

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061983.D
 Acq On : 23 Apr 2019 23:34
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 24 03:51:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	528374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	896261	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	752619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	319005	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	246670	59.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.30%	
35) Dibromofluoromethane	6.93	113	361366	58.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.60%	
50) Toluene-d8	10.42	98	767197	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	13.56	95	323499	54.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	237428	50.324	ug/l	99
3) Chloromethane	1.75	50	189322	47.213	ug/l	97
4) Vinyl Chloride	1.85	62	176493	48.561	ug/l	100
5) Bromomethane	2.15	94	54932	59.946	ug/l	100
6) Chloroethane	2.26	64	74417	56.643	ug/l	96
7) Trichlorofluoromethane	2.54	101	294442	53.581	ug/l	99
8) Diethyl Ether	2.87	74	91443	62.087	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.16	101	284209	56.143	ug/l	99
10) Methyl Iodide	3.32	142	470513	59.813	ug/l	98
11) Tert butyl alcohol	4.06	59	92638	396.483	ug/l	100
12) 1,1-Dichloroethene	3.13	96	243365	56.507	ug/l	96
13) Acrolein	3.04	56	67775	279.569	ug/l	92
14) Allyl chloride	3.63	41	361708	61.505	ug/l	98
15) Acrylonitrile	4.19	53	265994	367.646	ug/l	97
16) Acetone	3.22	43	278534	282.089	ug/l	98
17) Carbon Disulfide	3.39	76	762939	61.303	ug/l	99
18) Methyl Acetate	3.64	43	134964	76.515	ug/l	97
19) Methyl tert-butyl Ether	4.25	73	545771	63.868	ug/l	97
20) Methylene Chloride	3.82	84	291377	61.339	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	272286	55.111	ug/l	96
22) Diisopropyl ether	5.12	45	833674	60.717	ug/l #	84
23) Vinyl Acetate	5.07	43	2370896	331.578	ug/l	99
24) 1,1-Dichloroethane	4.99	63	500619	60.324	ug/l	99
25) 2-Butanone	6.07	43	399718	333.892	ug/l	98
26) 2,2-Dichloropropane	6.03	77	384463	53.104	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	334324	59.482	ug/l	96
28) Bromochloromethane	6.45	49	196227	61.797	ug/l	97
29) Tetrahydrofuran	6.47	42	205708	348.737	ug/l	99
30) Chloroform	6.67	83	572249	60.710	ug/l	99
31) Cyclohexane	6.97	56	342863	55.662	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	463941	56.569	ug/l	98
36) 1,1-Dichloropropene	7.16	75	350815	50.240	ug/l	98
37) Ethyl Acetate	6.18	43	193889	65.159	ug/l	96
38) Carbon Tetrachloride	7.13	117	492109	55.616	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	348225	50.545	ug/l	98
40) Benzene	7.47	78	905071	52.355	ug/l	98
41) Methacrylonitrile	6.46	41	232498	66.965	ug/l #	93
42) 1,2-Dichloroethane	7.59	62	326995	55.710	ug/l	97
43) Isopropyl Acetate	9.24	43	272959	62.781	ug/l	99
44) Trichloroethene	8.55	130	342466	51.099	ug/l	99
45) 1,2-Dichloropropane	8.95	63	244003	55.638	ug/l	100
46) Dibromomethane	9.07	93	193892	61.442	ug/l	97
47) Bromodichloromethane	9.38	83	421987	56.594	ug/l	99
48) Methyl methacrylate	9.12	41	157152	63.351	ug/l	98
49) 1,4-Dioxane	9.09	88	36704	1372.388	ug/l	98
51) 4-Methyl-2-Pentanone	10.31	43	849361	319.436	ug/l	100
52) Toluene	10.51	92	589885	53.516	ug/l	96
53) t-1,3-Dichloropropene	10.93	75	388991	62.152	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	451122	59.263	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	233908	63.210	ug/l	98
56) Ethyl methacrylate	11.05	69	251604	61.390	ug/l	95
57) 1,3-Dichloropropane	11.42	76	343778	60.150	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	567966	298.069	ug/l	97
59) 2-Hexanone	11.54	43	630401	316.056	ug/l	98
60) Dibromochloromethane	11.69	129	382254	62.430	ug/l	99
61) 1,2-Dibromoethane	11.81	107	271277	61.798	ug/l	93
64) Tetrachloroethene	11.26	164	287484	53.547	ug/l	96
65) Chlorobenzene	12.40	112	712553	50.103	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	318121	52.734	ug/l	98
67) Ethyl Benzene	12.53	91	1162424	50.077	ug/l	100
68) m/p-Xylenes	12.68	106	881008	105.011	ug/l	99
69) o-Xylene	13.05	106	411039	53.547	ug/l	98
70) Styrene	13.08	104	712765	53.775	ug/l	99
71) Bromoform	13.24	173	205446	59.736	ug/l #	98
73) Isopropylbenzene	13.41	105	1124859	52.860	ug/l	98
74) N-amyl acetate	13.27	43	348754	63.637	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	263084	63.089	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	262563	64.816	ug/l	99
77) Bromobenzene	13.67	156	358017	58.648	ug/l	87
78) n-propylbenzene	13.78	91	1424362	58.470	ug/l	98
79) 2-Chlorotoluene	13.85	91	800802	54.272	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	937358	55.243	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	79324	64.618	ug/l	93
82) 4-Chlorotoluene	13.95	91	884659	54.441	ug/l	89
83) tert-Butylbenzene	14.19	119	1047285	53.280	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	918267	56.678	ug/l	100
85) sec-Butylbenzene	14.37	105	1172659	55.214	ug/l	100
86) p-Isopropyltoluene	14.50	119	1023540	53.848	ug/l	100
87) 1,3-Dichlorobenzene	14.46	146	581116	54.360	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	553293	55.344	ug/l	99
89) n-Butylbenzene	14.80	91	835337	48.950	ug/l	96
90) Hexachloroethane	15.01	117	274479	53.402	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	489951	55.562	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	37274	59.946	ug/l	97

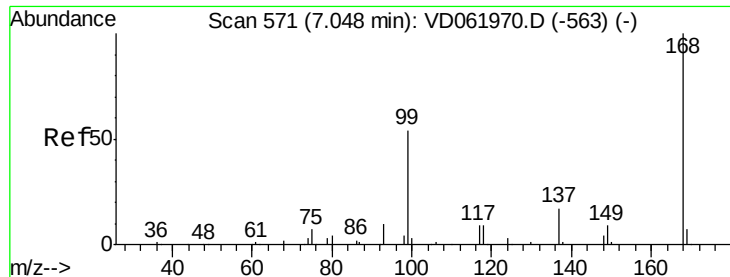
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	290339	61.023	ug/l	97
94) Hexachlorobutadiene	16.05	225	225245	63.972	ug/l	99
95) Naphthalene	16.12	128	540902	70.410	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	203462	75.368	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

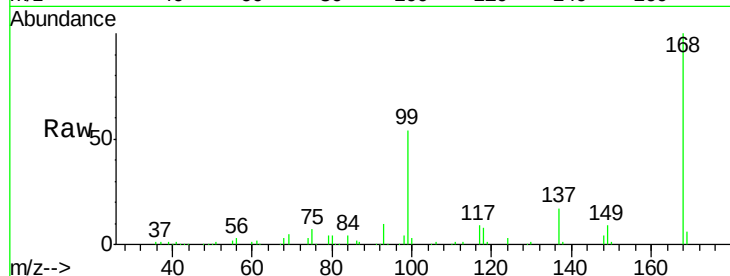
VSTDCCC050

Tot Ion:168 Resp: 528374

Ion Ratio Lower Upper

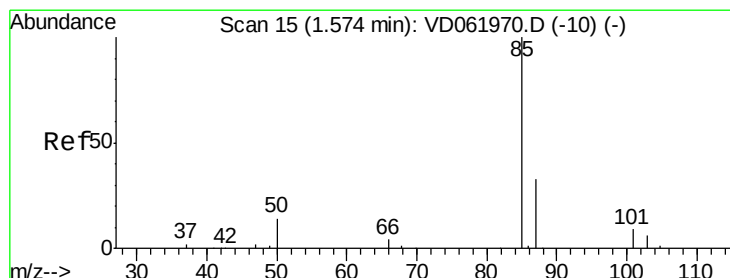
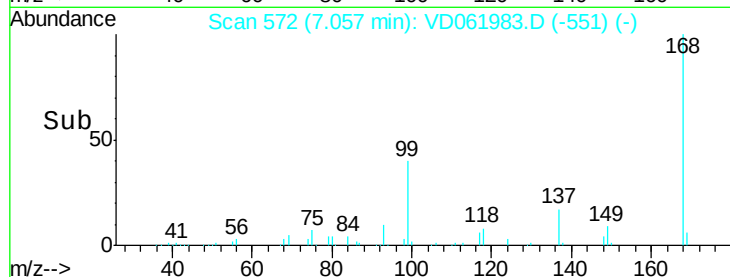
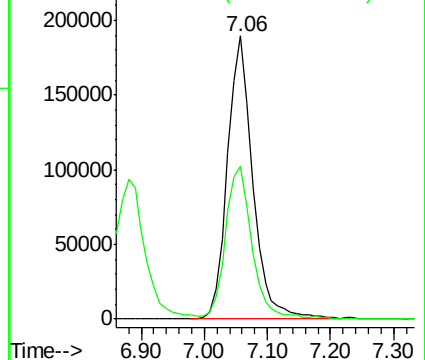
168 100

99 54.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 50.324 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD061983.D

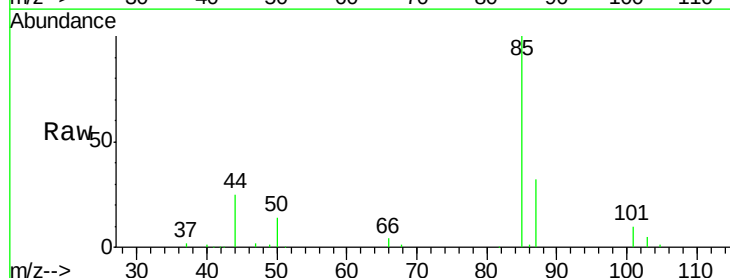
Acq: 23 Apr 2019 23:34

Tgt Ion: 85 Resp: 237428

Ion Ratio Lower Upper

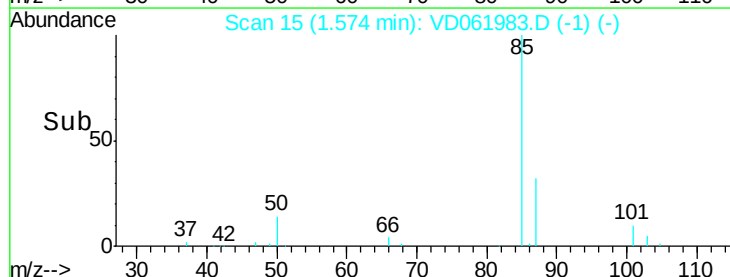
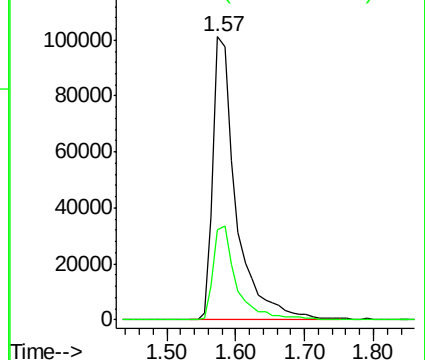
85 100

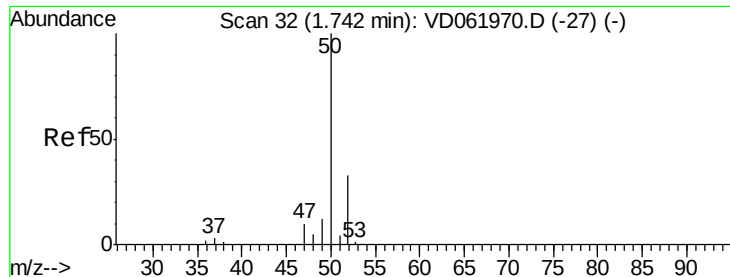
87 32.0 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.213 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

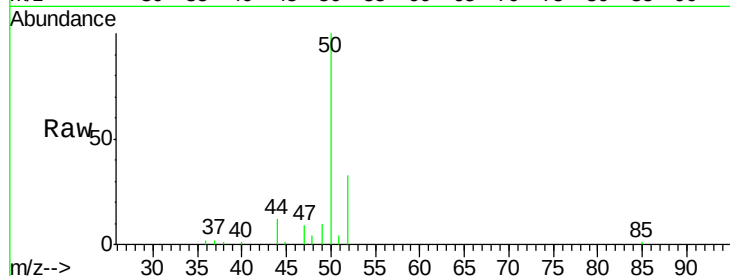
VSTDCCC050

Tot Ion: 50 Resp: 189322

Ion Ratio Lower Upper

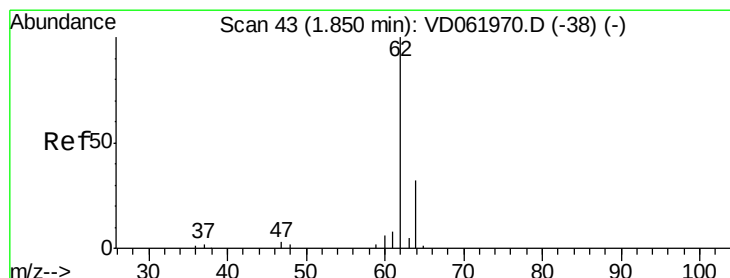
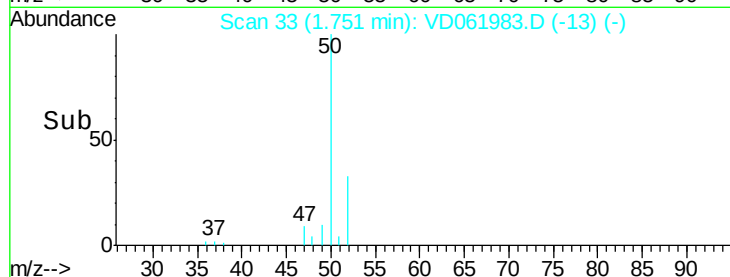
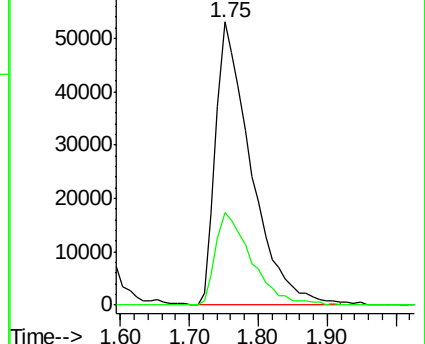
50 100

52 33.0 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.561 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD061983.D

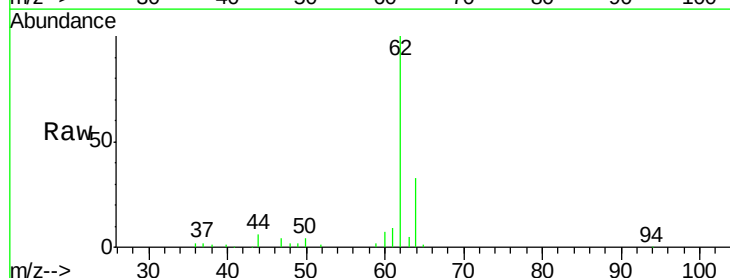
Acq: 23 Apr 2019 23:34

Tgt Ion: 62 Resp: 176493

Ion Ratio Lower Upper

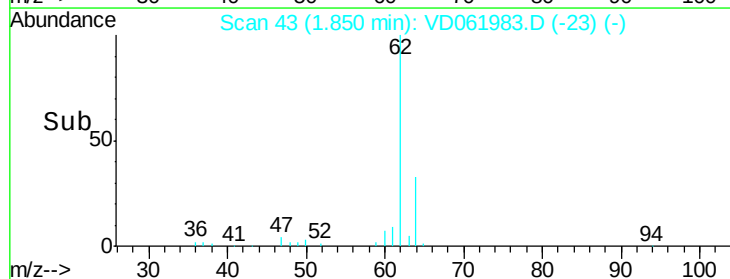
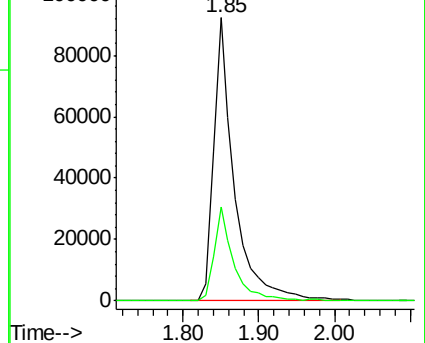
62 100

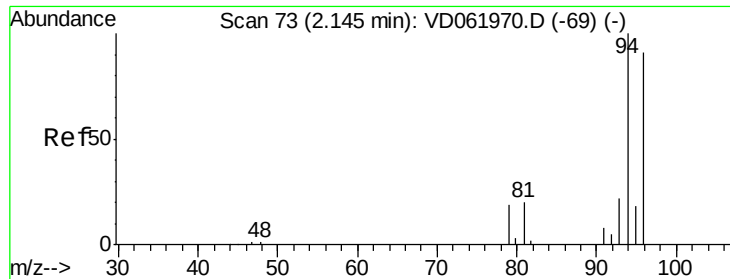
64 33.1 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 59.946 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

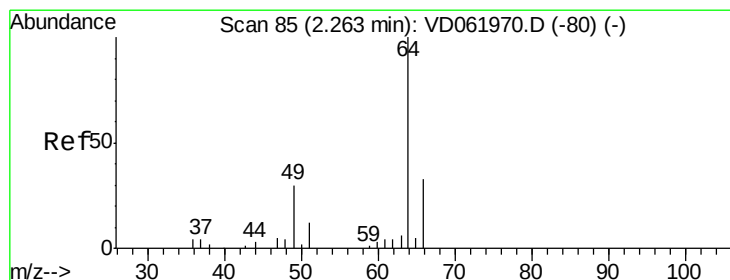
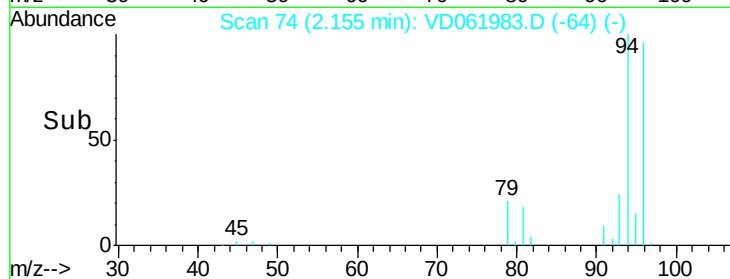
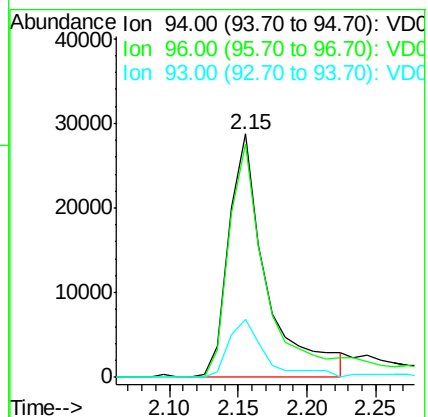
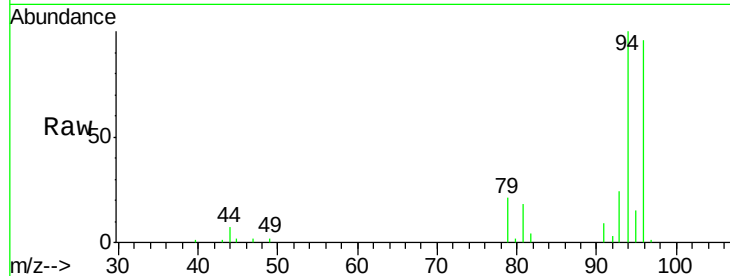
Tot Ion: 94 Resp: 54932

Ion Ratio Lower Upper

94 100

96 95.8 76.6 115.0

93 23.6 18.5 27.7



#6

Chloroethane

Concen: 56.643 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD061983.D

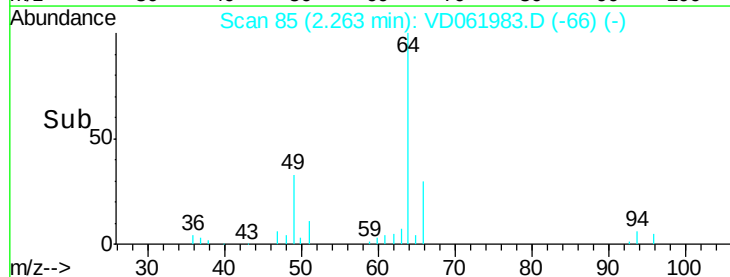
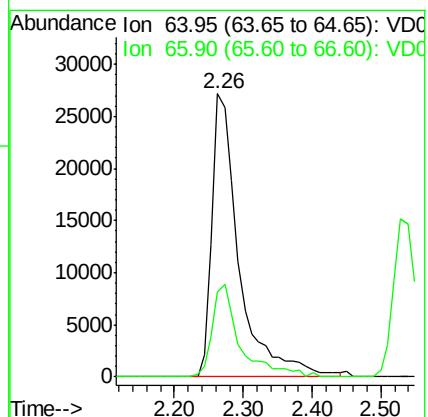
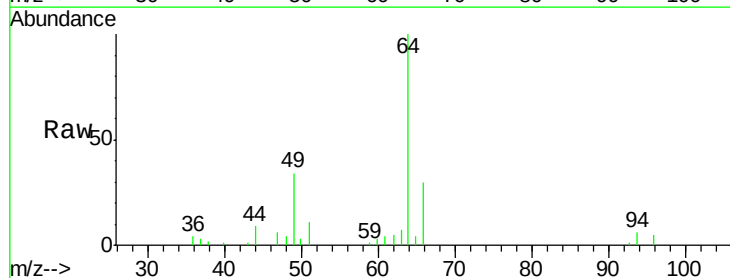
Acq: 23 Apr 2019 23:34

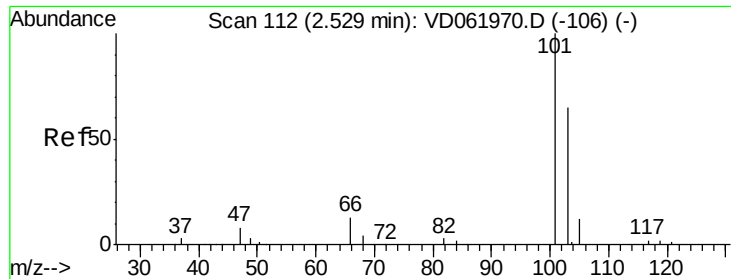
Tgt Ion: 64 Resp: 74417

Ion Ratio Lower Upper

64 100

66 29.9 25.6 38.4



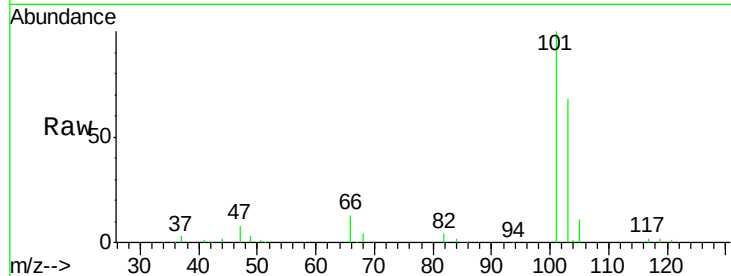


#7

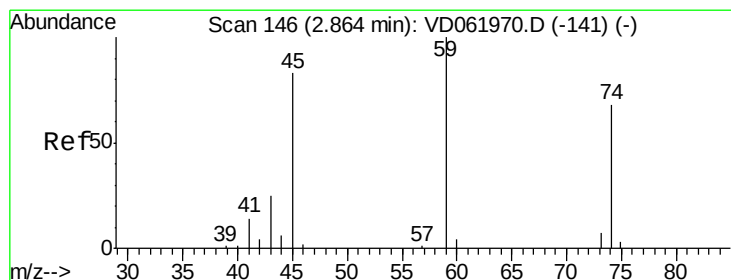
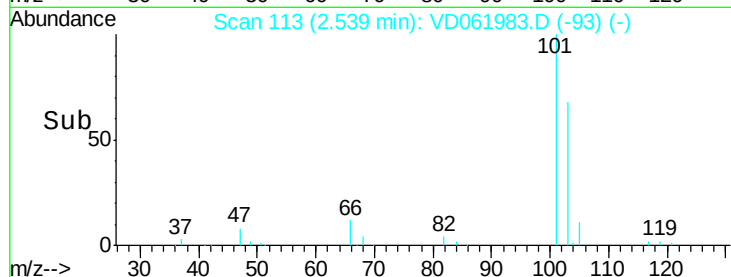
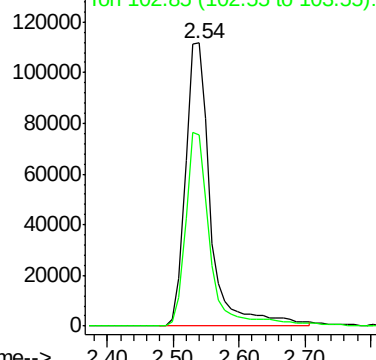
Trichlorofluoromethane
Concen: 53.581 ug/l
RT: 2.54 min Scan# 113
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 294442
Ion Ratio Lower Upper
101 100
103 67.7 53.6 80.4



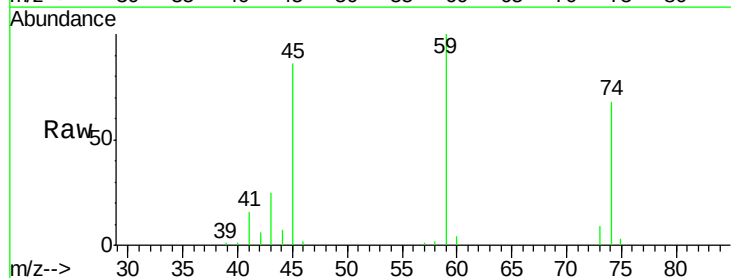
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



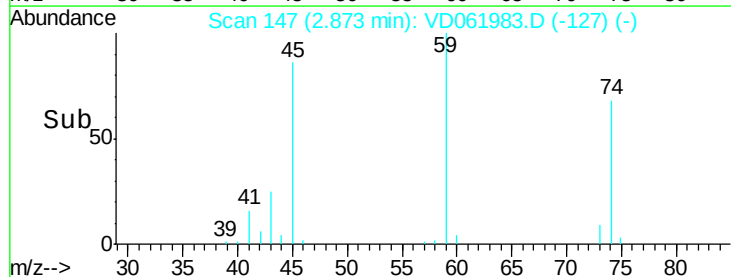
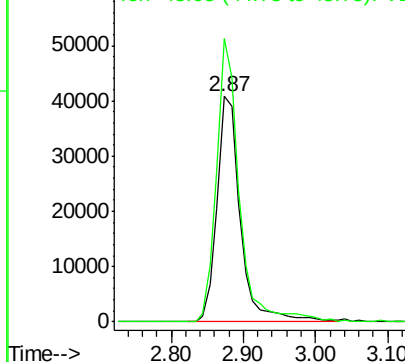
#8

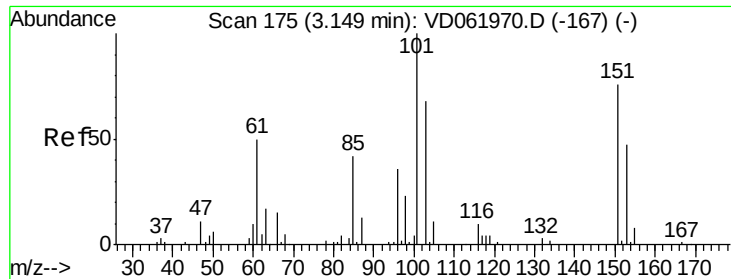
Diethyl Ether
Concen: 62.087 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion: 74 Resp: 91443
Ion Ratio Lower Upper
74 100
45 125.6 56.9 170.7



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: 56.143 ug/l

RT: 3.16 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

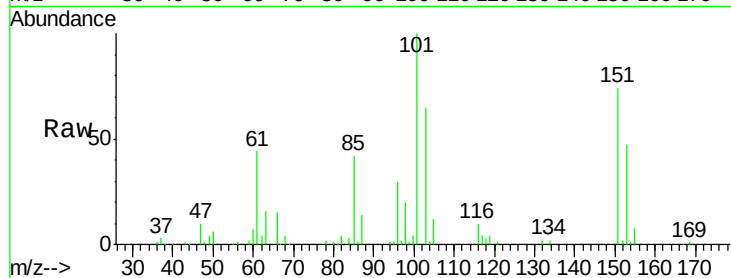
Tot Ion:101 Resp: 284209

Ion Ratio Lower Upper

101 100

85 42.3 32.4 48.6

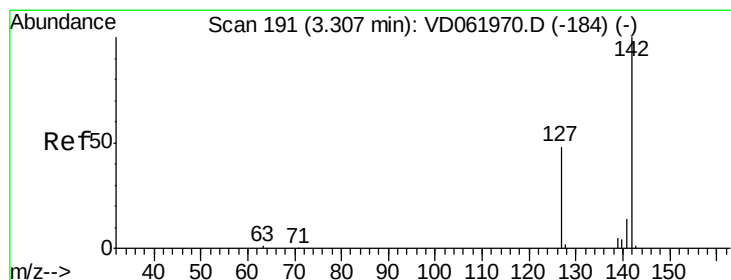
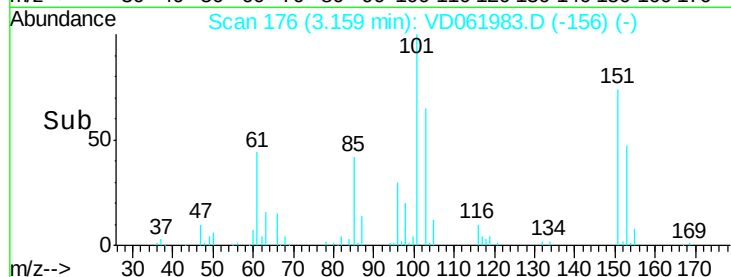
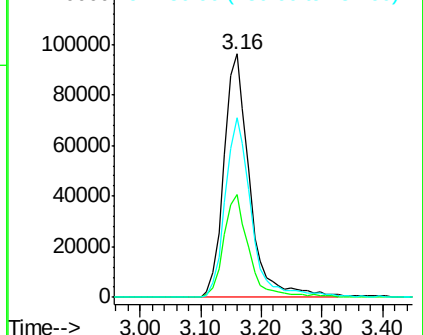
151 73.7 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 59.813 ug/l

RT: 3.32 min Scan# 192

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

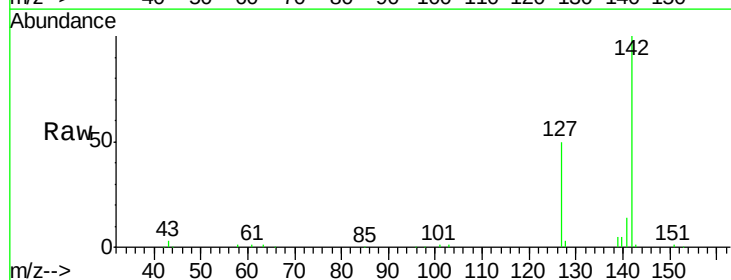
Tgt Ion:142 Resp: 470513

Ion Ratio Lower Upper

142 100

127 50.0 38.8 58.2

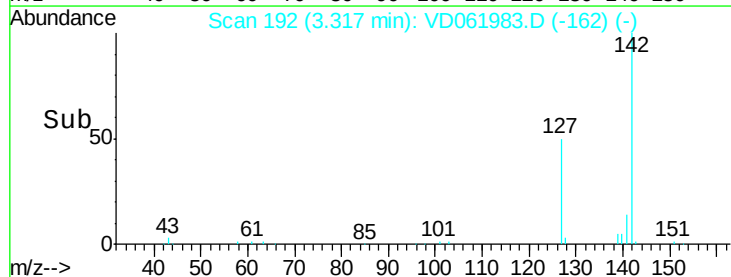
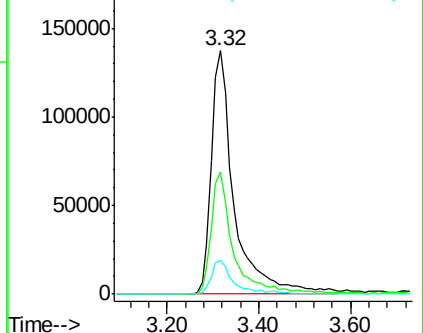
141 14.0 11.4 17.0

