

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
 Data File : VD061826.D
 Acq On : 17 Apr 2019 00:56
 Operator : VA/AP
 Sample : VD0416SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 17 01:36:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	598670	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.22	114	961674	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.37	117	844033	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.52	152	392457	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	285247	56.85	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	113.70%	
35) Dibromofluoromethane	6.92	113	413748	56.95	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	113.90%	
50) Toluene-d8	10.41	98	948134	55.08	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	110.16%	
62) 4-Bromofluorobenzene	13.56	95	392970	56.32	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	83640	14.314	ug/l	97
3) Chloromethane	1.76	50	81266	17.451	ug/l	96
4) Vinyl Chloride	1.85	62	74218	16.059	ug/l	98
5) Bromomethane	2.15	94	15115	11.800	ug/l	93
6) Chloroethane	2.27	64	23973	15.205	ug/l #	88
7) Trichlorofluoromethane	2.53	101	120496	16.076	ug/l	100
8) Diethyl Ether	2.88	74	38421	19.559	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.15	101	114151	17.080	ug/l	99
10) Methyl Iodide	3.31	142	153669	16.905	ug/l	96
11) Tert butyl alcohol	4.08	59	31248	105.607	ug/l	99
12) 1,1-Dichloroethene	3.13	96	97878	17.420	ug/l	90
13) Acrolein	3.04	56	32905	114.873	ug/l	95
14) Allyl chloride	3.63	41	132364	17.283	ug/l	95
15) Acrylonitrile	4.20	53	87767	94.484	ug/l	89
16) Acetone	3.22	43	101158	81.803	ug/l	97
17) Carbon Disulfide	3.38	76	276583	15.235	ug/l	100
18) Methyl Acetate	3.65	43	49560	19.996	ug/l	94
19) Methyl tert-butyl Ether	4.24	73	194655	18.564	ug/l	99
20) Methylene Chloride	3.82	84	142680	20.507	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	105969	17.161	ug/l	99
22) Diisopropyl ether	5.12	45	310389	18.960	ug/l	99
23) Vinyl Acetate	5.06	43	830668	94.920	ug/l	99
24) 1,1-Dichloroethane	4.99	63	181666	18.303	ug/l	99
25) 2-Butanone	6.07	43	130735	92.862	ug/l	98
26) 2,2-Dichloropropane	6.03	77	146751	17.106	ug/l	96
27) cis-1,2-Dichloroethene	6.04	96	134396	20.078	ug/l	87
28) Bromochloromethane	6.44	49	81996	21.749	ug/l	94
29) Tetrahydrofuran	6.46	42	67272	98.096	ug/l	99
30) Chloroform	6.67	83	195871	17.693	ug/l	100
31) Cyclohexane	6.96	56	123874	16.303	ug/l	96
32) 1,1,1-Trichloroethane	6.88	97	174736	17.805	ug/l	99
36) 1,1-Dichloropropene	7.15	75	137080	17.444	ug/l	94
37) Ethyl Acetate	6.19	43	65060	19.344	ug/l	99
38) Carbon Tetrachloride	7.12	117	162579	16.384	ug/l	96

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	144864	17.752	ug/l	99
40) Benzene	7.46	78	354334	18.781	ug/l	96
41) Methacrylonitrile	6.45	41	81483	20.497	ug/l #	92
42) 1,2-Dichloroethane	7.58	62	125175	19.051	ug/l	97
43) Isopropyl Acetate	9.25	43	88523	18.703	ug/l	95
44) Trichloroethene	8.55	130	129655	17.852	ug/l	99
45) 1,2-Dichloropropane	8.94	63	92249	18.772	ug/l	97
46) Dibromomethane	9.07	93	66532	19.001	ug/l	88
47) Bromodichloromethane	9.38	83	148513	18.384	ug/l	100
48) Methyl methacrylate	9.12	41	51173	18.393	ug/l	96
49) 1,4-Dioxane	9.08	88	12552	412.772	ug/l	94
51) 4-Methyl-2-Pentanone	10.30	43	301474	104.157	ug/l	98
52) Toluene	10.51	92	224702	18.586	ug/l	95
53) t-1,3-Dichloropropene	10.91	75	138626	19.045	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	162947	19.071	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	78331	19.227	ug/l	98
56) Ethyl methacrylate	11.04	69	89555	20.029	ug/l	99
57) 1,3-Dichloropropane	11.41	76	108916	17.783	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	262920	123.626	ug/l	100
59) 2-Hexanone	11.53	43	211517	98.391	ug/l	98
60) Dibromochloromethane	11.69	129	122664	18.402	ug/l	99
61) 1,2-Dibromoethane	11.81	107	93152	18.596	ug/l	99
64) Tetrachloroethene	11.26	164	105884	16.728	ug/l	97
65) Chlorobenzene	12.40	112	306572	19.504	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.52	131	113228	17.189	ug/l	99
67) Ethyl Benzene	12.53	91	414616	16.471	ug/l	100
68) m/p-Xylenes	12.66	106	366600	38.771	ug/l	97
69) o-Xylene	13.05	106	172401	19.398	ug/l	99
70) Styrene	13.08	104	298863	19.541	ug/l	95
71) Bromoform	13.23	173	72206	18.467	ug/l	97
73) Isopropylbenzene	13.40	105	413058	16.229	ug/l	99
74) N-amyl acetate	13.26	43	121473	17.748	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	88731	17.637	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	92950	18.035	ug/l	98
77) Bromobenzene	13.67	156	126371	17.479	ug/l	92
78) n-propylbenzene	13.78	91	544166	18.505	ug/l	98
79) 2-Chlorotoluene	13.85	91	308255	17.944	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	368828	18.263	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	26217	17.973	ug/l	92
82) 4-Chlorotoluene	13.94	91	350957	17.849	ug/l	88
83) tert-Butylbenzene	14.19	119	411502	17.353	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	367446	18.101	ug/l	100
85) sec-Butylbenzene	14.37	105	396677	16.182	ug/l	97
86) p-Isopropyltoluene	14.49	119	426744	18.606	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	234328	18.565	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	223610	17.922	ug/l	100
89) n-Butylbenzene	14.80	91	347697	17.126	ug/l	97
90) Hexachloroethane	15.01	117	107924	17.264	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	193325	18.285	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	12789	21.076	ug/l	93

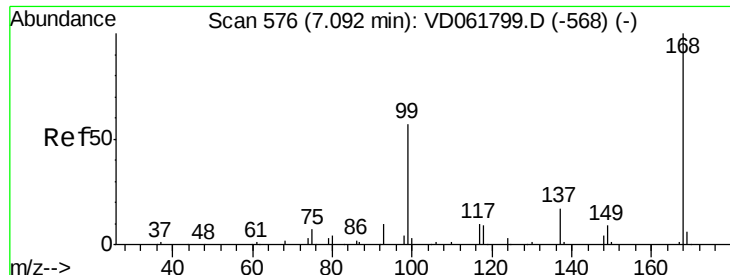
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
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Quant Time: Apr 17 01:36:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:53:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	102264	17.611	ug/l	96
94) Hexachlorobutadiene	16.04	225	77281	18.365	ug/l	98
95) Naphthalene	16.12	128	172402	19.370	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	58998	17.829	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

Instrument :

MSVOA_D

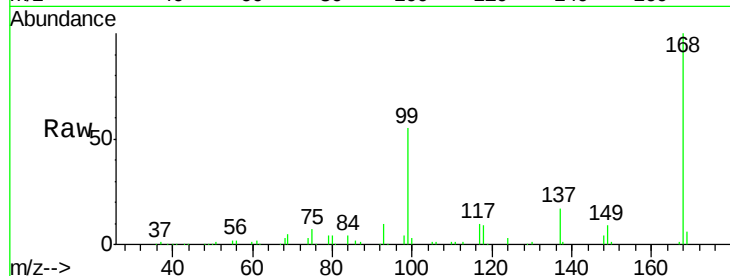
ClientSampleId :

Tot Ion:168 Resp: 598670

Ion Ratio Lower Upper

168 100

99 55.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

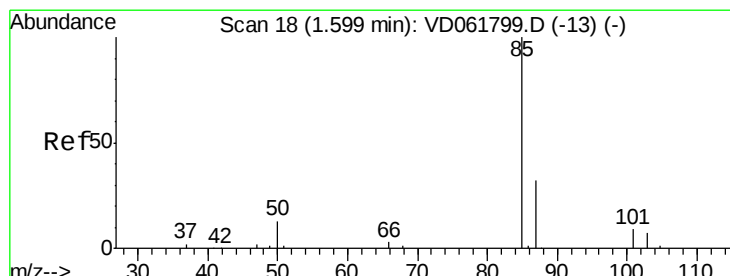
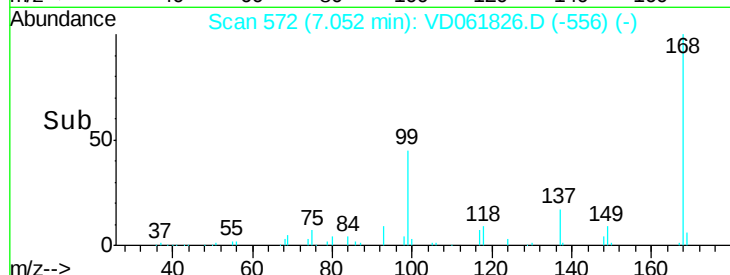
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 14.314 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.02 min

Lab File: VD061826.D

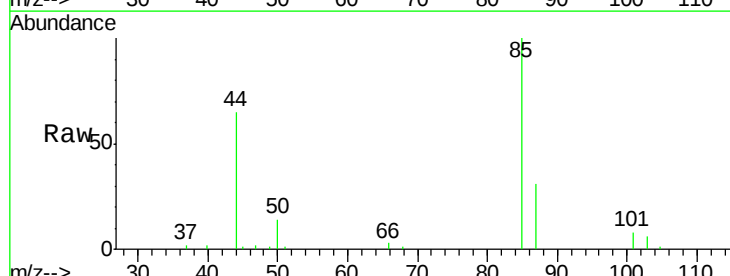
Acq: 17 Apr 2019 00:56

Tgt Ion: 85 Resp: 83640

Ion Ratio Lower Upper

85 100

87 30.7 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

40000

30000

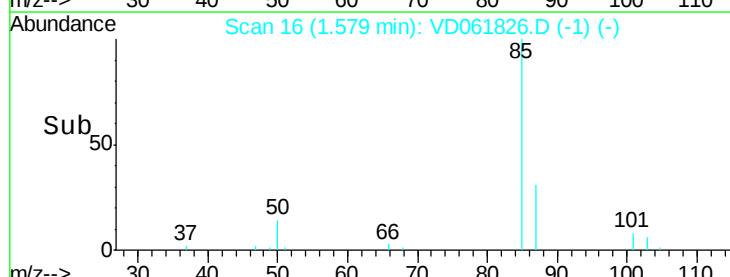
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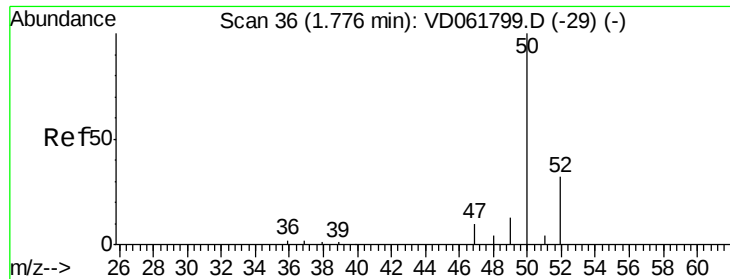
10000

0

1.50 1.60 1.70 1.80

Time-->

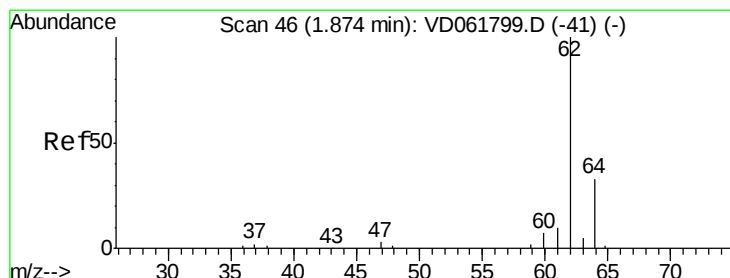
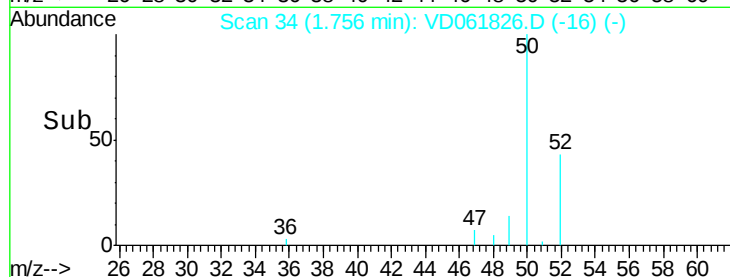
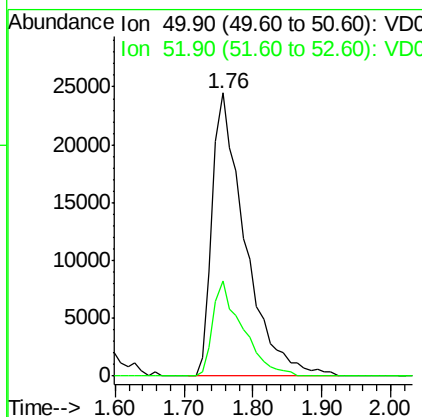
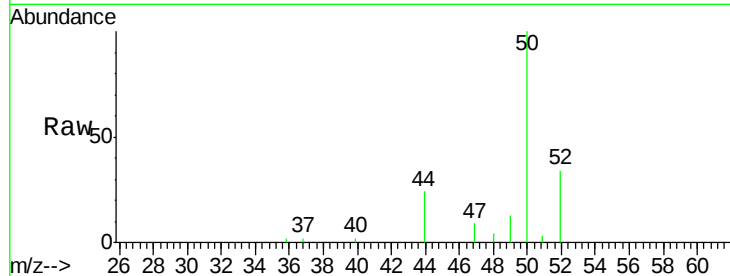




