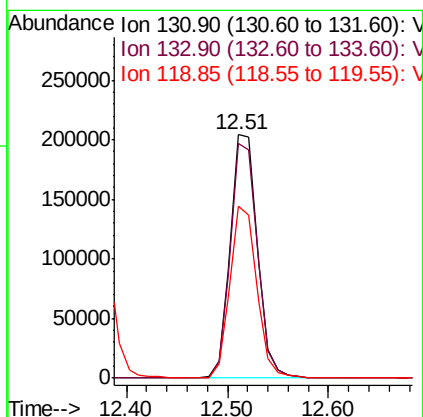
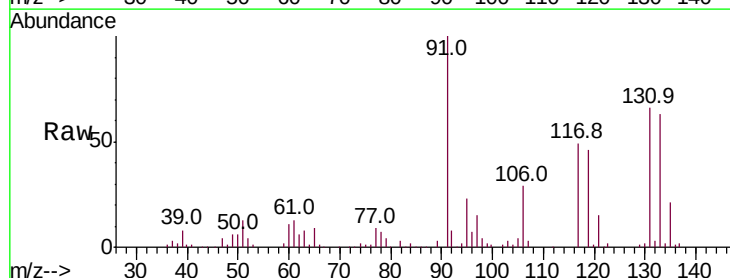
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

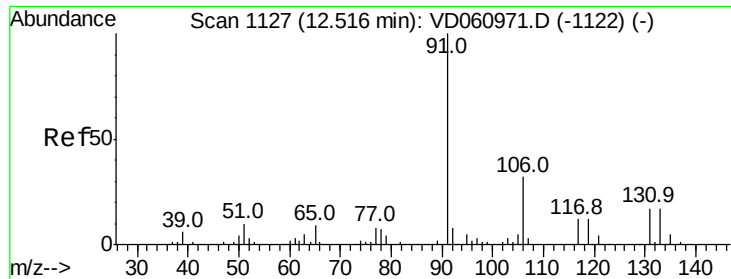
Tot Ion:112 Resp: 1016045
Ion Ratio Lower Upper
112 100
114 32.7 26.0 39.0



#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

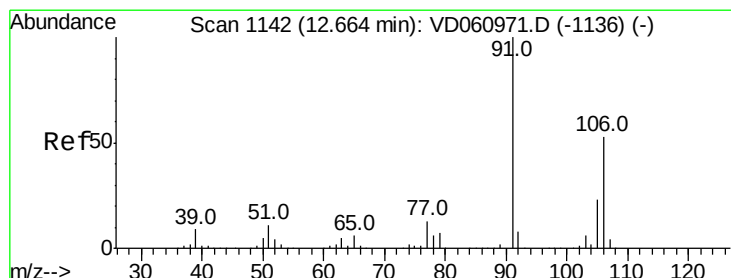
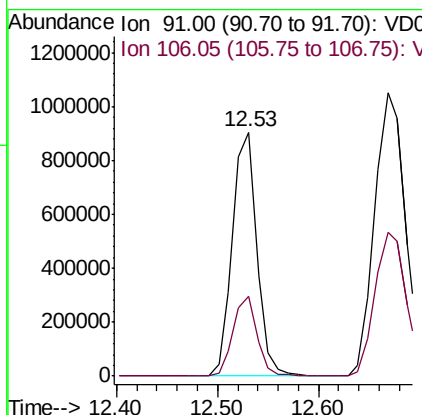
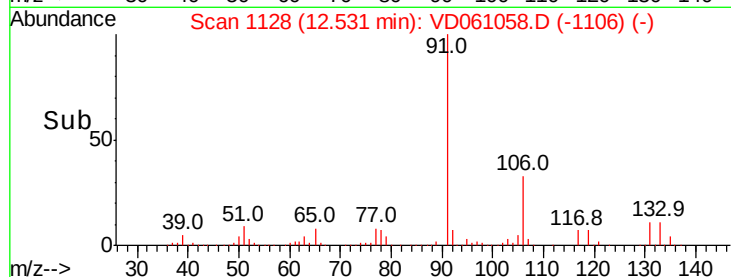
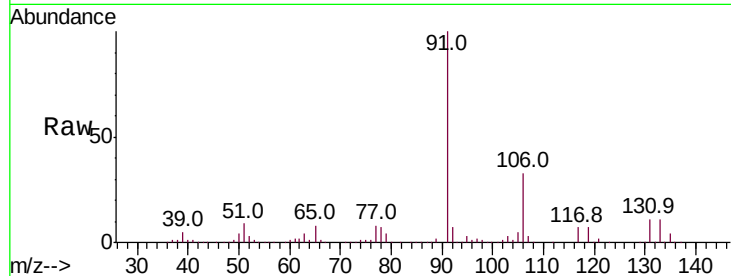




#67
Ethyl Benzene
Concen: 51.485 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

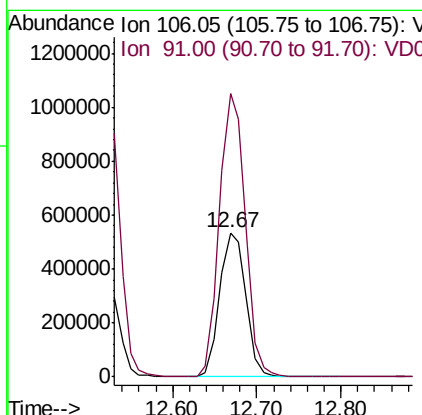
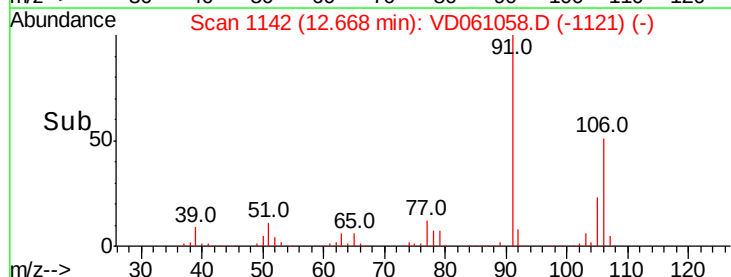
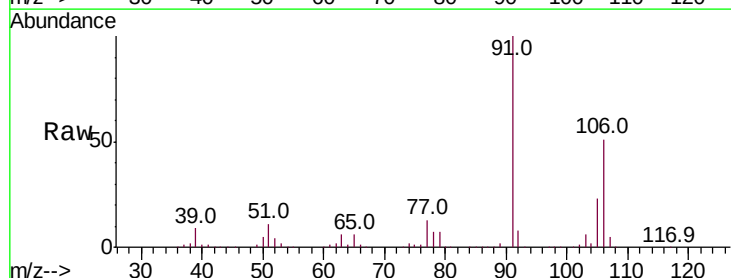
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

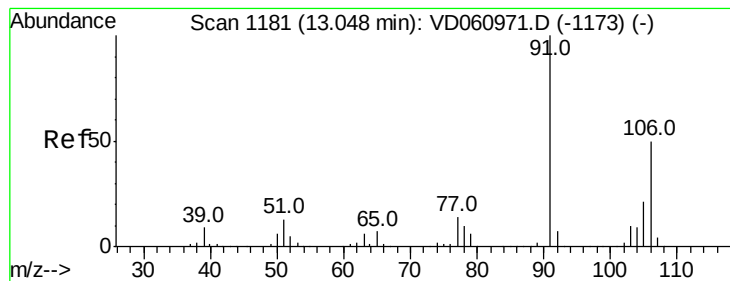
Tot Ion: 91 Resp: 1525718
Ion Ratio Lower Upper
91 100
106 33.0 25.7 38.5



#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 :

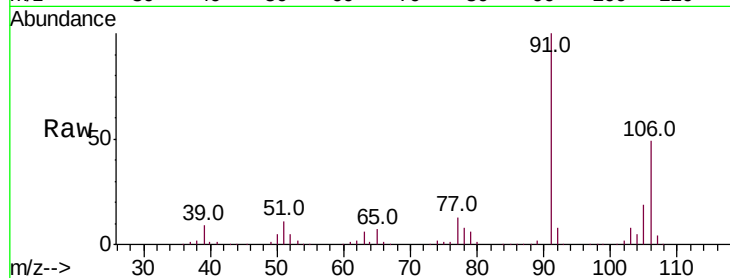
VSTDCCC050

Tot Ion:106 Resp: 539290

Ion Ratio Lower Upper

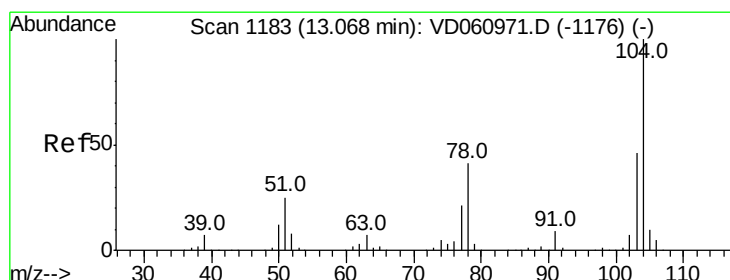
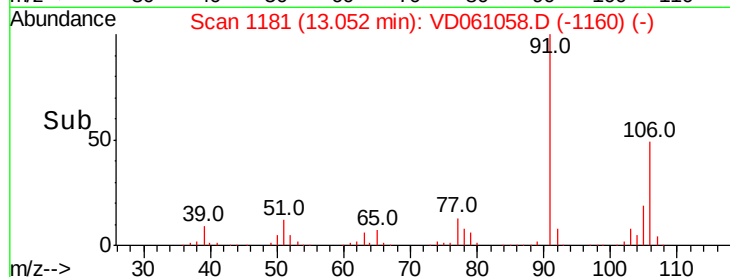
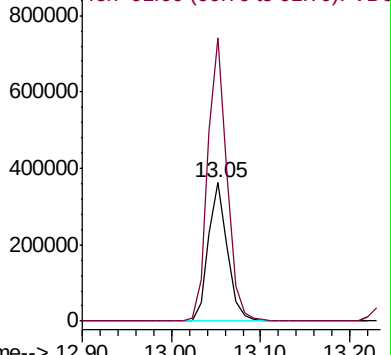
106 100