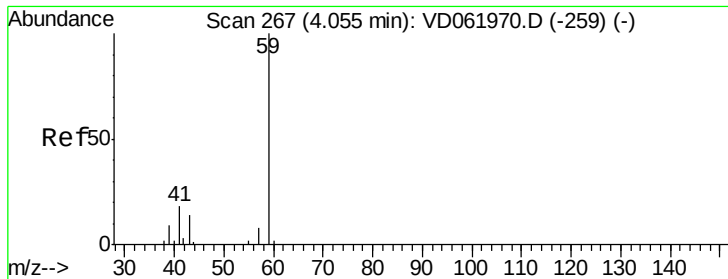


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



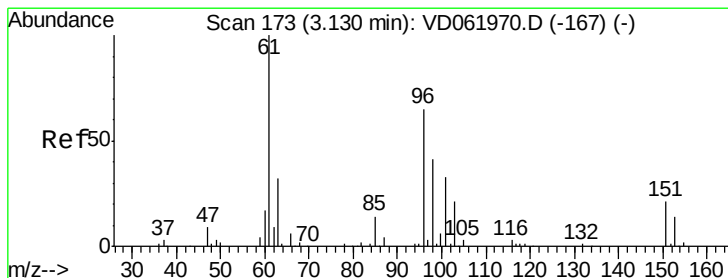
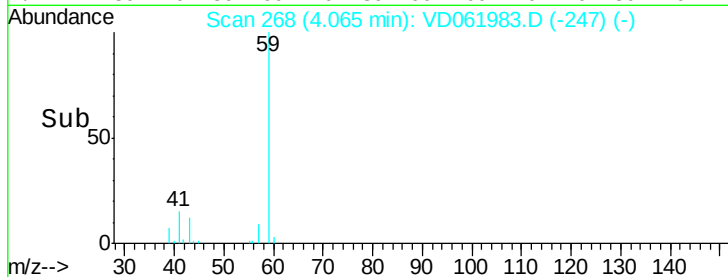
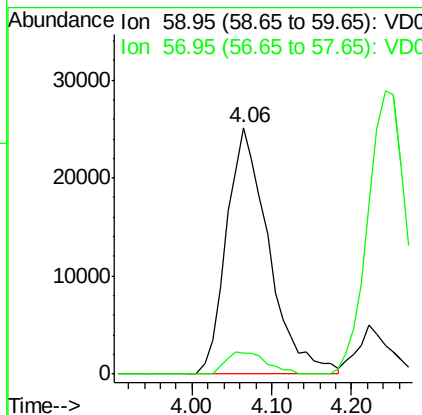
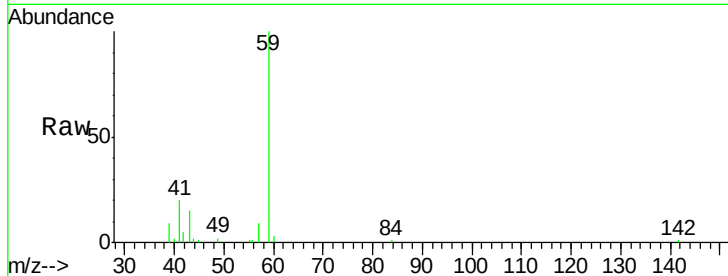


#11

Tert butyl alcohol
Concen: 396.483 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

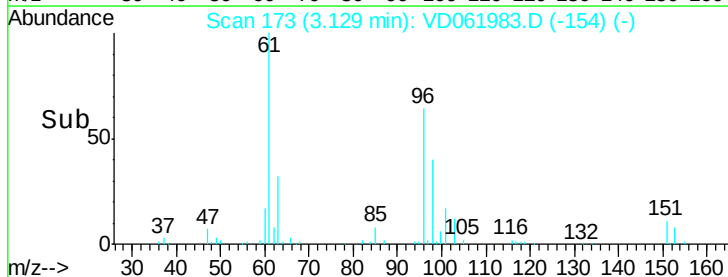
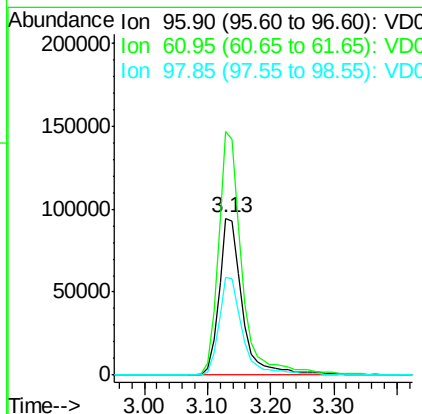
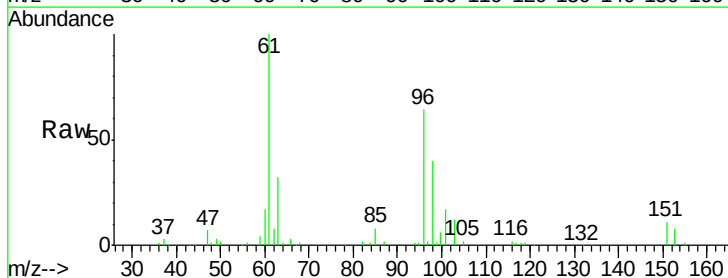
Tot Ion: 59 Resp: 92638
Ion Ratio Lower Upper
59 100
57 8.6 6.9 10.3

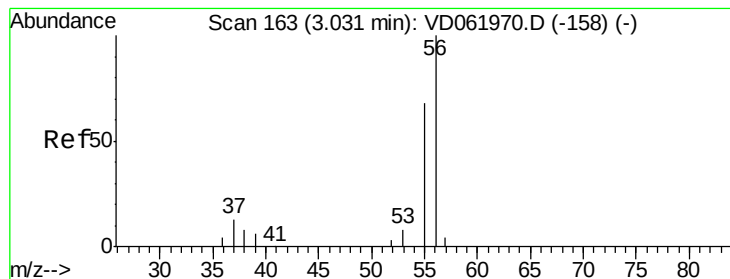


#12

1,1-Dichloroethene
Concen: 56.507 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion: 96 Resp: 243365
Ion Ratio Lower Upper
96 100
61 155.4 129.8 194.8
98 62.3 51.2 76.8





#13

Acrolein

Concen: 279.569 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

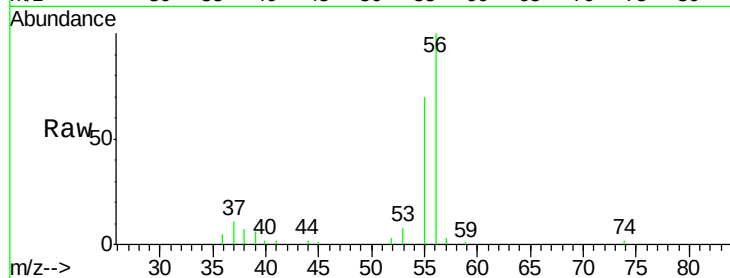
VSTDCCC050

Tot Ion: 56 Resp: 67775

Ion Ratio Lower Upper

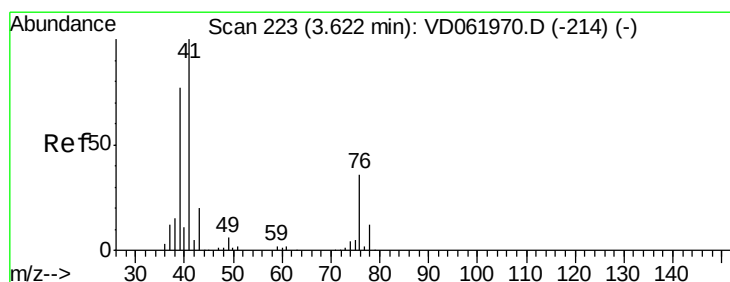
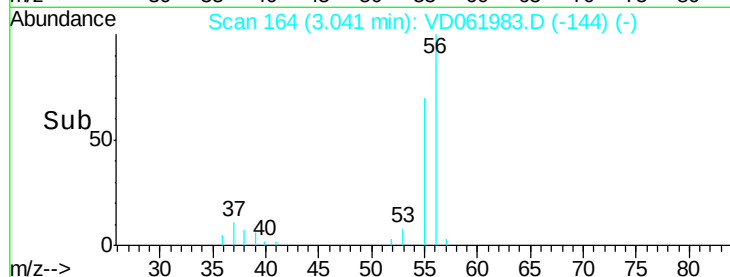
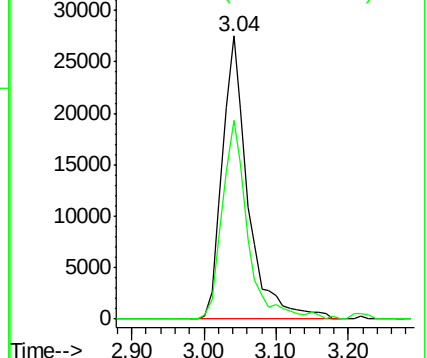
56 100

55 70.3 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 61.505 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

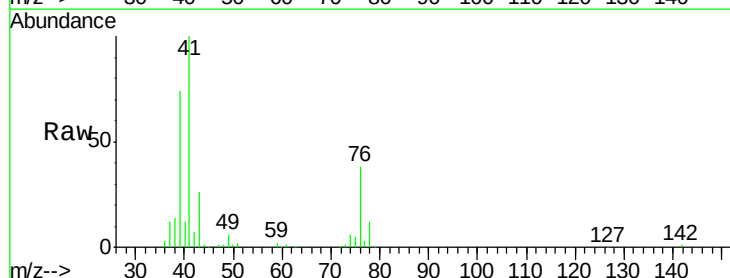
Tgt Ion: 41 Resp: 361708

Ion Ratio Lower Upper

41 100

39 74.1 60.5 90.7

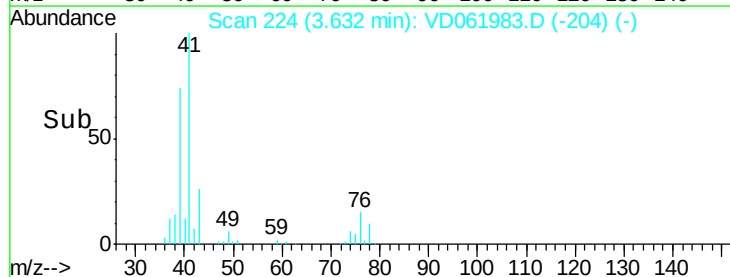
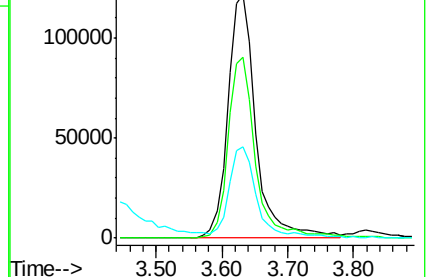
76 37.7 31.8 47.8

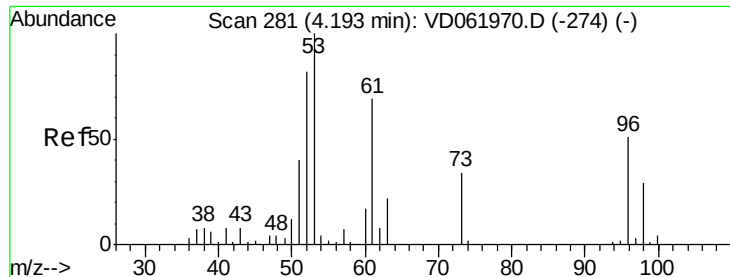


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 367.646 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

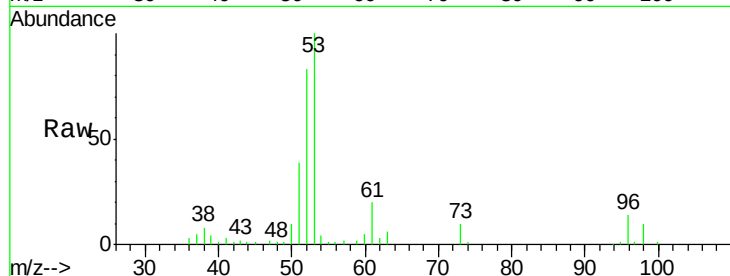
Tot Ion: 53 Resp: 265994

Ion Ratio Lower Upper

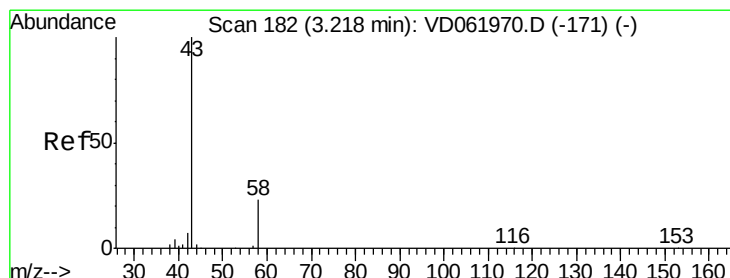
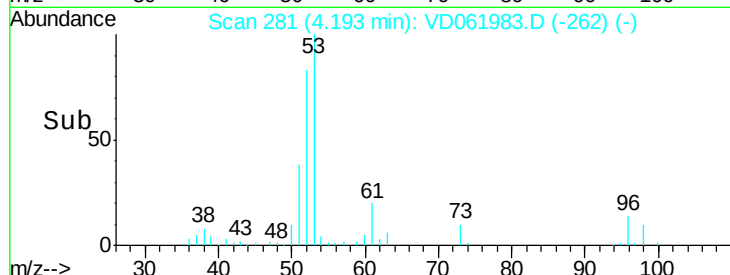
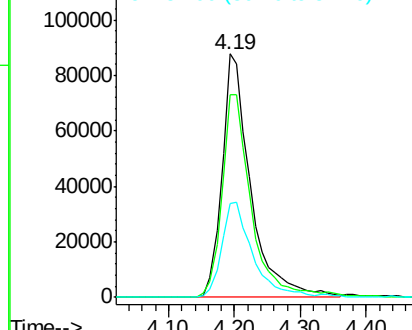
53 100

52 83.2 65.0 97.4

51 38.7 32.6 48.8



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



#16

Acetone

Concen: 282.089 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD061983.D

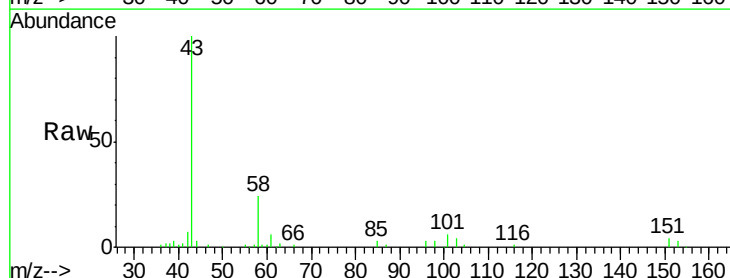
Acq: 23 Apr 2019 23:34

Tgt Ion: 43 Resp: 278534

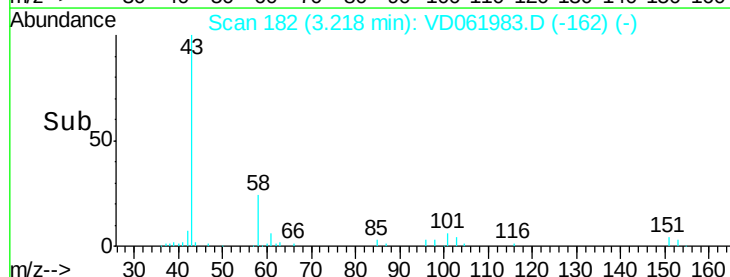
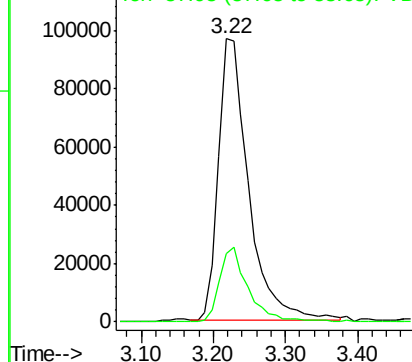
Ion Ratio Lower Upper

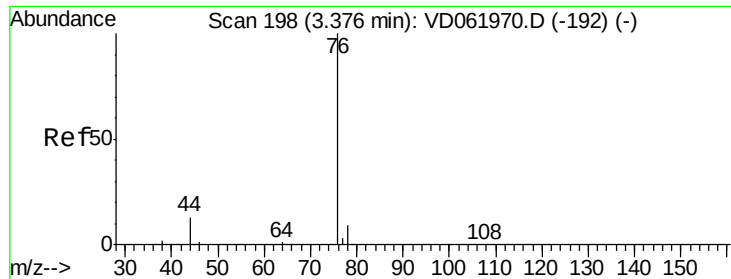
43 100

58 24.1 19.9 29.9



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





#17

Carbon Disulfide

Concen: 61.303 ug/l

RT: 3.39 min Scan# 199

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

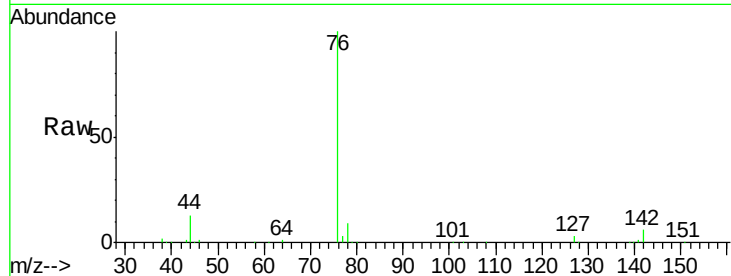
VSTDCCC050

Tot Ion: 76 Resp: 762939

Ion Ratio Lower Upper

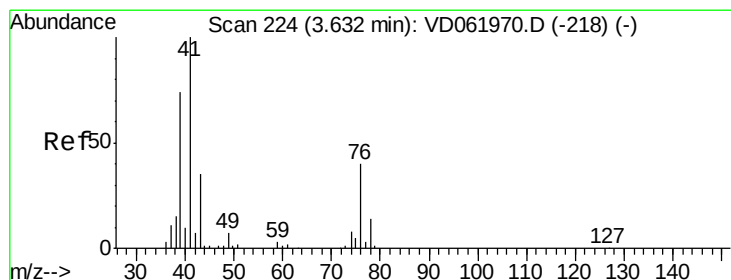
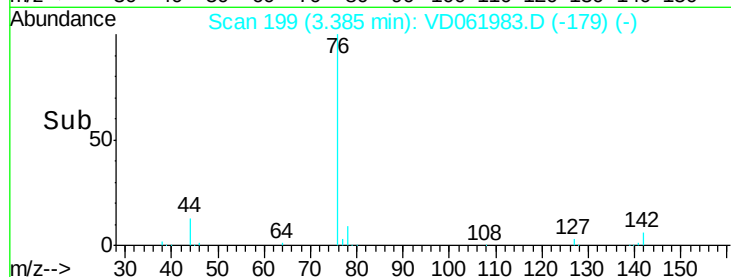
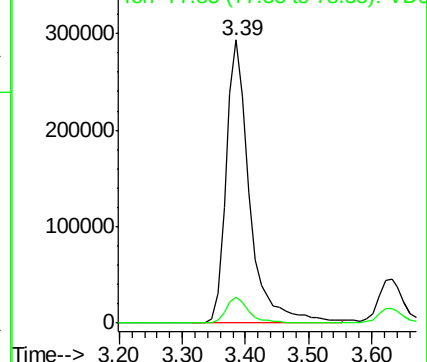
76 100

78 9.4 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 76.515 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD061983.D

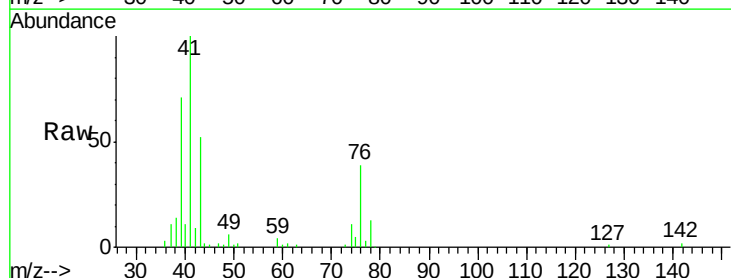
Acq: 23 Apr 2019 23:34

Tgt Ion: 43 Resp: 134964

Ion Ratio Lower Upper

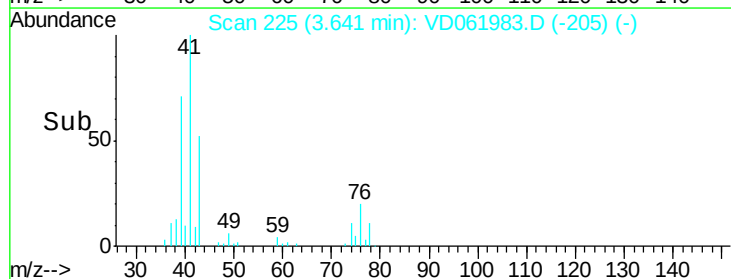
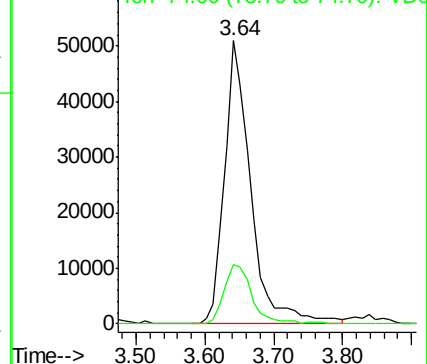
43 100

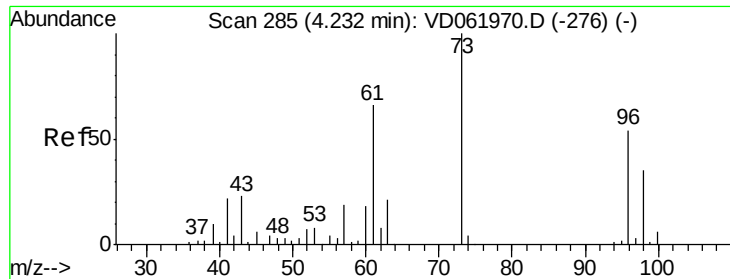
74 21.0 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

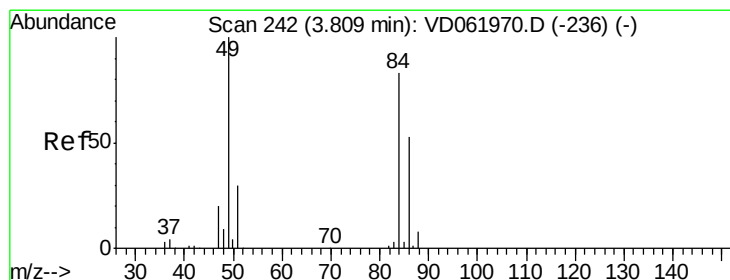
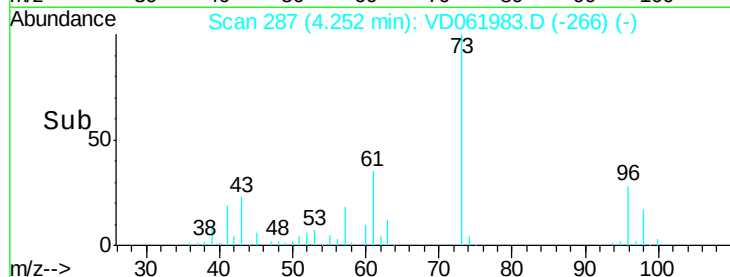
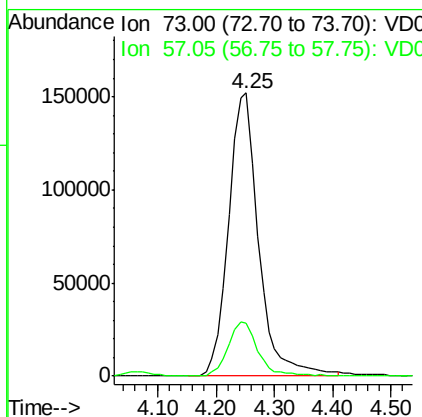
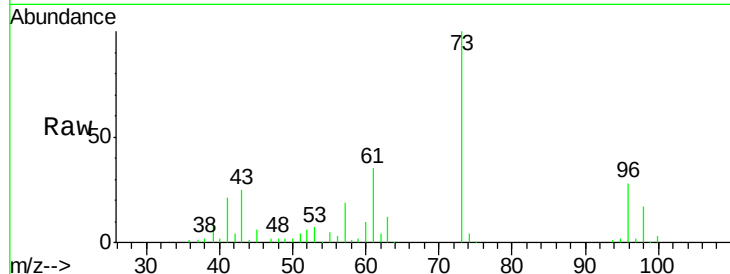




#19
Methyl tert-butyl Ether
Concen: 63.868 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

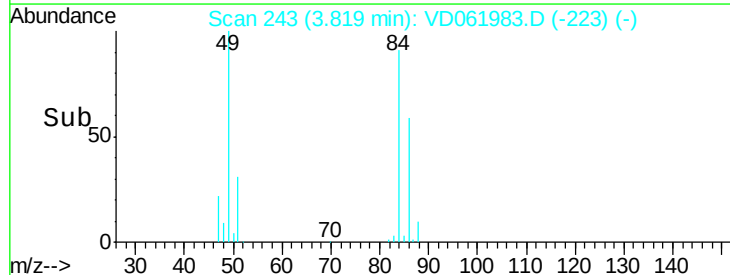
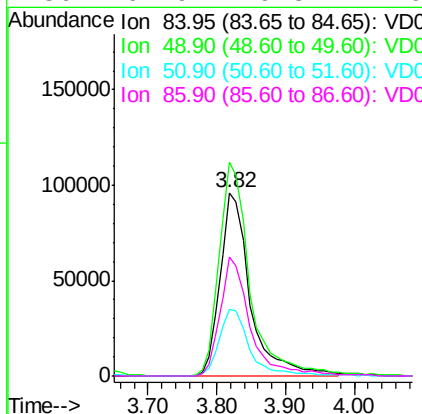
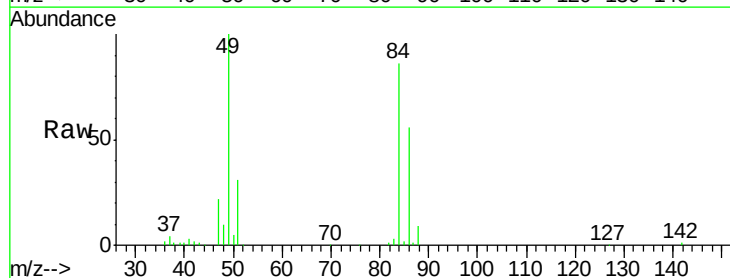
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

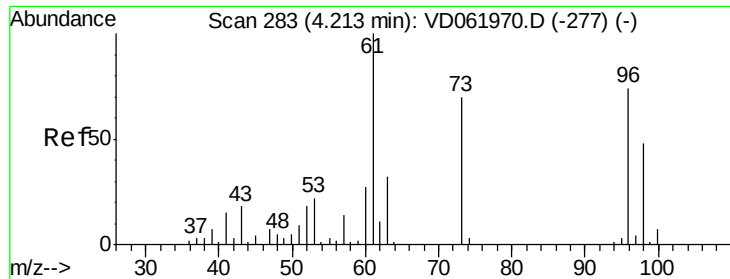
Tot Ion: 73 Resp: 545771
Ion Ratio Lower Upper
73 100
57 18.8 16.3 24.5



#20
Methylene Chloride
Concen: 61.339 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion: 84 Resp: 291377
Ion Ratio Lower Upper
84 100
49 116.3 94.0 141.0
51 35.9 29.0 43.4
86 64.9 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 55.111 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

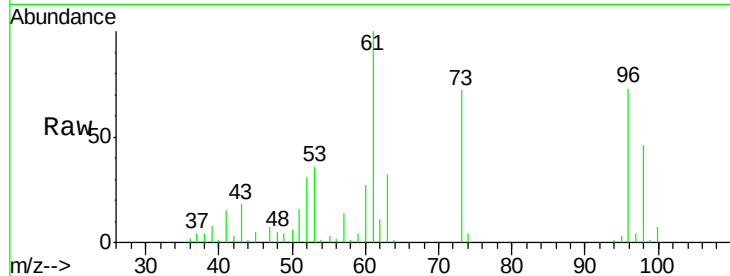
Tot Ion: 96 Resp: 272286

Ion Ratio Lower Upper

96 100

61 136.9 104.4 156.6

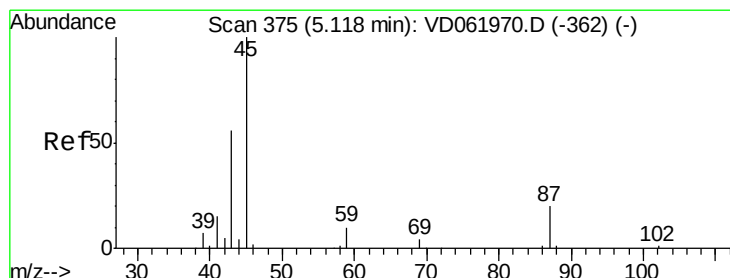
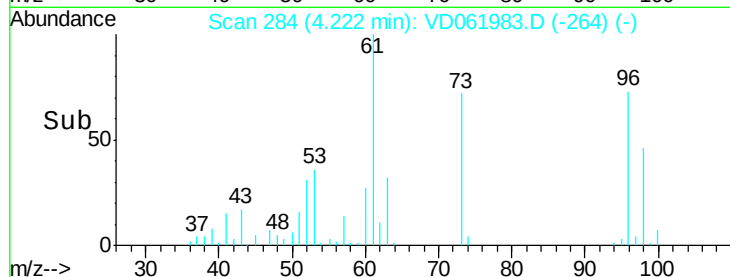
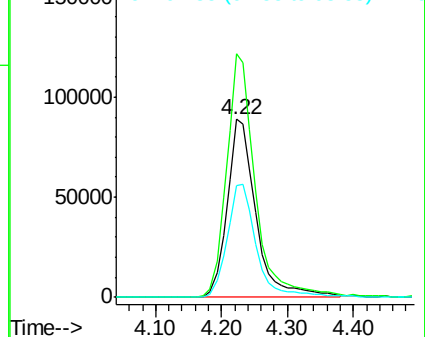
98 63.1 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 60.717 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Tgt Ion: 45 Resp: 833674

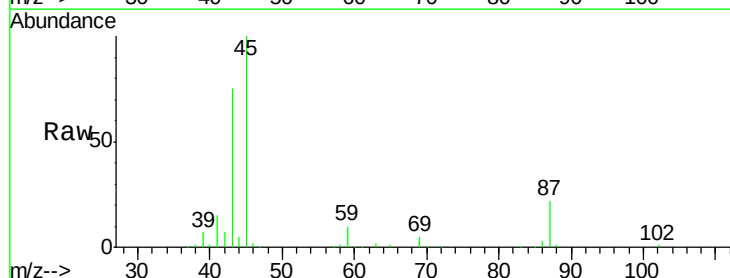
Ion Ratio Lower Upper

45 100

43 74.8 46.2 69.2#

87 22.1 15.9 23.9

59 9.9 7.9 11.9

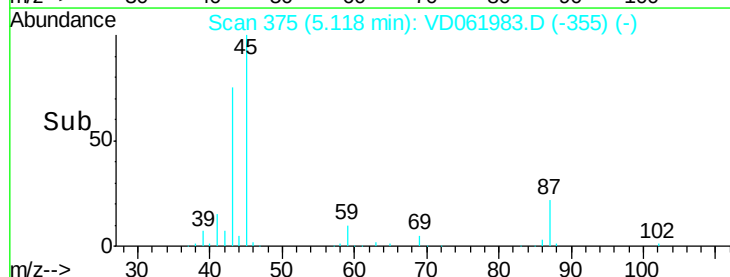
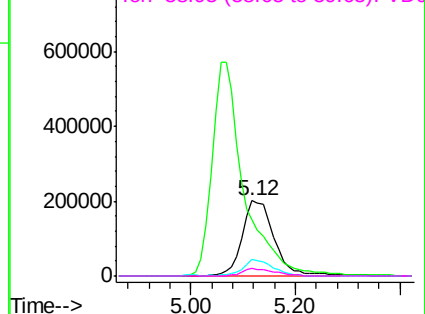