#3
Chloromethane
Concen: 17.451 ug/l
RT: 1.76 min Scan# 34
Delta R.T. -0.02 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

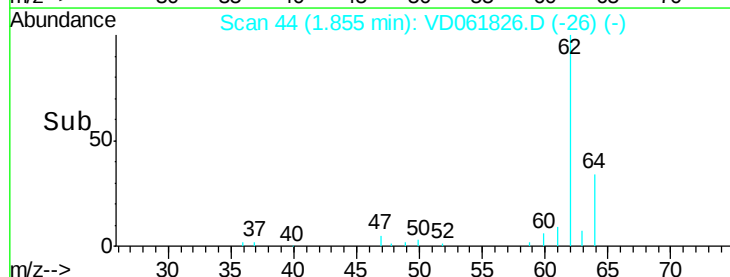
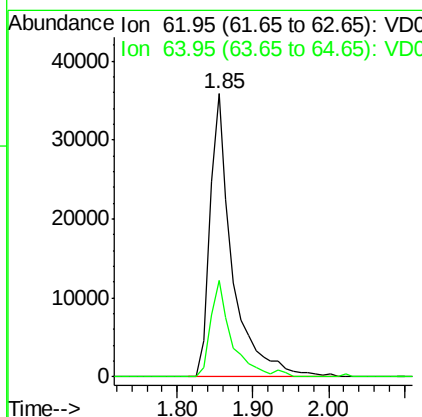
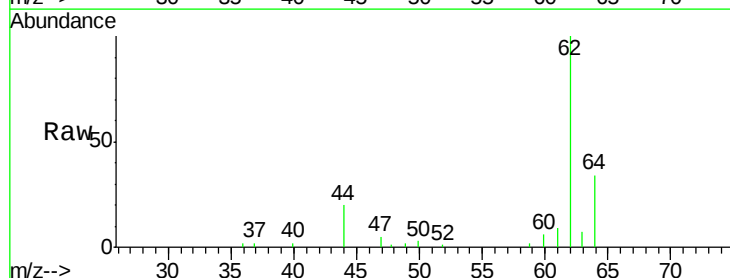
Instrument :
MSVOA_D
ClientSampled :

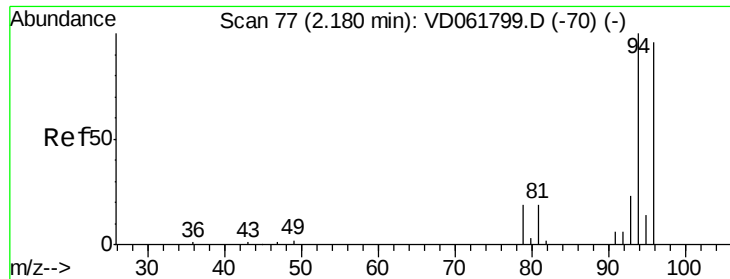
Tot Ion: 50 Resp: 81266
Ion Ratio Lower Upper
50 100
52 33.7 25.2 37.8



#4
Vinyl Chloride
Concen: 16.059 ug/l
RT: 1.85 min Scan# 44
Delta R.T. -0.02 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Tgt Ion: 62 Resp: 74218
Ion Ratio Lower Upper
62 100
64 34.2 26.5 39.7





#5

Bromomethane

Concen: 11.800 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.03 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

Instrument :

MSVOA_D

ClientSampleId :

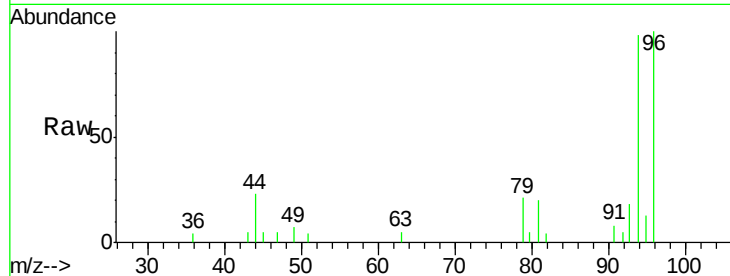
Tot Ion: 94 Resp: 15115

Ion Ratio Lower Upper

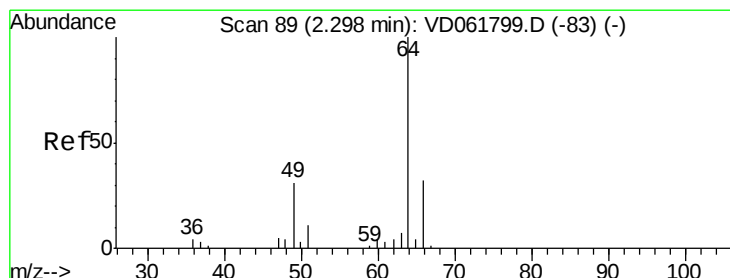
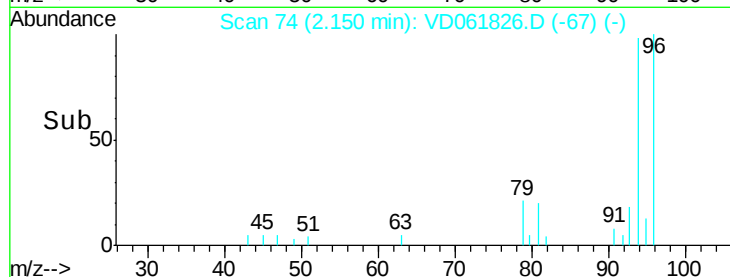
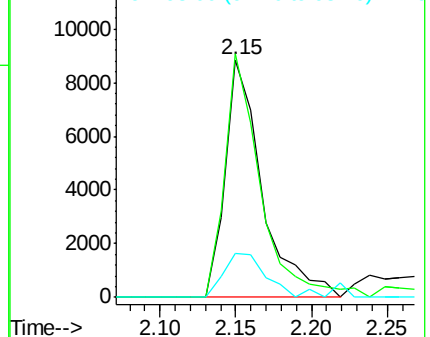
94 100

96 102.4 76.6 115.0

93 18.7 18.5 27.7



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



#6

Chloroethane

Concen: 15.205 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.03 min

Lab File: VD061826.D

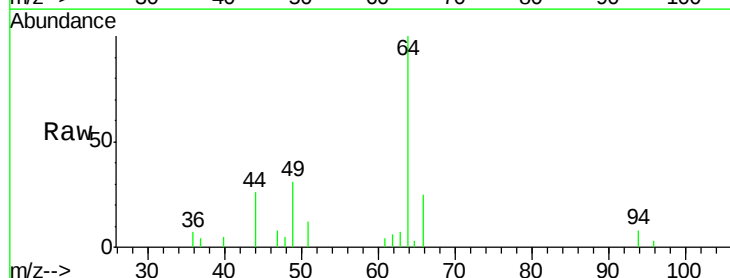
Acq: 17 Apr 2019 00:56

Tgt Ion: 64 Resp: 23973

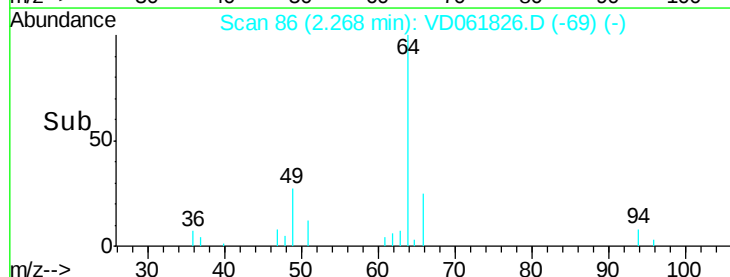
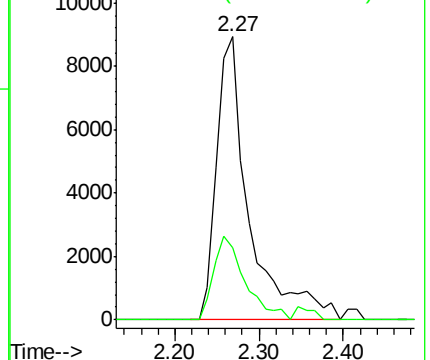
Ion Ratio Lower Upper

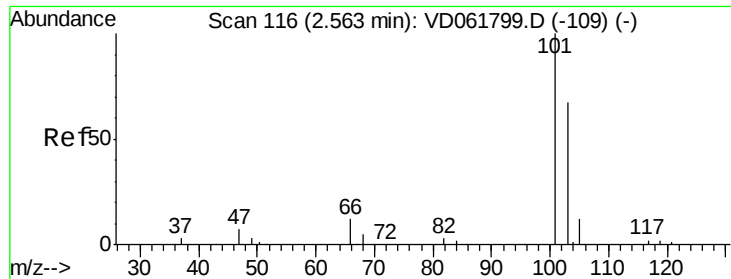
64 100

66 25.4 25.6 38.4#



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



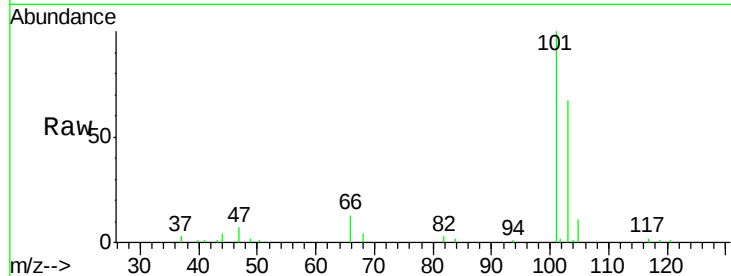


#7

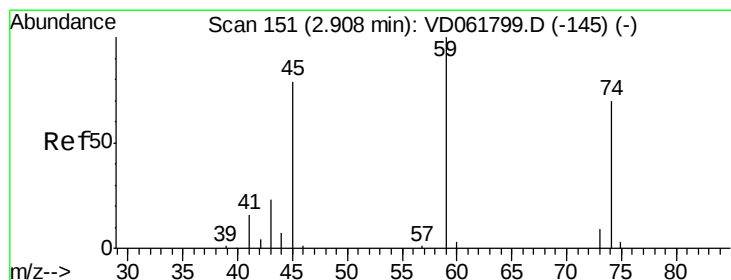
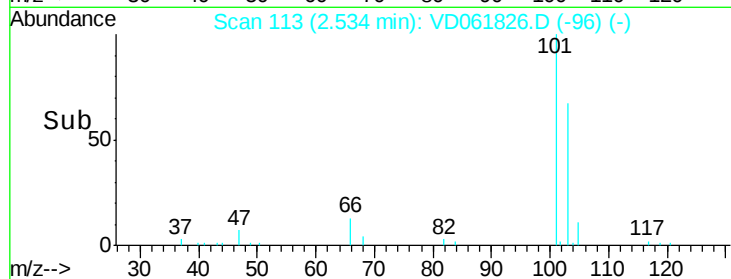
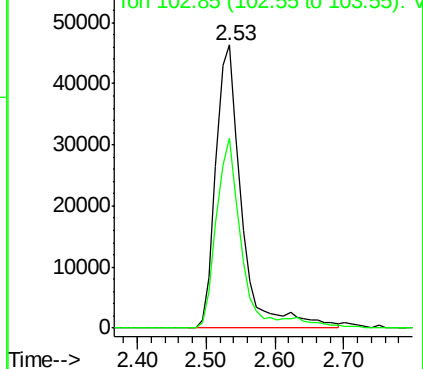
Trichlorofluoromethane
Concen: 16.076 ug/l
RT: 2.53 min Scan# 113
Delta R.T. -0.03 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 120496
Ion Ratio Lower Upper
101 100
103 67.0 53.6 80.4



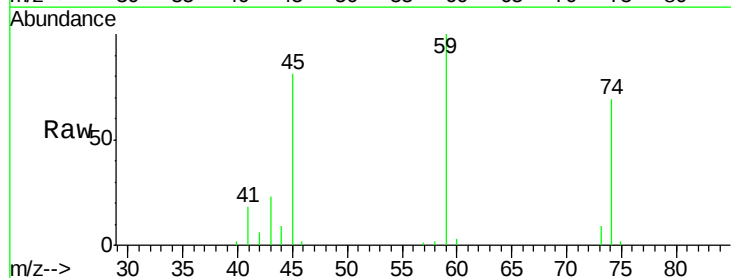
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