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

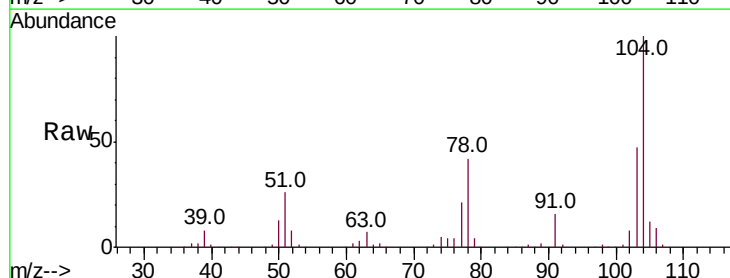
Tgt Ion:104 Resp: 883599

Ion Ratio Lower Upper

104 100

78 42.2 33.0 49.4

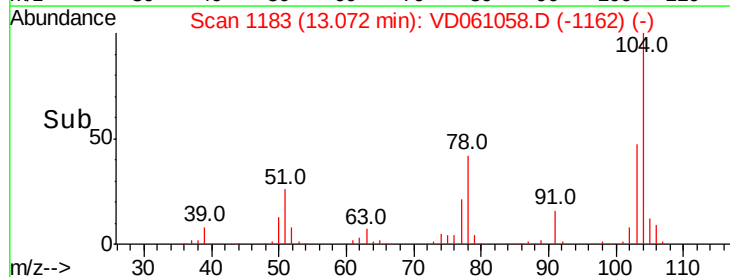
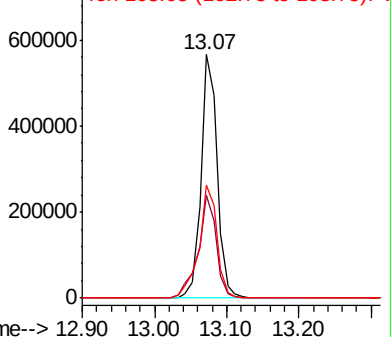
103 46.6 37.1 55.7

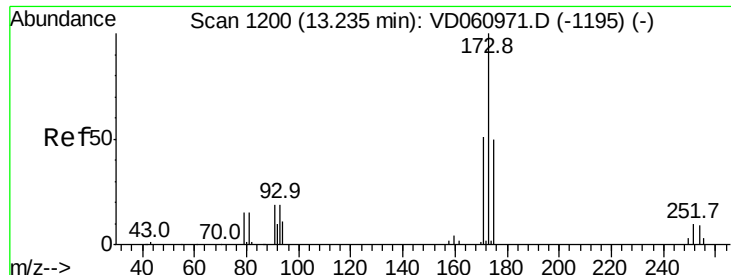


Abundance Ion 104.05 (103.75 to 104.75): V

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

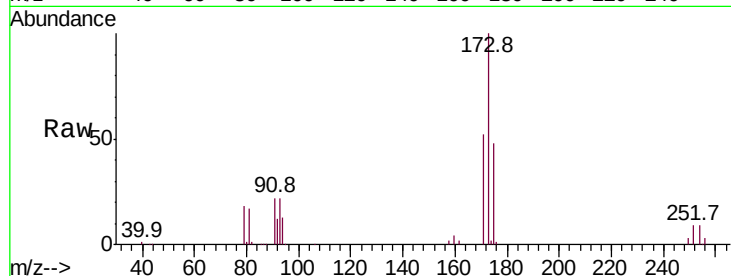
Tot Ion:173 Resp: 237619

Ion Ratio Lower Upper

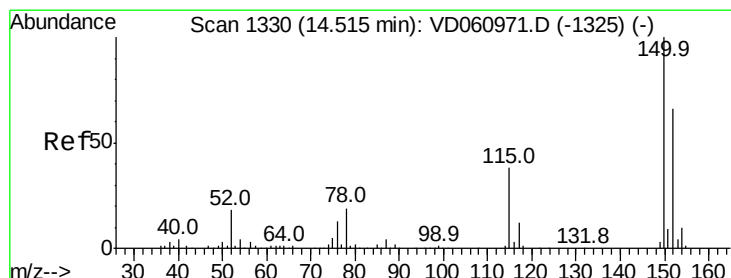
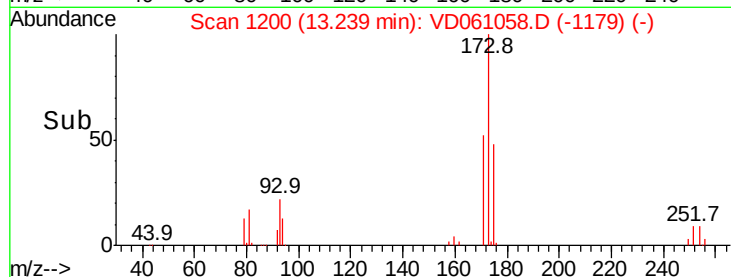
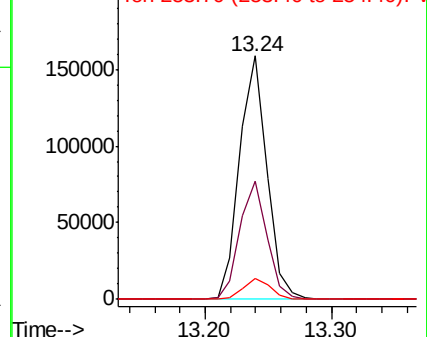
173 100

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

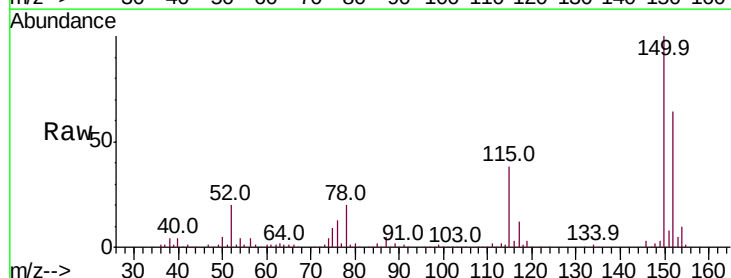
Tgt Ion:152 Resp: 470563

Ion Ratio Lower Upper

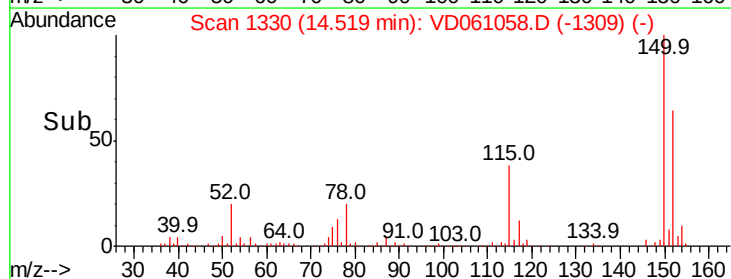
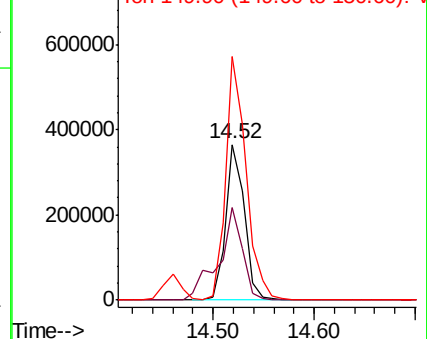
152 100

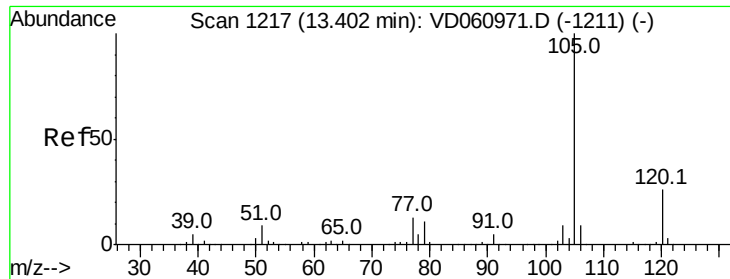
115 59.0 28.6 85.9

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 :

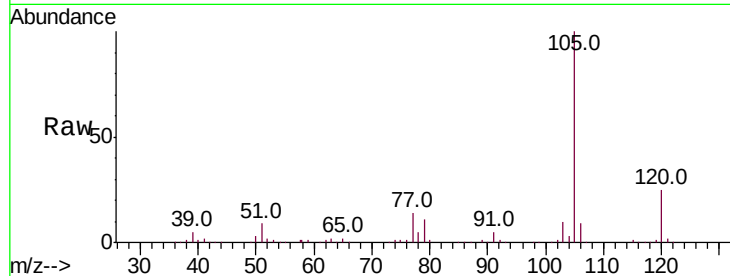
VSTDCCC050

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

13.41

1000000

800000

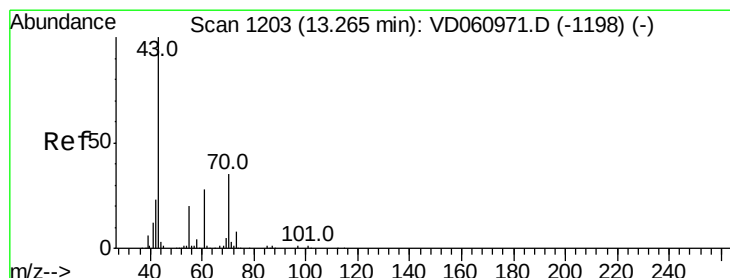
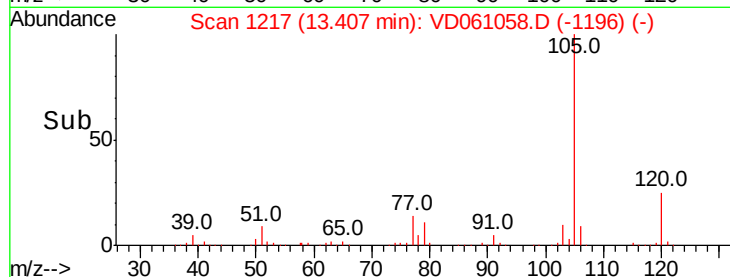
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#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