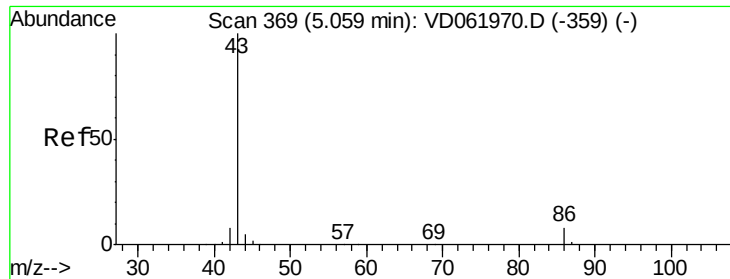
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 331.578 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

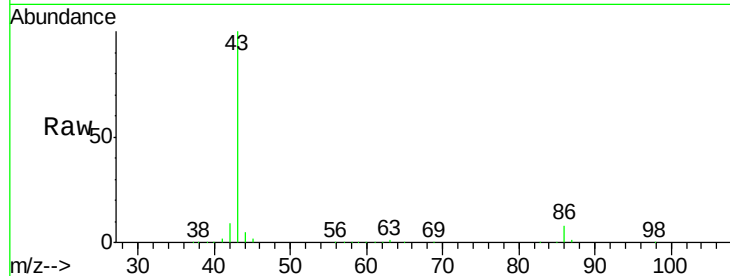
VSTDCCC050

Tot Ion: 43 Resp: 2370896

Ion Ratio Lower Upper

43 100

86 7.7 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.07

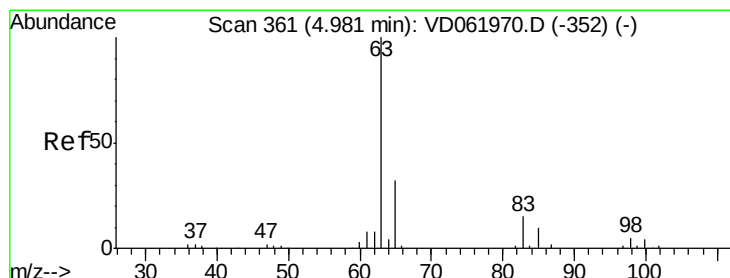
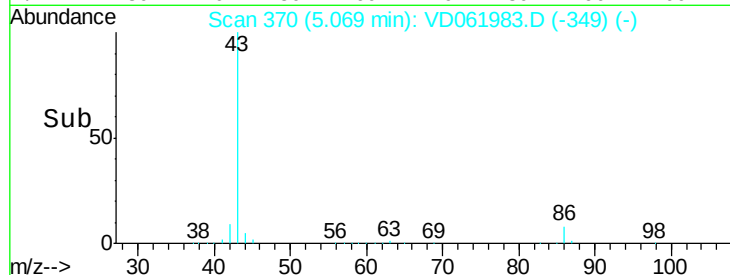
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 60.324 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

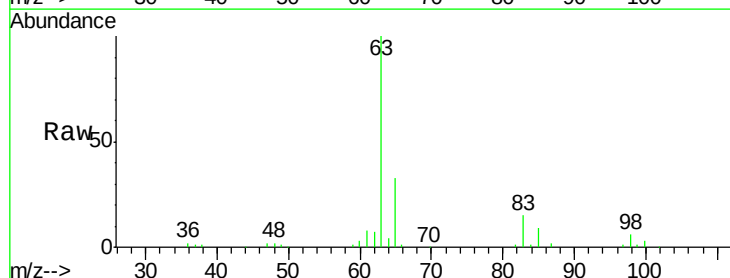
Tgt Ion: 63 Resp: 500619

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.5 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.99

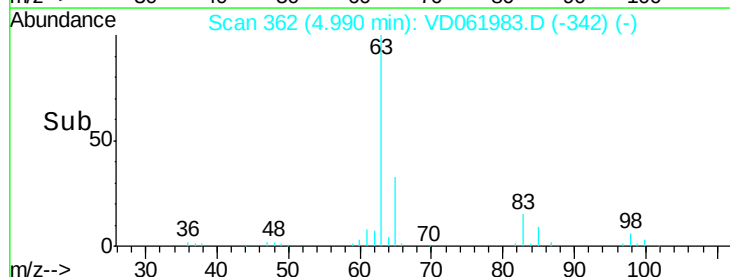
150000

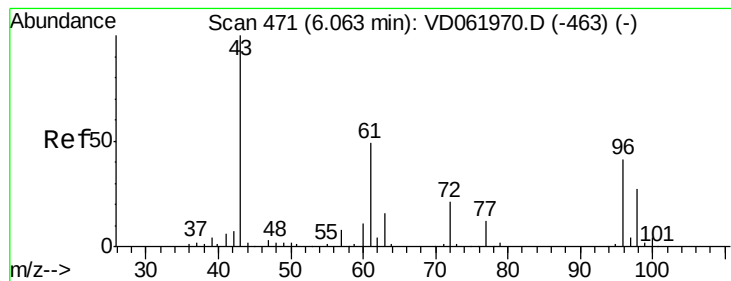
100000

50000

0

Time-->





#25

2-Butanone

Concen: 333.892 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

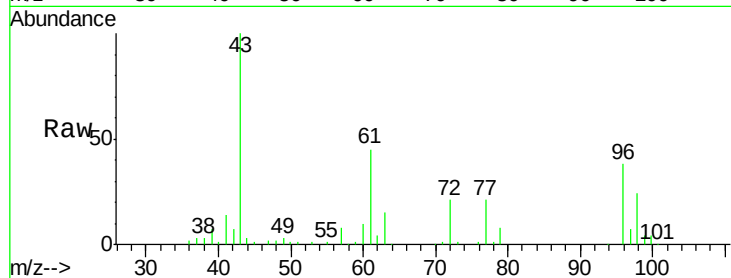
VSTDCCC050

Tot Ion: 43 Resp: 399718

Ion Ratio Lower Upper

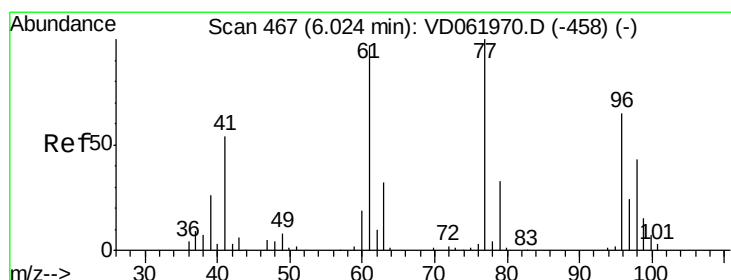
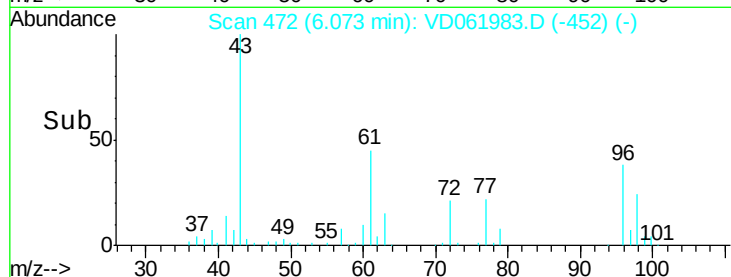
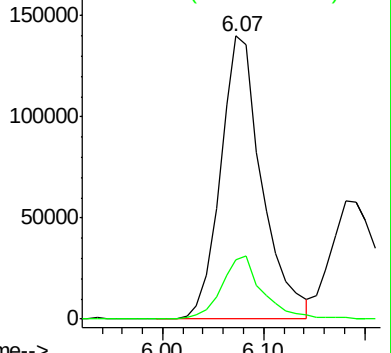
43 100

72 21.2 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 53.104 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD061983.D

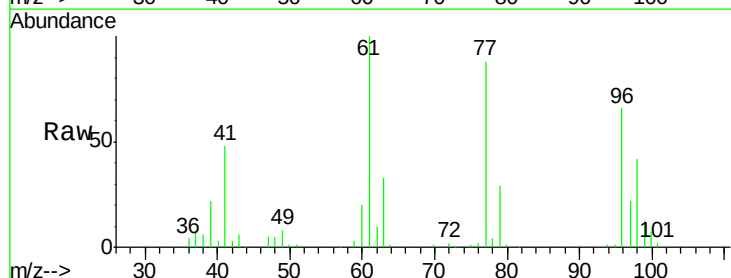
Acq: 23 Apr 2019 23:34

Tgt Ion: 77 Resp: 384463

Ion Ratio Lower Upper

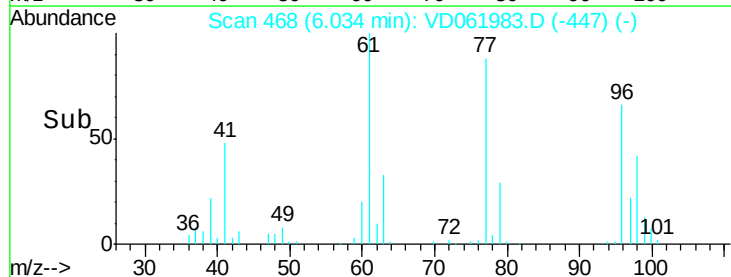
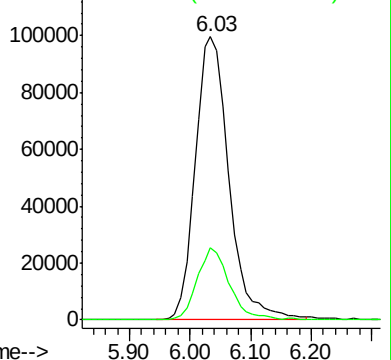
77 100

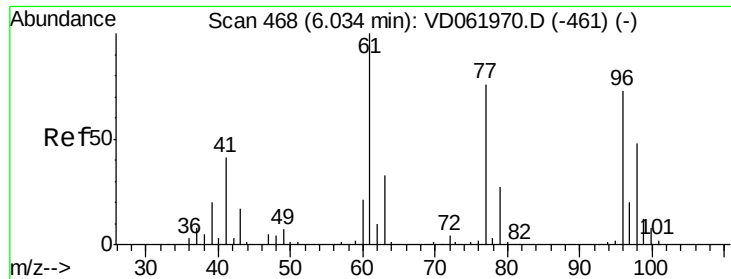
97 25.5 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



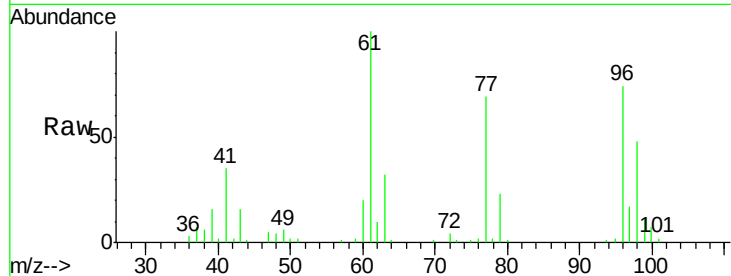


#27

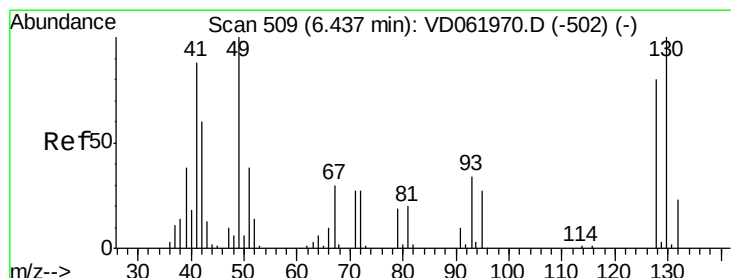
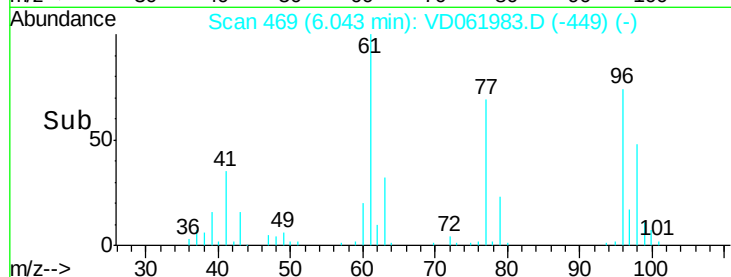
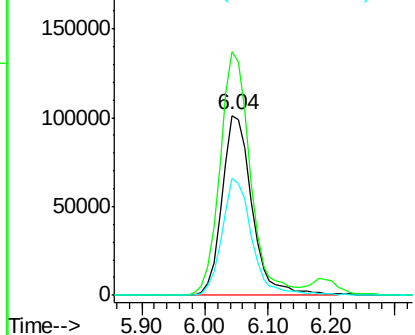
cis-1,2-Dichloroethene
 Concen: 59.482 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 334324
 Ion Ratio Lower Upper
 96 100
 61 135.6 0.0 279.8
 98 65.0 0.0 136.0



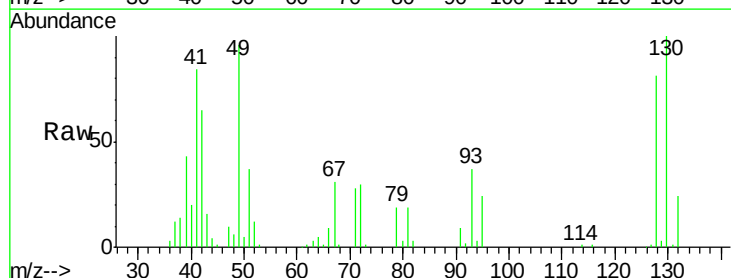
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



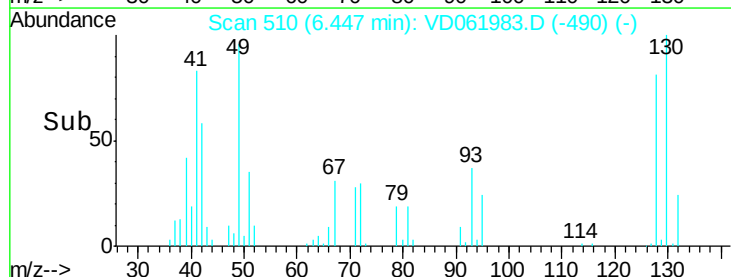
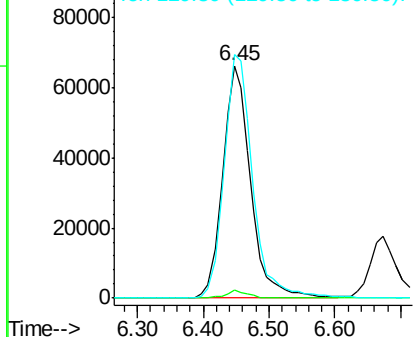
#28

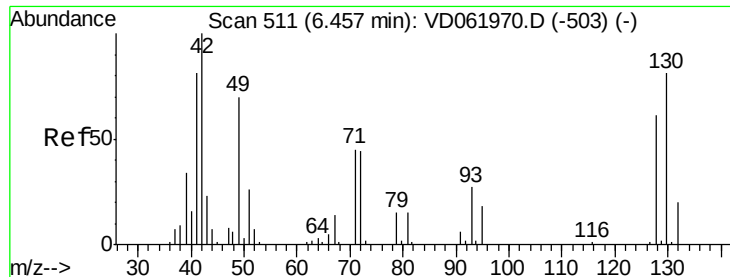
Bromochloromethane
 Concen: 61.797 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Tgt Ion: 49 Resp: 196227
 Ion Ratio Lower Upper
 49 100
 129 3.3 0.0 6.6
 130 104.6 86.7 130.1



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





#29

Tetrahydrofuran

Concen: 348.737 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

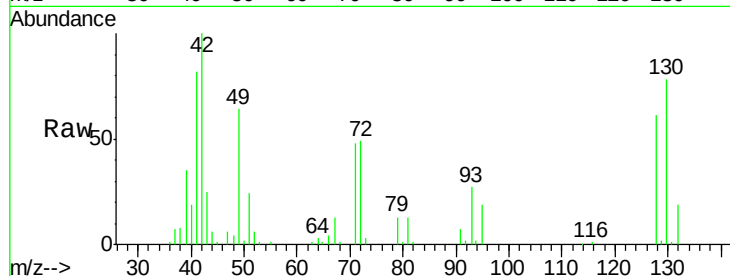
Tot Ion: 42 Resp: 205708

Ion Ratio Lower Upper

42 100

72 46.9 37.8 56.6

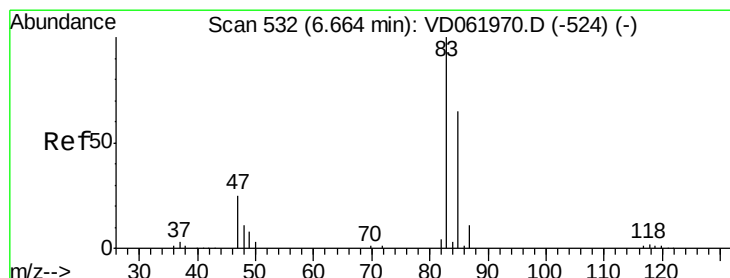
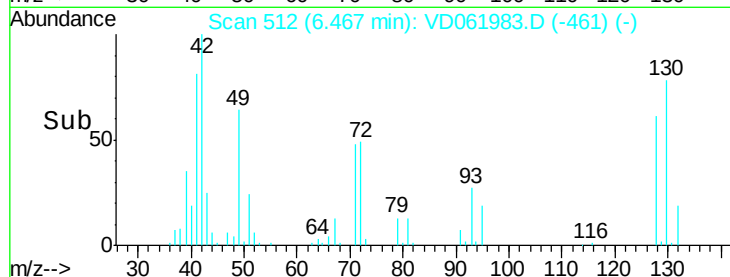
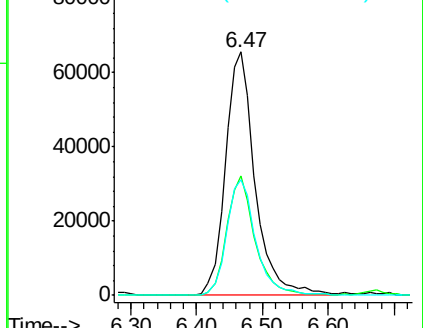
71 46.9 36.7 55.1



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: 60.710 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD061983.D

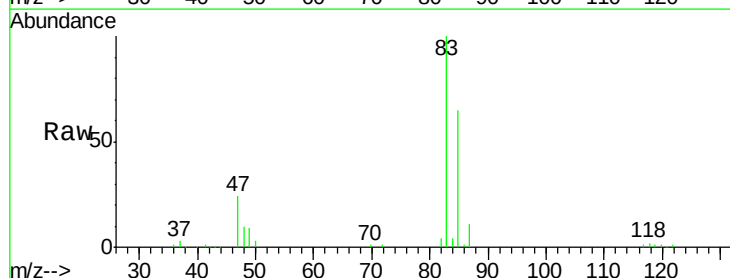
Acq: 23 Apr 2019 23:34

Tgt Ion: 83 Resp: 572249

Ion Ratio Lower Upper

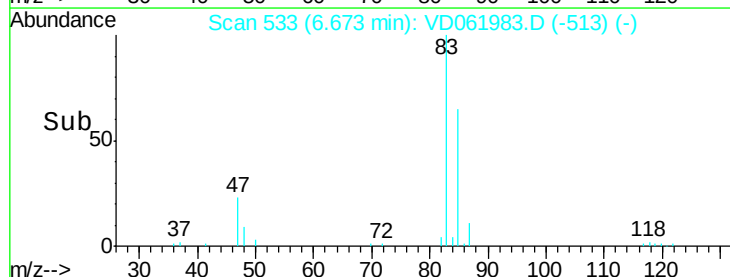
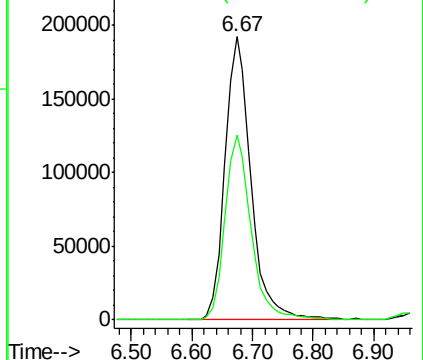
83 100

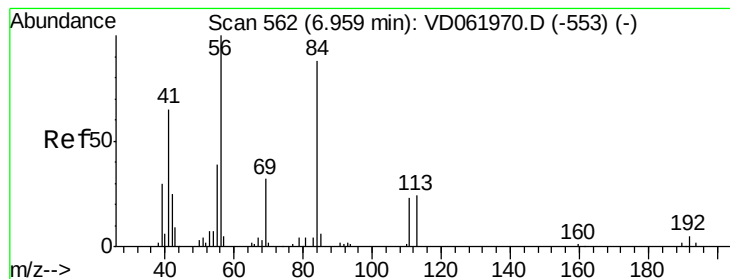
85 65.2 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 55.662 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

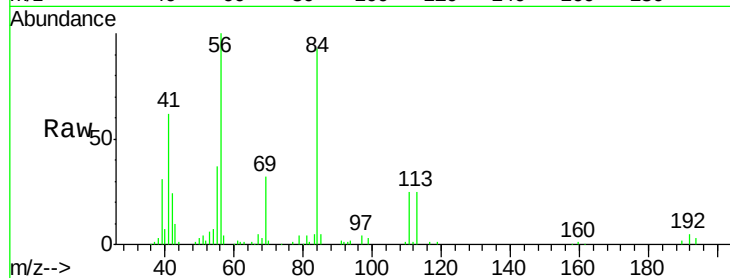
Tot Ion: 56 Resp: 342863

Ion Ratio Lower Upper

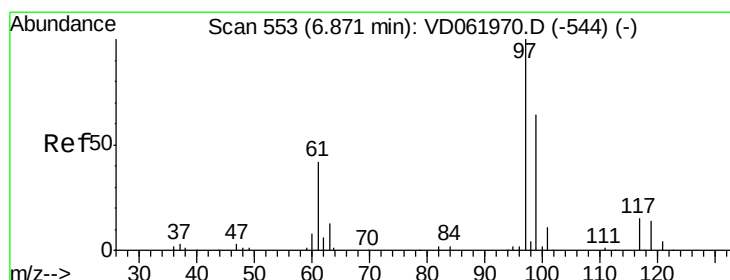
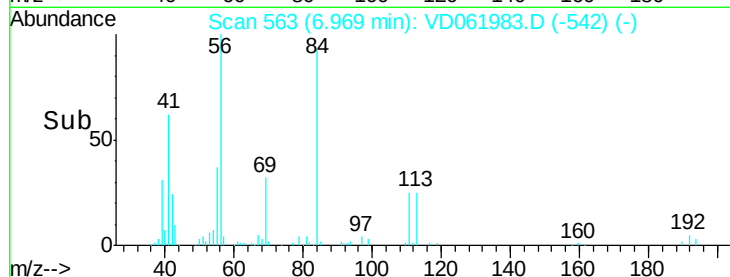
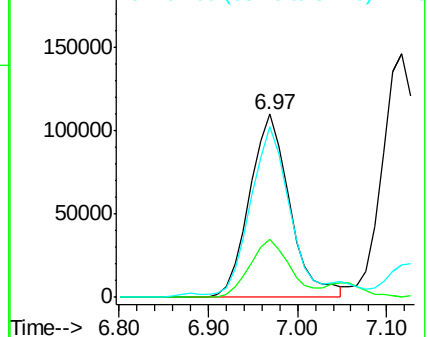
56 100

69 31.8 25.8 38.6

84 93.0 72.2 108.4



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



#32

1,1,1-Trichloroethane

Concen: 56.569 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

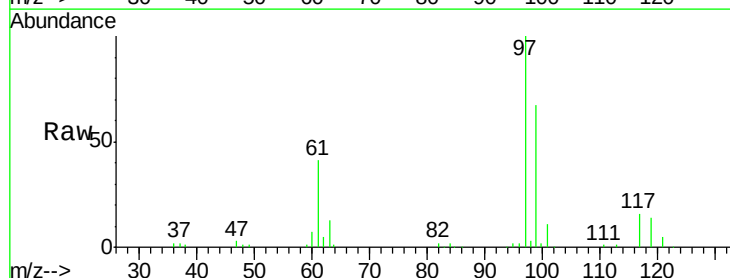
Tgt Ion: 97 Resp: 463941

Ion Ratio Lower Upper

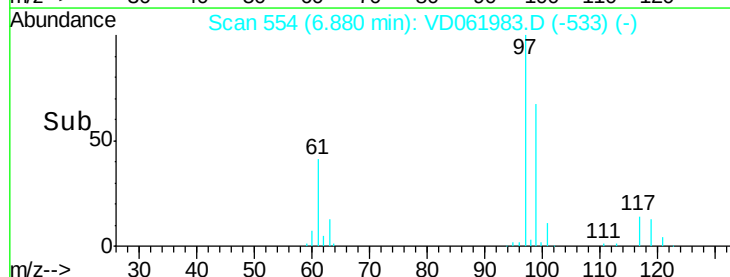
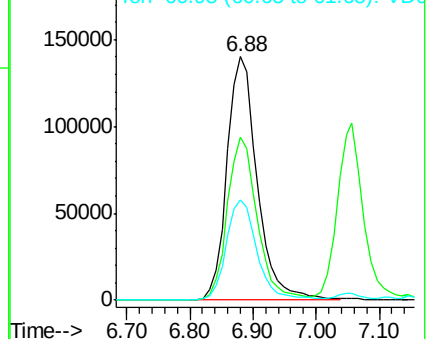
97 100

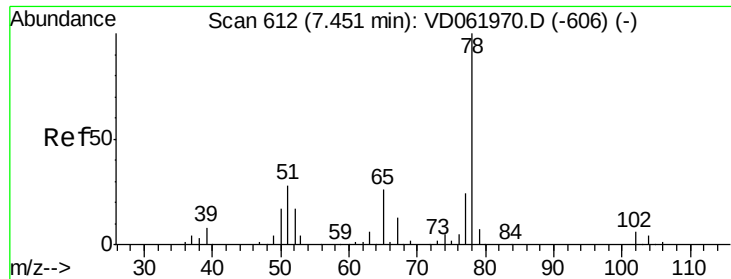
99 66.8 52.2 78.2

61 41.3 32.4 48.6



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

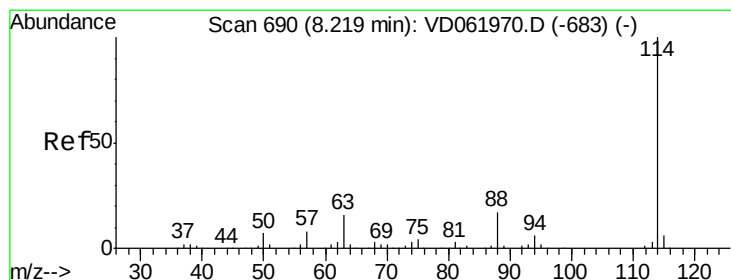
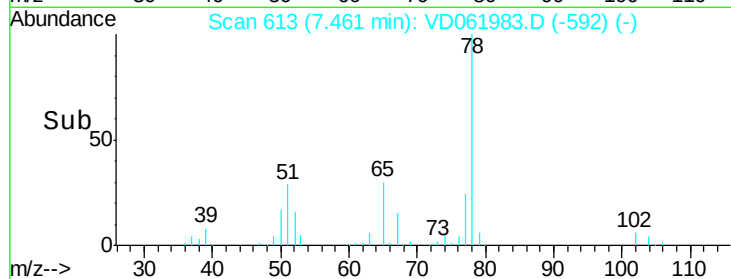
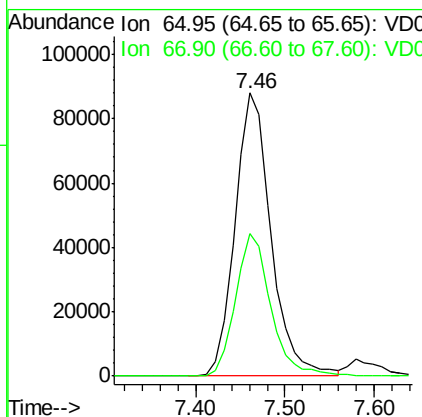
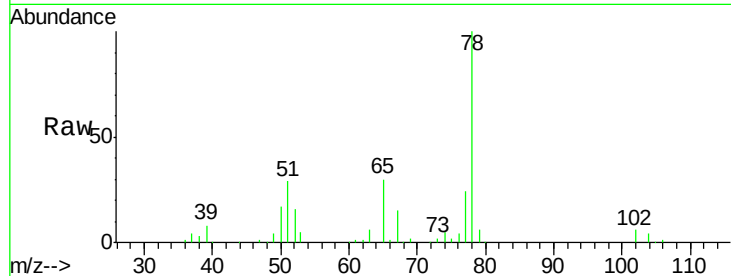




#33
 1,2-Dichloroethane-d4
 Concen: 56.569 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

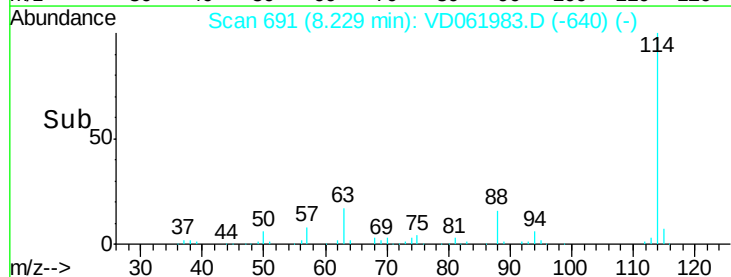
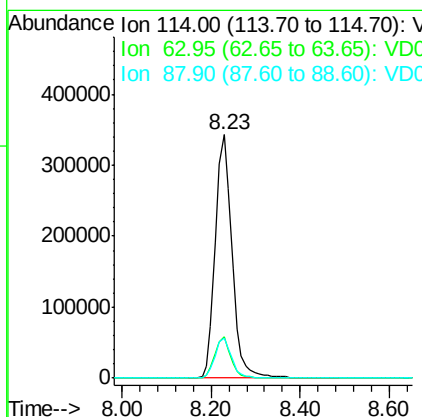
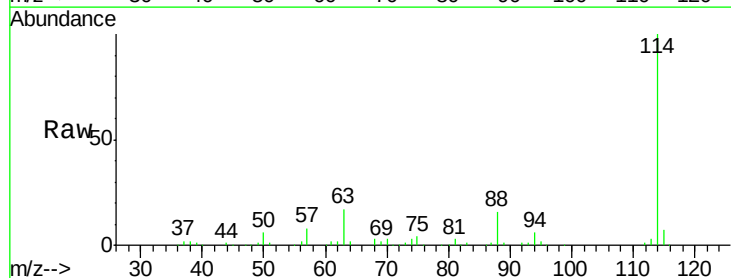
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

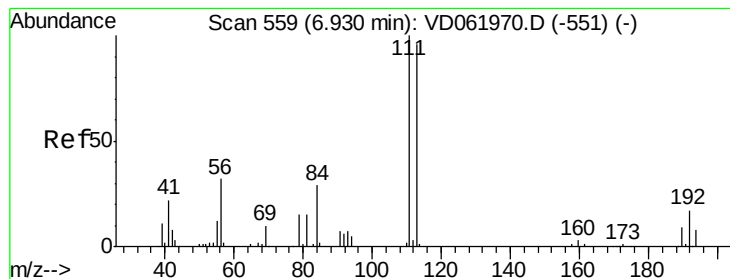
Tot Ion: 65 Resp: 246670
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Tgt Ion: 114 Resp: 896261
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 32.4
 88 16.4 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

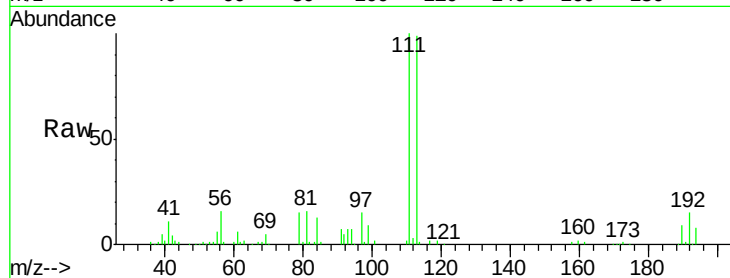
Tot Ion:113 Resp: 361366

Ion Ratio Lower Upper

113 100

111 101.1 78.5 117.7

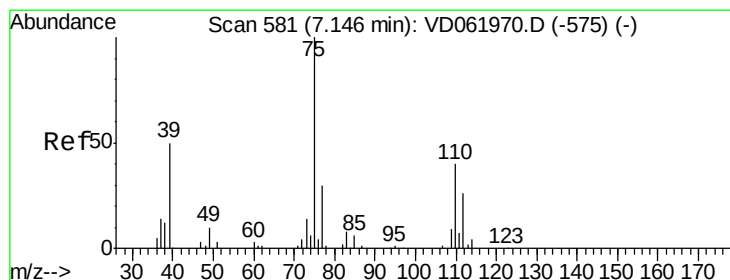
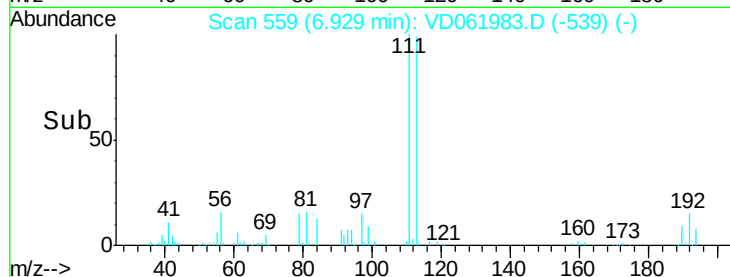
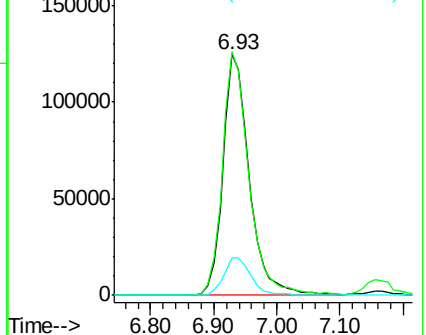
192 15.4 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 50.240 ug/l