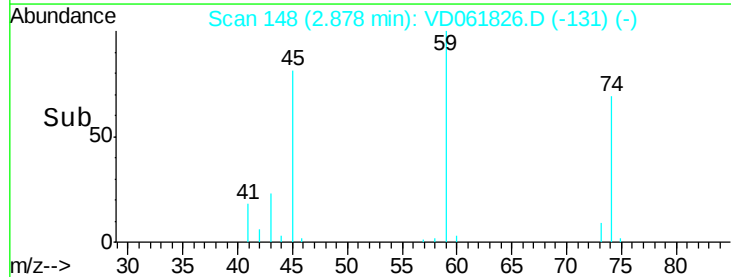
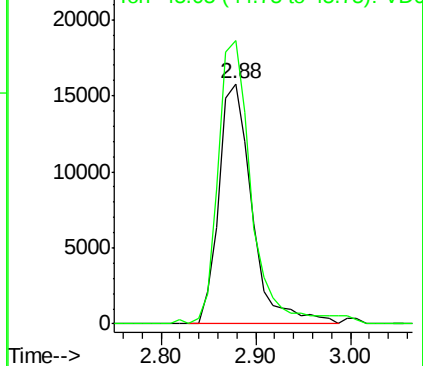
#8

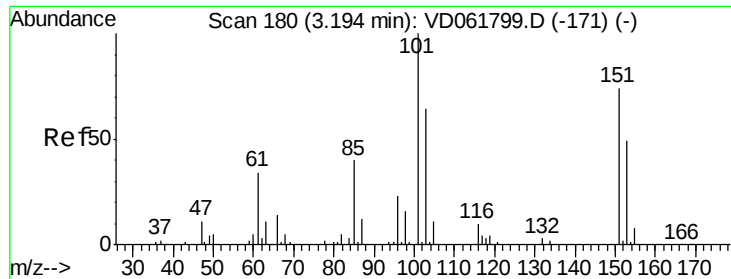
Diethyl Ether
Concen: 19.559 ug/l
RT: 2.88 min Scan# 148
Delta R.T. -0.03 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Tgt Ion: 74 Resp: 38421
Ion Ratio Lower Upper
74 100
45 117.9 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: 17.080 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.04 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

Instrument :

MSVOA_D

ClientSampled :

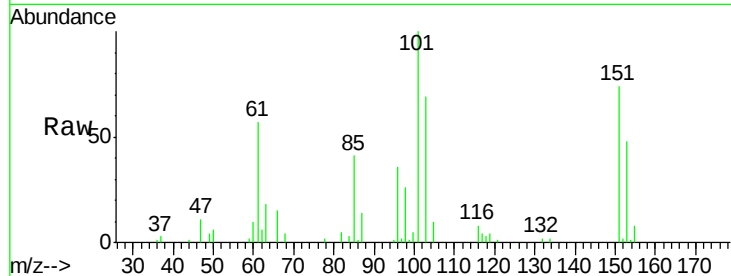
Tot Ion:101 Resp: 114151

Ion Ratio Lower Upper

101 100

85 41.1 32.4 48.6

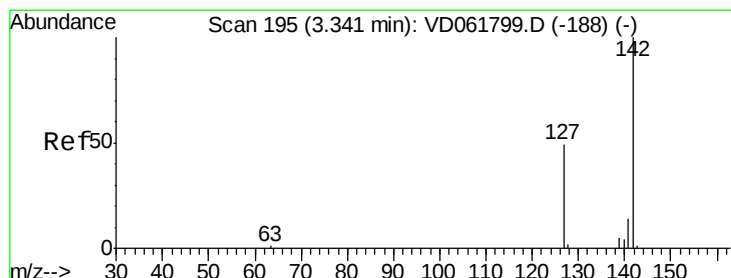
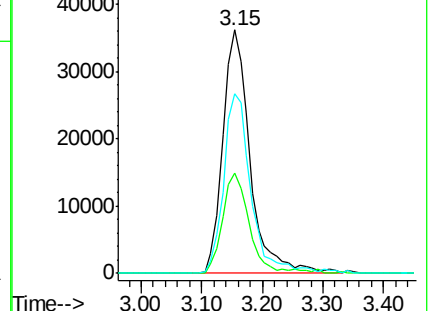
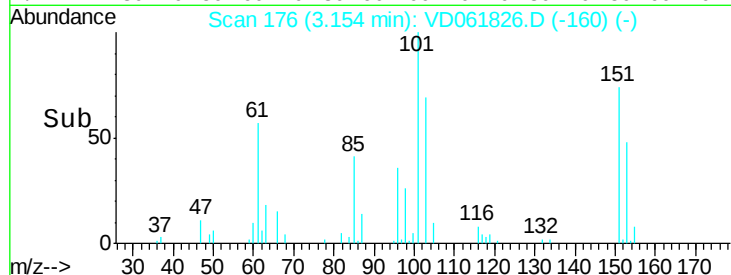
151 73.6 59.4 89.0



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: 16.905 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.03 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

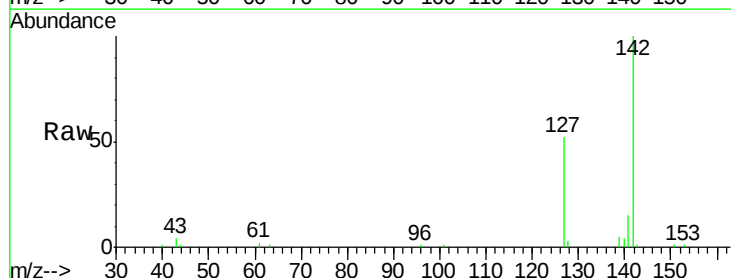
Tgt Ion:142 Resp: 153669

Ion Ratio Lower Upper

142 100

127 51.8 38.8 58.2

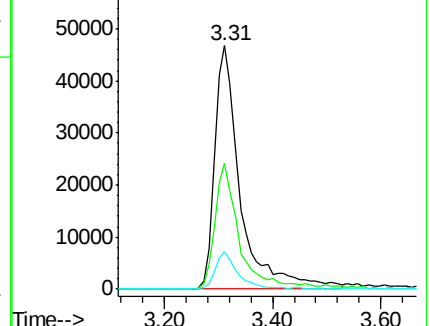
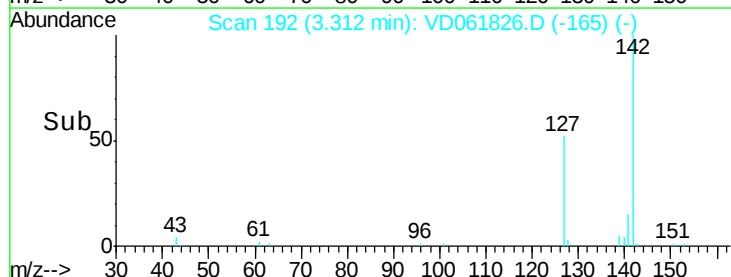
141 15.3 11.4 17.0

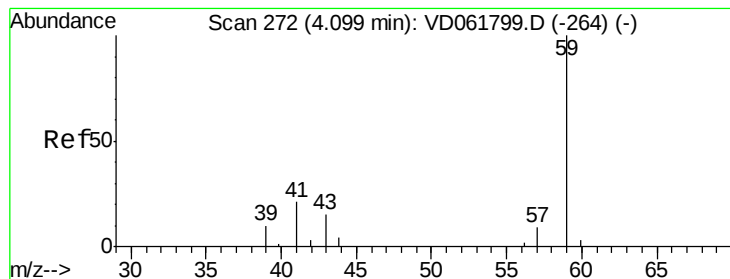


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



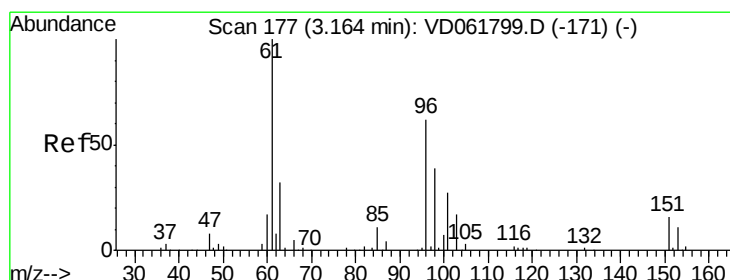
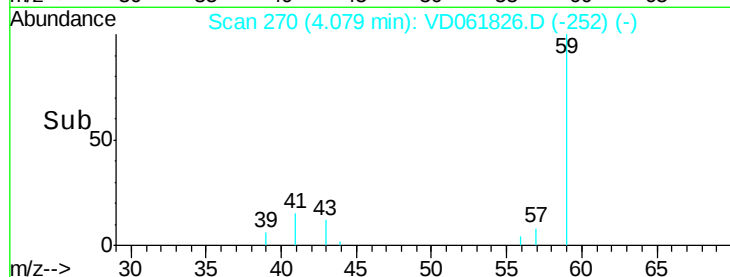
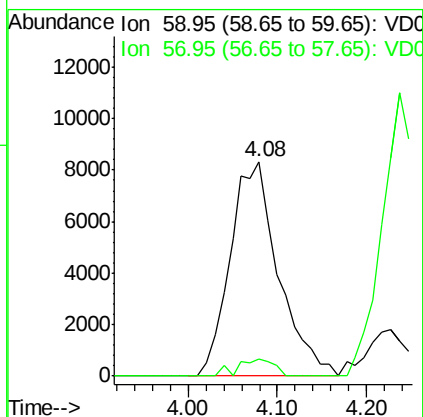
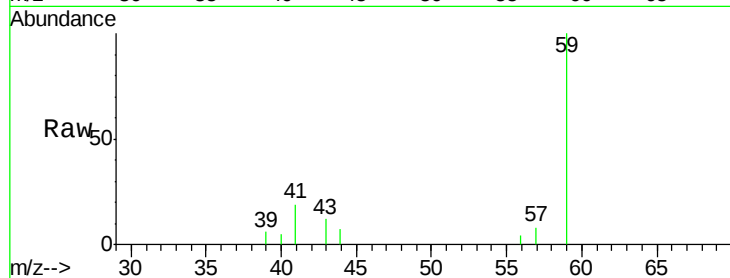


#11

Tert butyl alcohol
 Concen: 105.607 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. -0.02 min
 Lab File: VD061826.D
 Acq: 17 Apr 2019 00:56

Instrument :
 MSVOA_D
 ClientSampled :

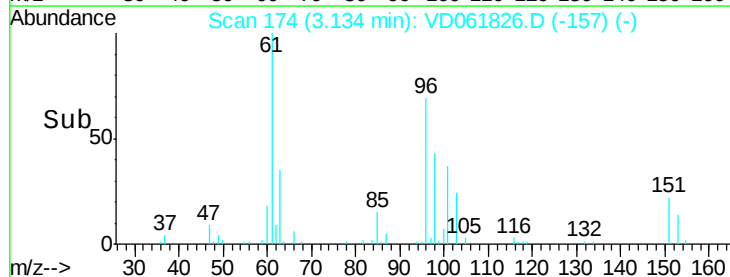
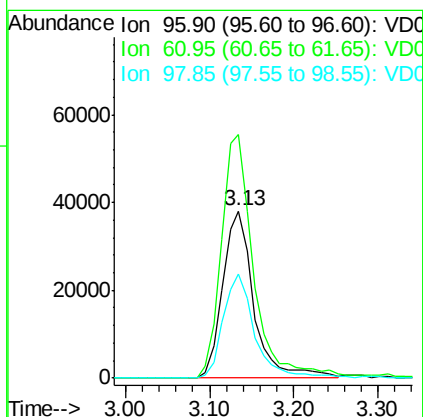
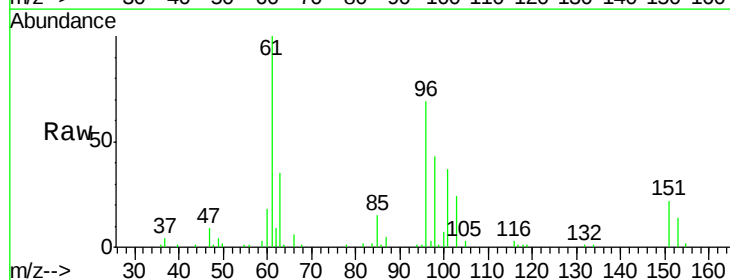
Tot Ion: 59 Resp: 31248
 Ion Ratio Lower Upper
 59 100
 57 8.1 6.9 10.3

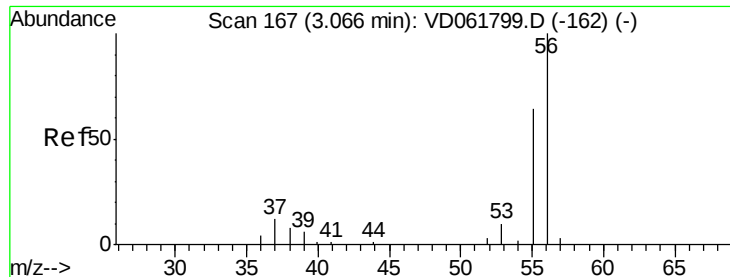


#12

1,1-Dichloroethene
 Concen: 17.420 ug/l
 RT: 3.13 min Scan# 174
 Delta R.T. -0.03 min
 Lab File: VD061826.D
 Acq: 17 Apr 2019 00:56

Tgt Ion: 96 Resp: 97878
 Ion Ratio Lower Upper
 96 100
 61 145.5 129.8 194.8
 98 62.5 51.2 76.8