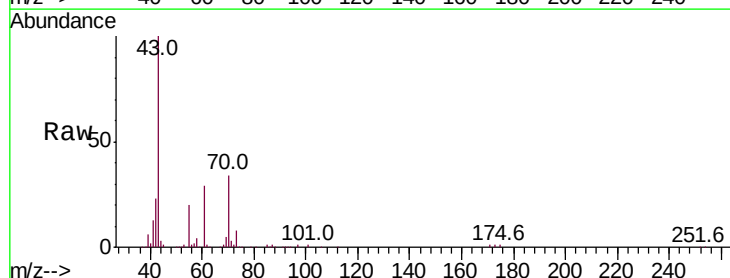
Ion Ratio Lower Upper

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

13.27

500000

400000

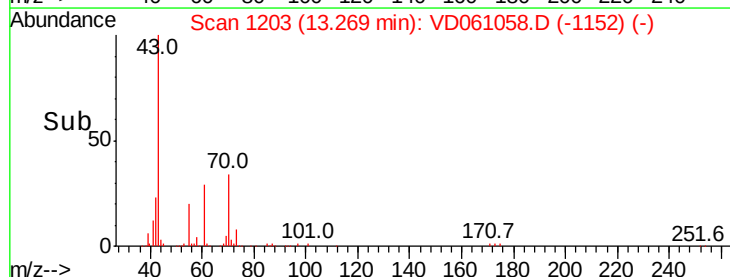
300000

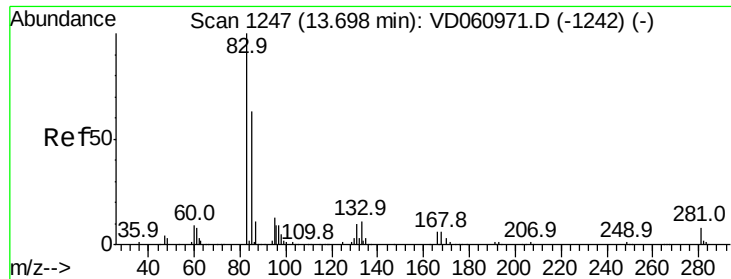
200000

100000

0

Time--> 13.20 13.30





#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

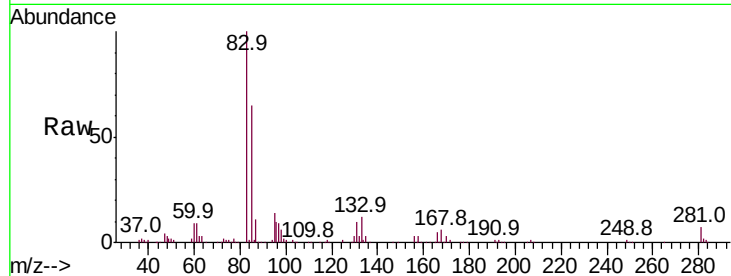
Tot Ion: 83 Resp: 308107

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.3

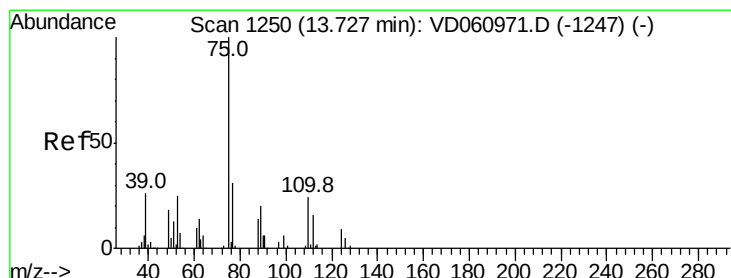
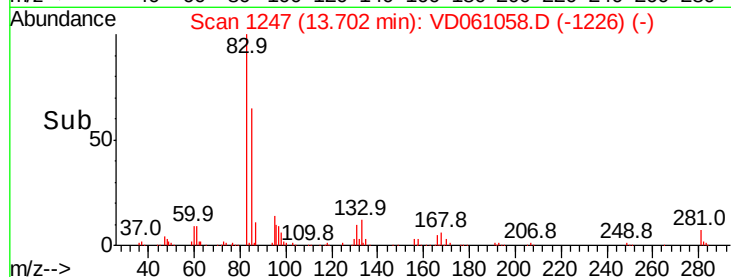
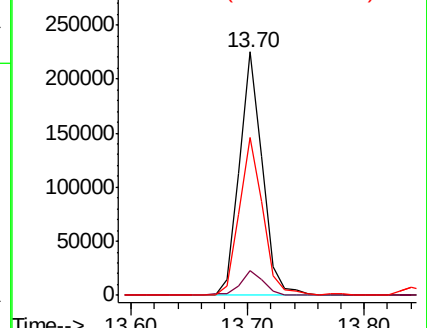
85 64.8 31.5 94.5



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

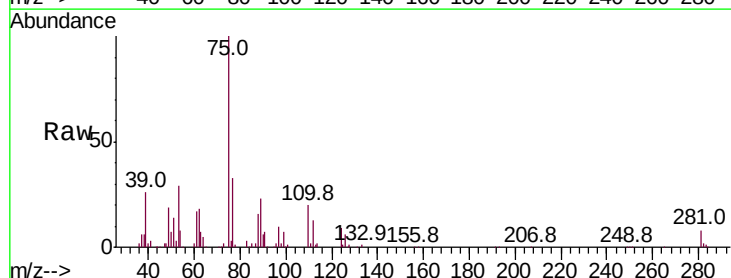
Acq: 14 Mar 2019 11:49

Tgt Ion: 75 Resp: 314350

Ion Ratio Lower Upper

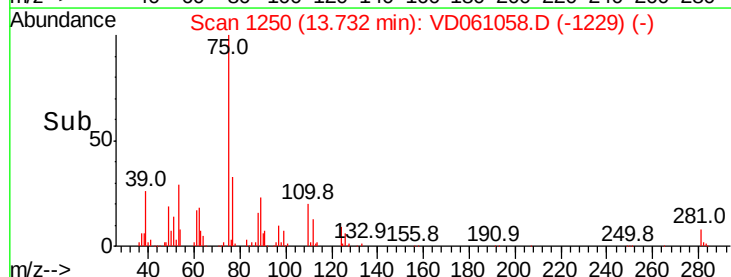
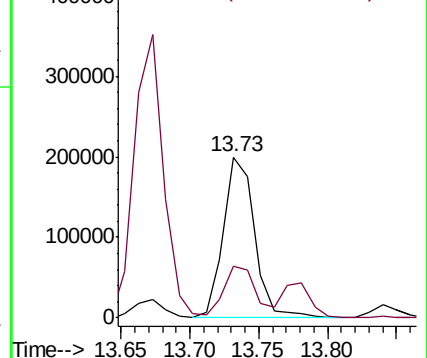
75 100

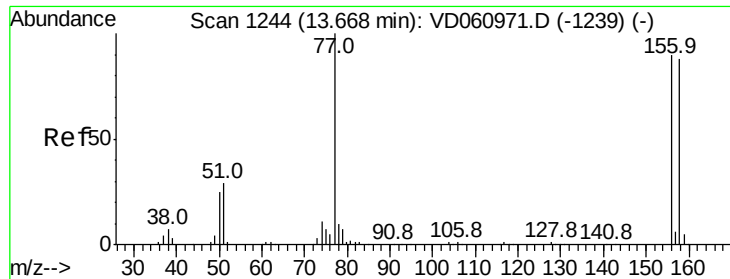
77 32.5 16.6 49.7



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

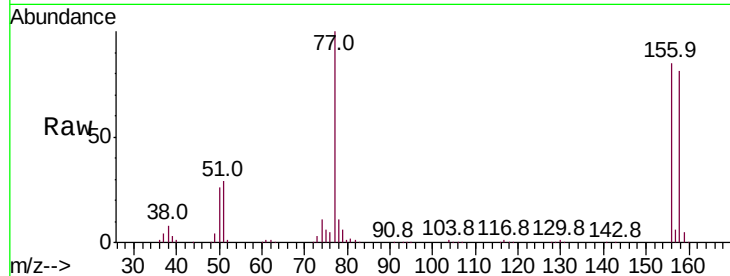
Tot Ion:156 Resp: 410616

Ion Ratio Lower Upper

156 100

77 118.3 55.5 166.7

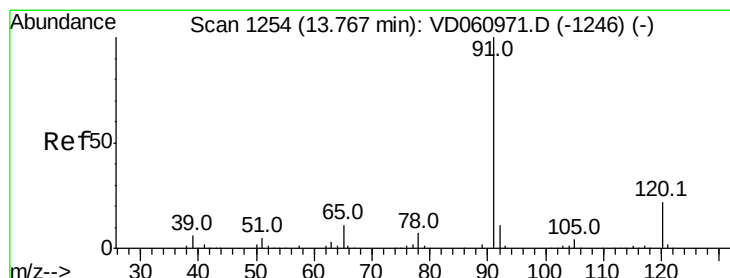
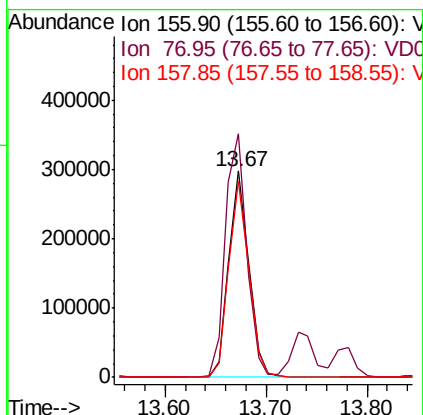
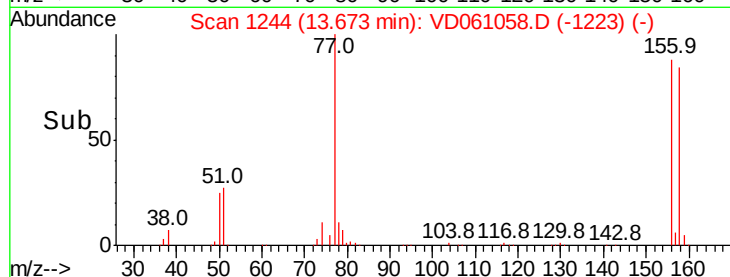
158 95.5 49.0 147.0