RT: 7.16 min Scan# 582

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

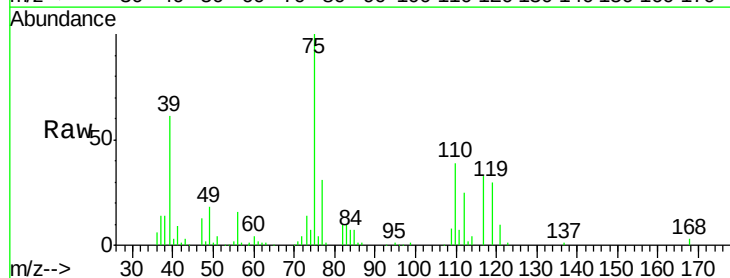
Tgt Ion: 75 Resp: 350815

Ion Ratio Lower Upper

75 100

110 39.5 19.1 57.1

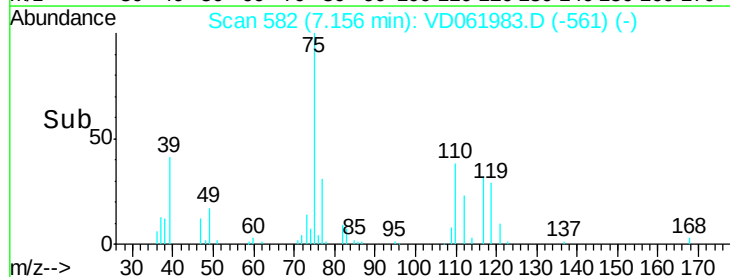
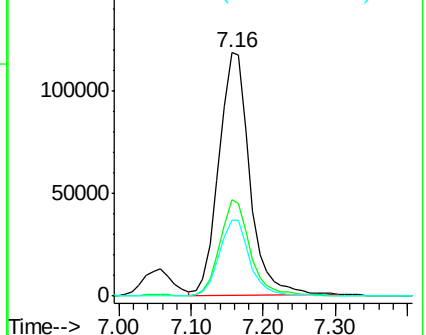
77 31.3 25.6 38.4

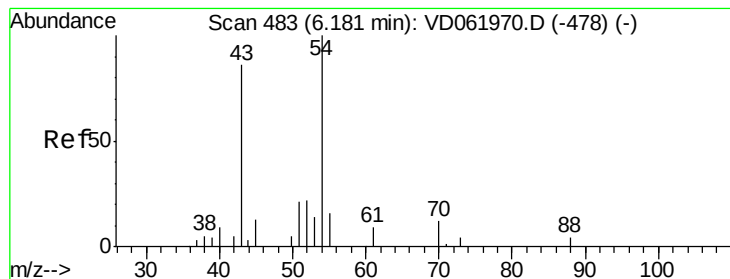


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 65.159 ug/l

RT: 6.18 min Scan# 483

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

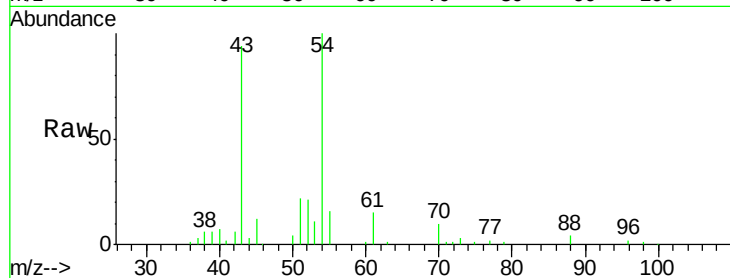
Tot Ion: 43 Resp: 193889

Ion Ratio Lower Upper

43 100

61 16.4 14.7 22.1

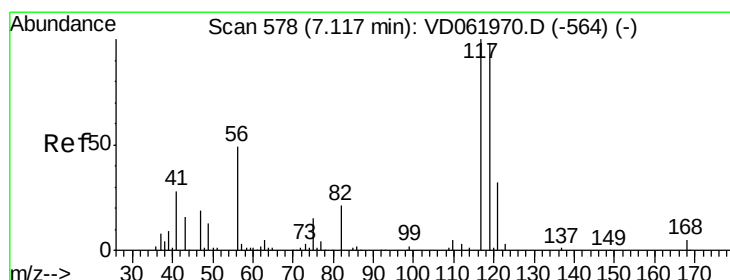
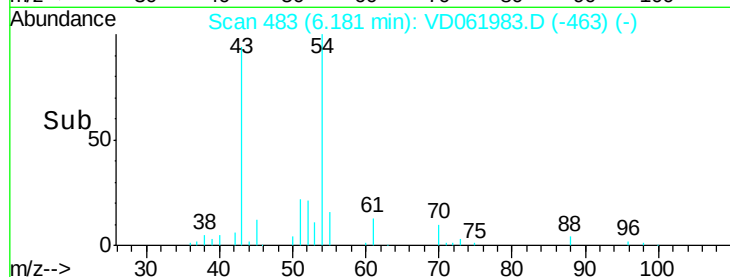
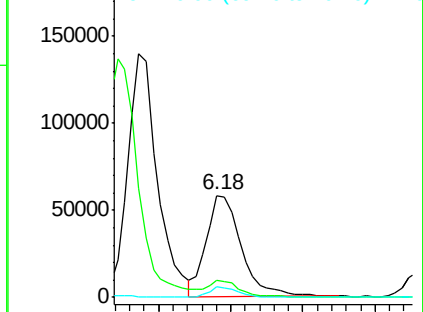
70 10.7 7.8 11.6



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: 55.616 ug/l

RT: 7.13 min Scan# 579

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

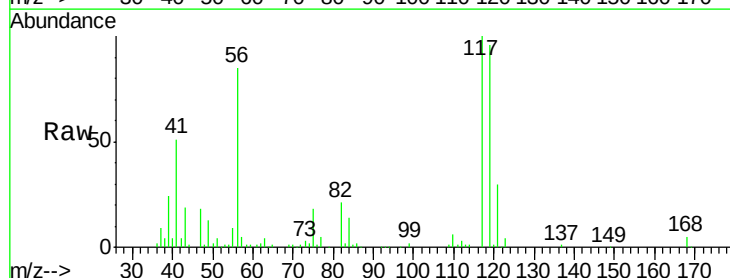
Tgt Ion: 117 Resp: 492109

Ion Ratio Lower Upper

117 100

119 95.5 75.8 113.8

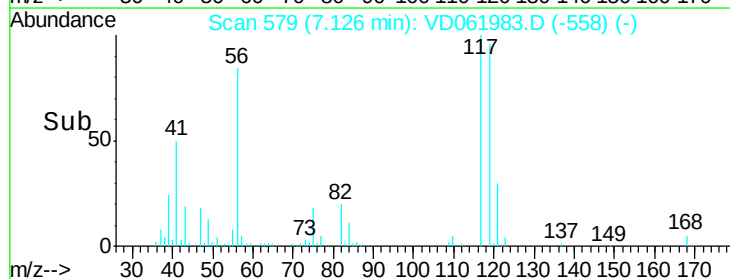
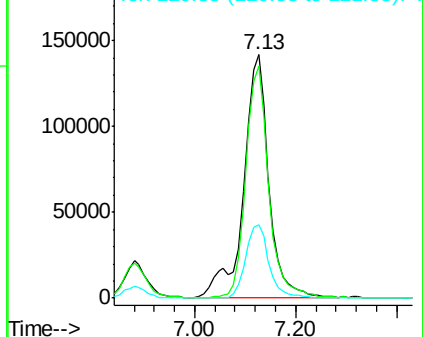
121 30.2 25.9 38.9

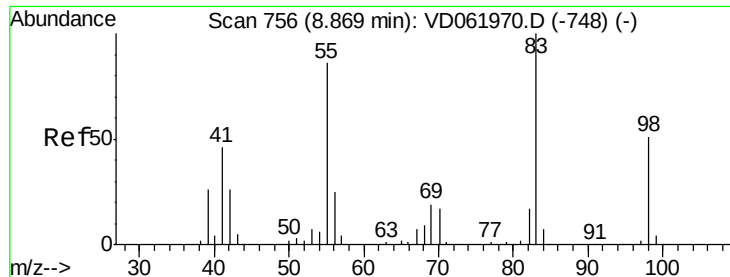


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

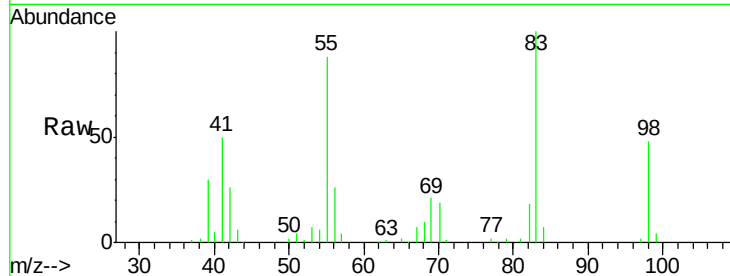




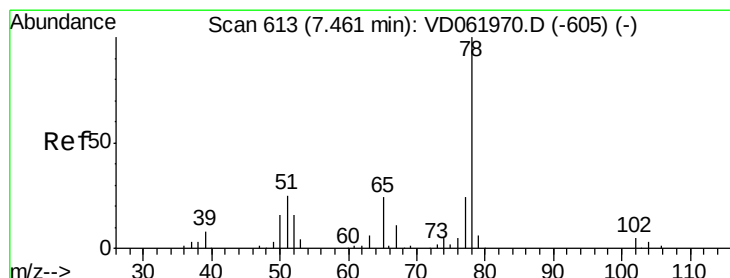
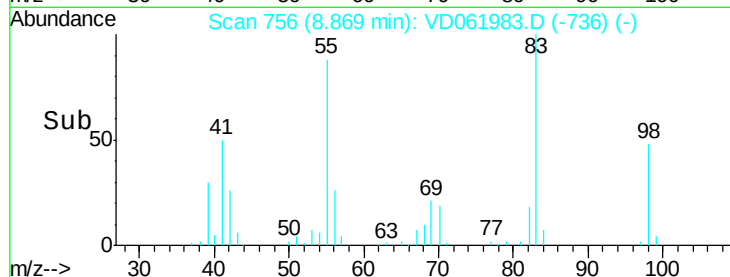
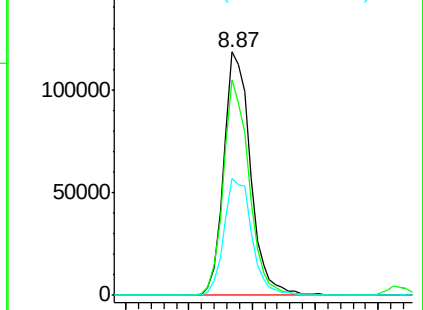
#39
Methylvlcyclohexane
Concen: 50.545 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 348225
Ion Ratio Lower Upper
83 100
55 88.4 68.2 102.4
98 48.1 38.2 57.4

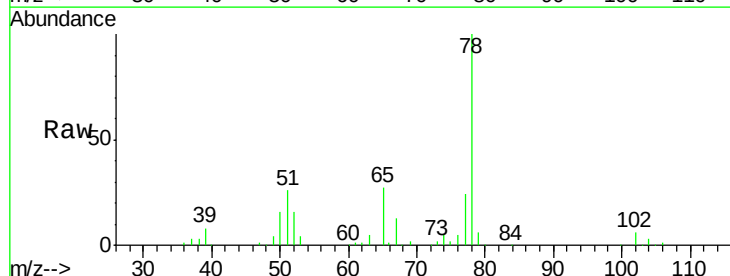


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

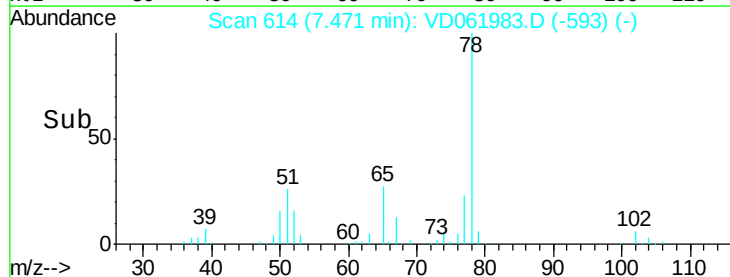
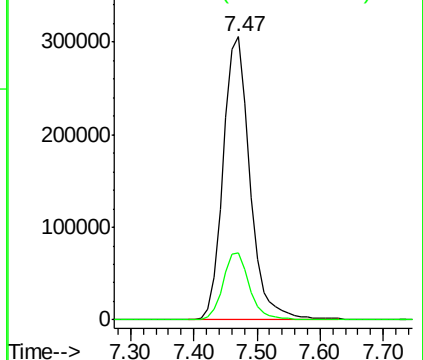


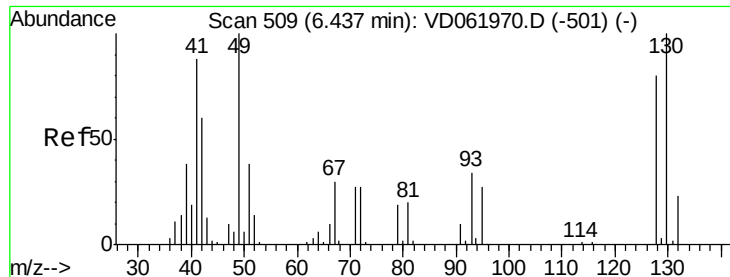
#40
Benzene
Concen: 52.355 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion: 78 Resp: 905071
Ion Ratio Lower Upper
78 100
77 23.6 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

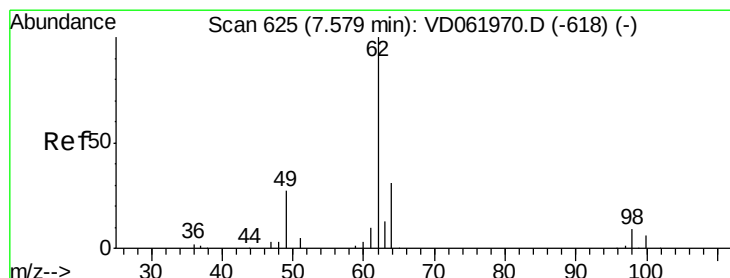
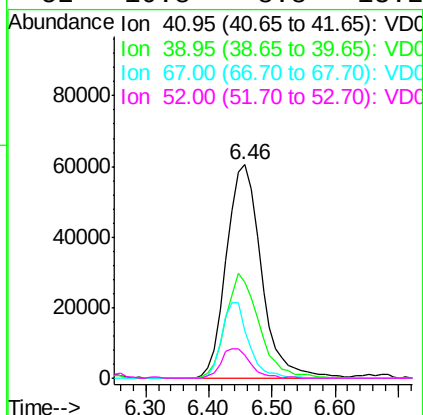
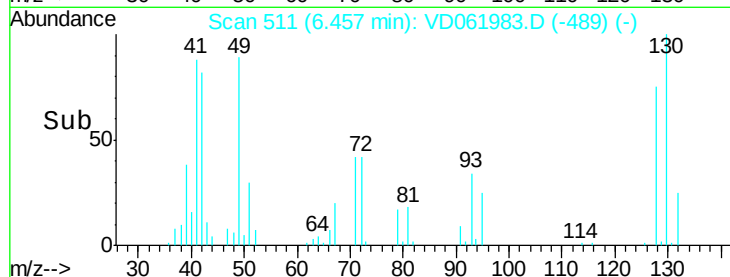
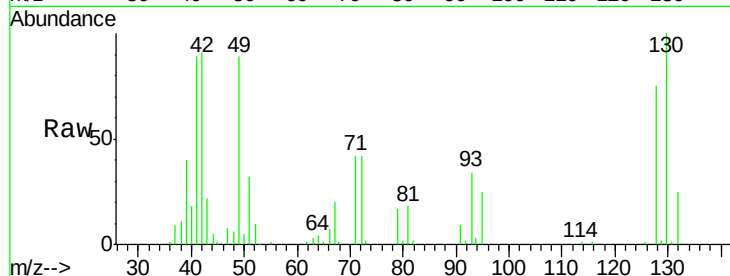




#41
Methacrylonitrile
Concen: 66.965 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.02 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

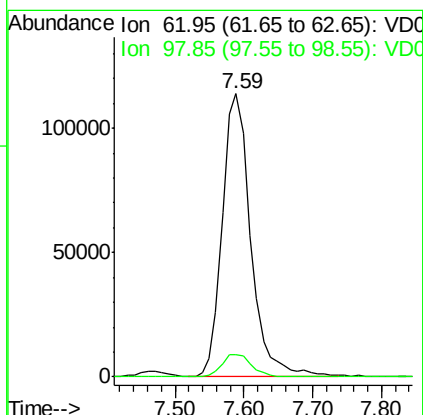
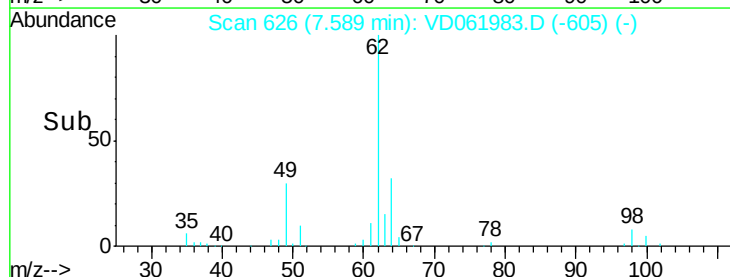
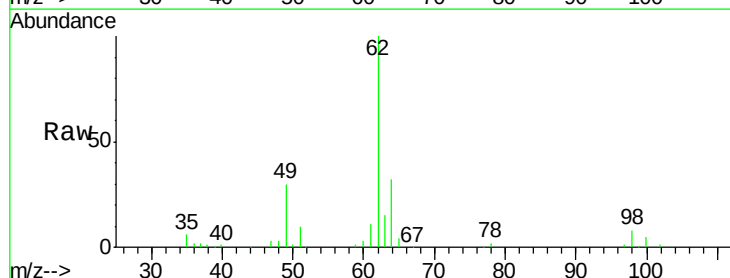
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

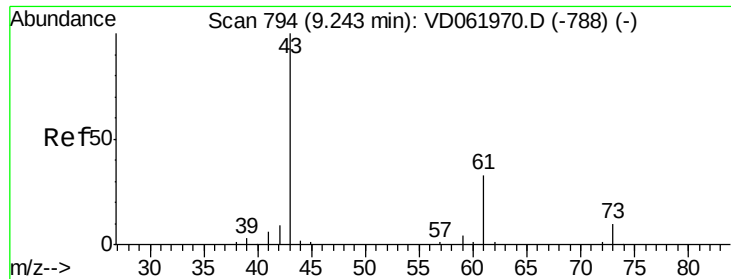
Tot Ion: 41 Resp: 232498
Ion Ratio Lower Upper
41 100
39 44.7 34.1 51.1
67 22.0 23.8 35.6#
52 10.8 8.8 13.2



#42
1,2-Dichloroethane
Concen: 55.710 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion: 62 Resp: 326995
Ion Ratio Lower Upper
62 100
98 7.8 0.0 17.8





#43

Isopropyl Acetate

Concen: 62.781 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

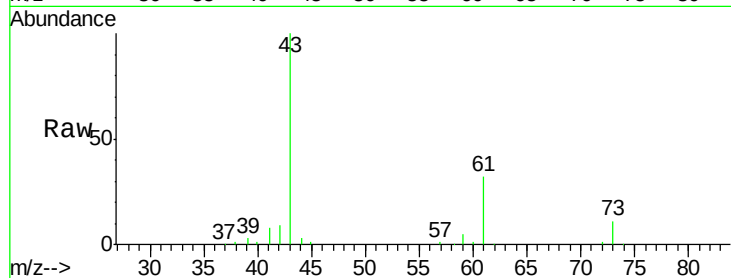
Tot Ion: 43 Resp: 272959

Ion Ratio Lower Upper

43 100

61 31.9 25.1 37.7

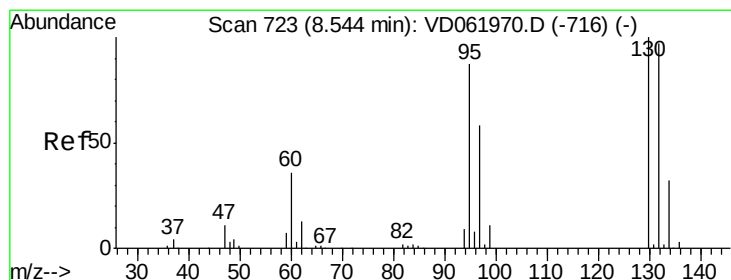
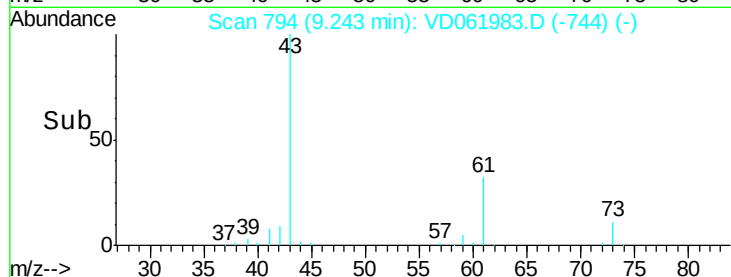
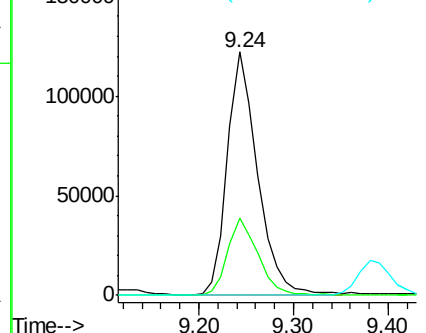
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.099 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD061983.D

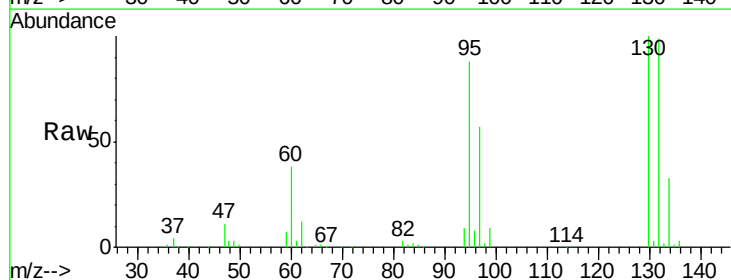
Acq: 23 Apr 2019 23:34

Tgt Ion:130 Resp: 342466

Ion Ratio Lower Upper

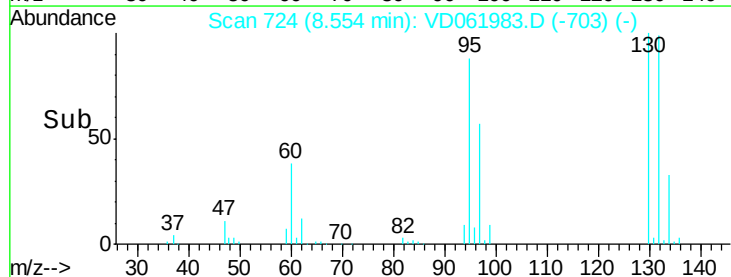
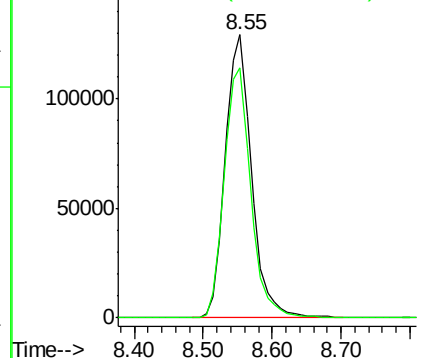
130 100

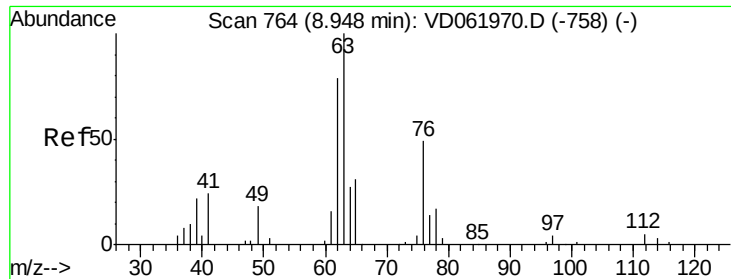
95 88.4 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

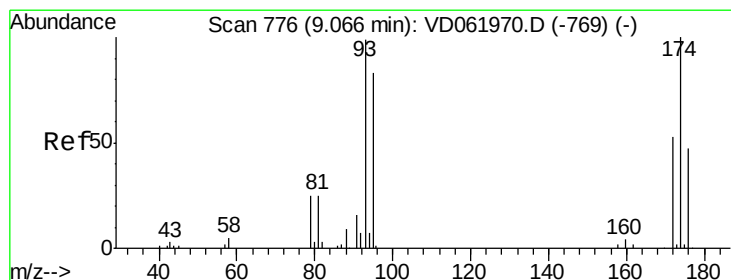
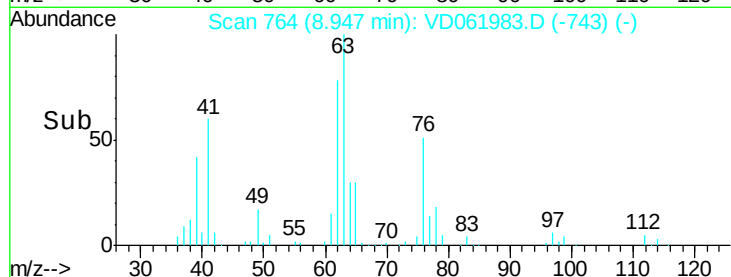
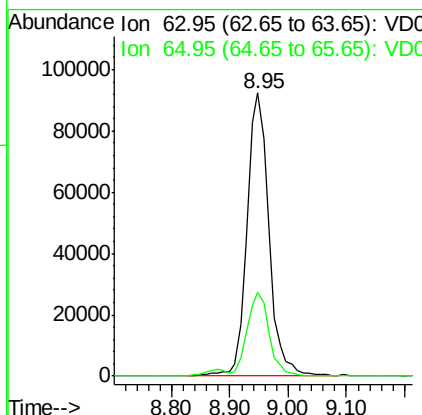
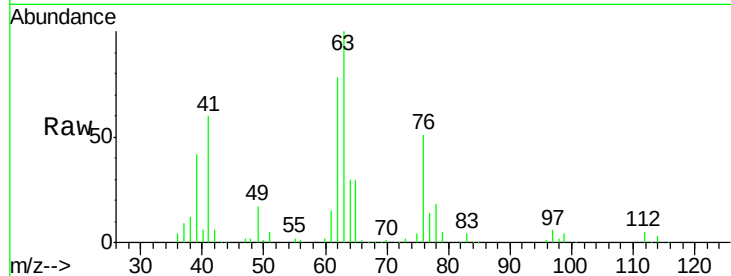




#45
 1,2-Dichloropropane
 Concen: 55.638 ug/l
 RT: 8.95 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

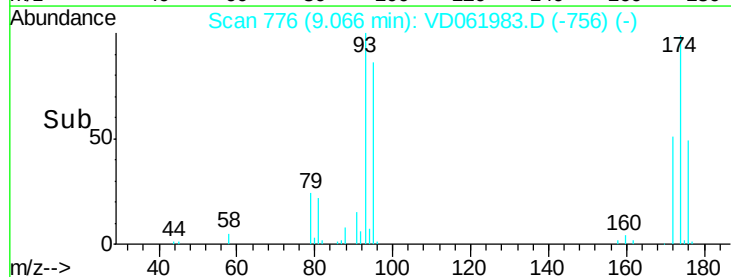
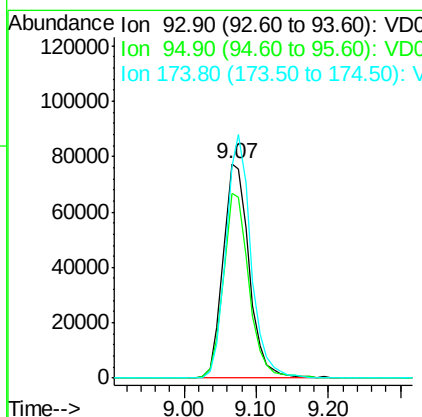
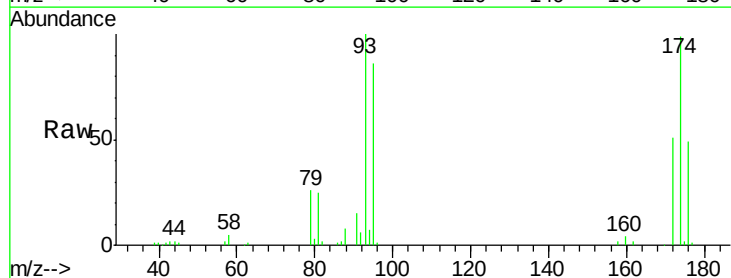
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

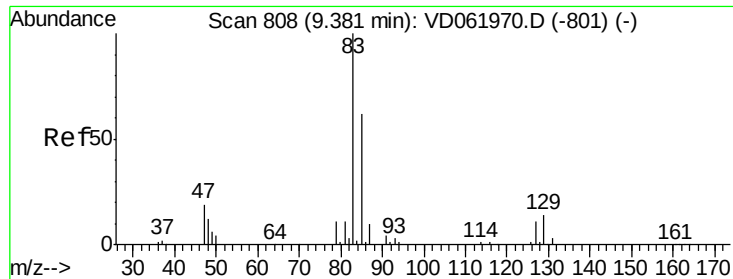
Tot Ion: 63 Resp: 244003
 Ion Ratio Lower Upper
 63 100
 65 29.6 23.8 35.6



#46
 Dibromomethane
 Concen: 61.442 ug/l
 RT: 9.07 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Tgt Ion: 93 Resp: 193892
 Ion Ratio Lower Upper
 93 100
 95 86.2 64.8 97.2
 174 98.5 79.3 118.9





#47

Bromodichloromethane

Concen: 56.594 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

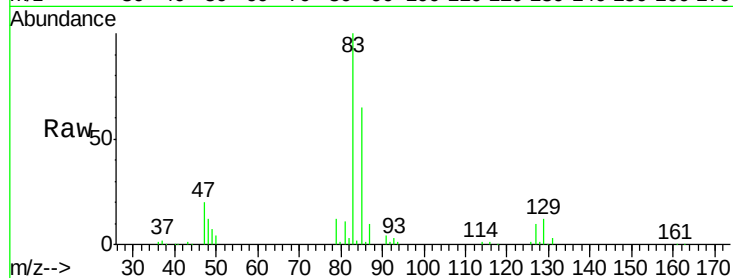
Tot Ion: 83 Resp: 421987

Ion Ratio Lower Upper

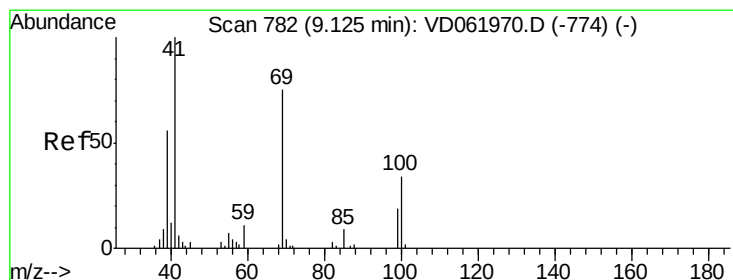
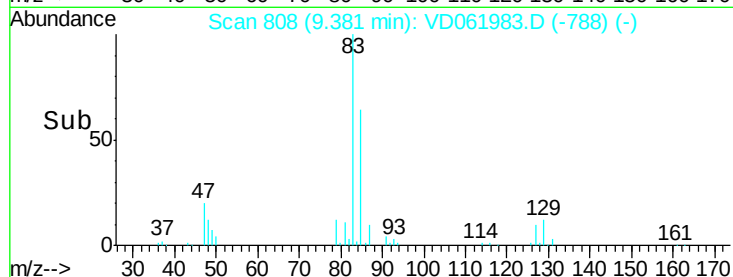
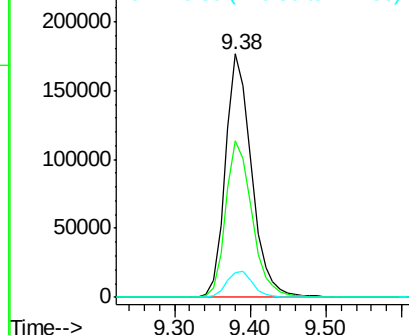
83 100