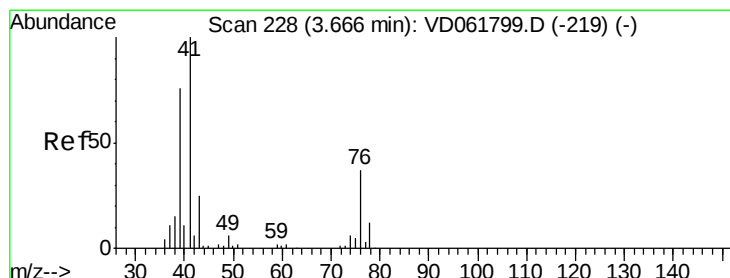
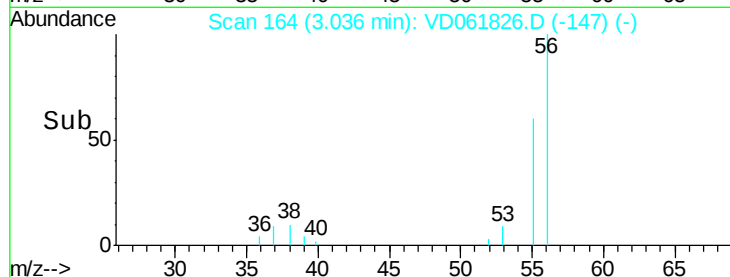
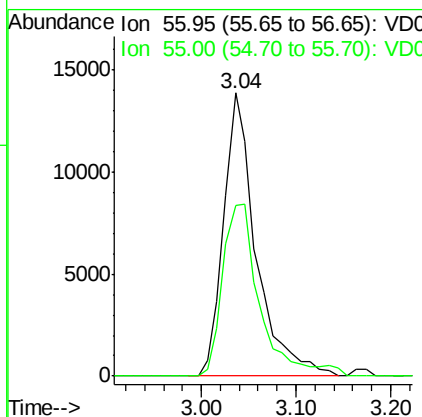
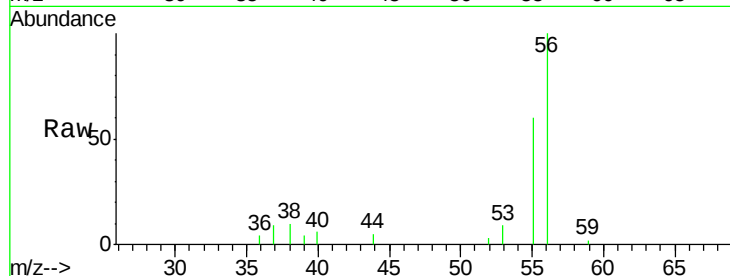




#13
Acrolein
Concen: 114.873 ug/l
RT: 3.04 min Scan# 164
Delta R.T. -0.03 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

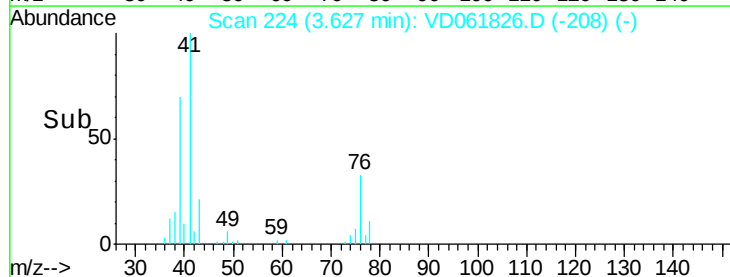
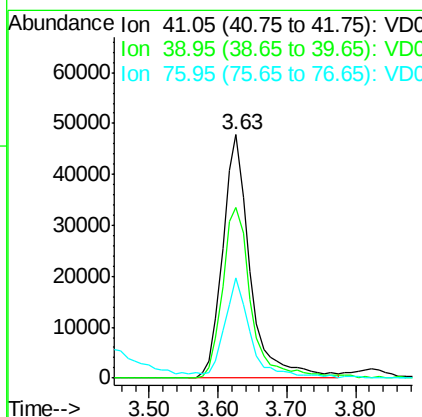
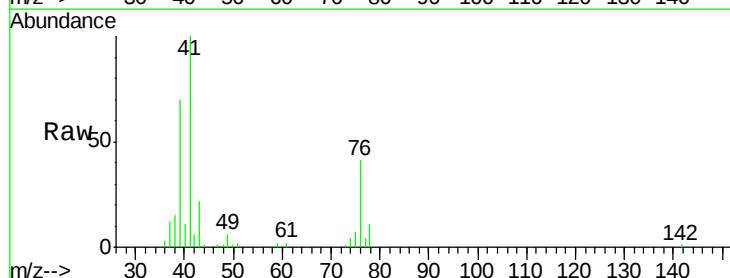
Instrument :
MSVOA_D
ClientSampleId :

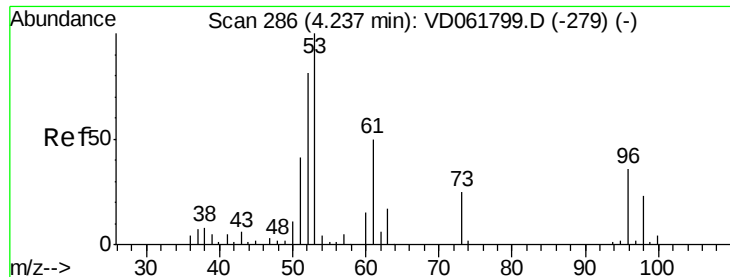
Tot Ion: 56 Resp: 32905
Ion Ratio Lower Upper
56 100
55 60.1 51.4 77.2



#14
Allyl chloride
Concen: 17.283 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.04 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Tgt Ion: 41 Resp: 132364
Ion Ratio Lower Upper
41 100
39 70.3 60.5 90.7
76 41.3 31.8 47.8

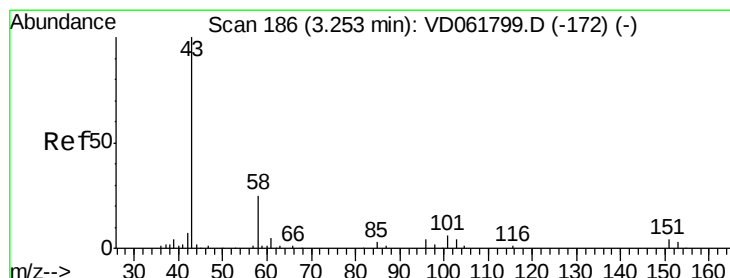
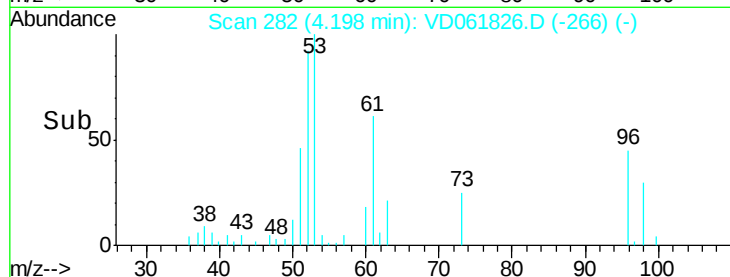
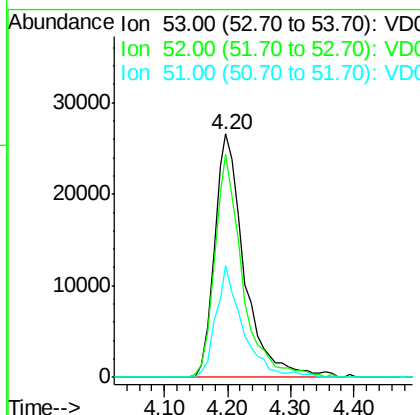
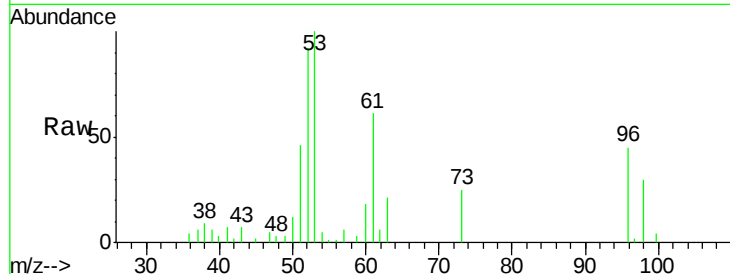




#15
 Acrylonitrile
 Concen: 94.484 ug/l
 RT: 4.20 min Scan# 282
 Delta R.T. -0.04 min
 Lab File: VD061826.D
 Acq: 17 Apr 2019 00:56

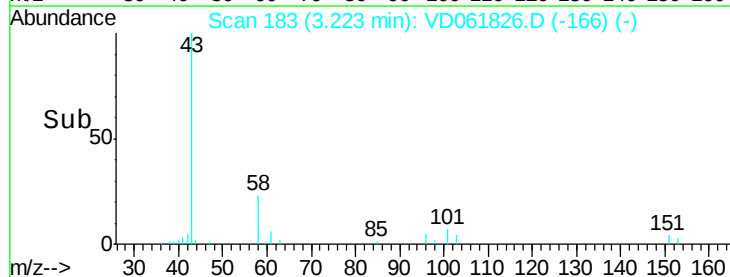
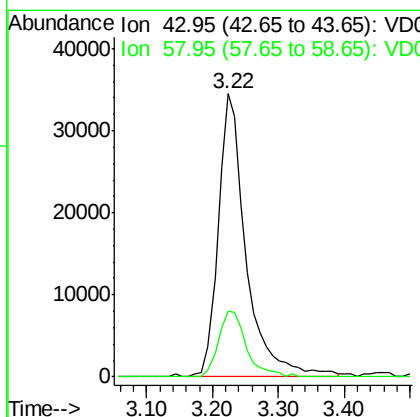
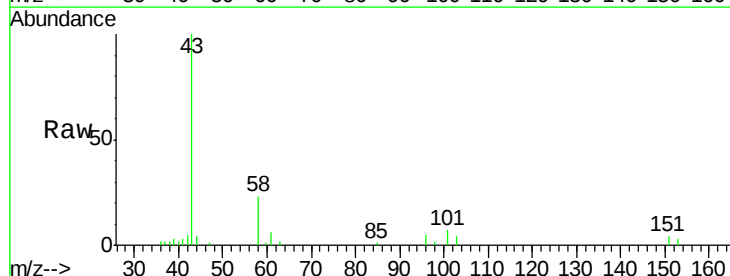
Instrument :
 MSVOA_D
 ClientSampled :

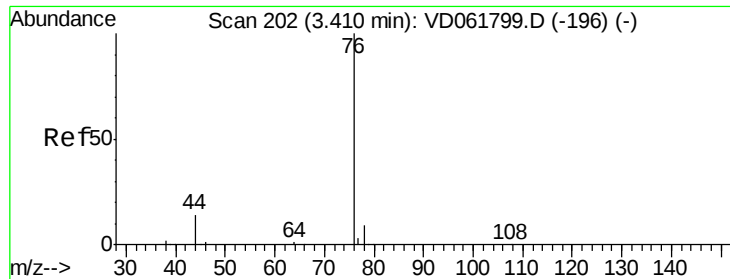
Tot Ion: 53 Resp: 87767
 Ion Ratio Lower Upper
 53 100
 52 91.9 65.0 97.4
 51 45.8 32.6 48.8



#16
 Acetone
 Concen: 81.803 ug/l
 RT: 3.22 min Scan# 183
 Delta R.T. -0.03 min
 Lab File: VD061826.D
 Acq: 17 Apr 2019 00:56

Tgt Ion: 43 Resp: 101158
 Ion Ratio Lower Upper
 43 100
 58 23.2 19.9 29.9

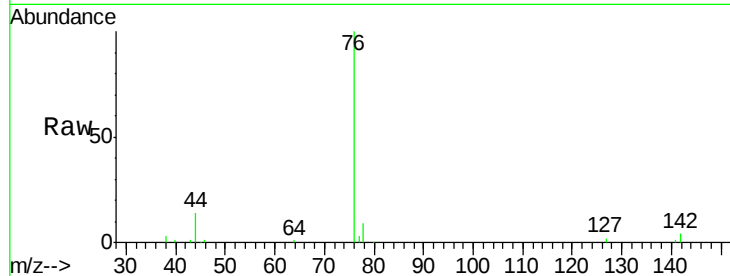




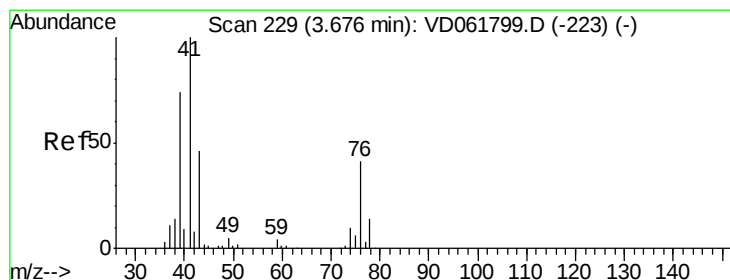
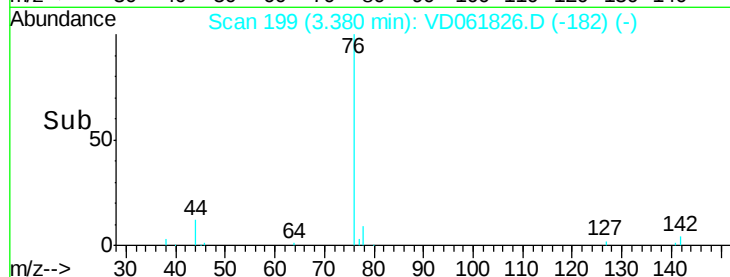
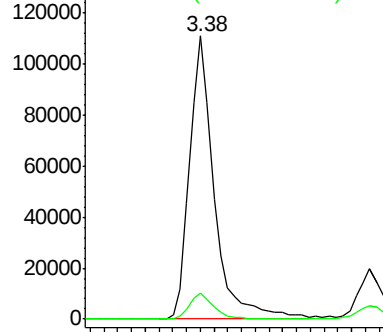
#17
Carbon Disulfide
Concen: 15.235 ug/l
RT: 3.38 min Scan# 199
Delta R.T. -0.03 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 276583
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