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

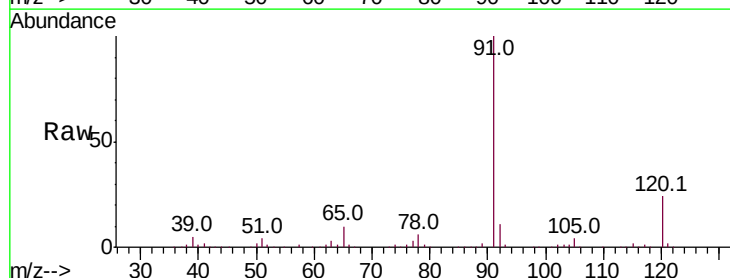
Acq: 14 Mar 2019 11:49

Tgt Ion: 91 Resp: 1838862

Ion Ratio Lower Upper

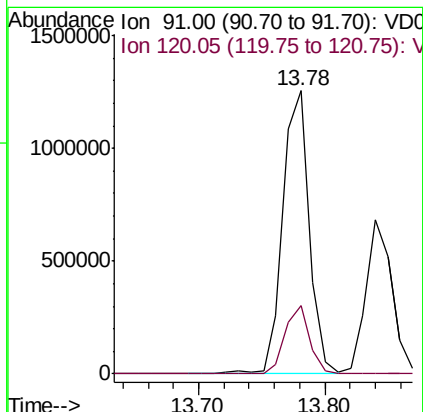
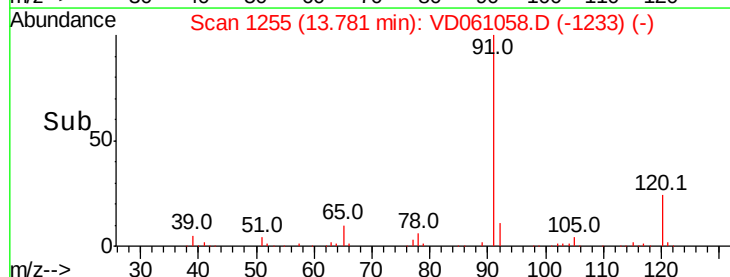
91 100

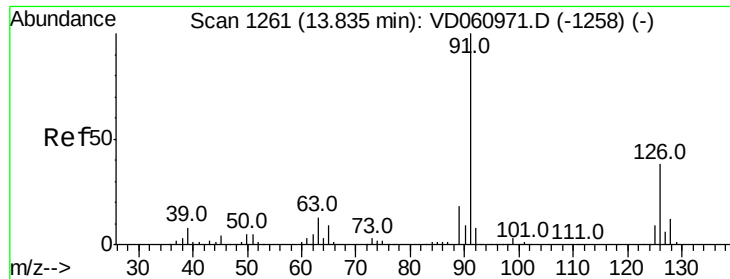
120 24.2 10.8 32.3



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 :

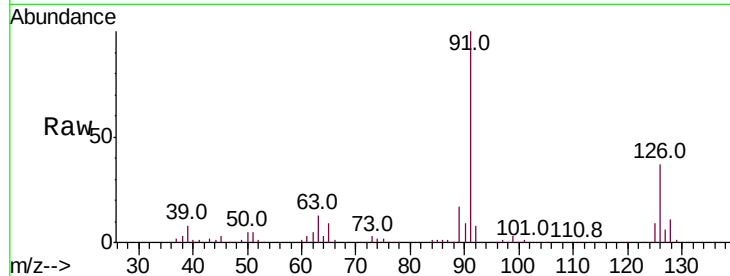
VSTDCCC050

Tot Ion: 91 Resp: 972656

Ion Ratio Lower Upper

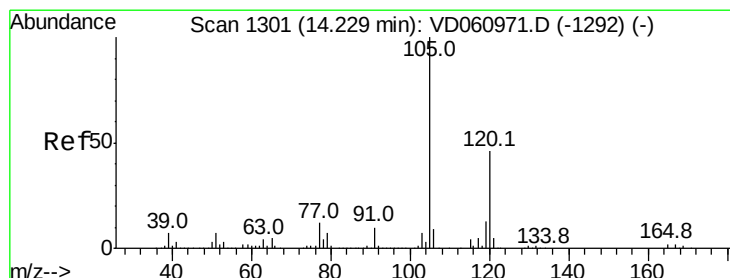
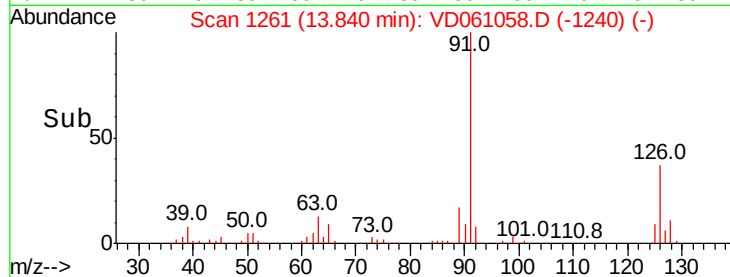
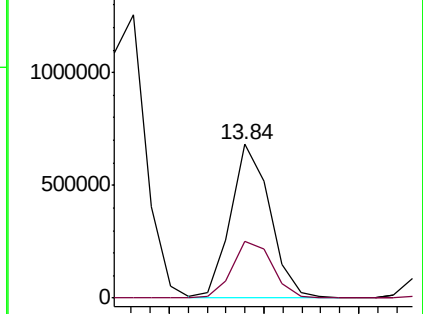
91 100

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

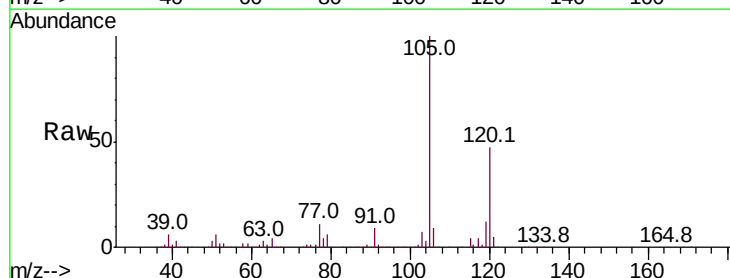
Acq: 14 Mar 2019 11:49

Tgt Ion:105 Resp: 1135283

Ion Ratio Lower Upper

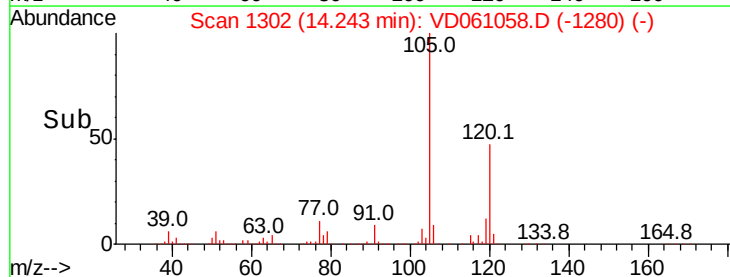
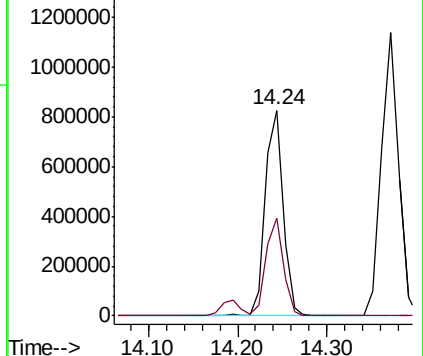
105 100