85 64.5 50.9 76.3

127 10.4 8.1 12.1



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



#48

Methyl methacrylate

Concen: 63.351 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

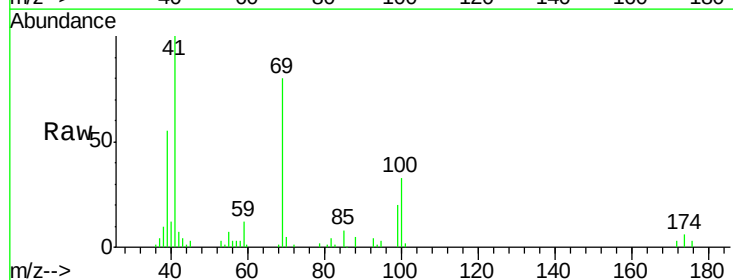
Tgt Ion: 41 Resp: 157152

Ion Ratio Lower Upper

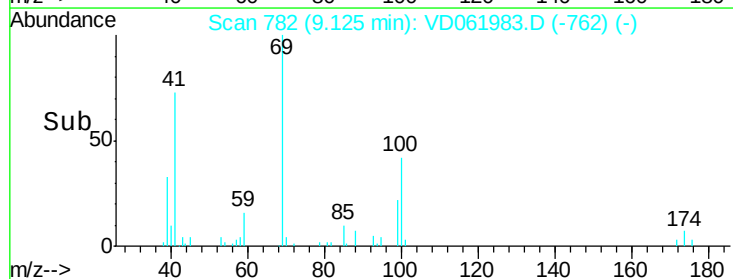
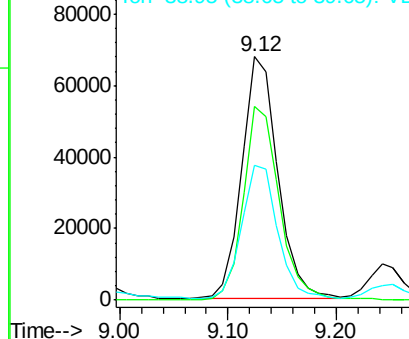
41 100

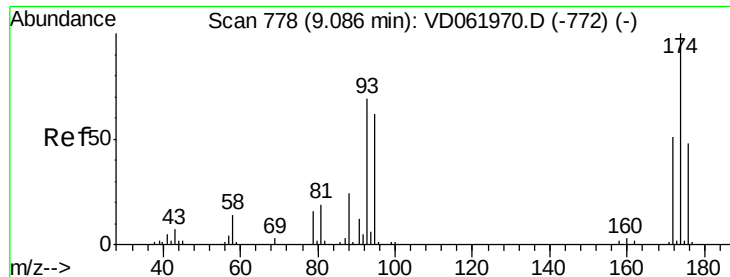
69 79.8 64.2 96.2

39 55.4 46.8 70.2



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

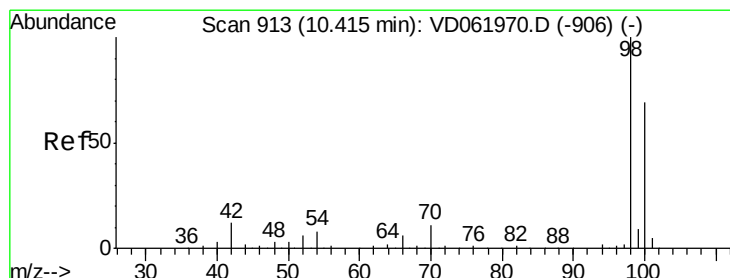
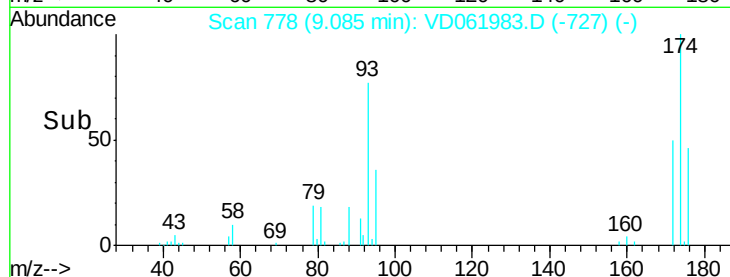
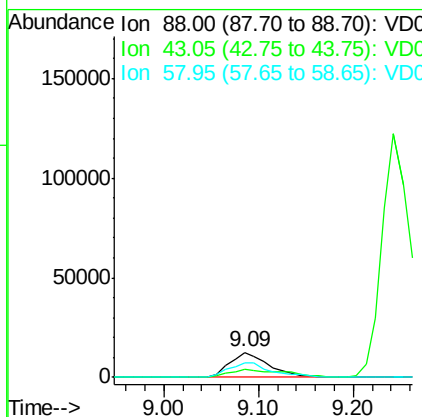
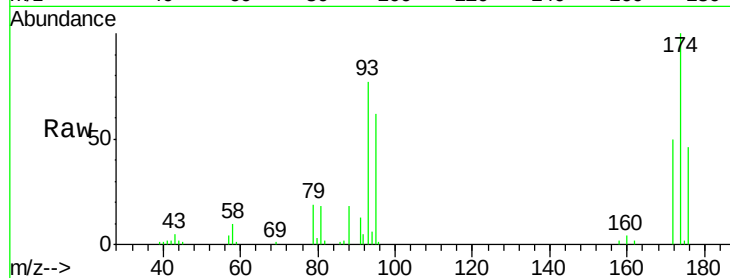




#49
1,4-Dioxane
Concen: 1372.388 ug/l
RT: 9.09 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

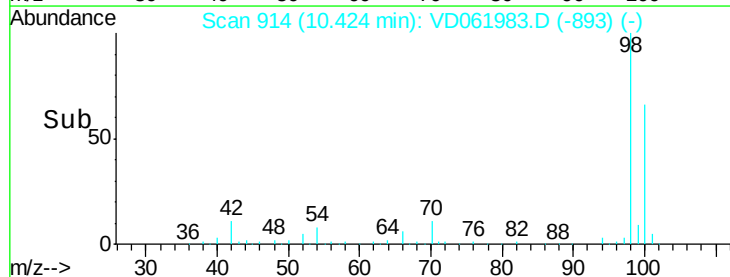
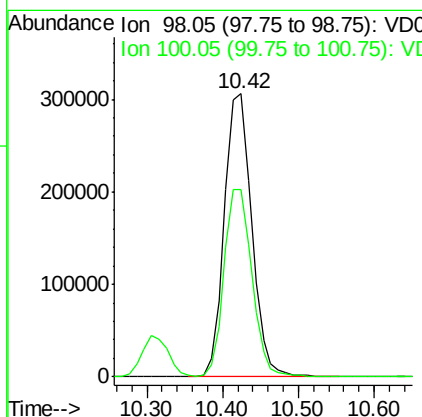
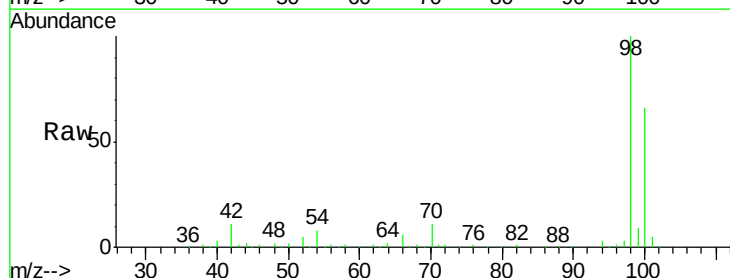
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

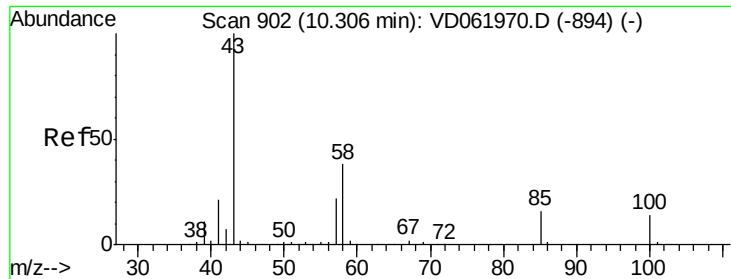
Tot Ion: 88 Resp: 36704
Ion Ratio Lower Upper
88 100
43 30.7 23.4 35.0
58 56.4 44.0 66.0



#50
Toluene-d8
Concen: 1372.388 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion: 98 Resp: 767197
Ion Ratio Lower Upper
98 100
100 66.3 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 319.436 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

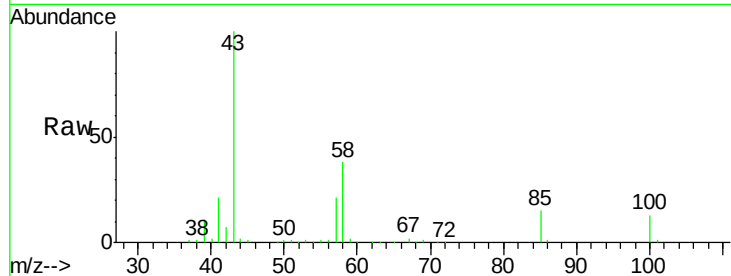
VSTDCCC050

Tot Ion: 43 Resp: 849361

Ion Ratio Lower Upper

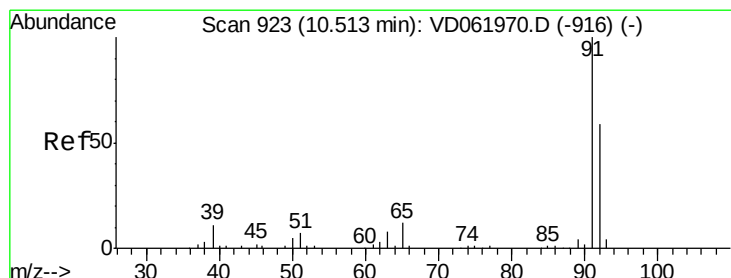
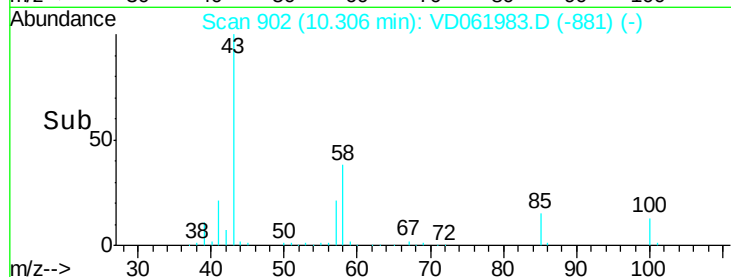
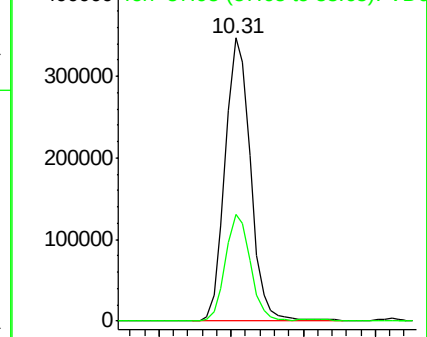
43 100

58 37.7 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 53.516 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD061983.D

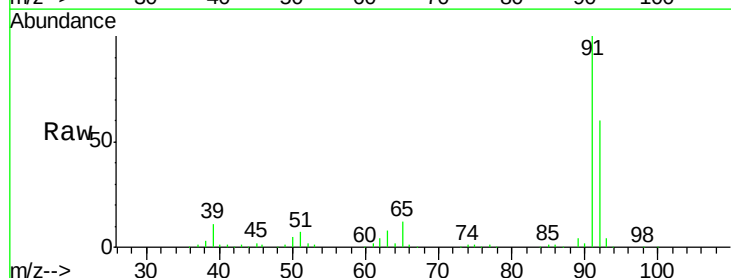
Acq: 23 Apr 2019 23:34

Tgt Ion: 92 Resp: 589885

Ion Ratio Lower Upper

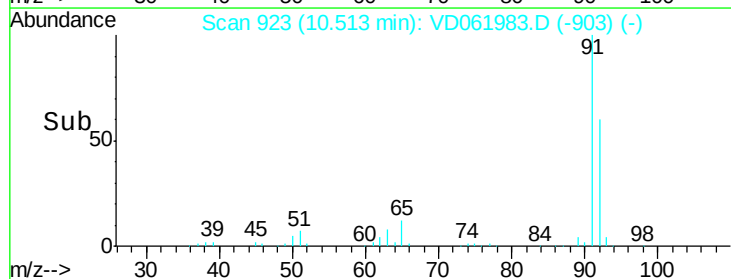
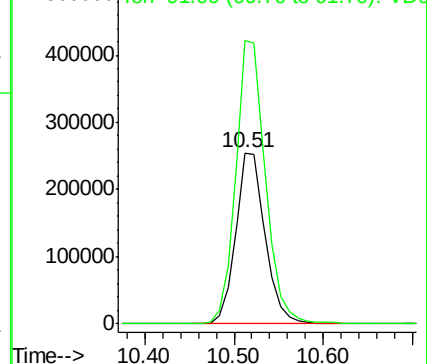
92 100

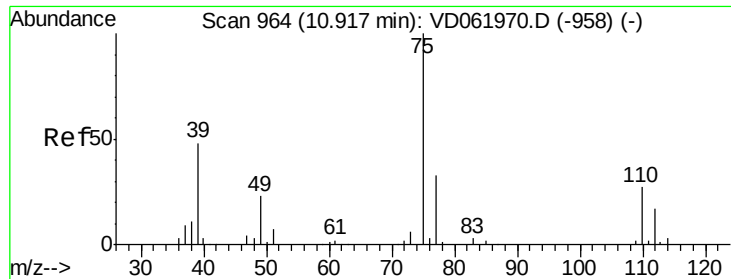
91 165.7 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

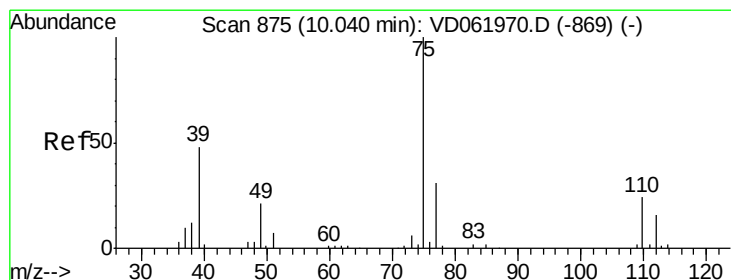
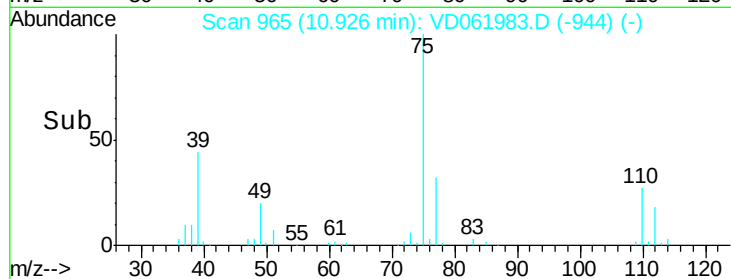
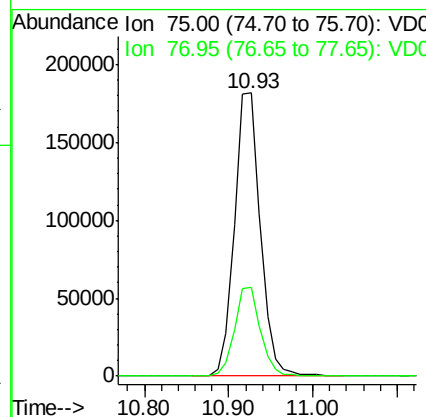
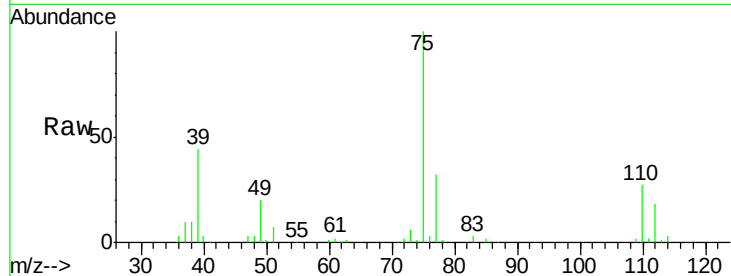




#53
 t-1,3-Dichloropropene
 Concen: 62.152 ug/l
 RT: 10.93 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

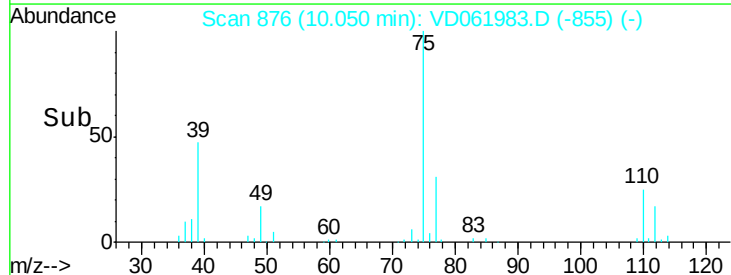
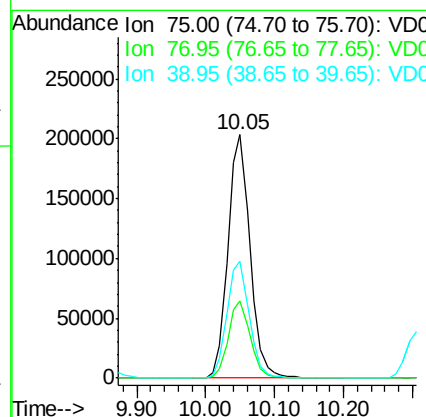
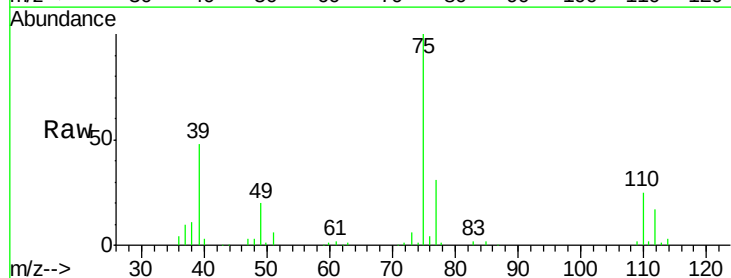
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

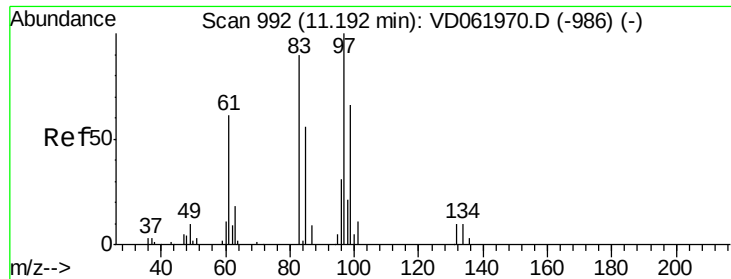
Tot Ion: 75 Resp: 388991
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 59.263 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Tgt Ion: 75 Resp: 451122
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.5 38.3
 39 47.8 39.4 59.2

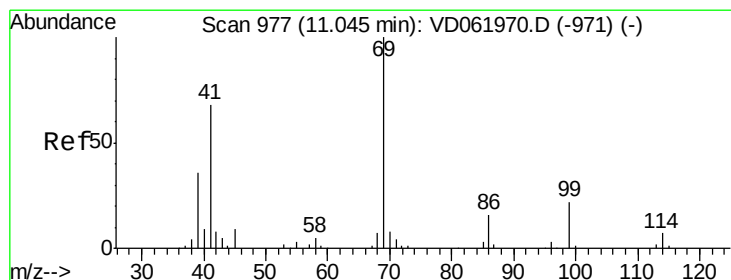
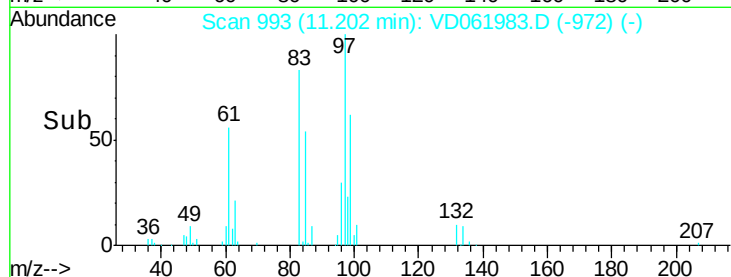
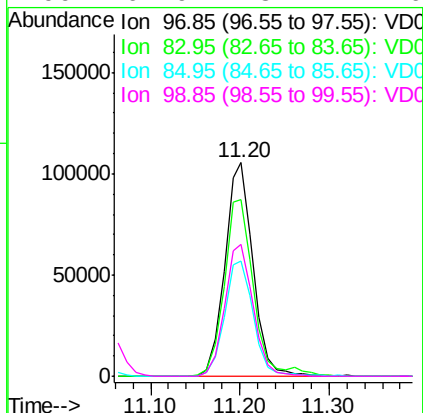
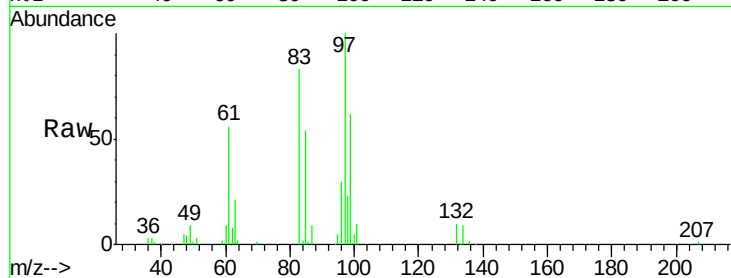




#55
 1,1,2-Trichloroethane
 Concen: 63.210 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

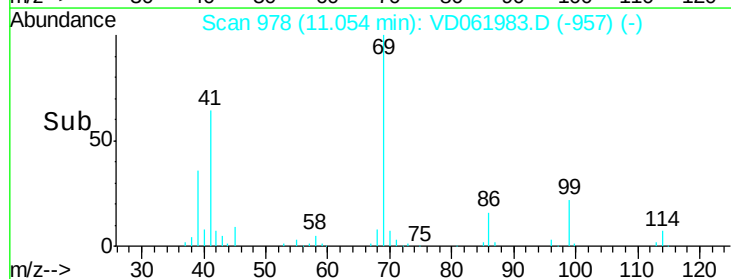
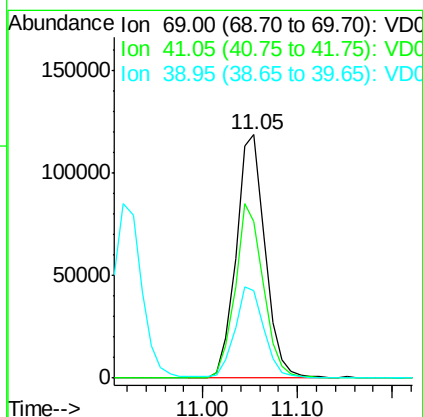
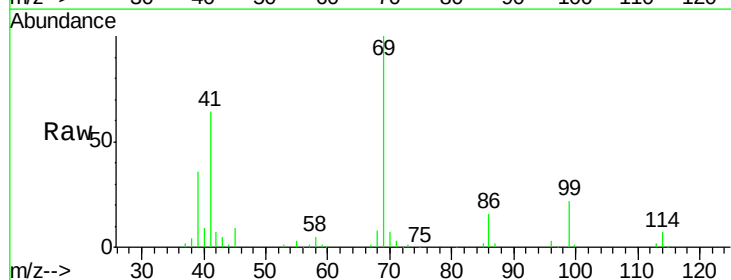
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

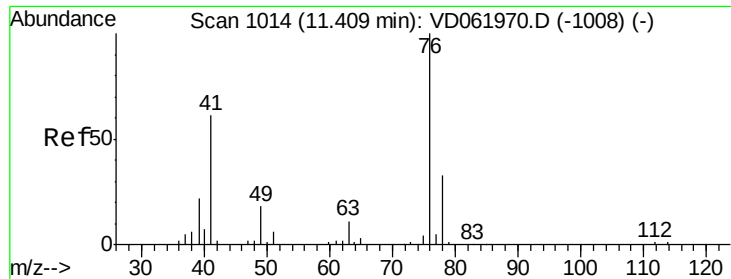
Tot Ion:	97	Resp:	233908
Ion	Ratio	Lower	Upper
97	100		
83	82.7	65.7	98.5
85	54.2	45.6	68.4
99	61.9	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 61.390 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Tgt Ion:	69	Resp:	251604
Ion	Ratio	Lower	Upper
69	100		
41	64.1	56.3	84.5
39	36.1	29.4	44.2

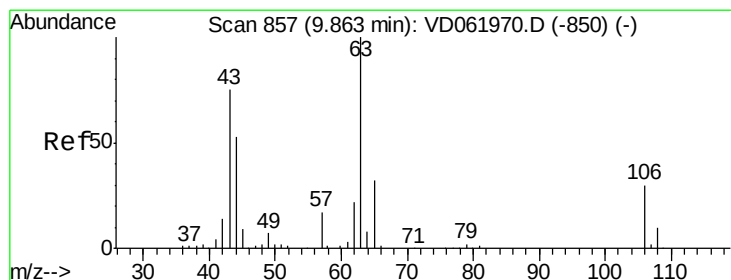
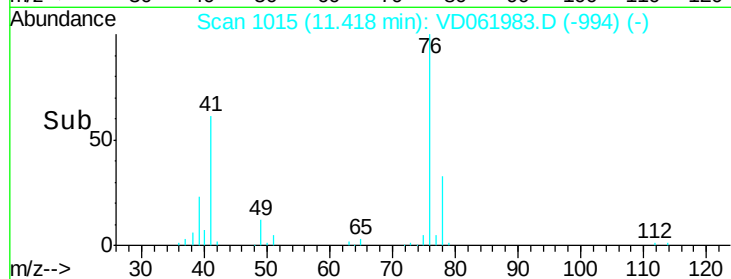
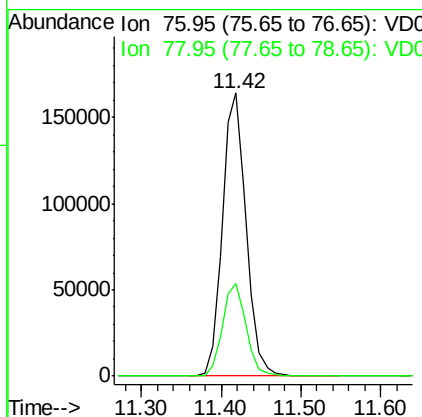
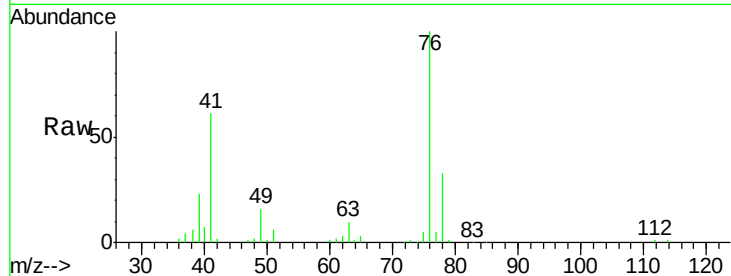




#57
 1,3-Dichloropropane
 Concen: 60.150 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

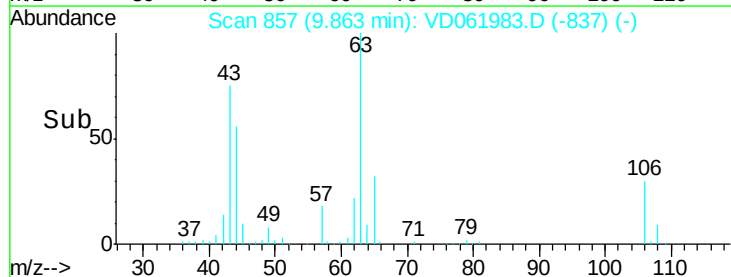
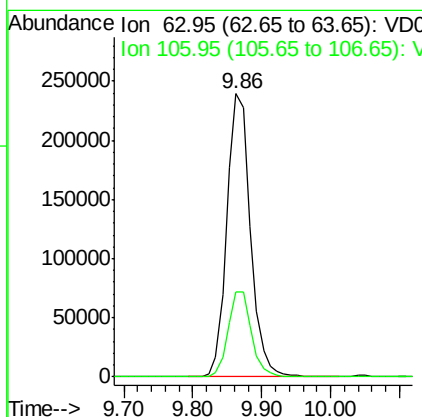
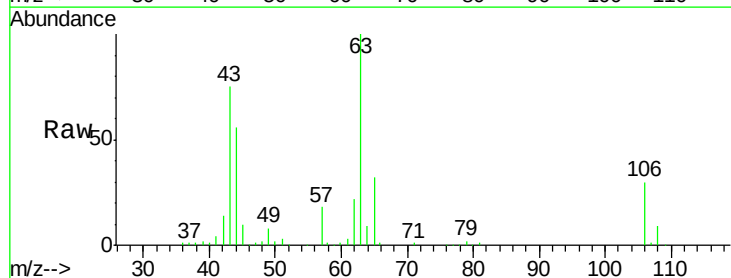
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

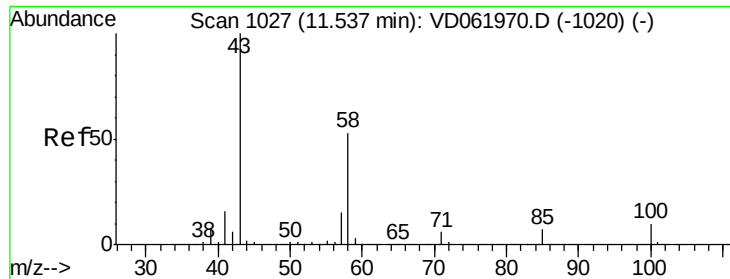
Tot Ion: 76 Resp: 343778
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 298.069 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Tgt Ion: 63 Resp: 567966
 Ion Ratio Lower Upper
 63 100
 106 30.0 22.6 34.0

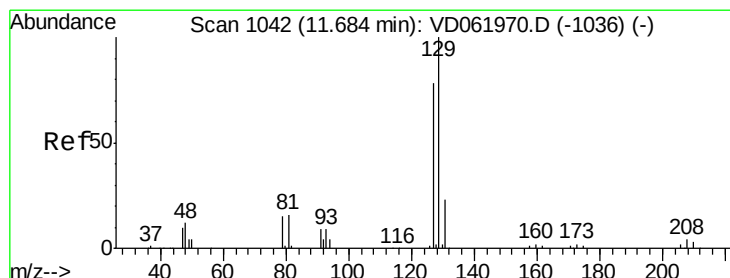
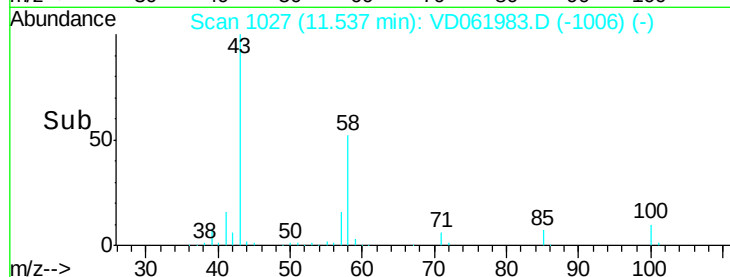
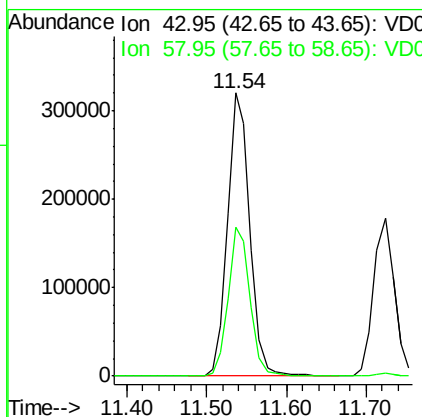
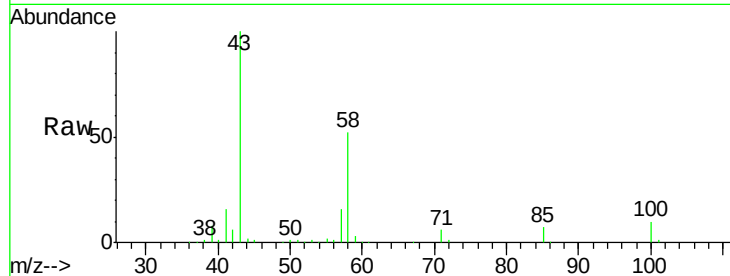