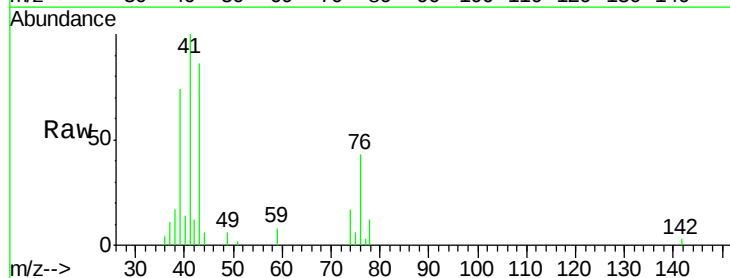


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

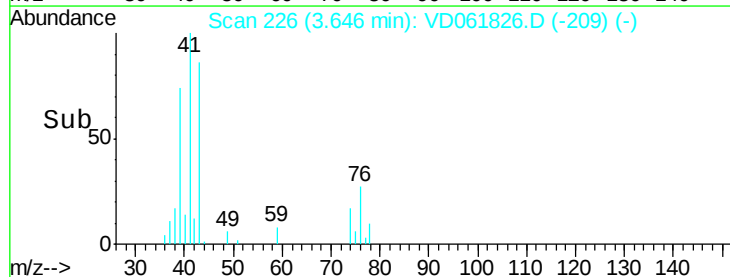
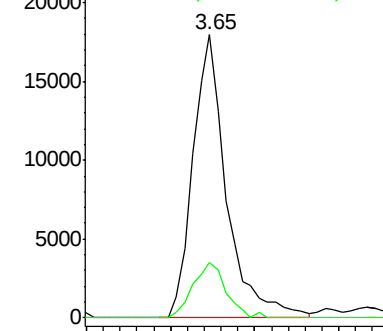


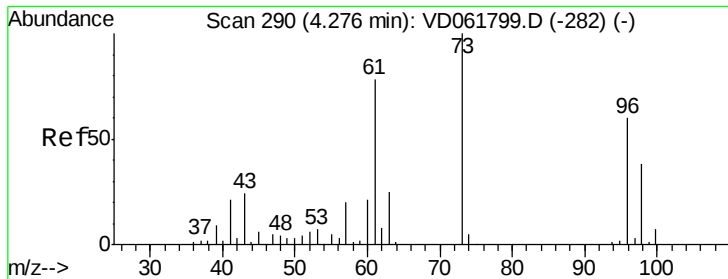
#18
Methyl Acetate
Concen: 19.996 ug/l
RT: 3.65 min Scan# 226
Delta R.T. -0.03 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Tgt Ion: 43 Resp: 49560
Ion Ratio Lower Upper
43 100
74 19.5 18.0 27.0



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



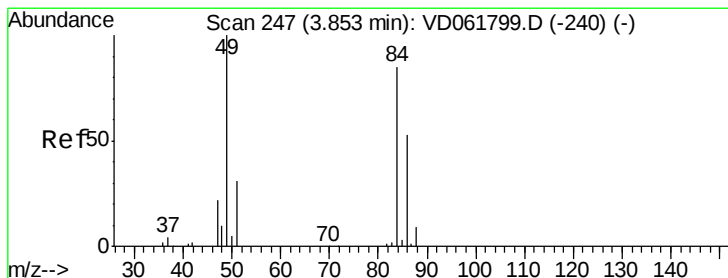
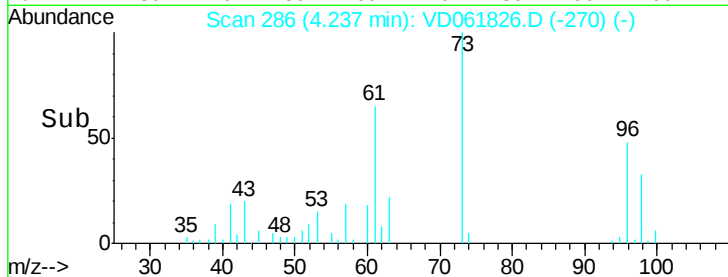
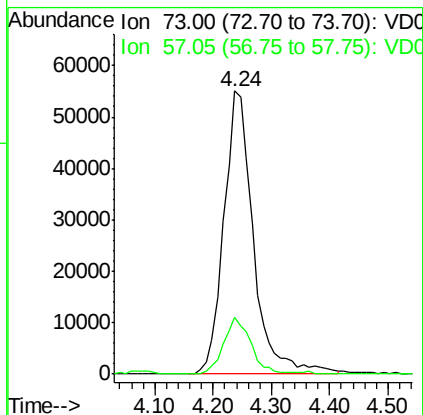
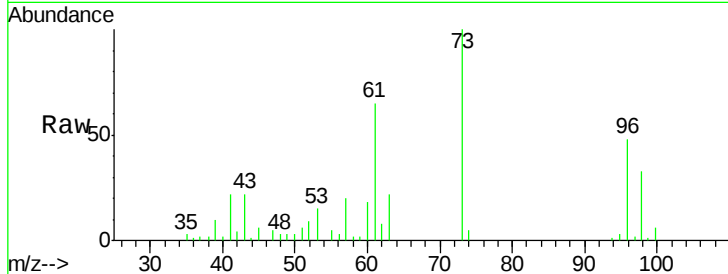


#19

Methyl tert-butyl Ether
 Concen: 18.564 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. -0.04 min
 Lab File: VD061826.D
 Acq: 17 Apr 2019 00:56

Instrument :
 MSVOA_D
 ClientSampled :

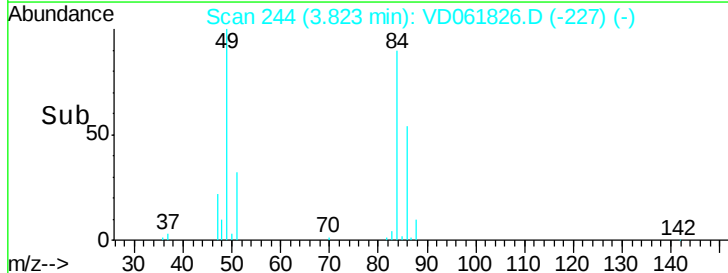
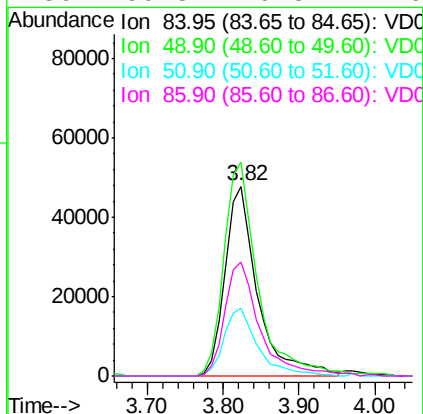
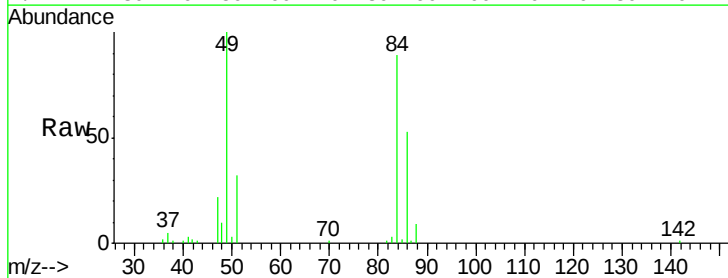
Tot Ion: 73 Resp: 194655
 Ion Ratio Lower Upper
 73 100
 57 20.0 16.3 24.5

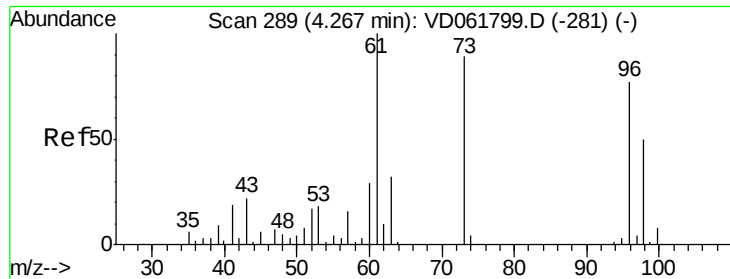


#20

Methylene Chloride
 Concen: 20.507 ug/l
 RT: 3.82 min Scan# 244
 Delta R.T. -0.03 min
 Lab File: VD061826.D
 Acq: 17 Apr 2019 00:56

Tgt Ion: 84 Resp: 142680
 Ion Ratio Lower Upper
 84 100
 49 112.5 94.0 141.0
 51 35.9 29.0 43.4
 86 59.8 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 17.161 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.04 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

Instrument :

MSVOA_D

ClientSampleId :

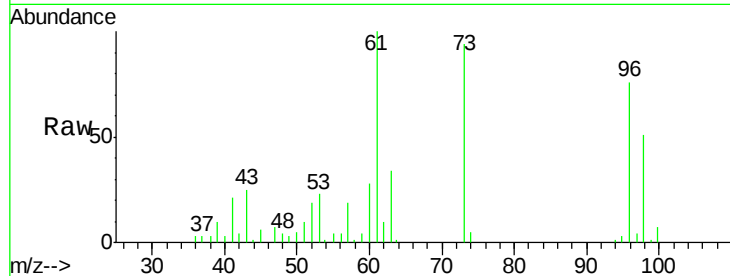
Tot Ion: 96 Resp: 105969

Ion Ratio Lower Upper

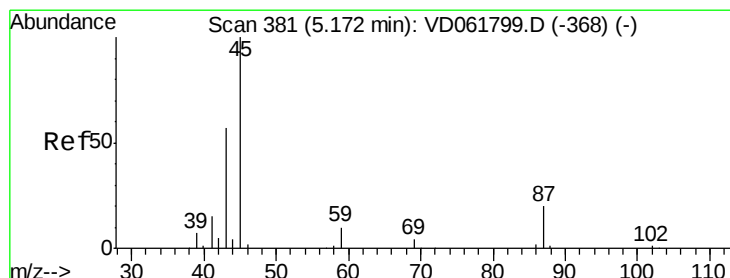
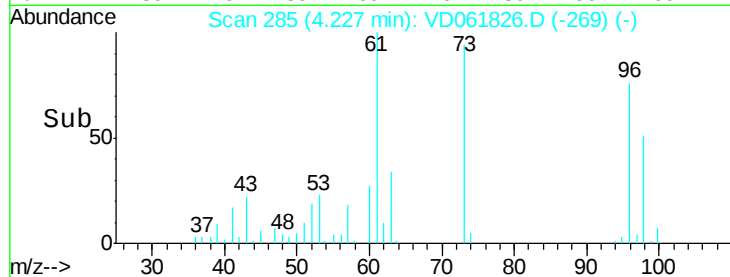
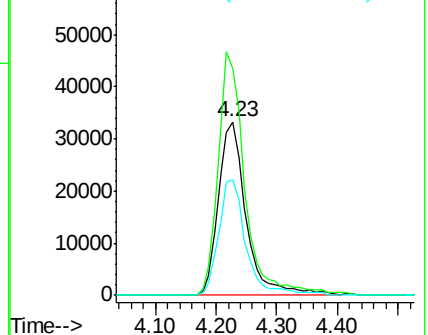
96 100

61 130.7 104.4 156.6

98 66.2 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: 18.960 ug/l

RT: 5.12 min Scan# 376

Delta R.T. -0.05 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

Tgt Ion: 45 Resp: 310389

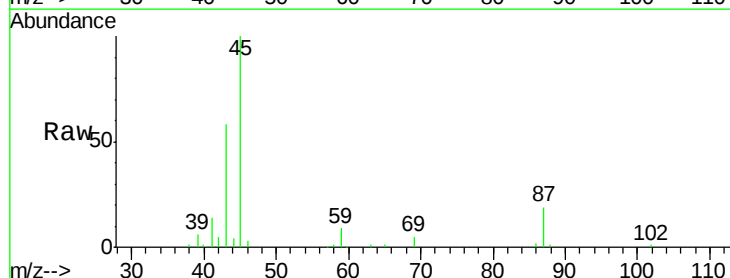
Ion Ratio Lower Upper

45 100

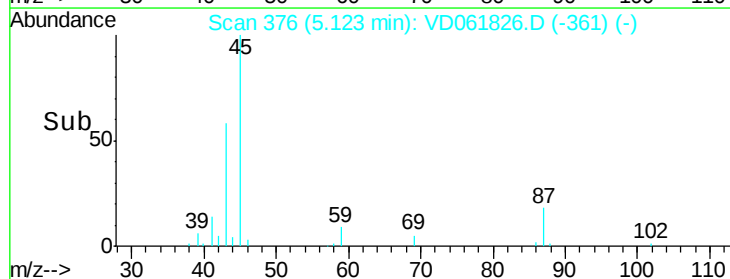
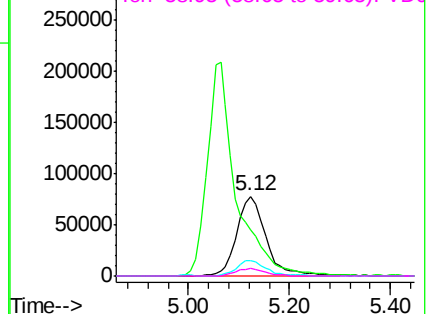
43 57.6 46.2 69.2