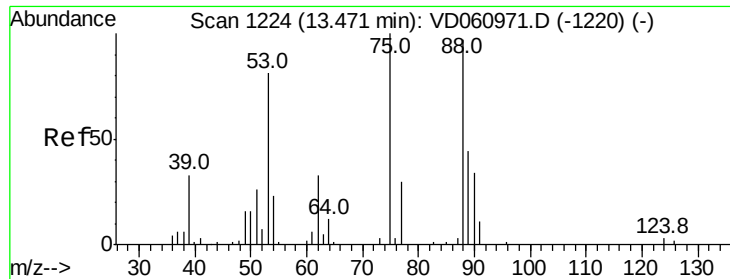
120 47.3 22.9 68.5



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

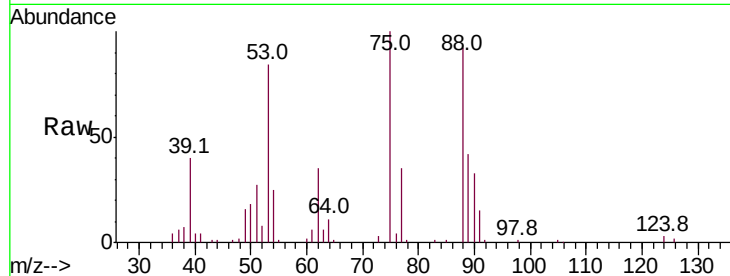
Tot Ion: 75 Resp: 92175

Ion Ratio Lower Upper

75 100

53 84.0 64.4 96.6

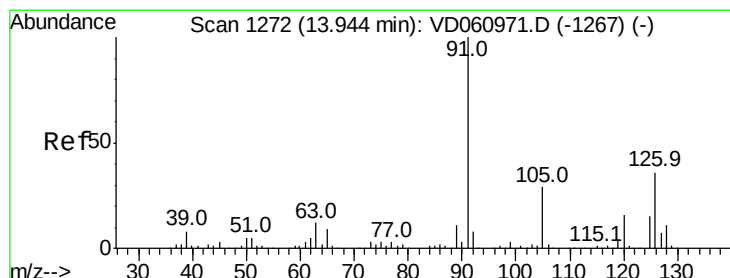
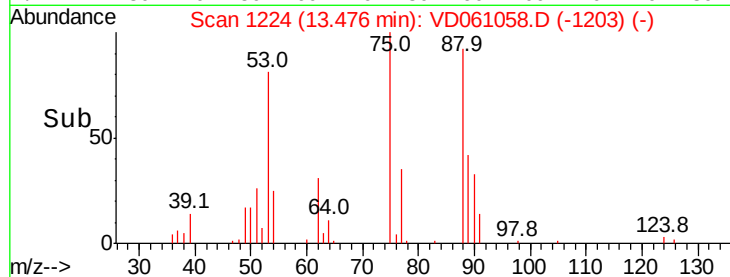
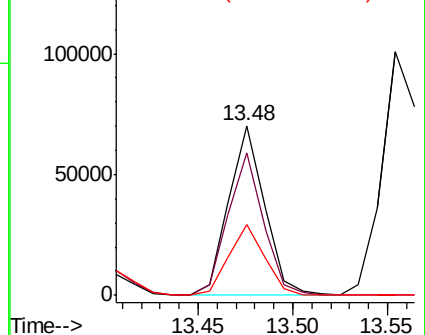
89 41.8 34.8 52.2



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

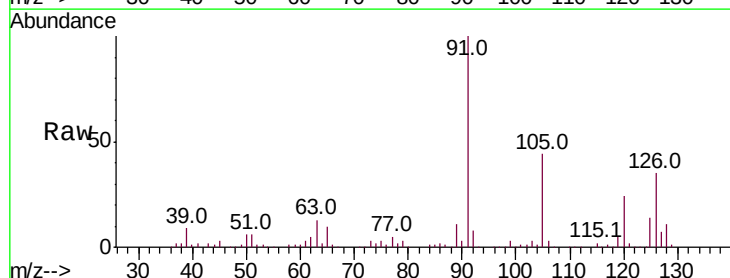
Acq: 14 Mar 2019 11:49

Tgt Ion: 91 Resp: 1058577

Ion Ratio Lower Upper

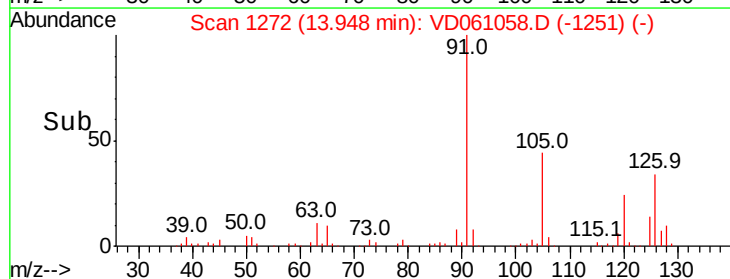
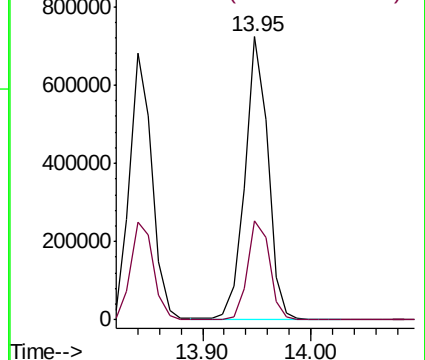
91 100

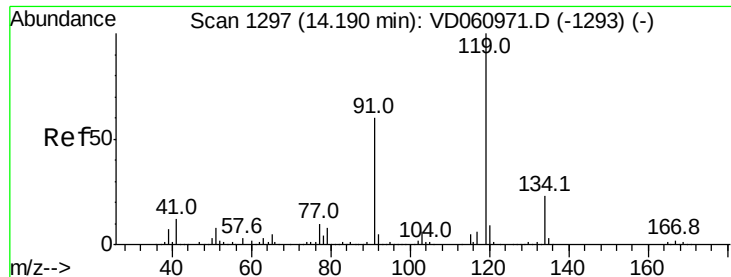
126 34.9 18.0 54.0



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

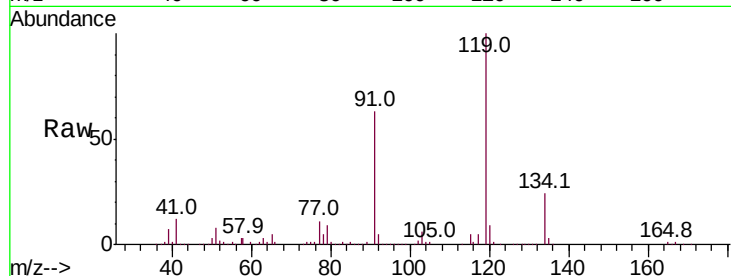
Tot Ion:119 Resp: 1311063

Ion	Ratio	Lower	Upper
119	100		
91	62.8	30.1	90.3
134	24.4	11.6	34.7

119 100

91 62.8 30.1 90.3

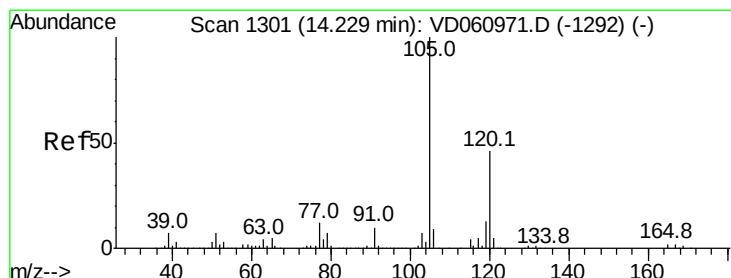
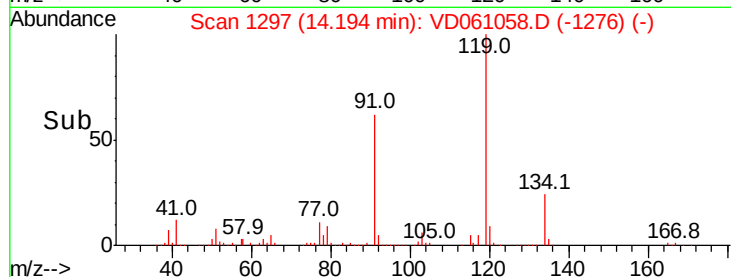
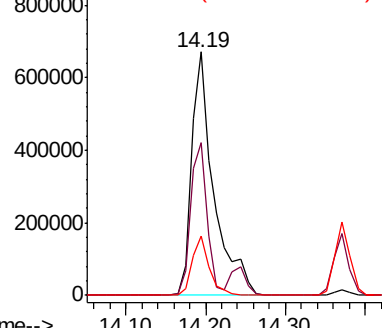
134 24.4 11.6 34.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 44.097 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD061058.D

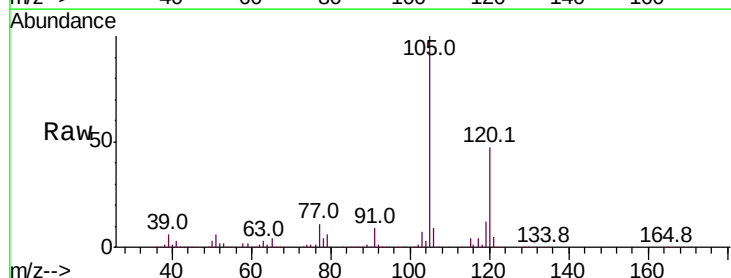
Acq: 14 Mar 2019 11:49

Tgt Ion:105 Resp: 1135283

Ion	Ratio	Lower	Upper
105	100		
120	47.3	22.9	68.5

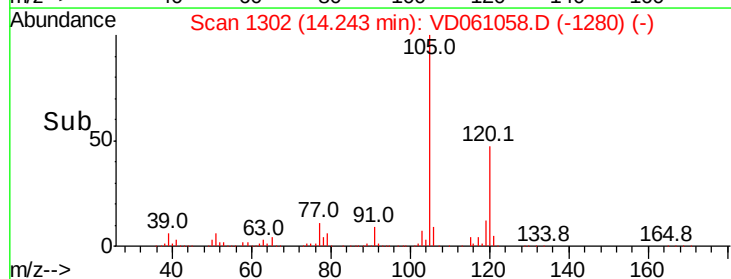
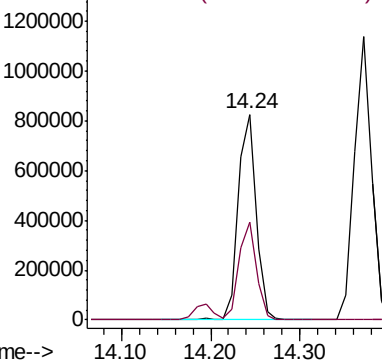
105 100

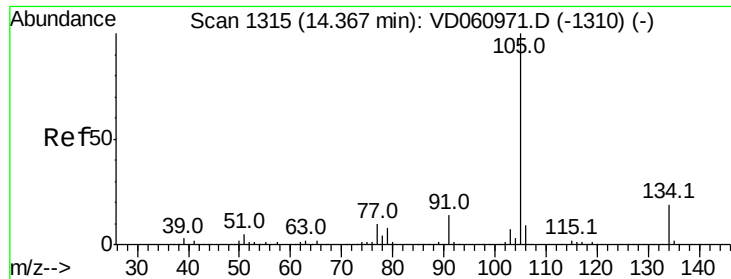
120 47.3 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