#59
2-Hexanone
Concen: 316.056 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

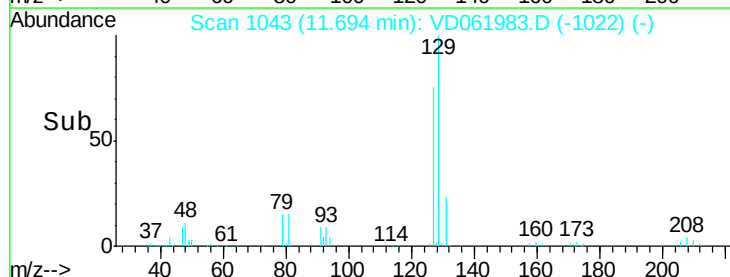
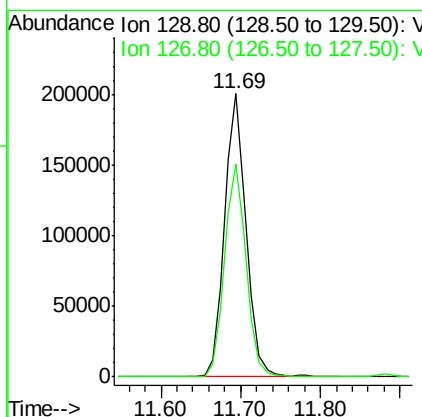
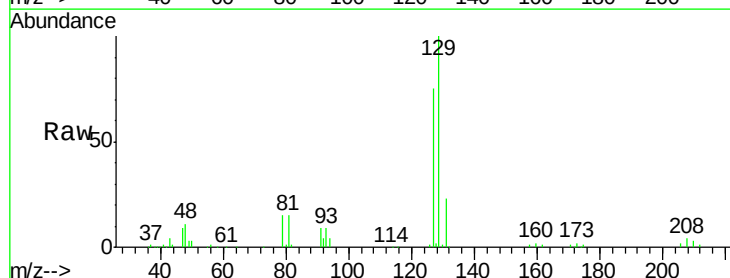
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

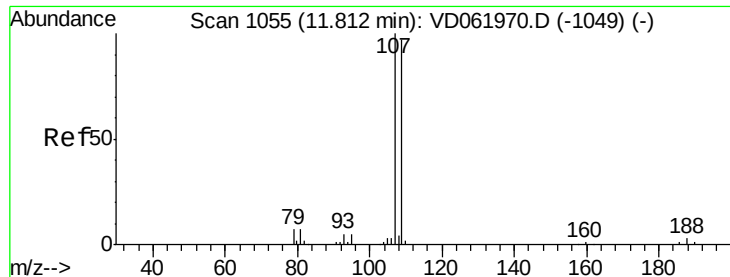
Tot Ion: 43 Resp: 630401
Ion Ratio Lower Upper
43 100
58 52.5 25.4 76.4



#60
Dibromochloromethane
Concen: 62.430 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion: 129 Resp: 382254
Ion Ratio Lower Upper
129 100
127 75.2 38.0 113.9

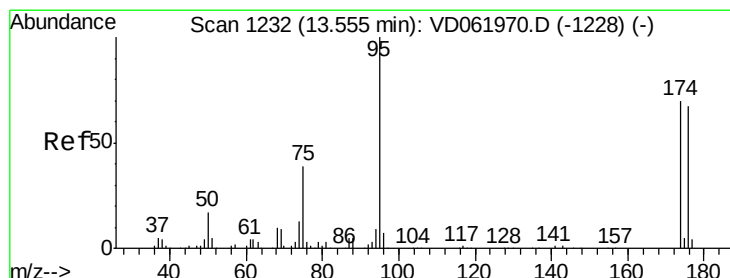
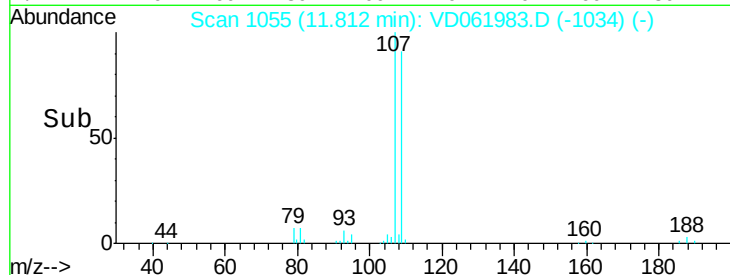
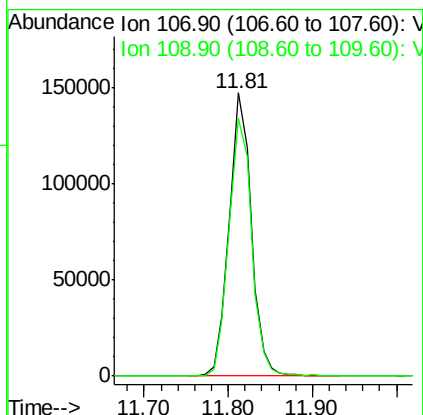
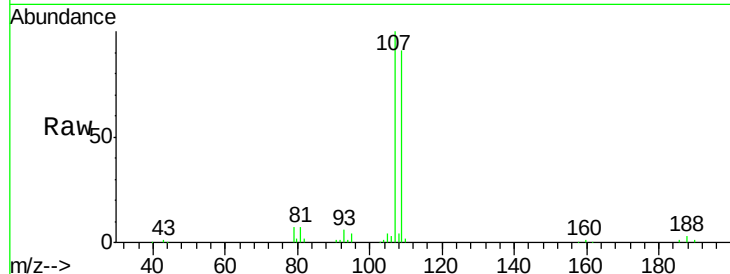




#61
 1,2-Dibromoethane
 Concen: 61.798 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

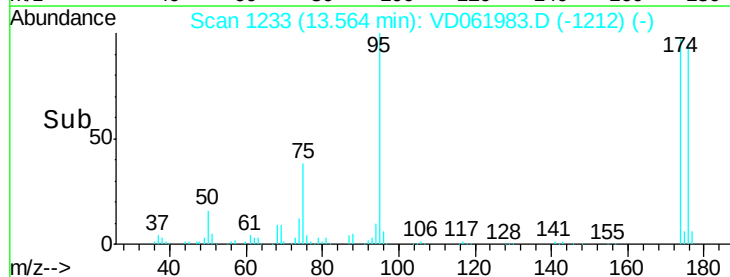
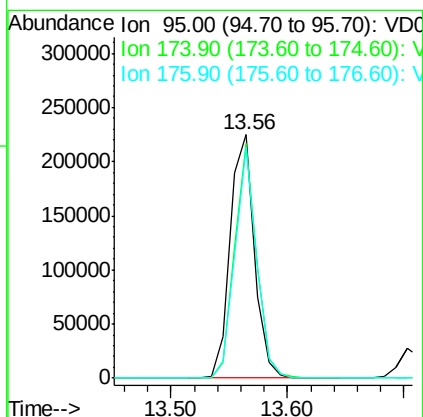
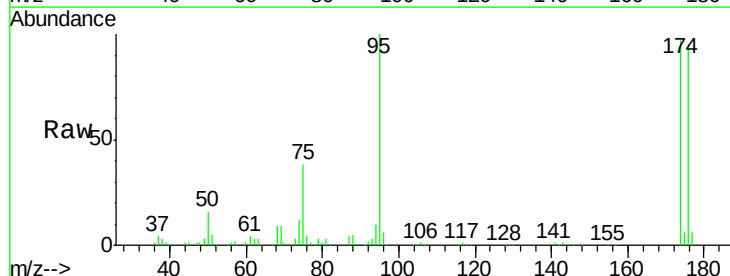
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

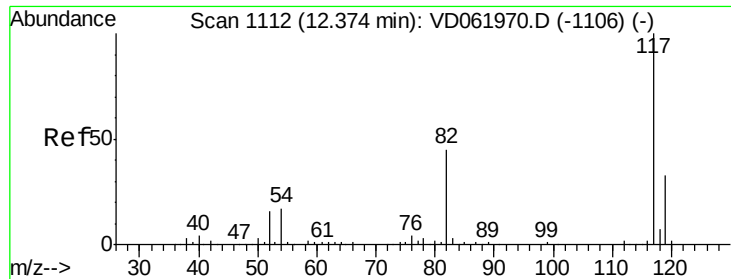
Tot Ion:107 Resp: 271277
 Ion Ratio Lower Upper
 107 100
 109 91.2 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 61.798 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Tgt Ion: 95 Resp: 323499
 Ion Ratio Lower Upper
 95 100
 174 96.6 0.0 181.8
 176 94.9 0.0 174.4

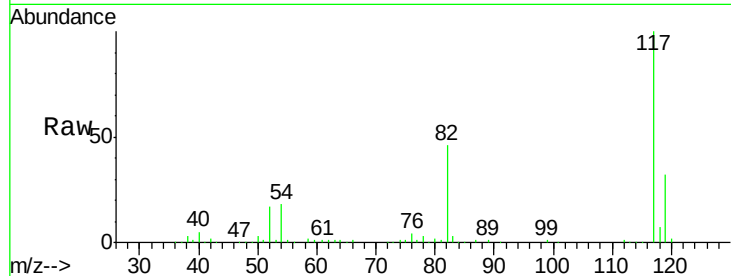




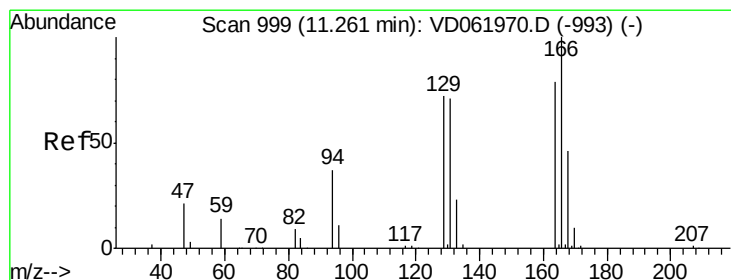
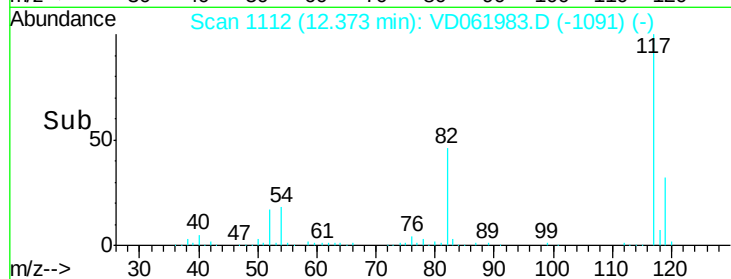
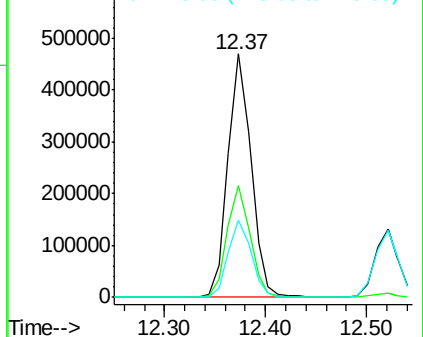
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 752619
Ion Ratio Lower Upper
117 100
82 46.1 36.2 54.2
119 31.8 26.2 39.4

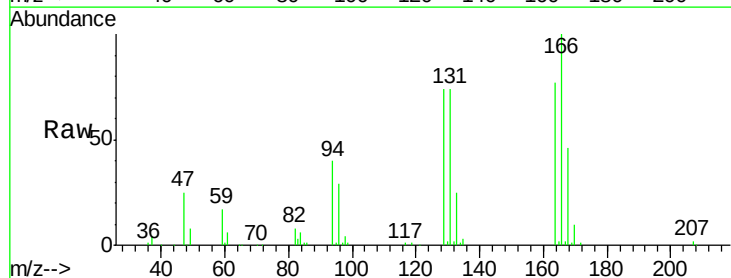


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

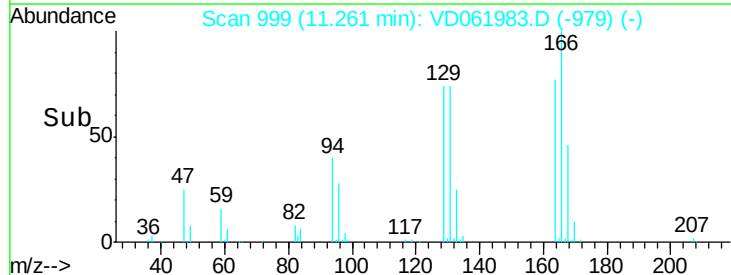
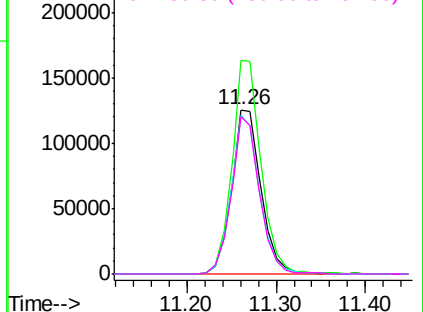


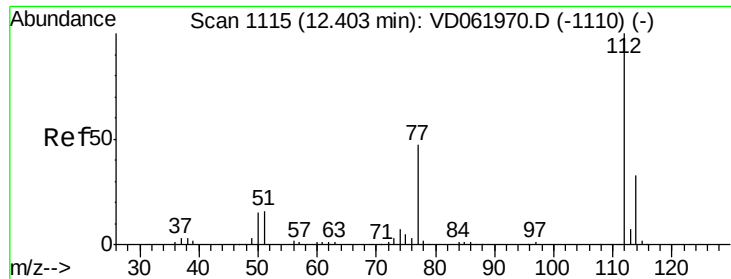
#64
Tetrachloroethene
Concen: 53.547 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion:164 Resp: 287484
Ion Ratio Lower Upper
164 100
166 129.9 101.5 152.3
129 96.5 74.6 112.0
131 95.9 72.6 108.8



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

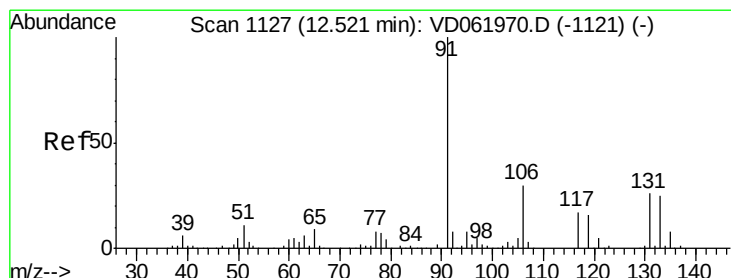
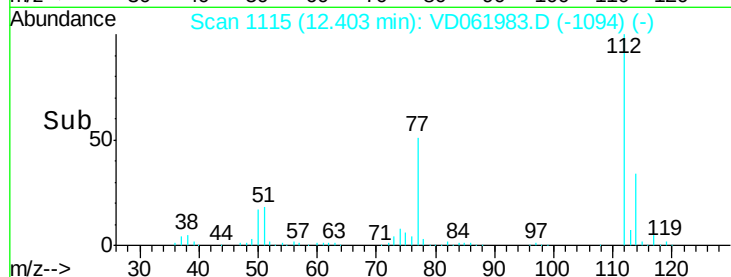
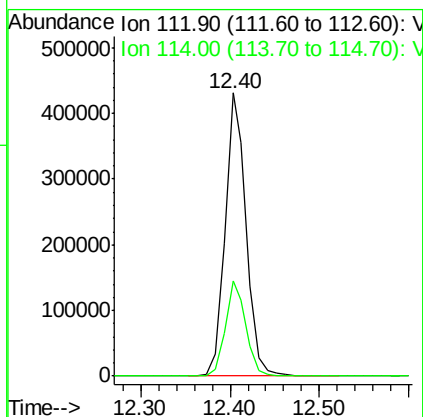
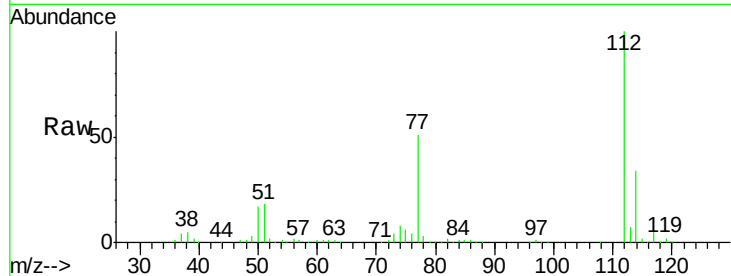




#65
Chlorobenzene
Concen: 50.103 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

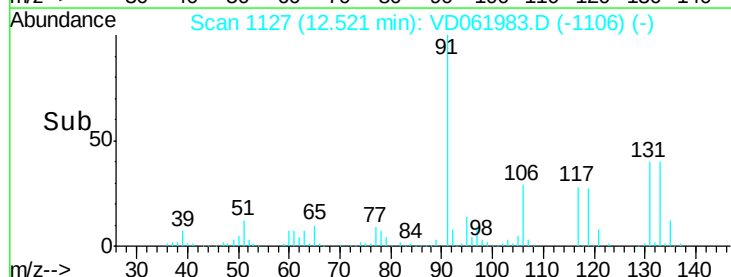
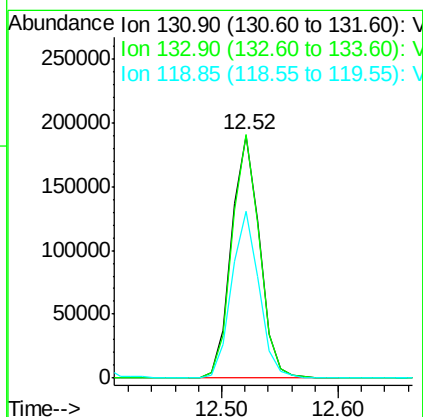
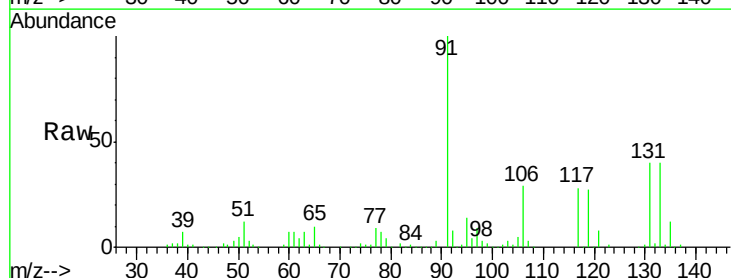
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

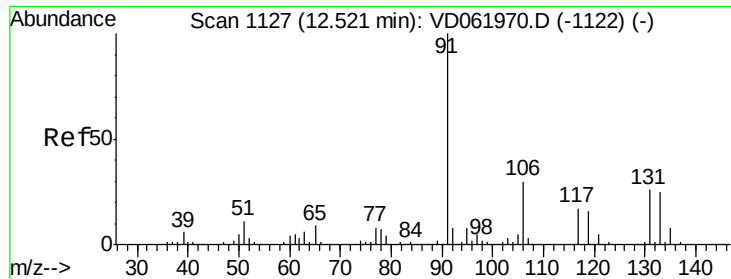
Tot Ion:112 Resp: 712553
Ion Ratio Lower Upper
112 100
114 33.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 52.734 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion:131 Resp: 318121
Ion Ratio Lower Upper
131 100
133 100.3 48.6 145.8
119 68.4 34.7 104.1

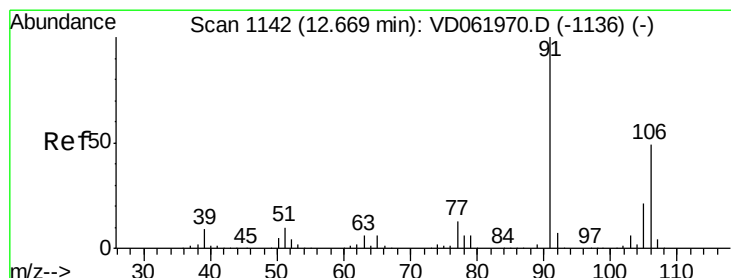
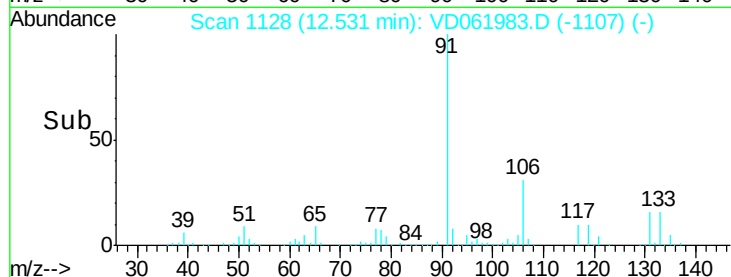
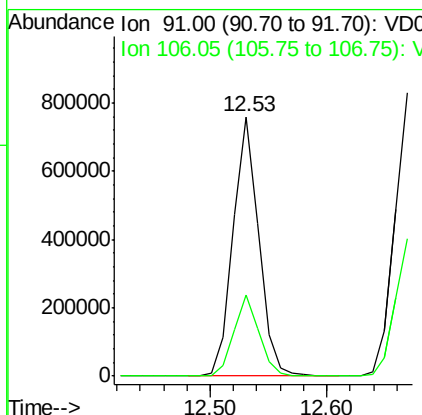
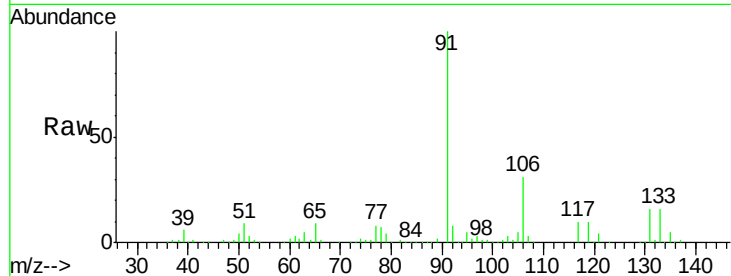




#67
Ethyl Benzene
Concen: 50.077 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

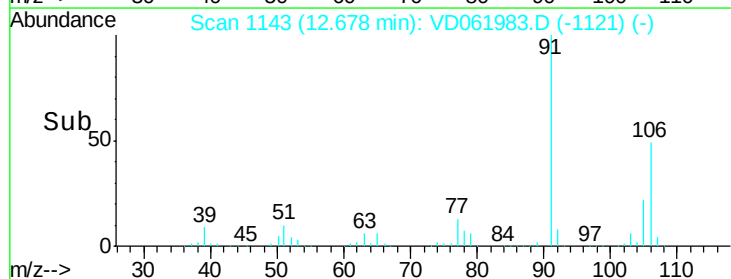
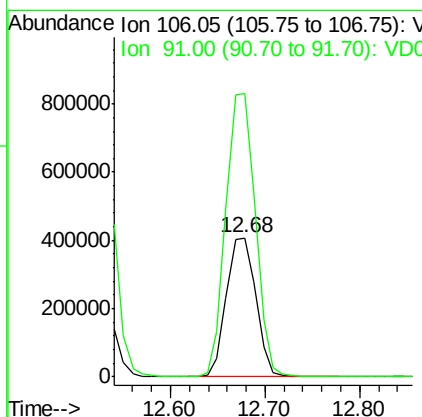
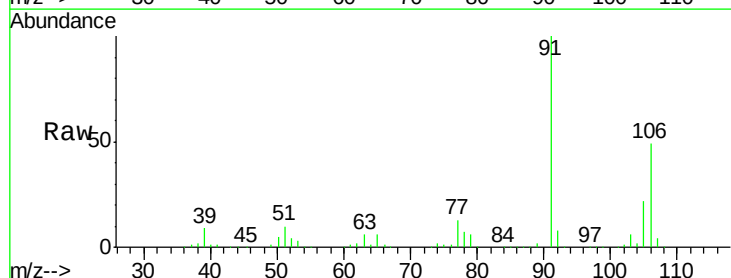
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

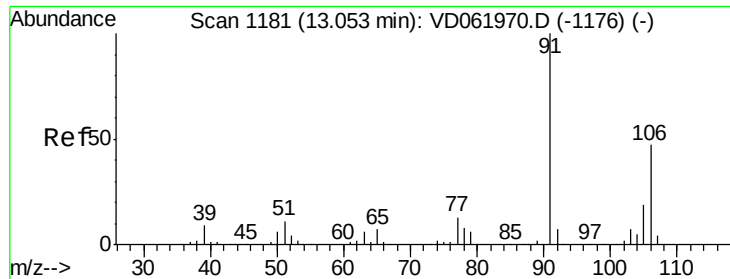
Tot Ion: 91 Resp: 1162424
Ion Ratio Lower Upper
91 100
106 31.1 24.7 37.1



#68
m/p-Xylenes
Concen: 105.011 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion: 106 Resp: 881008
Ion Ratio Lower Upper
106 100
91 203.8 164.0 246.0

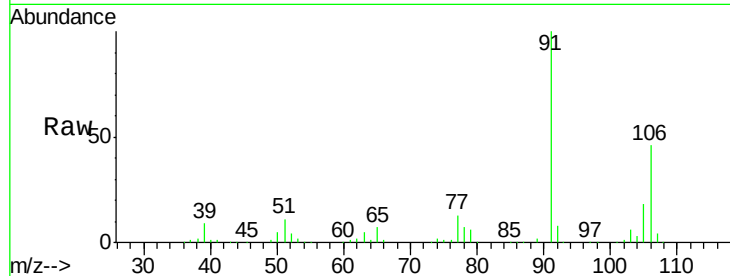




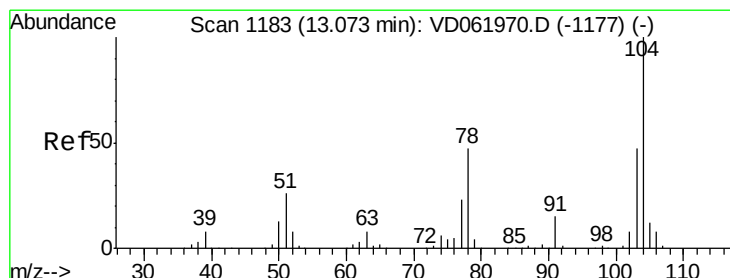
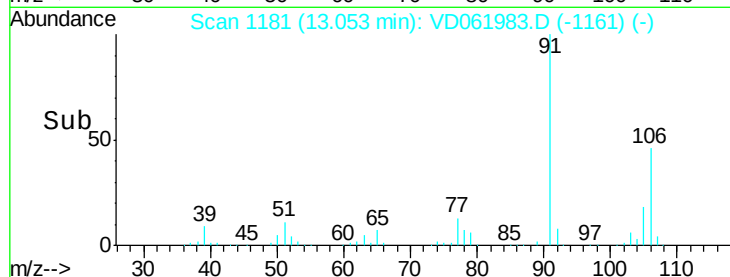
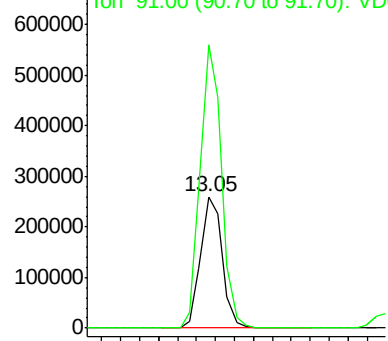
#69
o-Xylene
Concen: 53.547 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion:106 Resp: 411039
Ion Ratio Lower Upper
106 100
91 215.9 106.7 319.9

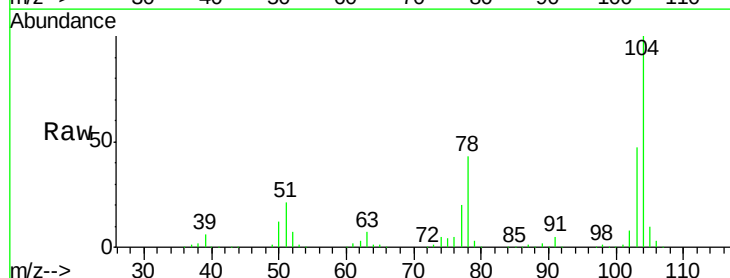


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

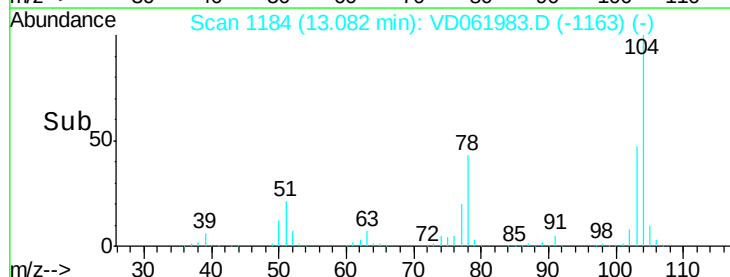
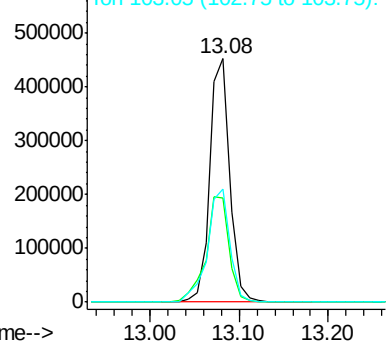


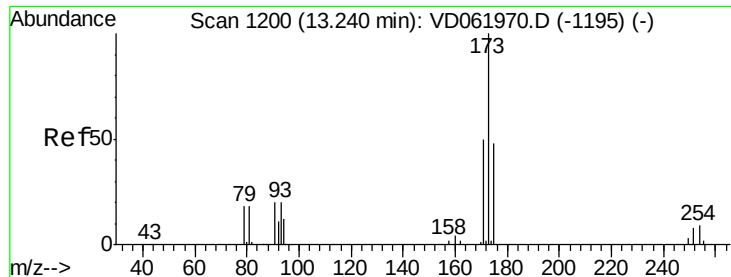
#70
Styrene
Concen: 53.775 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion:104 Resp: 712765
Ion Ratio Lower Upper
104 100
78 42.6 35.4 53.2
103 46.6 37.5 56.3



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





#71

Bromoform

Concen: 59.736 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

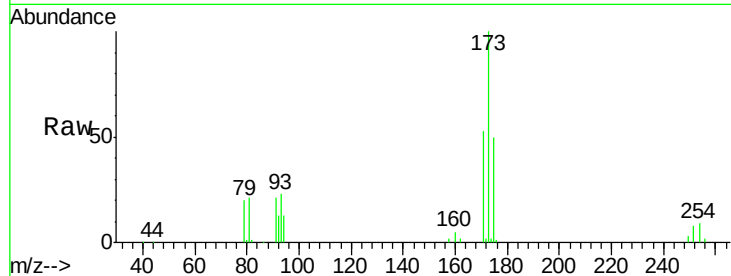
Tot Ion:173 Resp: 205446

Ion Ratio Lower Upper

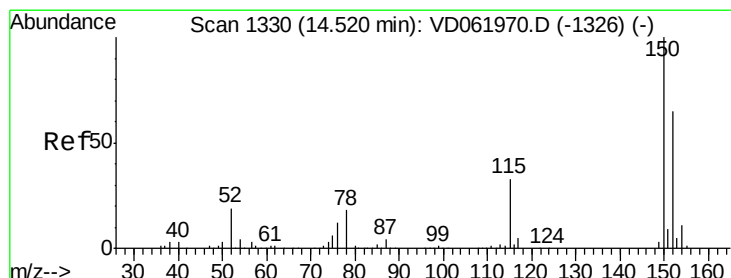
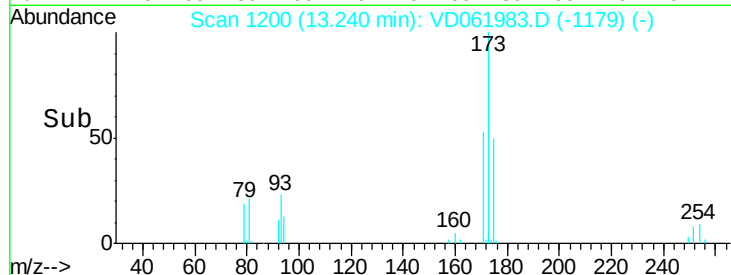
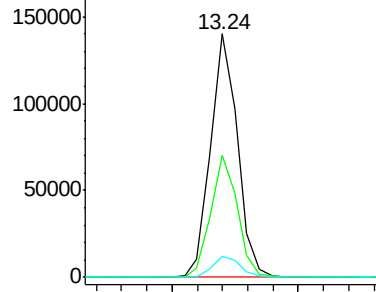
173 100