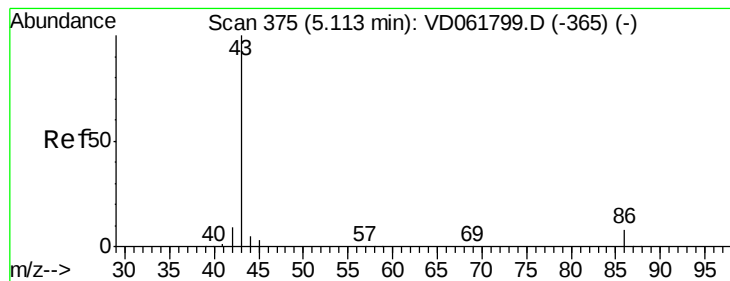
87 19.1 15.9 23.9

59 9.3 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: 94.920 ug/l

RT: 5.06 min Scan# 370

Delta R.T. -0.05 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

Instrument :

MSVOA_D

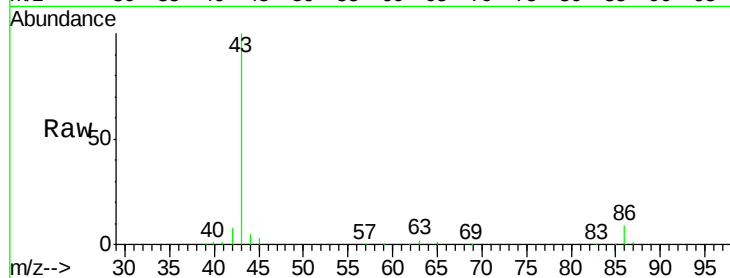
ClientSampled :

Tot Ion: 43 Resp: 830668

Ion Ratio Lower Upper

43 100

86 8.5 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.06

200000

150000

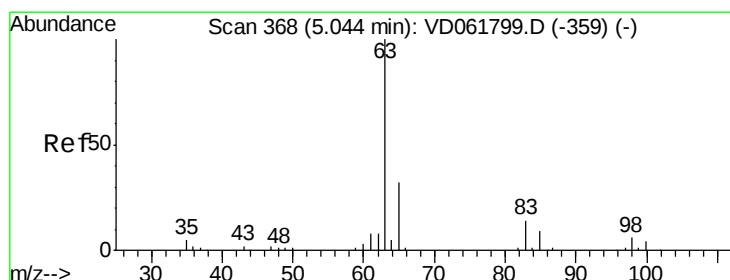
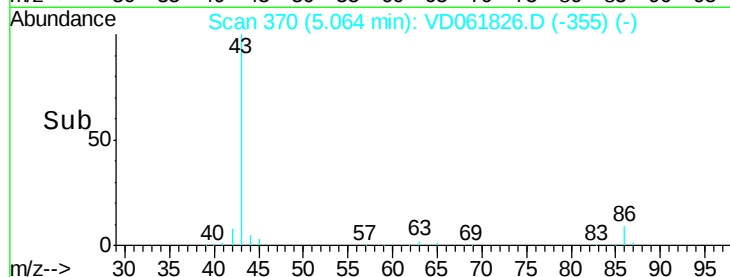
100000

50000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 18.303 ug/l

RT: 4.99 min Scan# 363

Delta R.T. -0.05 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

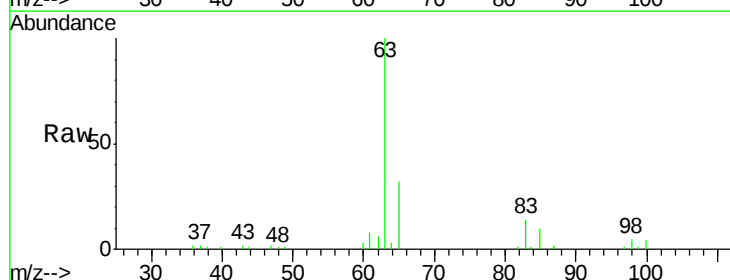
Tgt Ion: 63 Resp: 181666

Ion Ratio Lower Upper

63 100

98 5.2 2.8 8.4

100 4.0 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.99

60000

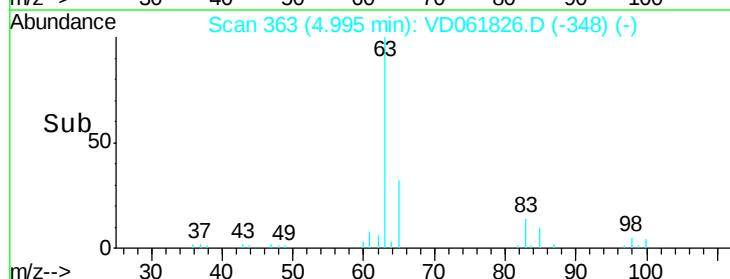
40000

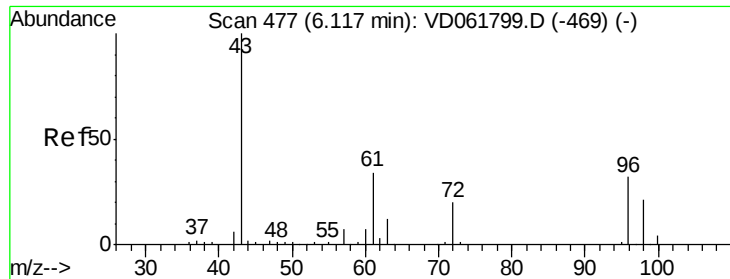
20000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 92.862 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.05 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

Instrument :

MSVOA_D

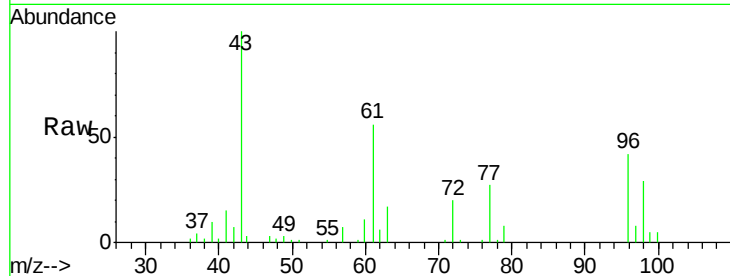
ClientSampleId :

Tot Ion: 43 Resp: 130735

Ion Ratio Lower Upper

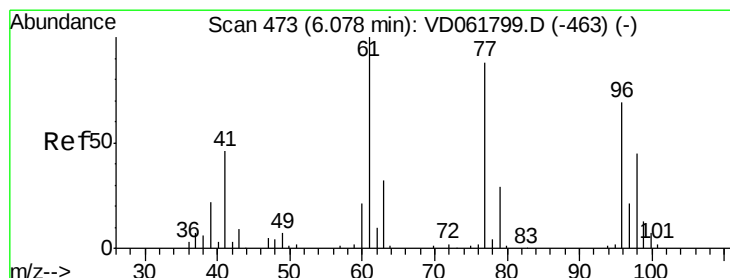
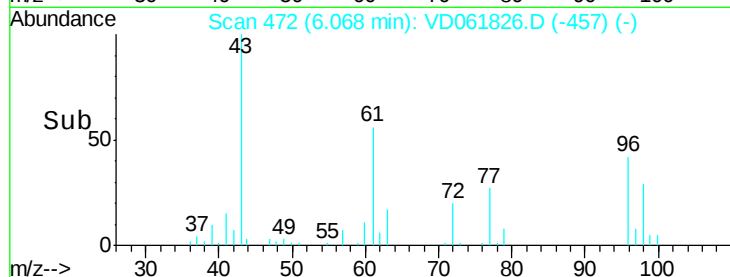
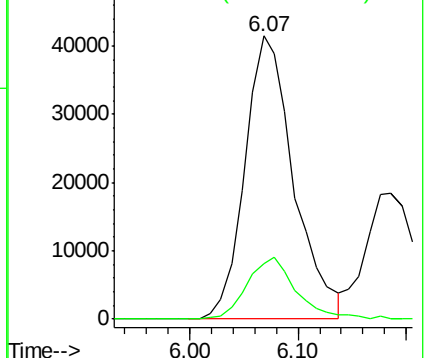
43 100

72 19.5 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: 17.106 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.05 min

Lab File: VD061826.D

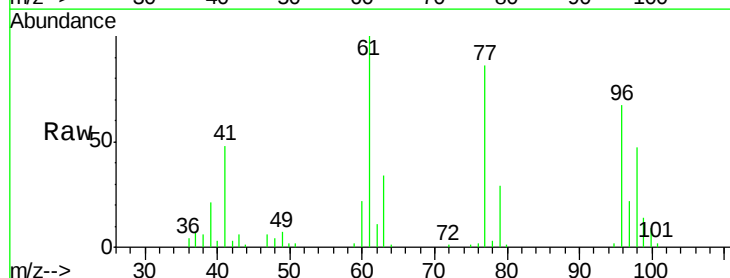
Acq: 17 Apr 2019 00:56

Tgt Ion: 77 Resp: 146751

Ion Ratio Lower Upper

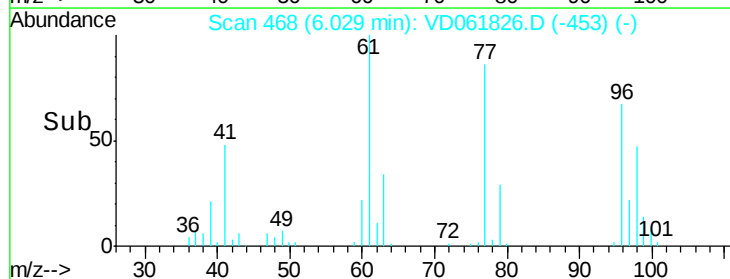
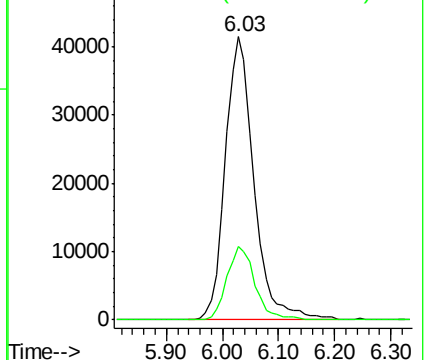
77 100

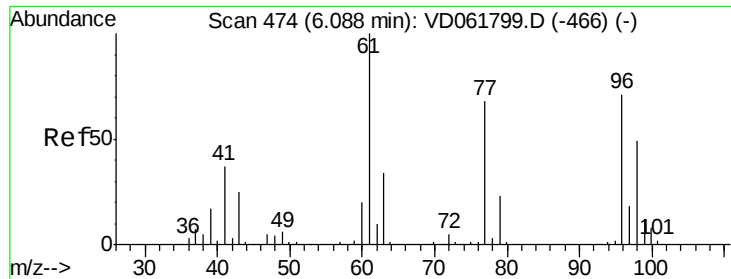
97 25.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



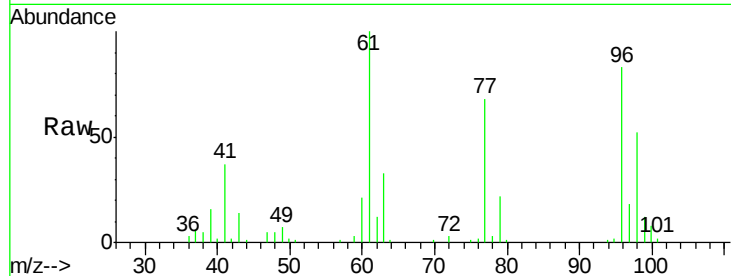


#27

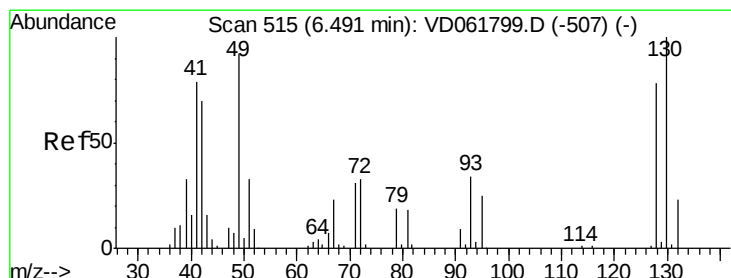
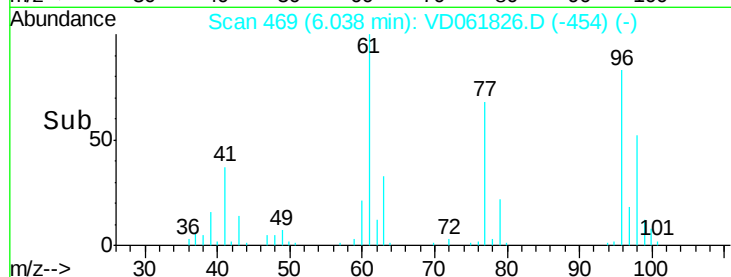
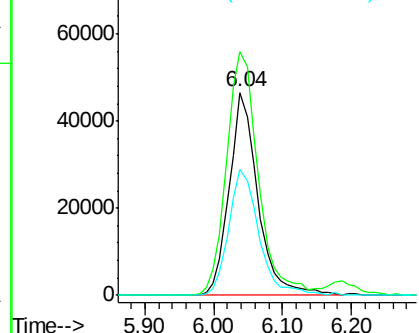
cis-1,2-Dichloroethene
 Concen: 20.078 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.05 min
 Lab File: VD061826.D
 Acq: 17 Apr 2019 00:56