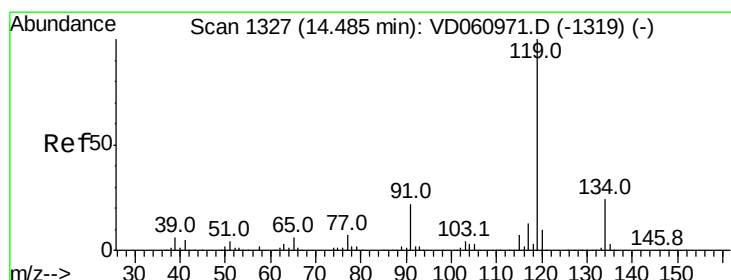
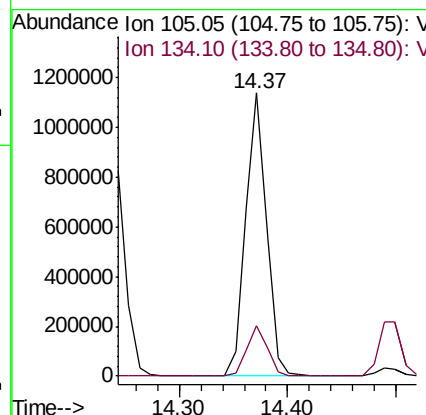
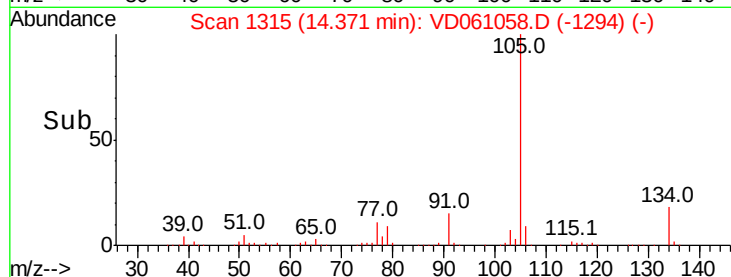
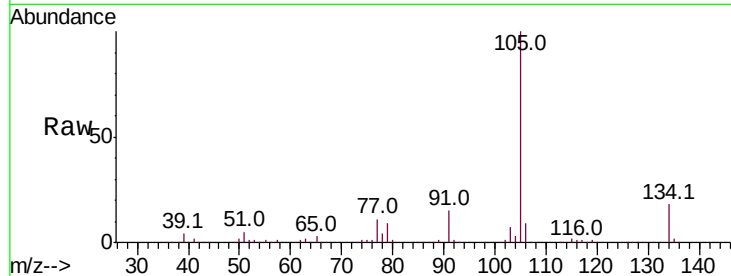




#85
 sec-Butylbenzene
 Concen: 43.771 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

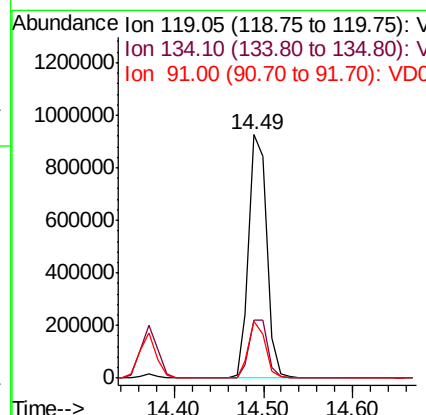
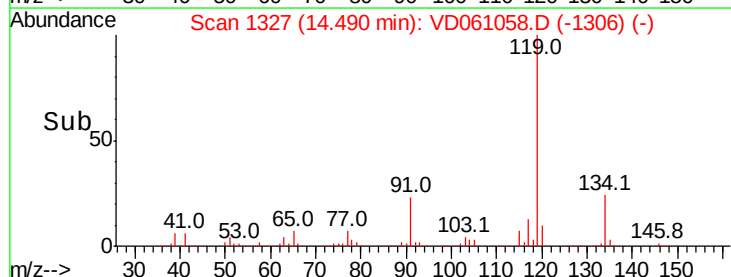
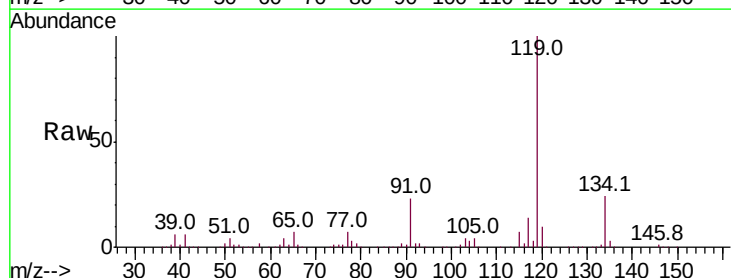
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

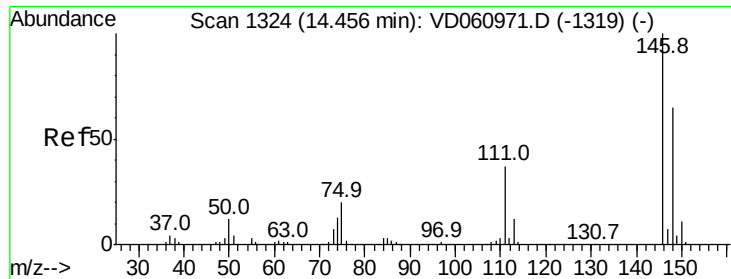
Tot Ion:105 Resp: 1505568
 Ion Ratio Lower Upper
 105 100
 134 17.8 9.4 28.2



#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

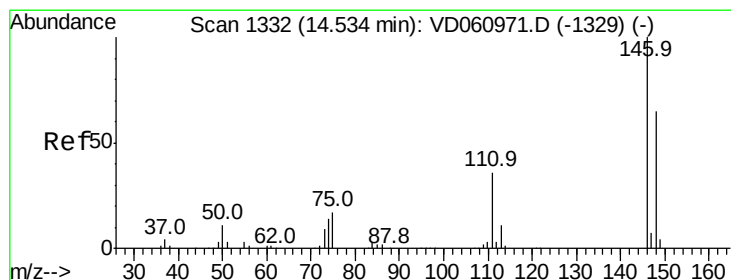
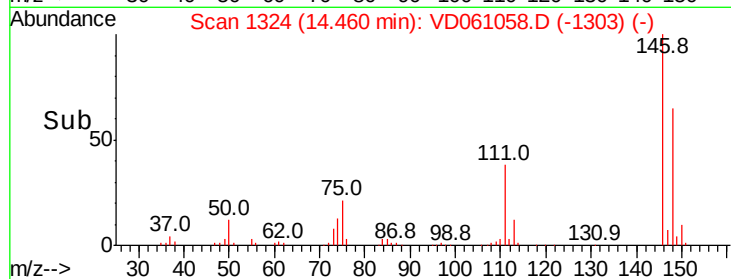
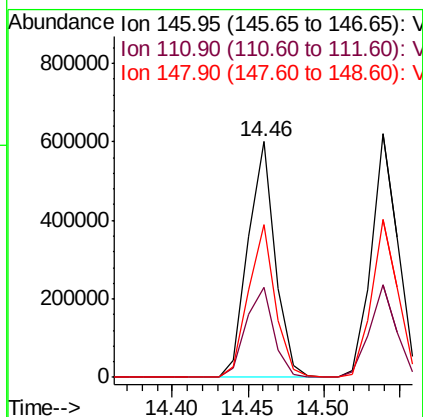
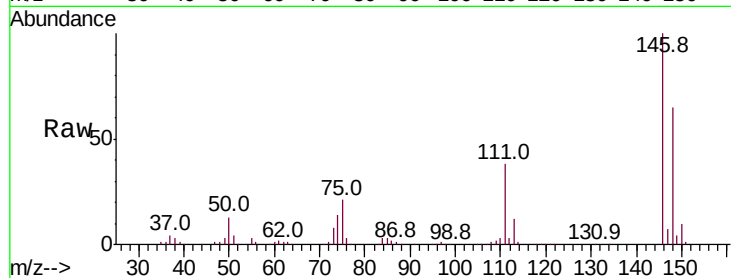




#87
 1,3-Dichlorobenzene
 Concen: 48.525 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

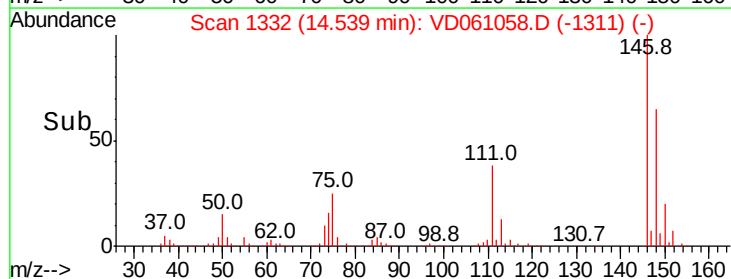
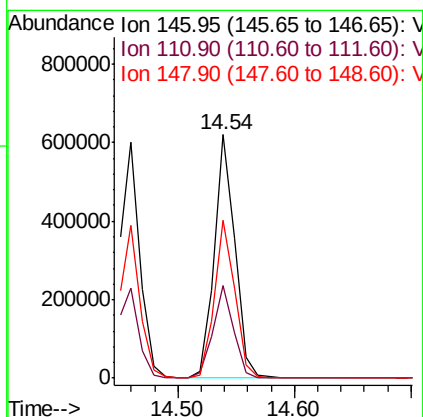
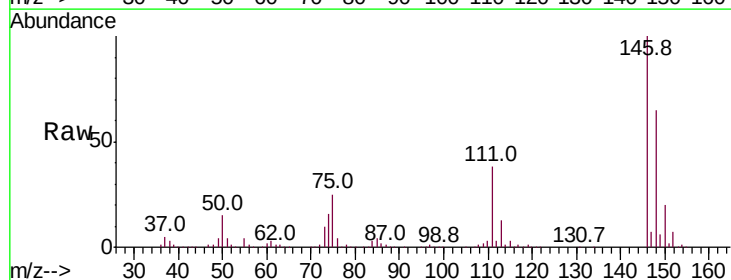
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