175 50.3 24.4 73.4

254 8.6 5.4 8.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

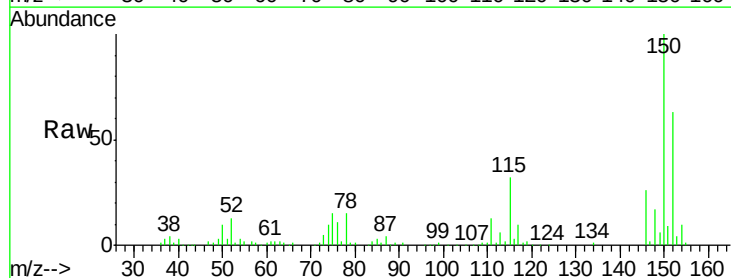
Tgt Ion:152 Resp: 319005

Ion Ratio Lower Upper

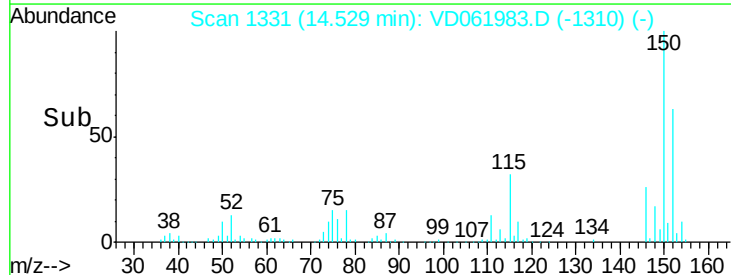
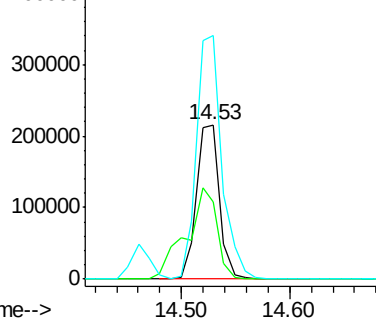
152 100

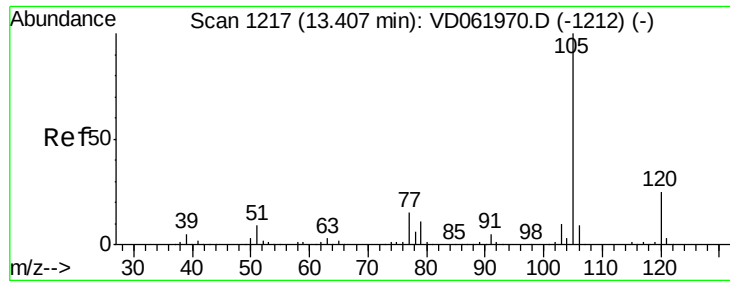
115 50.3 30.9 92.7

150 157.6 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.860 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

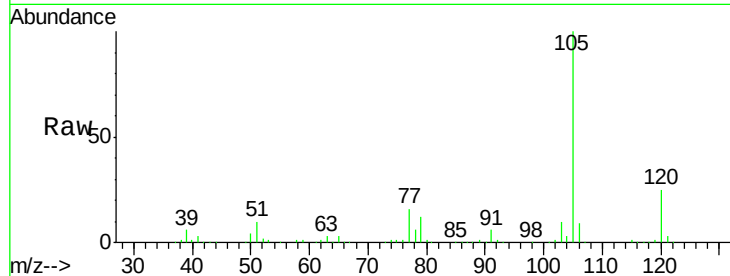
VSTDCCC050

Tot Ion:105 Resp: 1124859

Ion Ratio Lower Upper

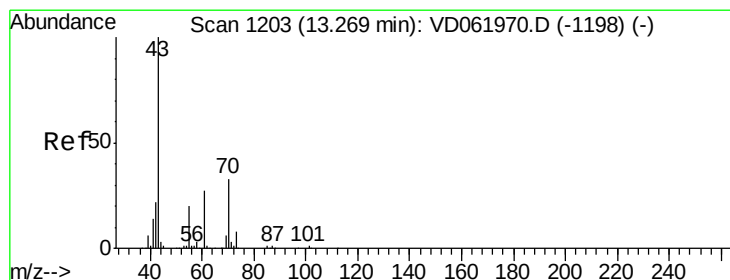
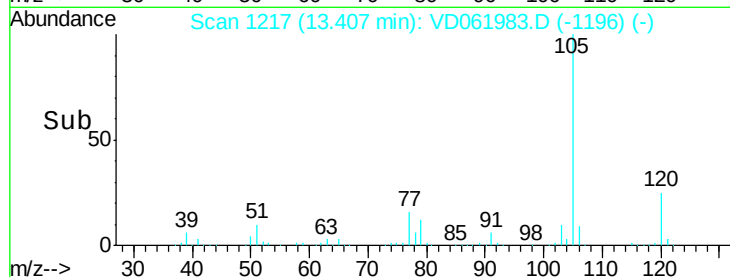
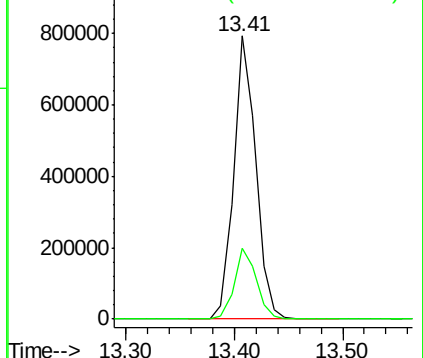
105 100

120 25.1 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 63.637 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Tgt Ion: 43 Resp: 348754

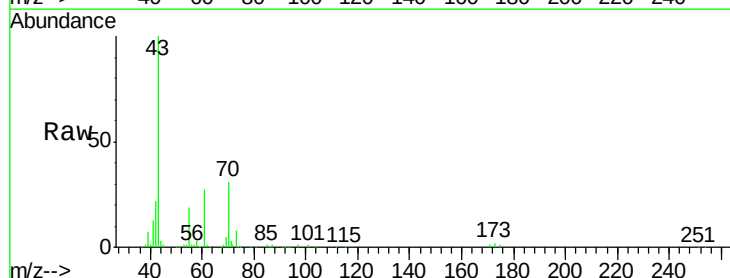
Ion Ratio Lower Upper

43 100

70 31.1 24.2 36.4

55 19.0 16.0 24.0

61 26.9 21.6 32.4

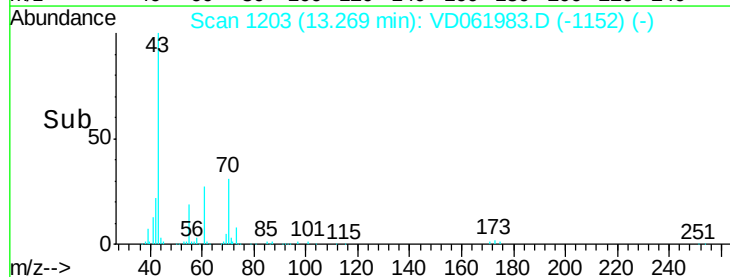
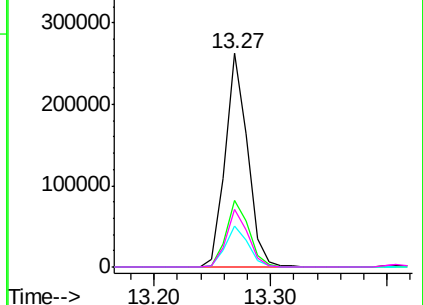


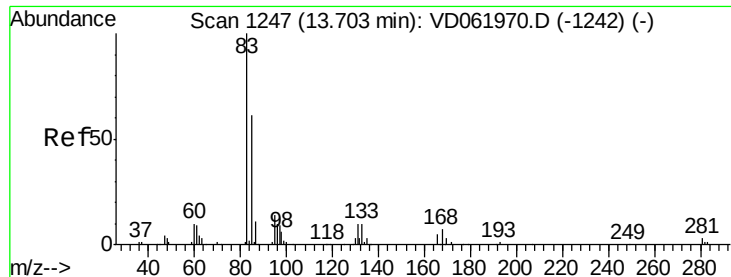
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 63.089 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

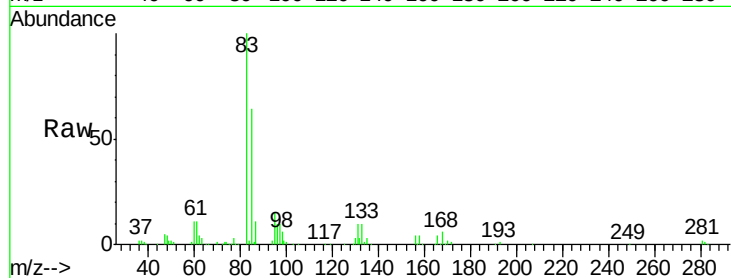
Tot Ion: 83 Resp: 263084

Ion Ratio Lower Upper

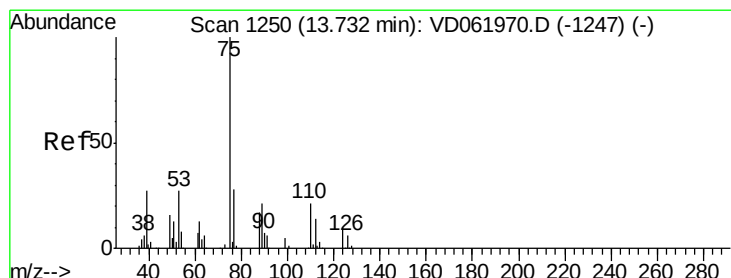
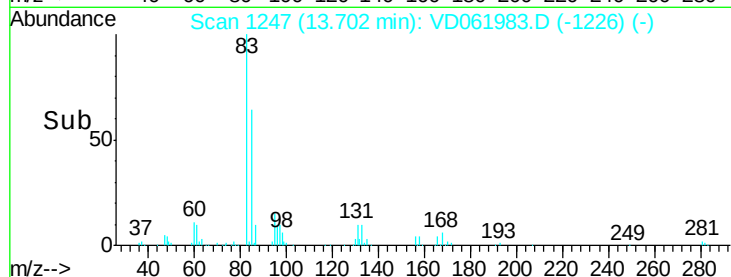
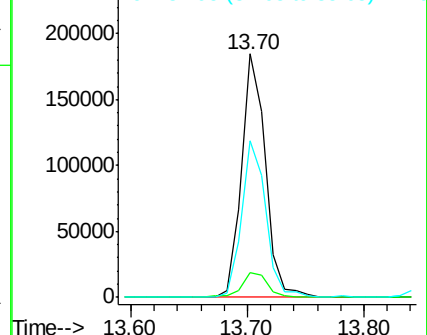
83 100

131 10.4 5.0 14.9

85 64.4 32.6 97.7



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



#76

1,2,3-Trichloropropane

Concen: 64.816 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061983.D

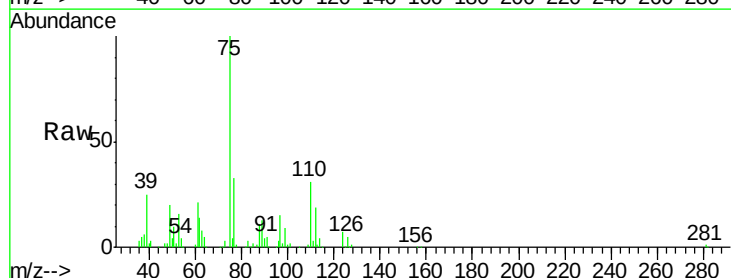
Acq: 23 Apr 2019 23:34

Tgt Ion: 75 Resp: 262563

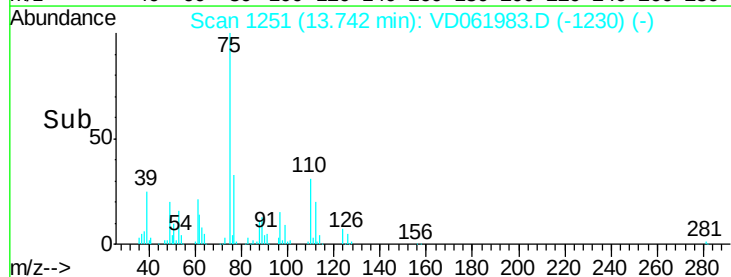
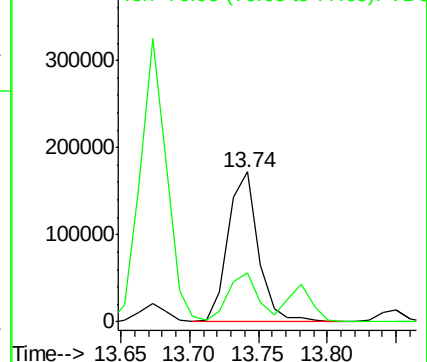
Ion Ratio Lower Upper

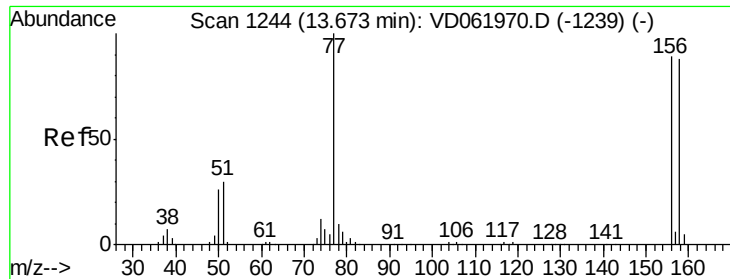
75 100

77 32.5 16.4 49.4



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





#77

Bromobenzene

Concen: 58.648 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

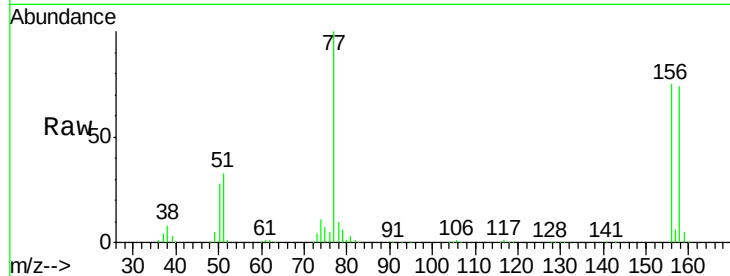
Tot Ion:156 Resp: 358017

Ion Ratio Lower Upper

156 100

77 133.0 53.1 159.4

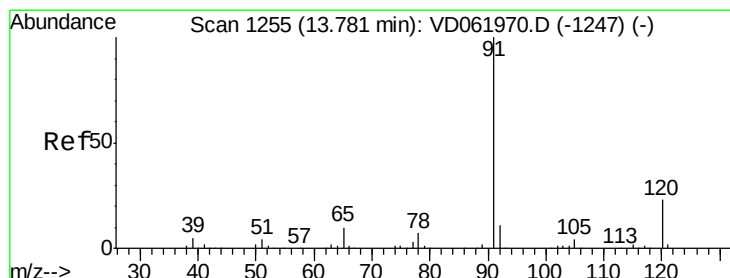
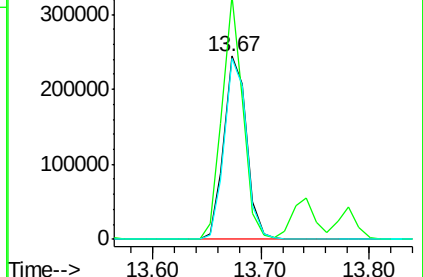
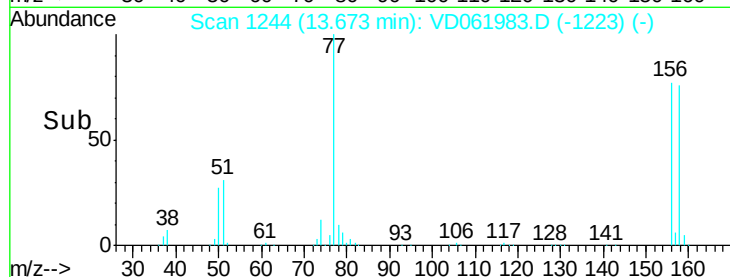
158 98.7 49.4 148.0



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: 58.470 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061983.D

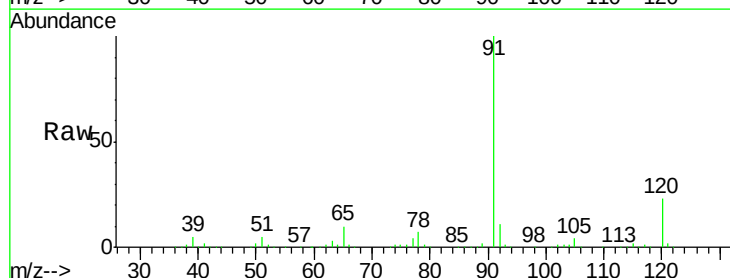
Acq: 23 Apr 2019 23:34

Tgt Ion: 91 Resp: 1424362

Ion Ratio Lower Upper

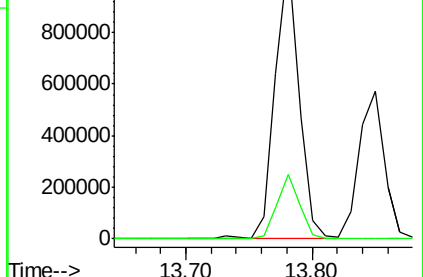
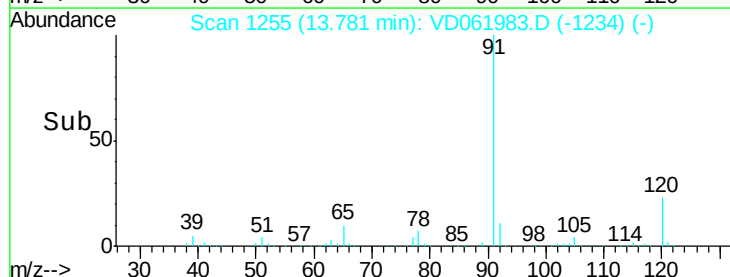
91 100

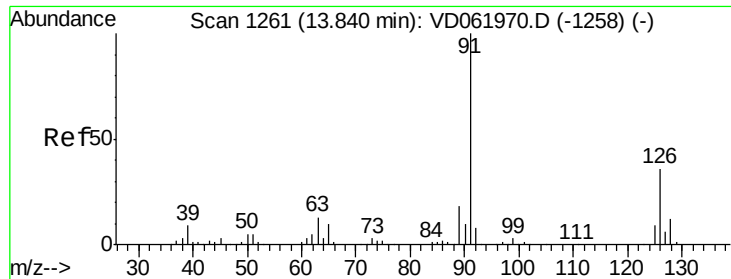
120 23.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

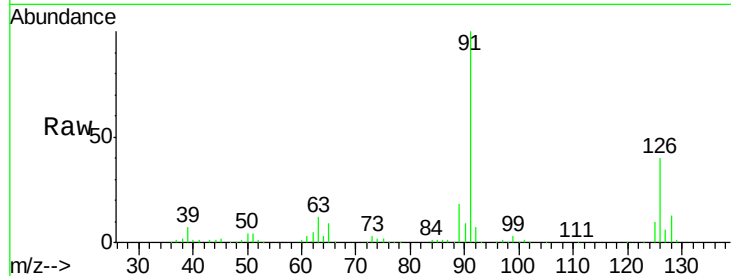




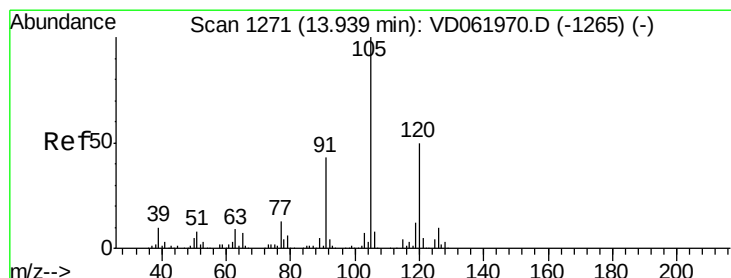
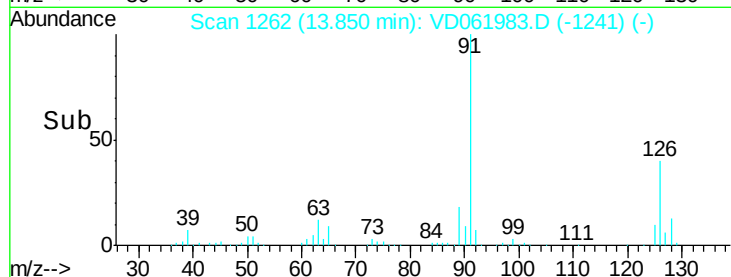
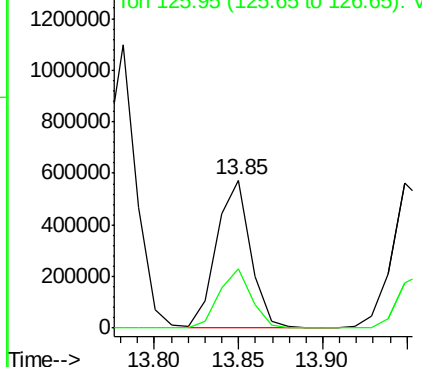
#79
 2-Chlorotoluene
 Concen: 54.272 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 800802
 Ion Ratio Lower Upper
 91 100
 126 40.0 18.6 55.8

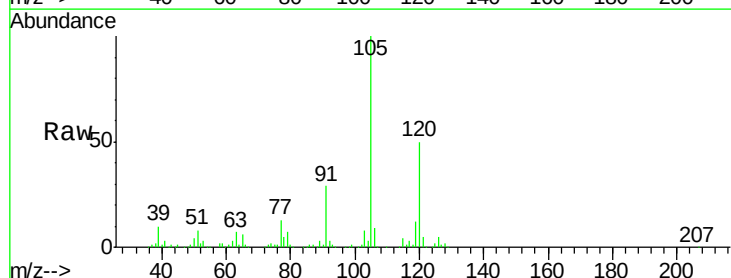


Abundance Ion 91.00 (90.70 to 91.70): VD061970.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD061970.D (-1258) (-)

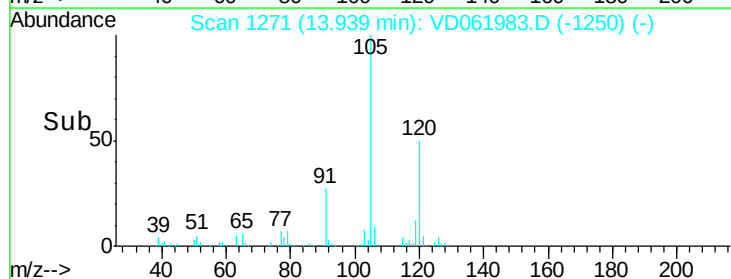
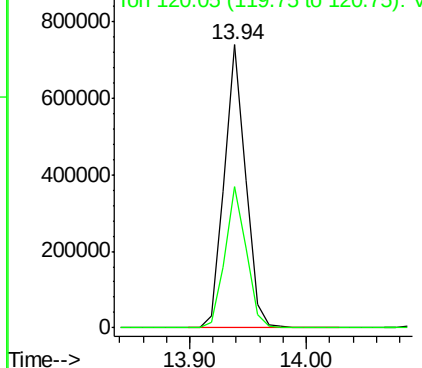


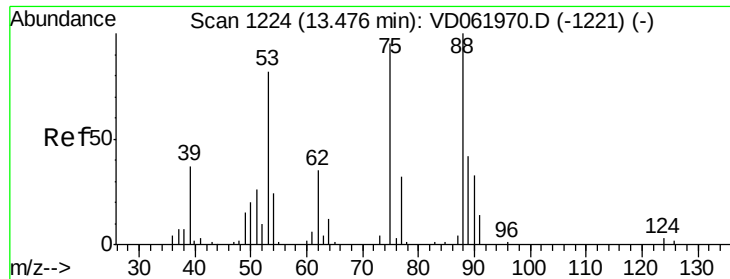
#80
 1,3,5-Trimethylbenzene
 Concen: 55.243 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Tgt Ion: 105 Resp: 937358
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061970.D (-1265) (-)
 Ion 120.05 (119.75 to 120.75): VD061970.D (-1265) (-)

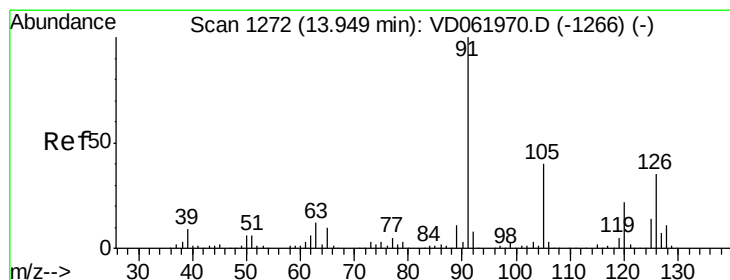
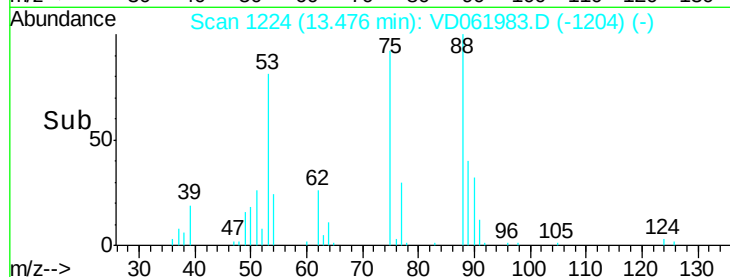
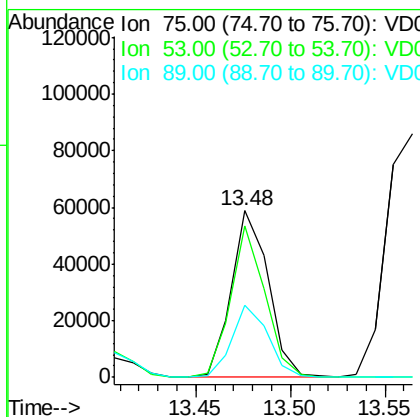
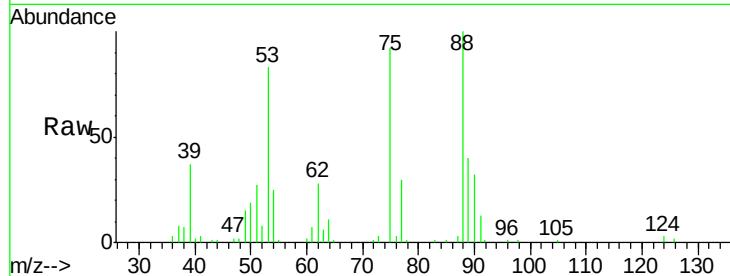




#81
trans-1,4-Dichloro-2-butene
Concen: 64.618 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

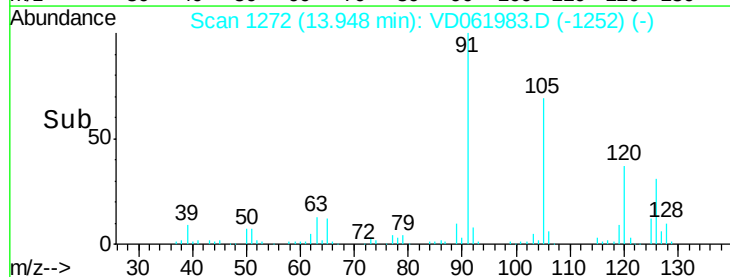
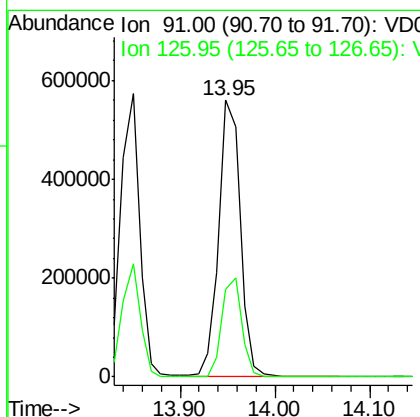
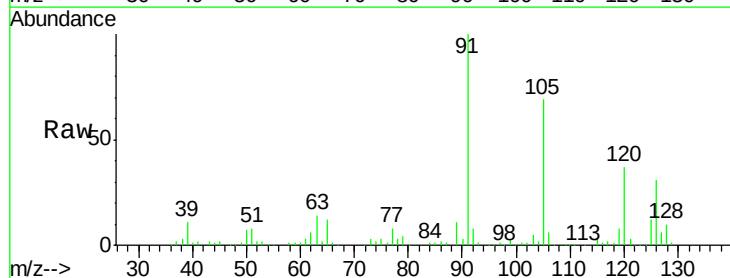
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

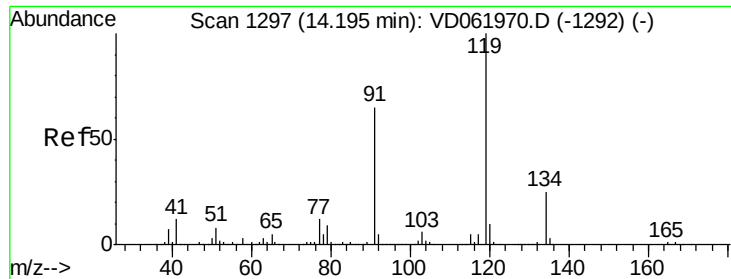
Tot Ion: 75 Resp: 79324
Ion Ratio Lower Upper
75 100
53 91.0 65.8 98.8
89 43.5 35.0 52.6



#82
4-Chlorotoluene
Concen: 54.441 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion: 91 Resp: 884659
Ion Ratio Lower Upper
91 100
126 31.5 19.1 57.5

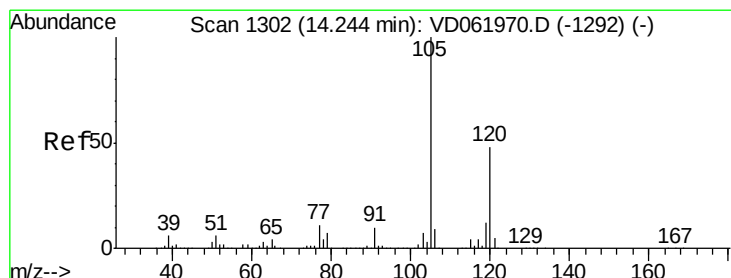
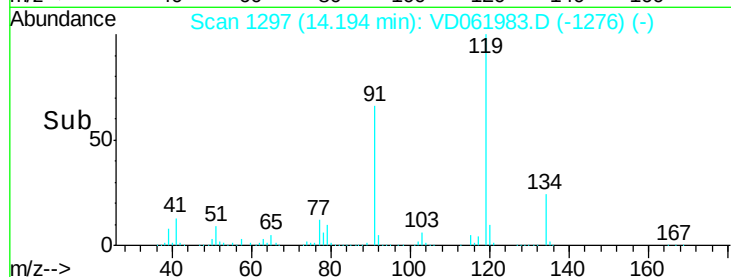
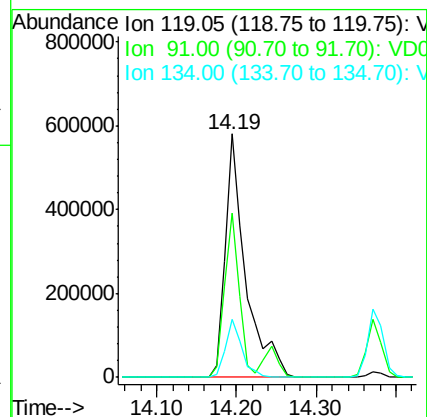
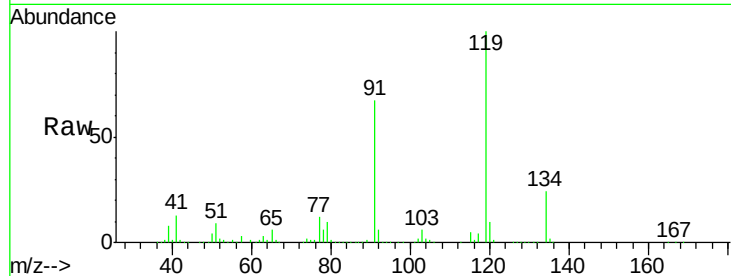