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	96	Resp	134396
Ion	Ratio	Lower	Upper
96	100		
61	120.1	0.0	279.8
98	62.0	0.0	136.0



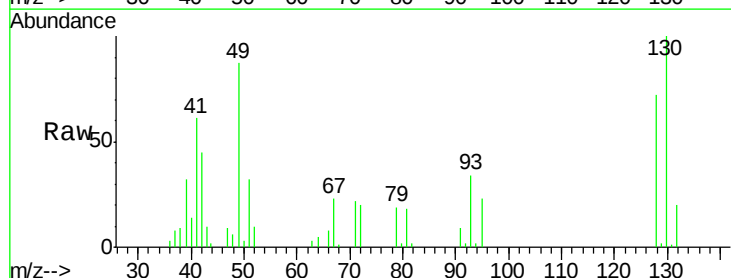
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



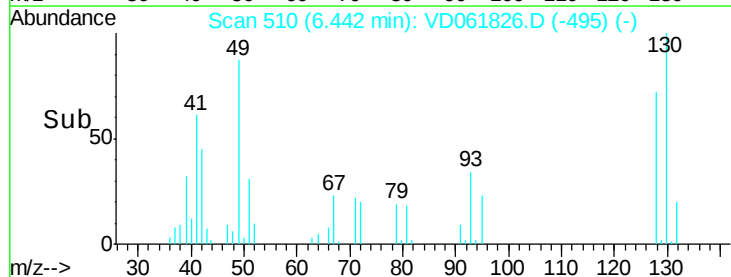
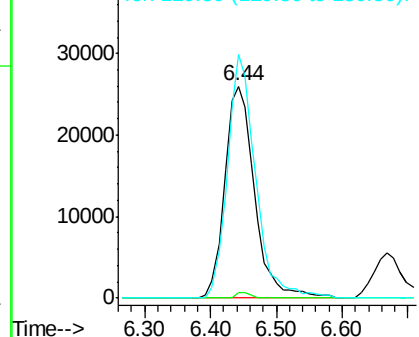
#28

Bromochloromethane
 Concen: 21.749 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. -0.05 min
 Lab File: VD061826.D
 Acq: 17 Apr 2019 00:56

Tgt Ion	49	Resp	81996
Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	6.6
130	115.0	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

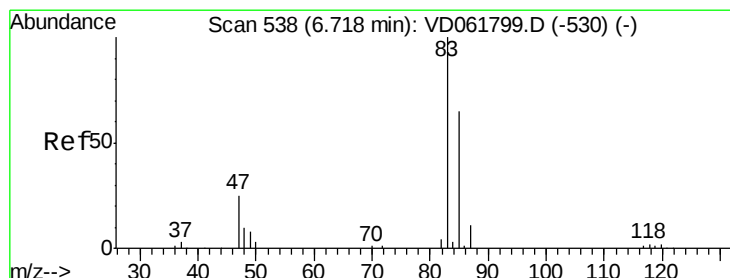
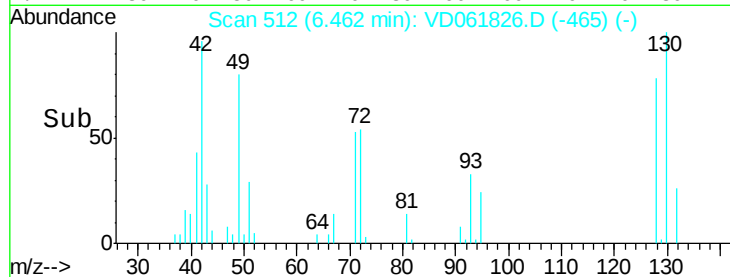
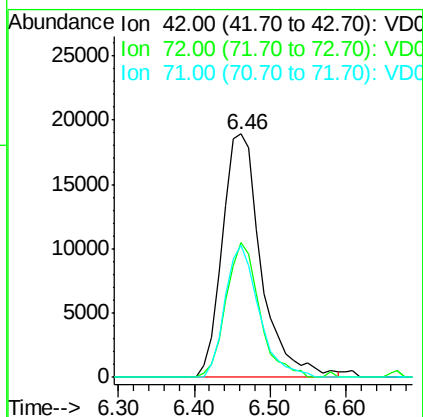
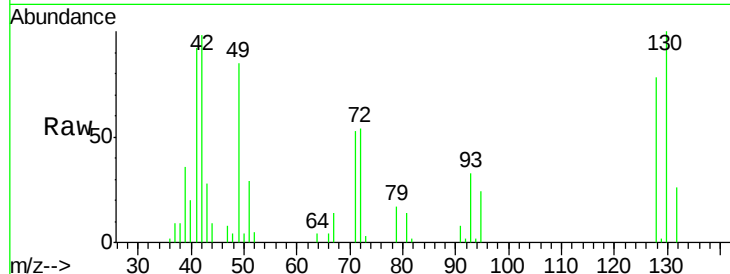




#29
Tetrahydrofuran
Concen: 98.096 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.04 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

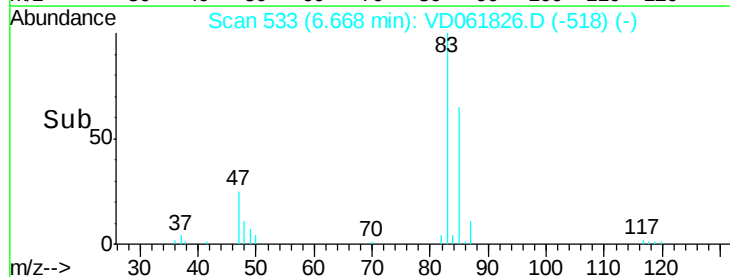
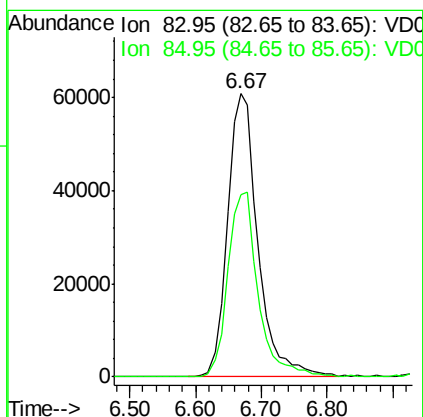
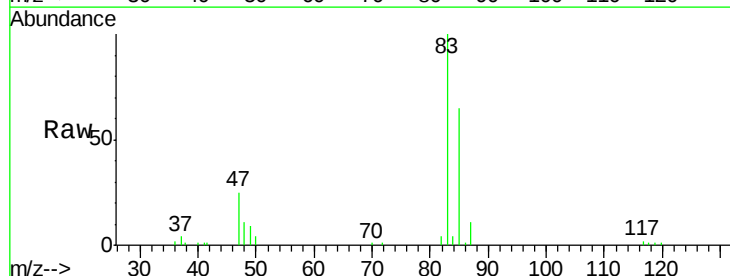
Instrument :
MSVOA_D
ClientSampleID :

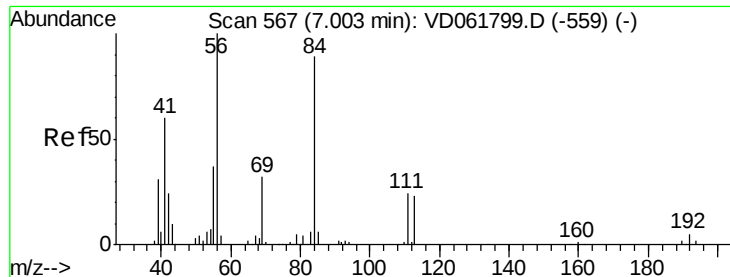
Tot Ion: 42 Resp: 67272
Ion Ratio Lower Upper
42 100
72 47.6 37.8 56.6
71 47.4 36.7 55.1



#30
Chloroform
Concen: 17.693 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.05 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Tgt Ion: 83 Resp: 195871
Ion Ratio Lower Upper
83 100
85 64.5 51.7 77.5

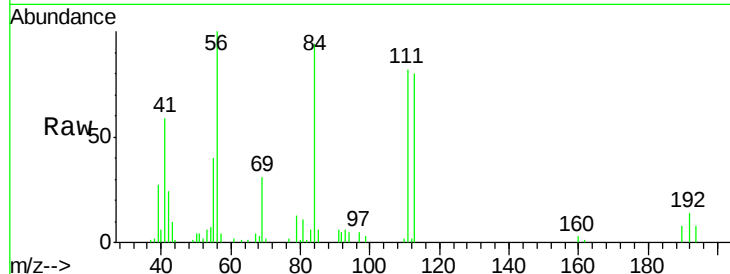




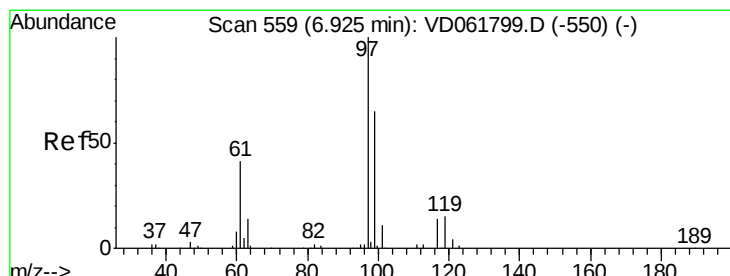
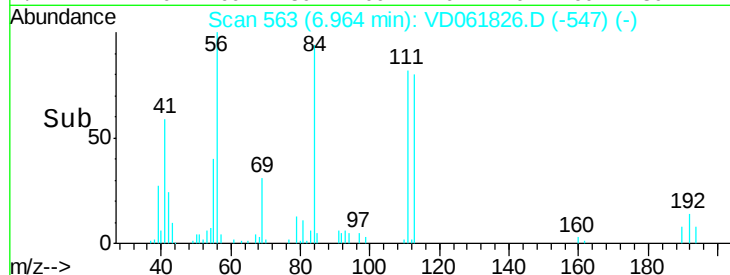
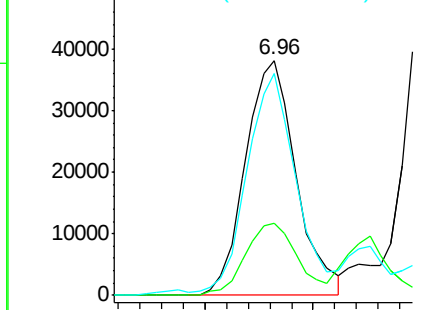
#31
Cyclohexane
Concen: 16.303 ug/l
RT: 6.96 min Scan# 563
Delta R.T. -0.04 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 123874
Ion Ratio Lower Upper
56 100
69 30.9 25.8 38.6
84 94.3 72.2 108.4

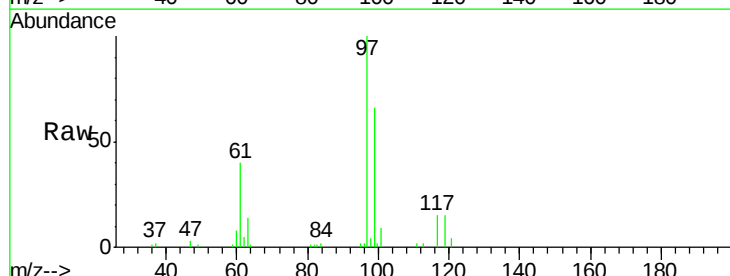


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

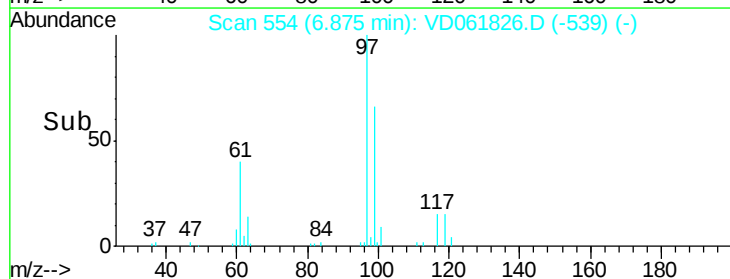
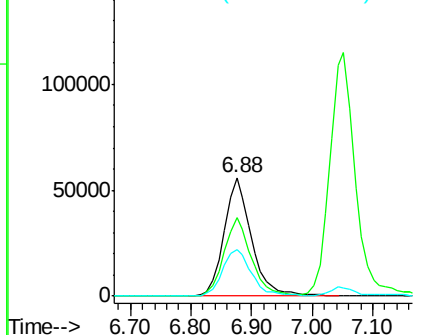


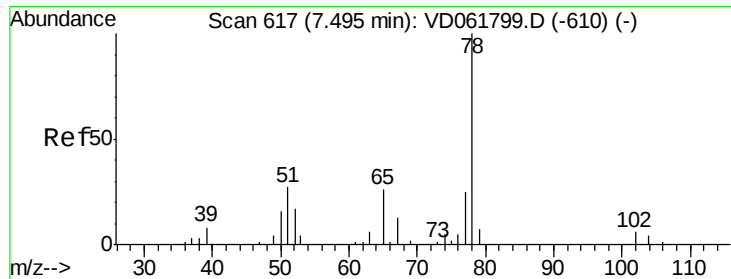
#32
1,1,1-Trichloroethane
Concen: 17.805 ug/l
RT: 6.88 min Scan# 554
Delta R.T. -0.05 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Tgt Ion: 97 Resp: 174736
Ion Ratio Lower Upper
97 100
99 66.3 52.2 78.2
61 39.5 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: 17.805 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.04 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