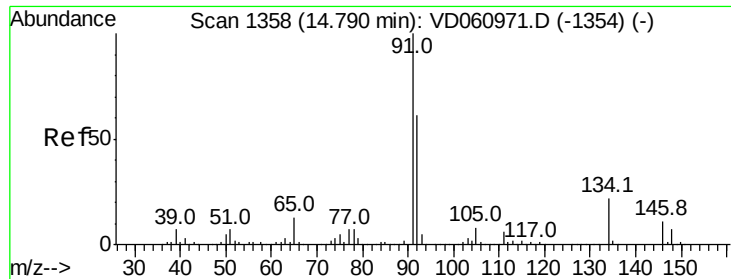
Tot Ion:146 Resp: 750111
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.4 55.4
 148 64.5 32.5 97.4



#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





#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

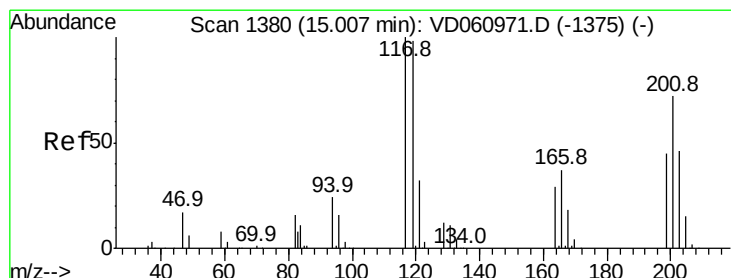
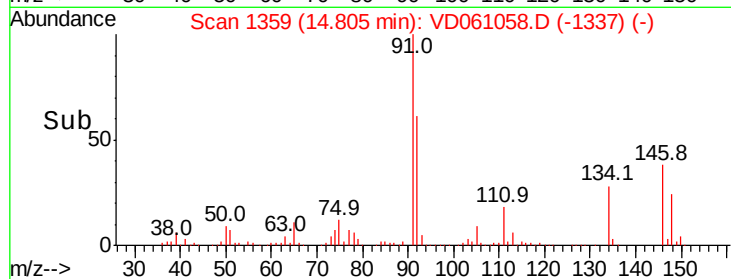
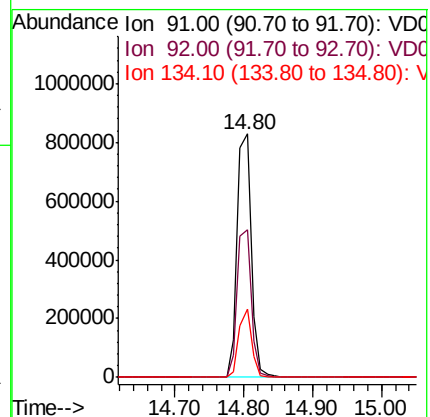
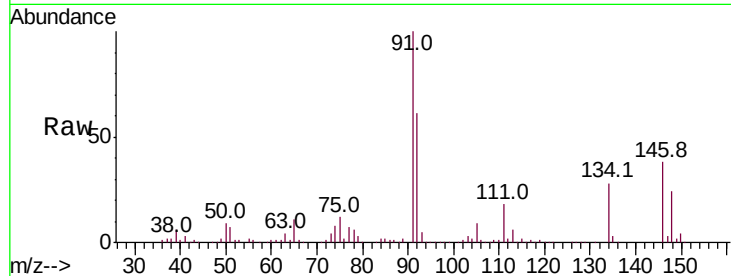
Tot Ion: 91 Resp: 1178594

Ion	Ratio	Lower	Upper
91	100		
92	60.6	30.6	91.8
134	28.1	11.0	33.0

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

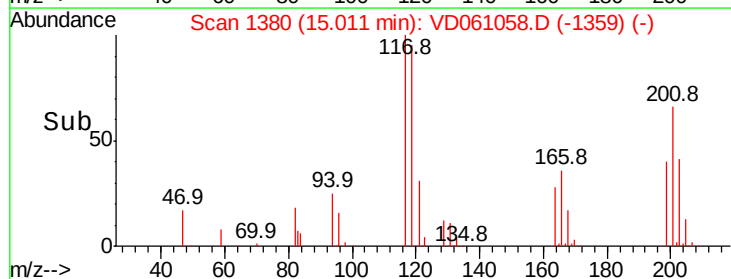
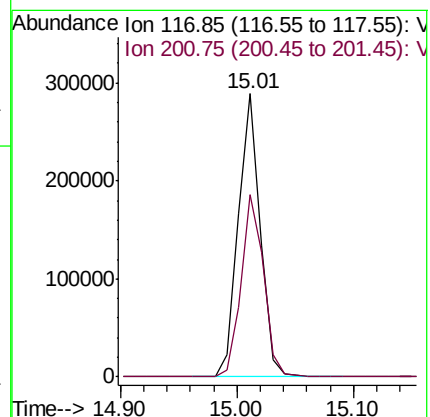
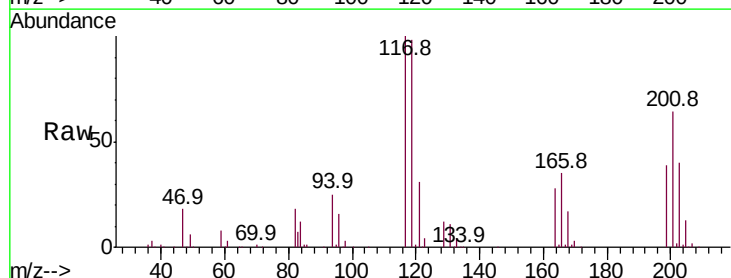
Acq: 14 Mar 2019 11:49

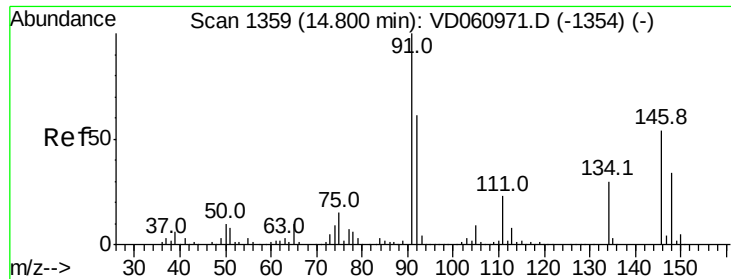
Tgt Ion: 117 Resp: 376891

Ion	Ratio	Lower	Upper
117	100		
201	64.2	36.2	108.6

117 100

201 64.2 36.2 108.6

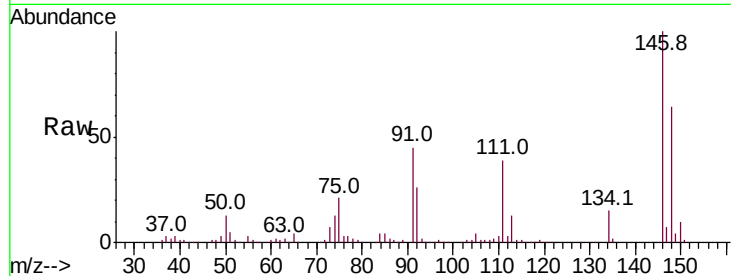




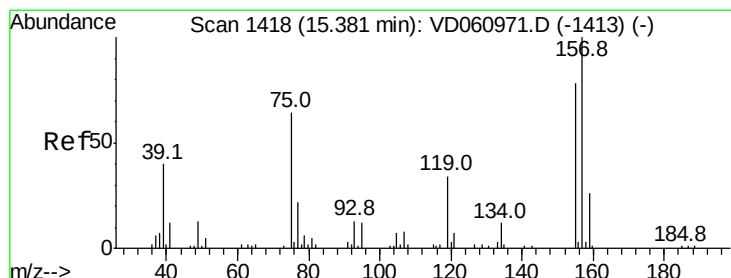
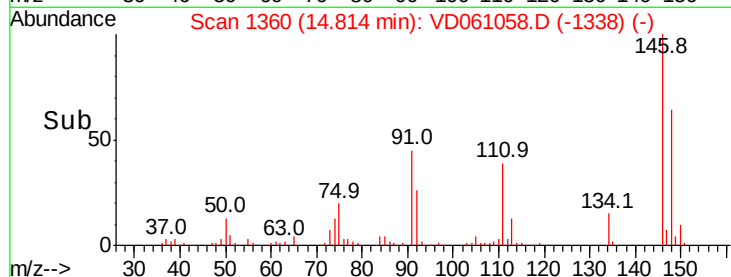
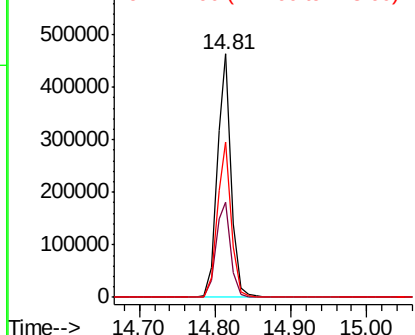
#91
 1,2-Dichlorobenzene
 Concen: 46.234 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