#83
 tert-Butylbenzene
 Concen: 53.280 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

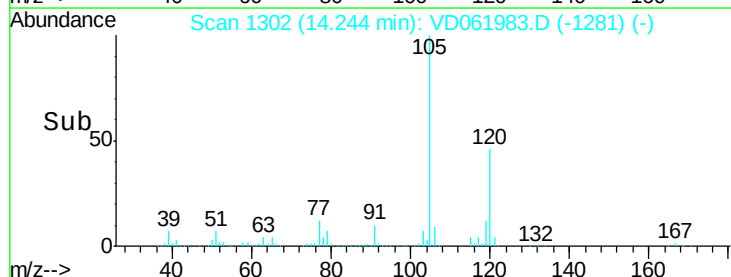
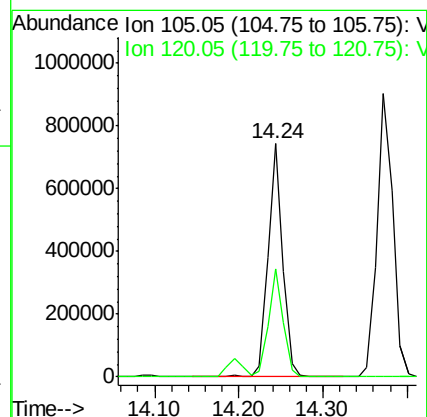
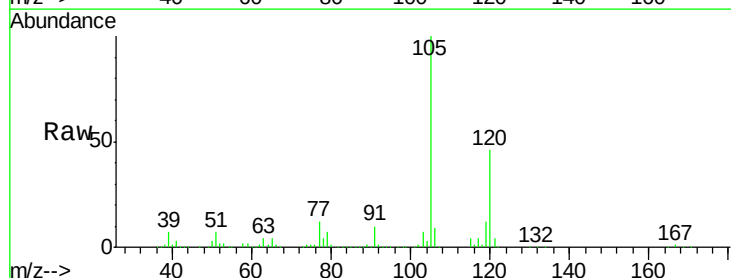
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

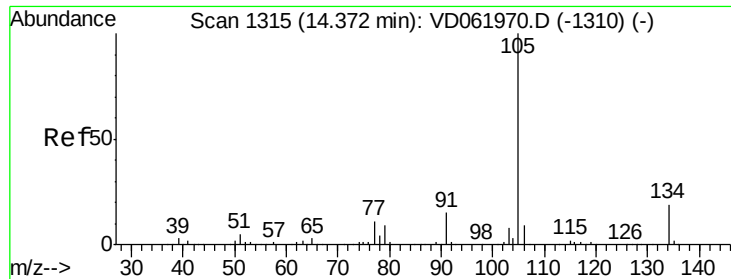
Tot Ion:119 Resp: 1047285
 Ion Ratio Lower Upper
 119 100
 91 67.3 34.2 102.6
 134 23.6 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 56.678 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Tgt Ion:105 Resp: 918267
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.1 69.2





#85

sec-Butylbenzene

Concen: 55.214 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

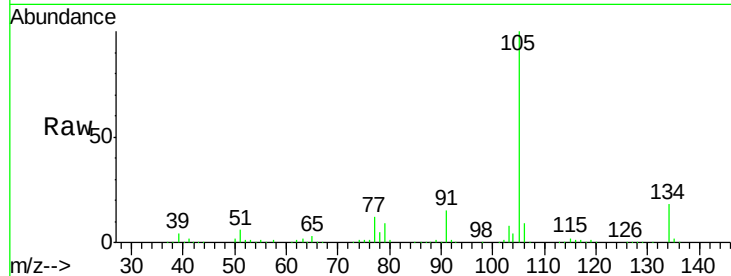
VSTDCCC050

Tot Ion:105 Resp: 1172659

Ion Ratio Lower Upper

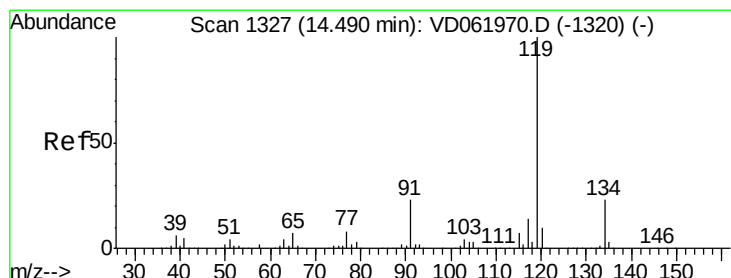
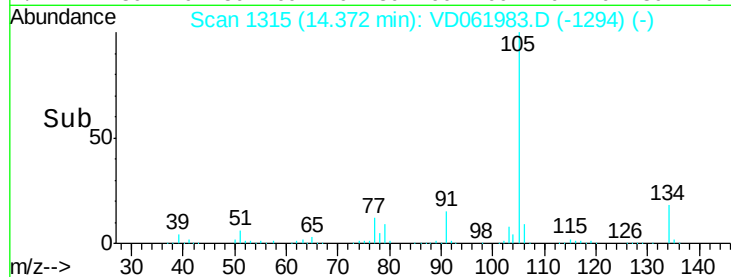
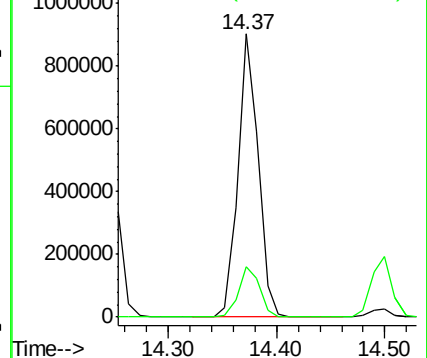
105 100

134 17.9 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 53.848 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

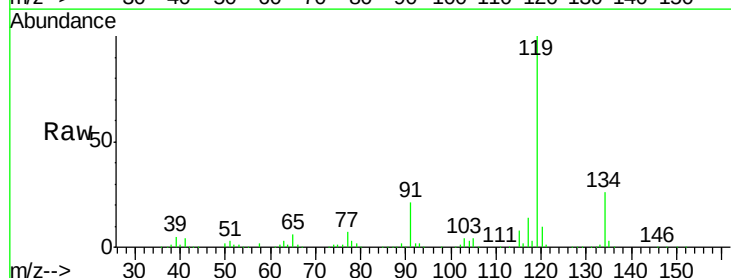
Tgt Ion:119 Resp: 1023540

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

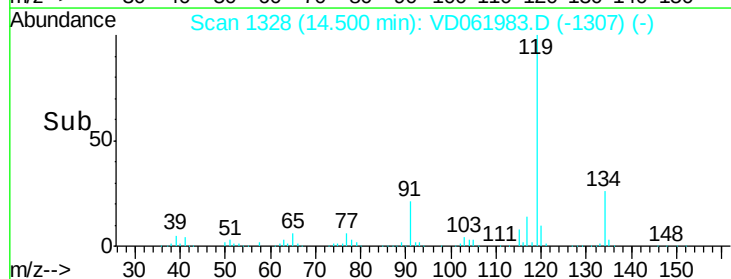
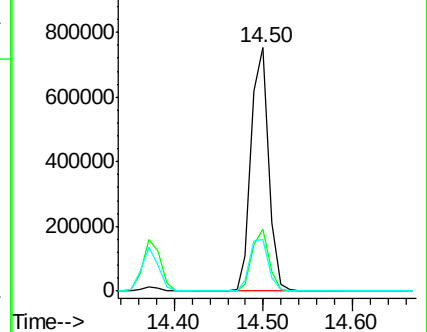
91 21.3 10.7 32.1

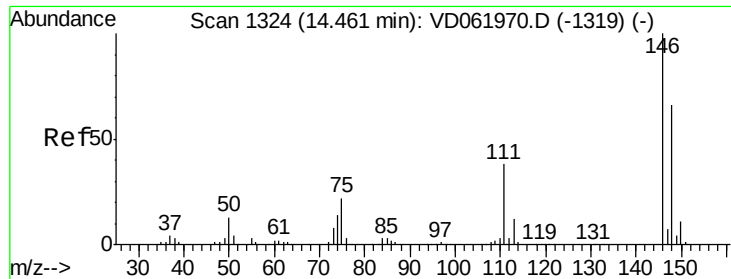


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

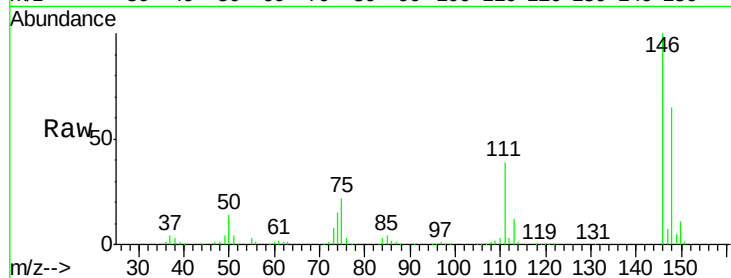




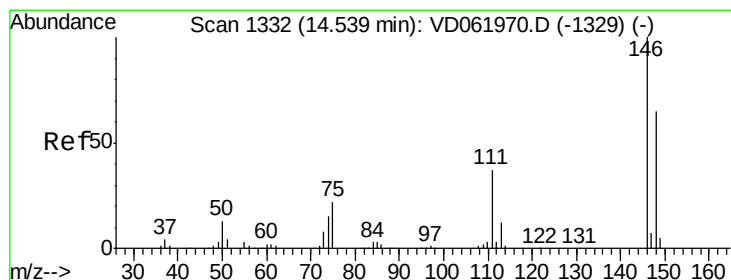
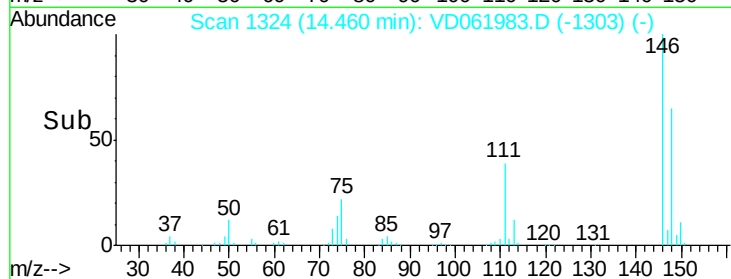
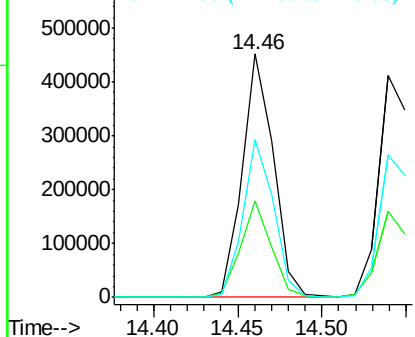
#87
 1,3-Dichlorobenzene
 Concen: 54.360 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 581116
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.0 60.0
 148 65.1 31.8 95.4

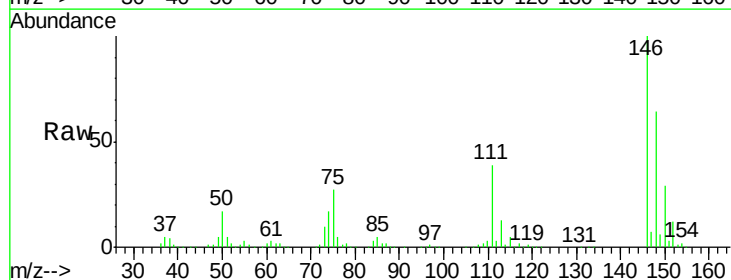


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

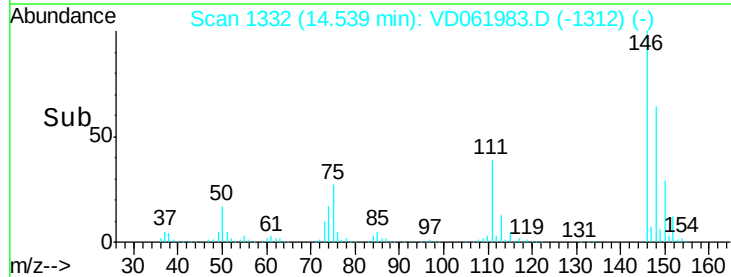
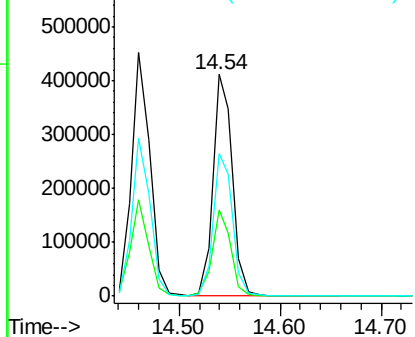


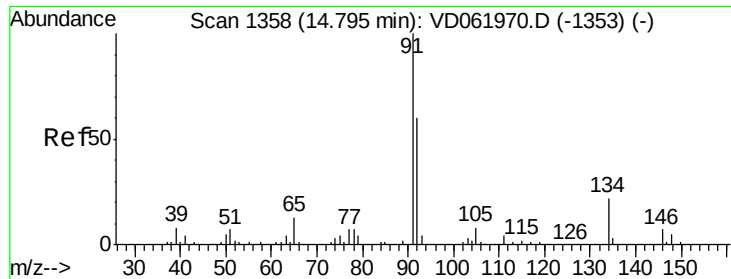
#88
 1,4-Dichlorobenzene
 Concen: 55.344 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Tgt Ion:146 Resp: 553293
 Ion Ratio Lower Upper
 146 100
 111 38.8 20.2 60.5
 148 64.0 32.0 96.2



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

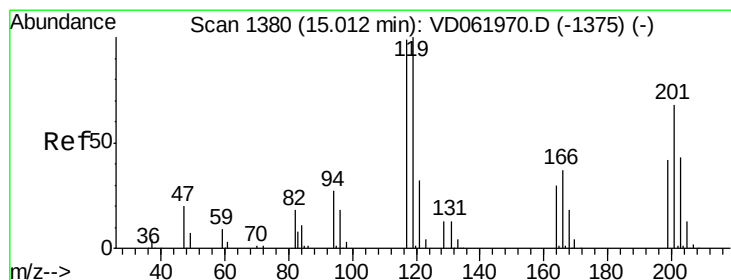
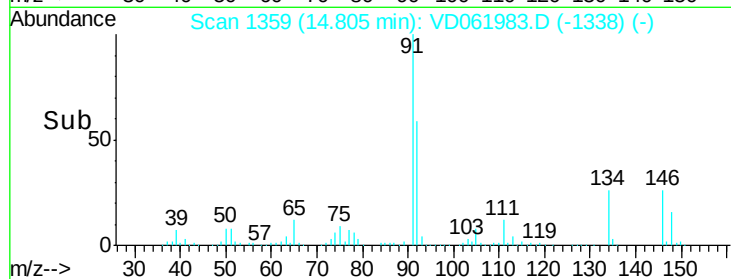
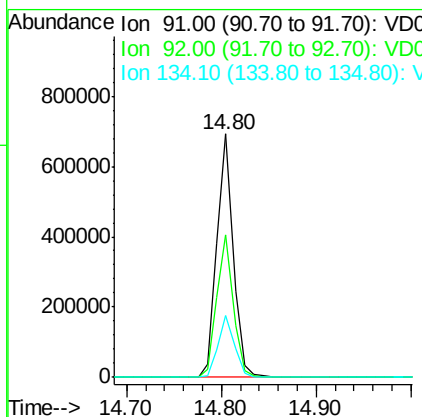
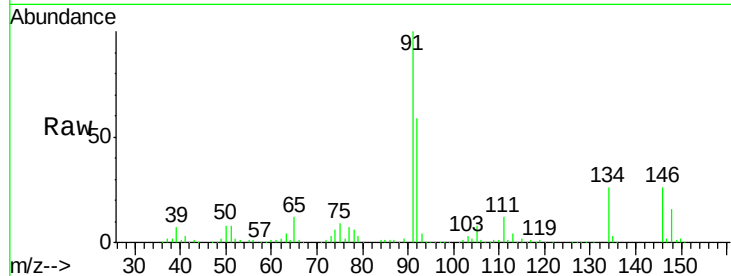




#89
n-Butylbenzene
Concen: 48.950 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

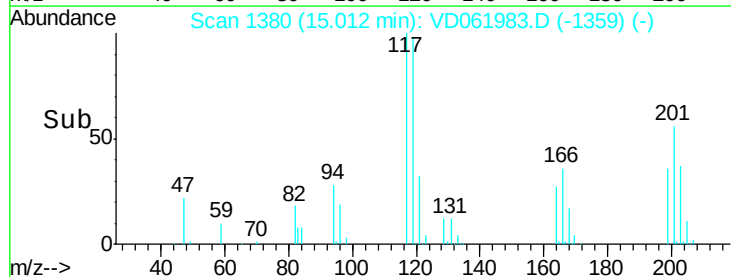
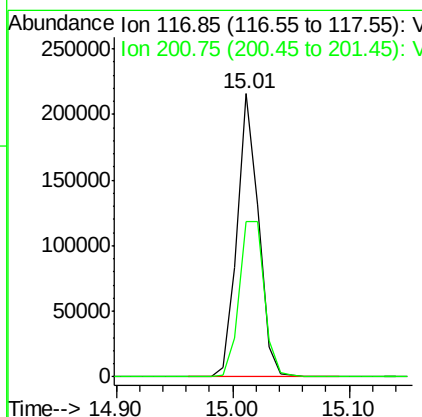
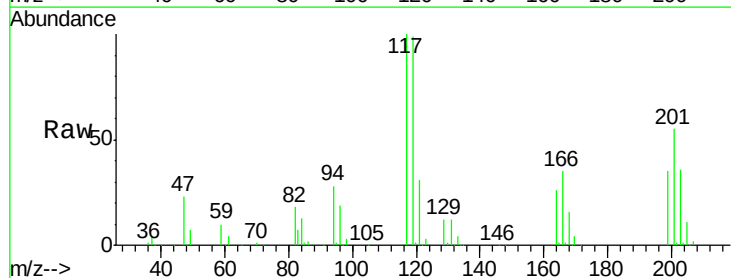
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

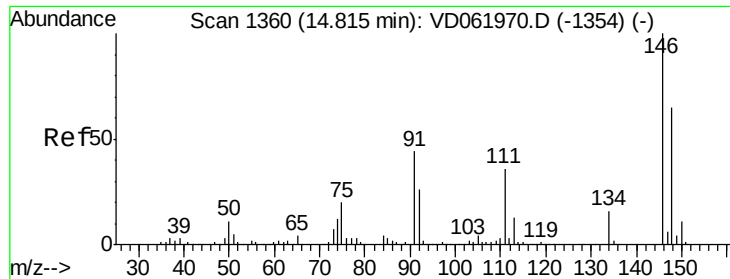
Tot Ion: 91 Resp: 835337
Ion Ratio Lower Upper
91 100
92 58.8 30.3 91.0
134 25.6 14.5 43.6



#90
Hexachloroethane
Concen: 53.402 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion: 117 Resp: 274479
Ion Ratio Lower Upper
117 100
201 54.8 30.2 90.6

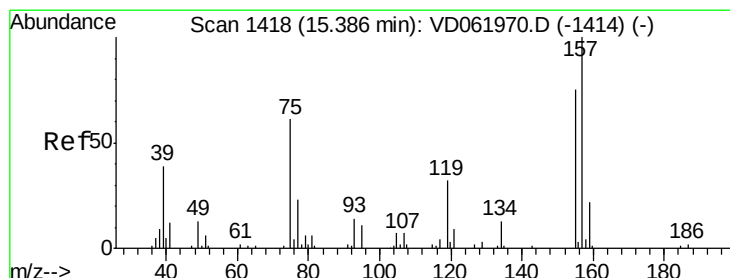
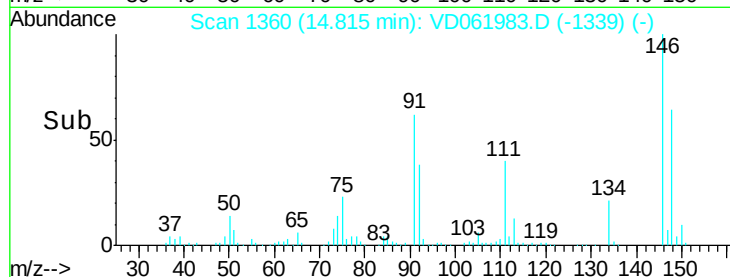
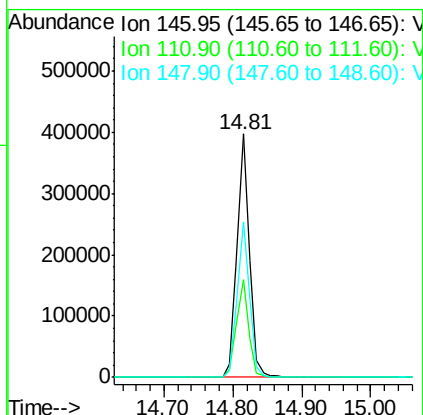
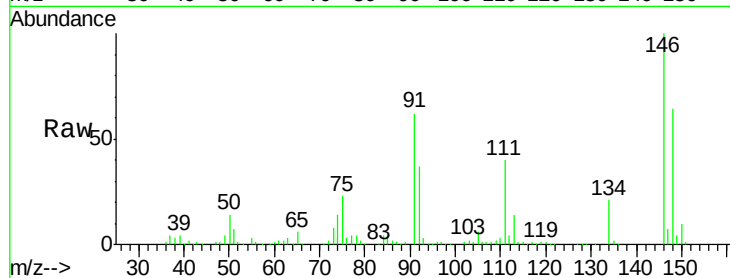




#91
 1,2-Dichlorobenzene
 Concen: 55.562 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

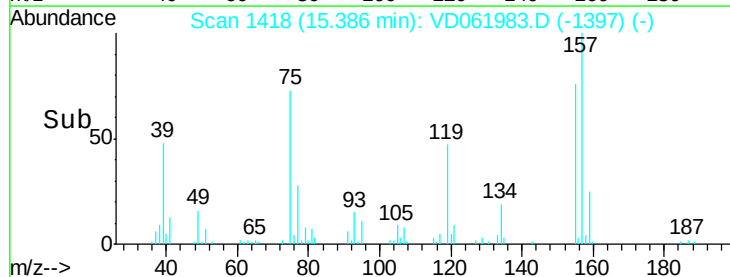
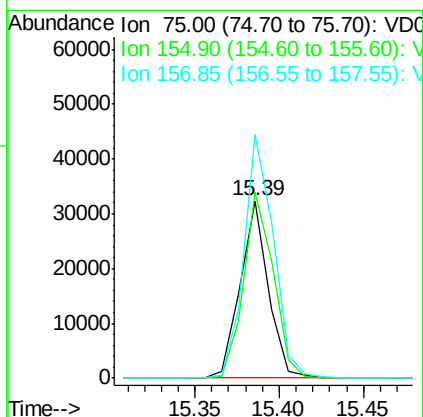
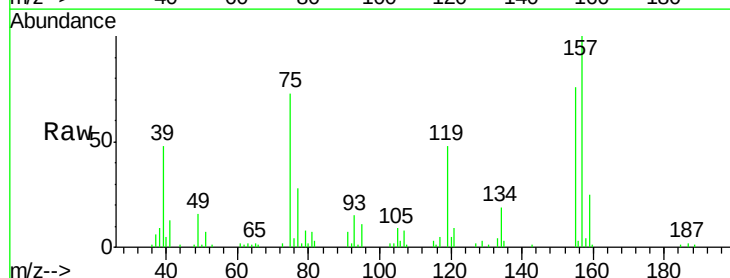
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

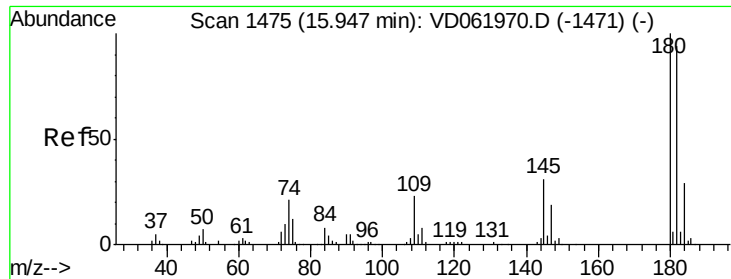
Tot Ion:146 Resp: 489951
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 59.9
 148 63.8 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.946 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Tgt Ion: 75 Resp: 37274
 Ion Ratio Lower Upper
 75 100
 155 104.5 55.3 165.8
 157 137.1 67.8 203.2

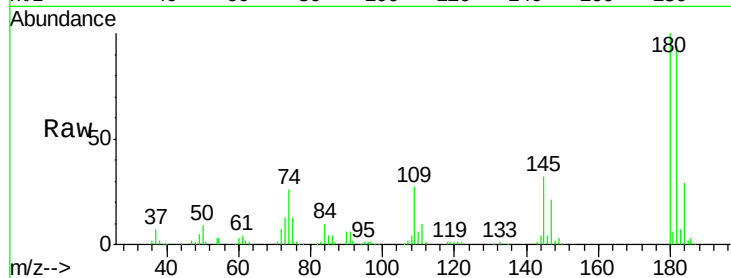




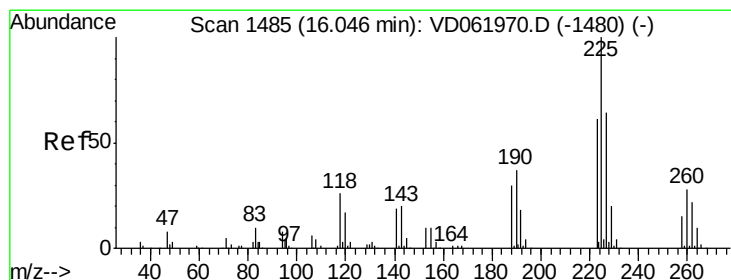
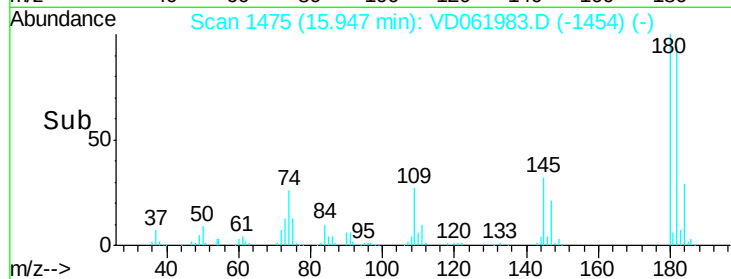
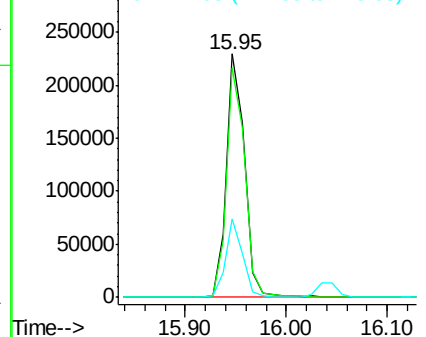
#93
 1,2,4-Trichlorobenzene
 Concen: 61.023 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	49.3	147.8
145	32.3	16.2	48.6

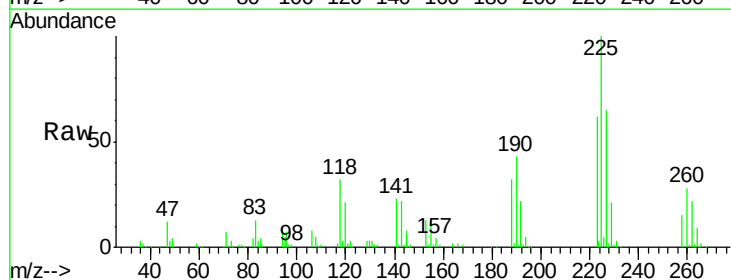


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

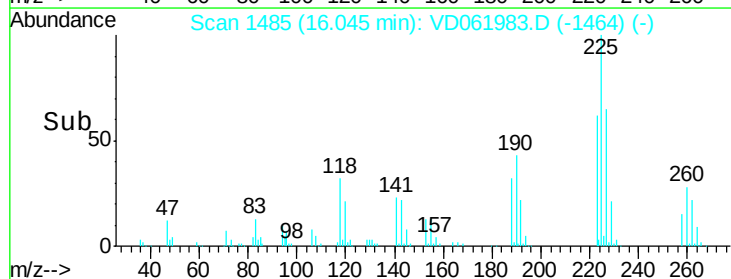
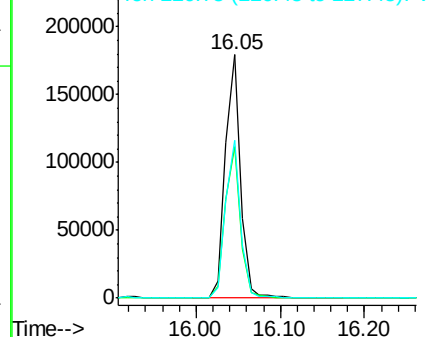


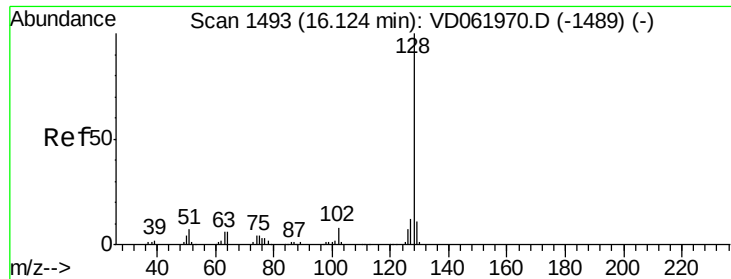
#94
 Hexachlorobutadiene
 Concen: 63.972 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	30.6	92.0
227	64.6	32.0	96.2



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

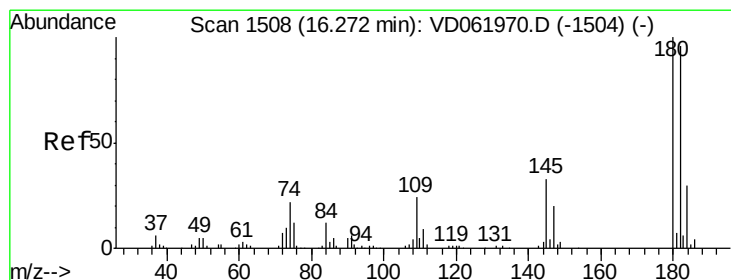
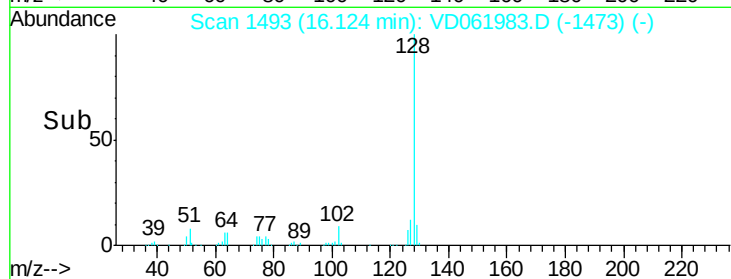
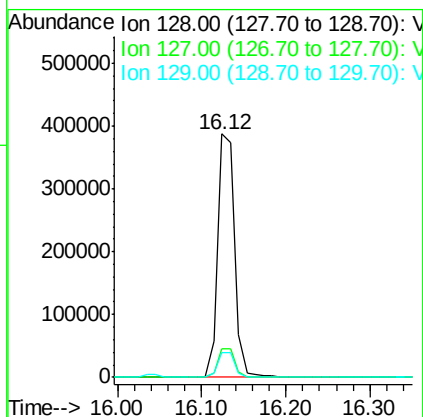
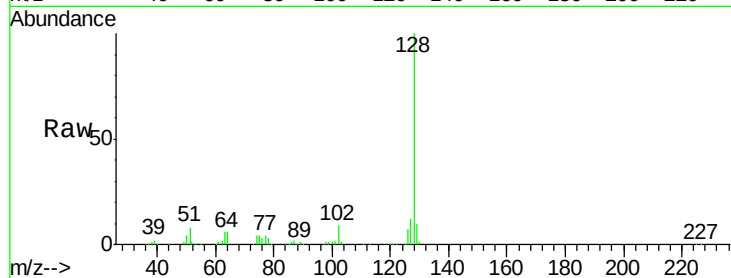




#95
Naphthalene
Concen: 70.410 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 540902
Ion Ratio Lower Upper
128 100
127 12.0 9.8 14.8
129 10.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 75.368 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion:180 Resp: 203462
Ion Ratio Lower Upper
180 100
182 92.5 47.0 141.0
145 33.4 17.0 51.0