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

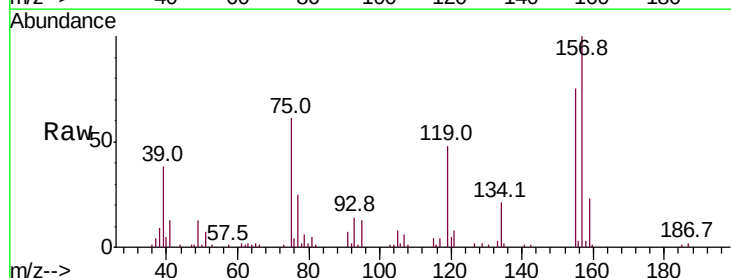


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

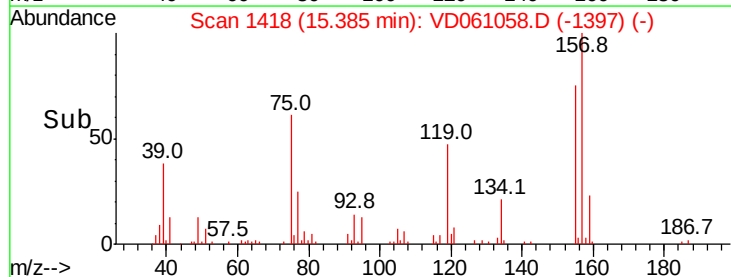
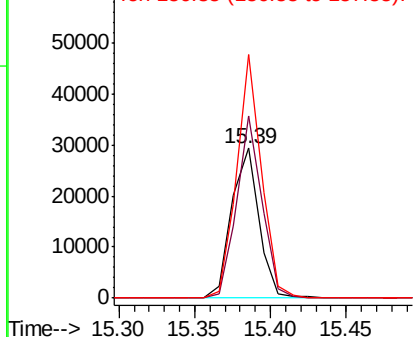


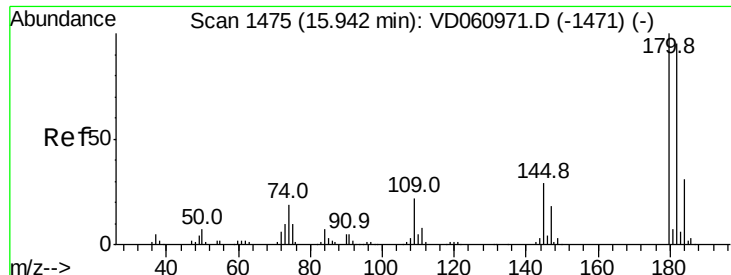
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.025 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

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

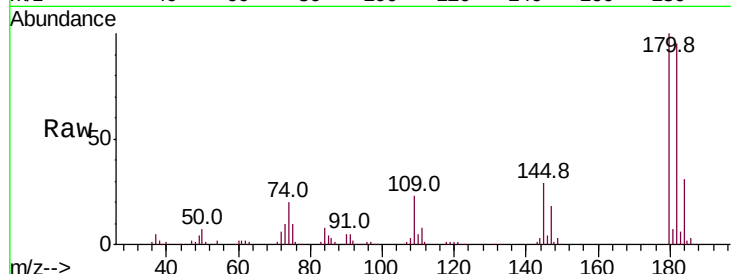




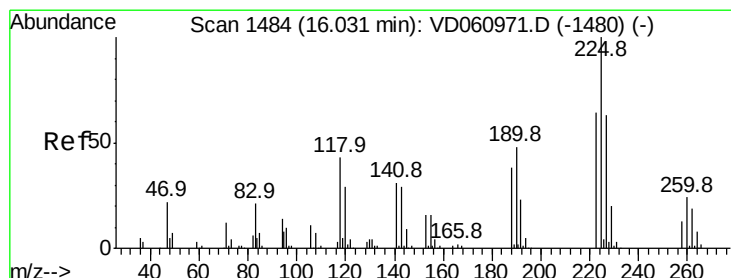
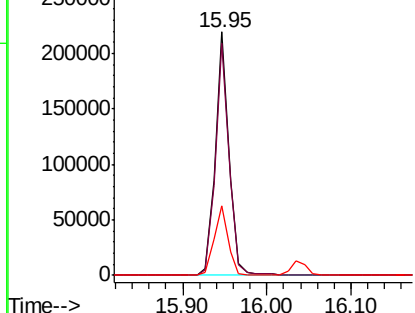
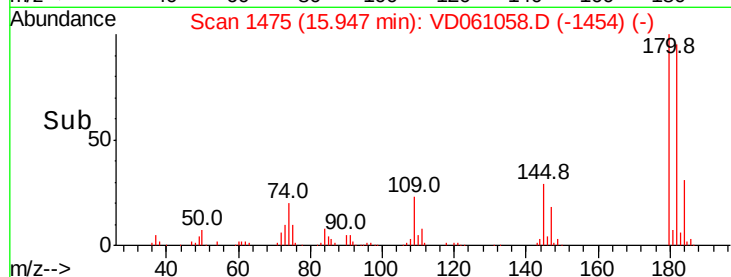
#93
 1,2,4-Trichlorobenzene
 Concen: 41.226 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

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

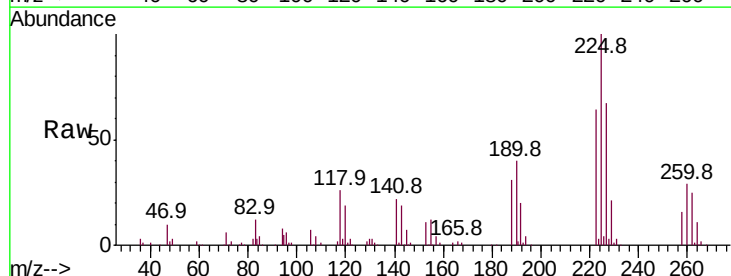


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

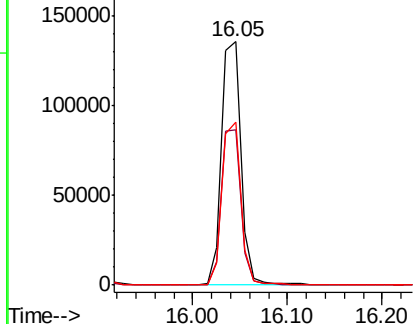
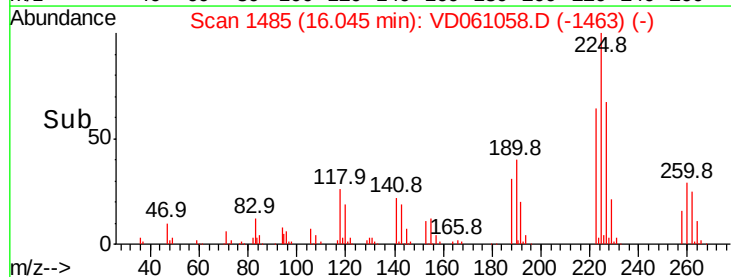


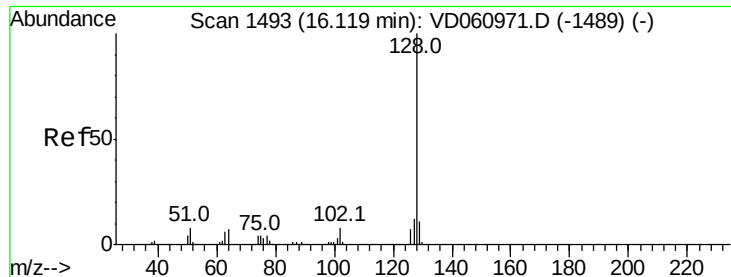
#94
 Hexachlorobutadiene
 Concen: 42.738 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061058.D
 Acq: 14 Mar 2019 11:49

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

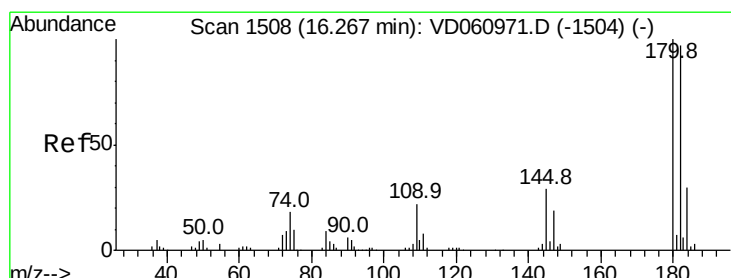
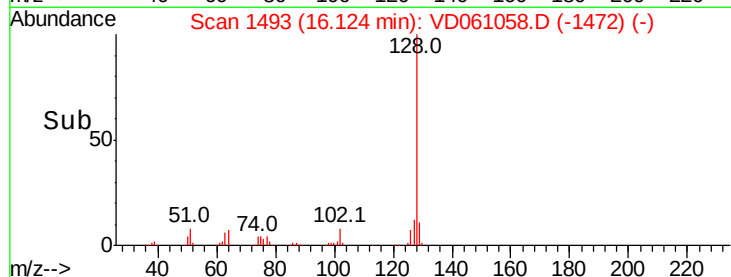
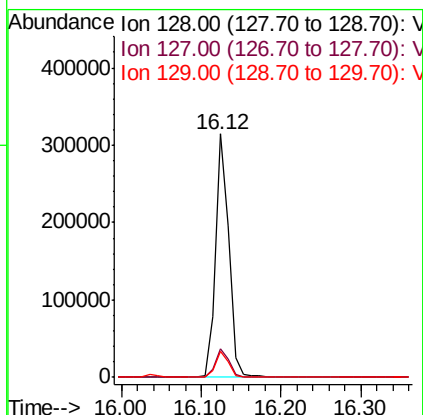
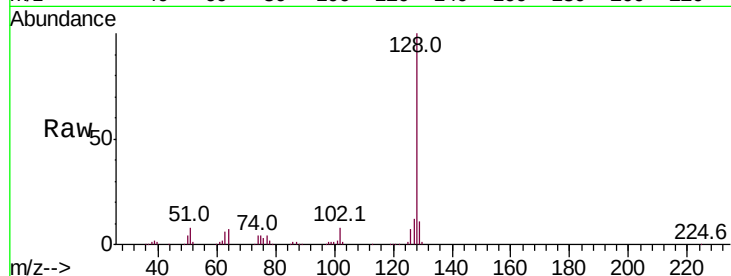




#95
Naphthalene
Concen: 41.196 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061058.D
Acq: 14 Mar 2019 11:49

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



#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