Instrument :

MSVOA_D

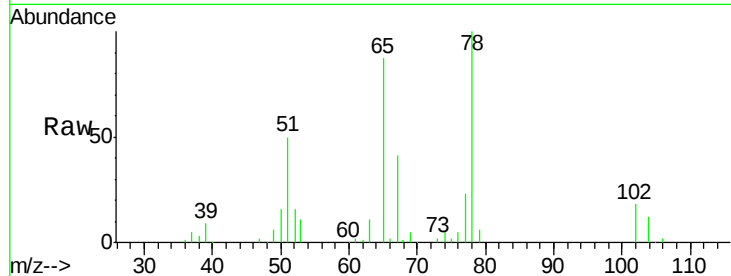
ClientSampled :

Tot Ion: 65 Resp: 285247

Ion Ratio Lower Upper

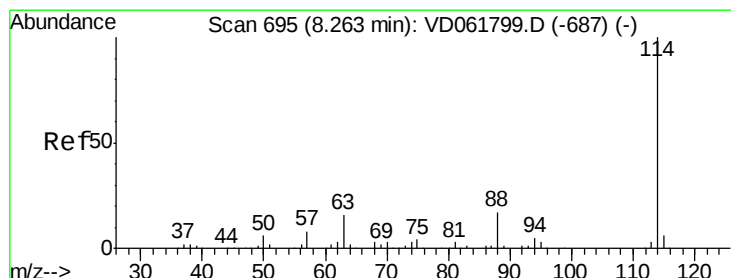
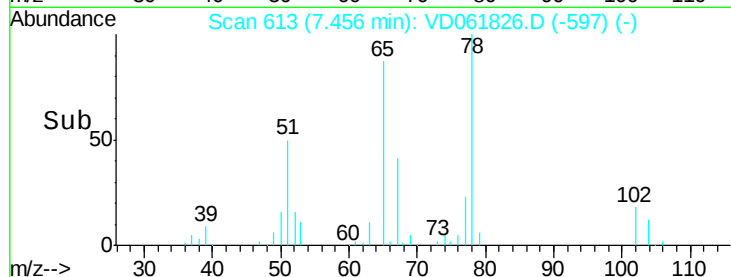
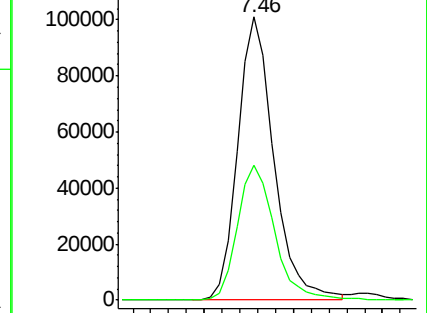
65 100

67 47.7 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. -0.04 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

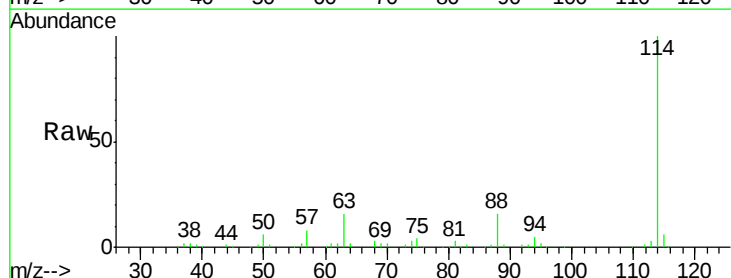
Tgt Ion: 114 Resp: 961674

Ion Ratio Lower Upper

114 100

63 15.5 0.0 32.4

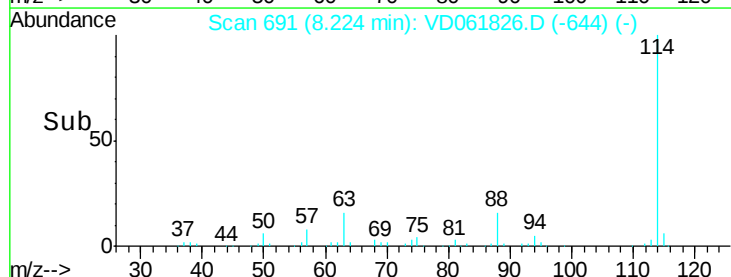
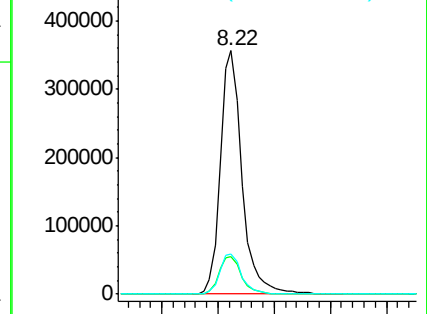
88 16.3 0.0 33.6

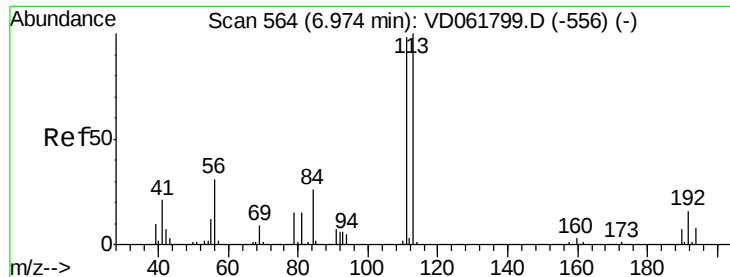


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

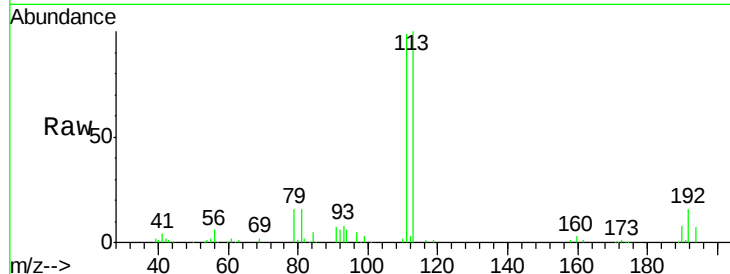




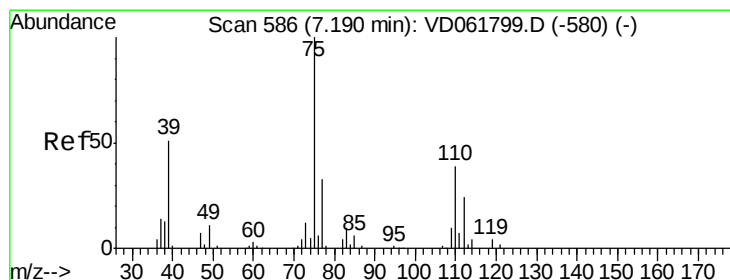
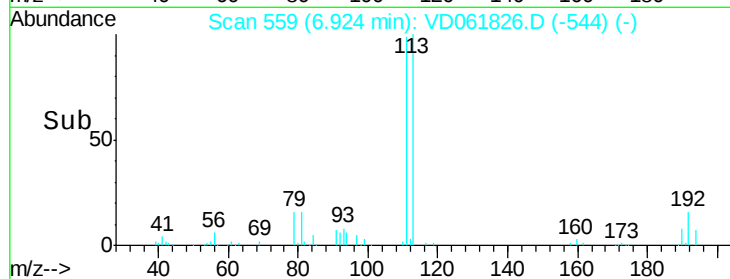
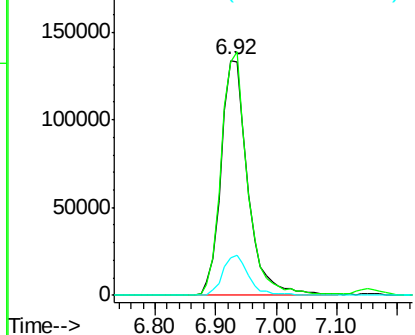
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. -0.05 min
 Lab File: VD061826.D
 Acq: 17 Apr 2019 00:56

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 413748
 Ion Ratio Lower Upper
 113 100
 111 99.2 78.5 117.7
 192 15.9 13.0 19.4

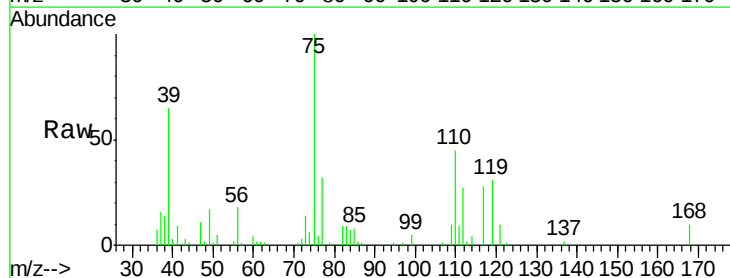


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

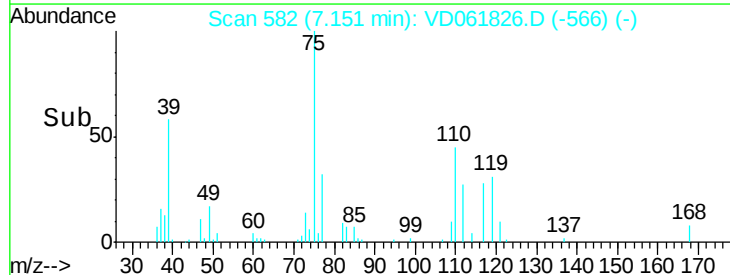
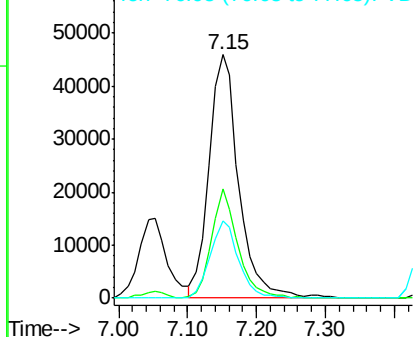


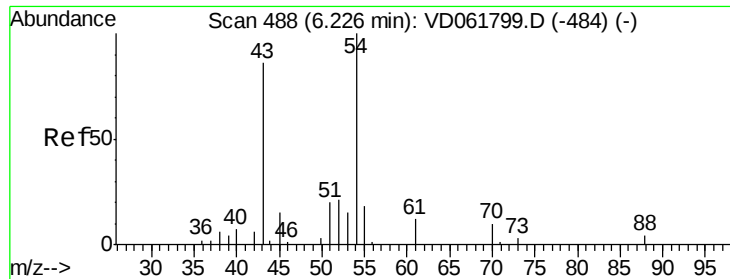
#36
 1,1-Dichloropropene
 Concen: 17.444 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. -0.04 min
 Lab File: VD061826.D
 Acq: 17 Apr 2019 00:56

Tgt Ion: 75 Resp: 137080
 Ion Ratio Lower Upper
 75 100
 110 44.8 19.1 57.1
 77 31.8 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

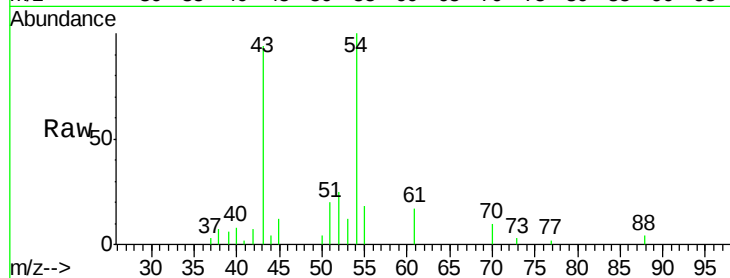




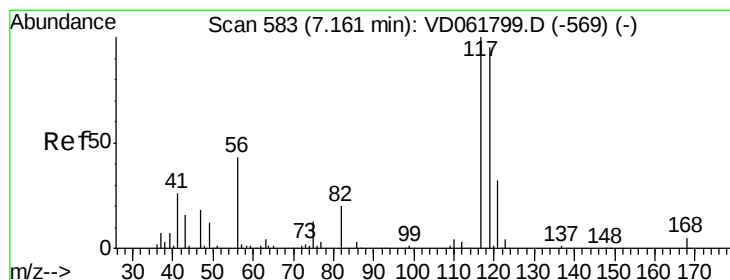
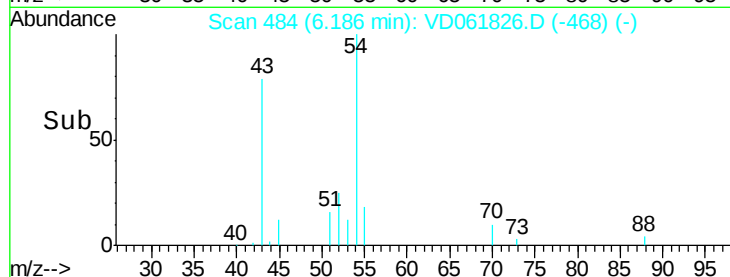
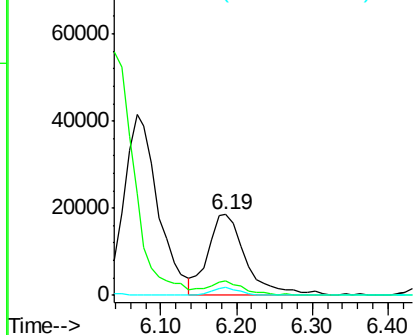
#37
Ethyl Acetate
Concen: 19.344 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.04 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 65060
Ion Ratio Lower Upper
43 100
61 17.8 14.7 22.1
70 10.1 7.8 11.6

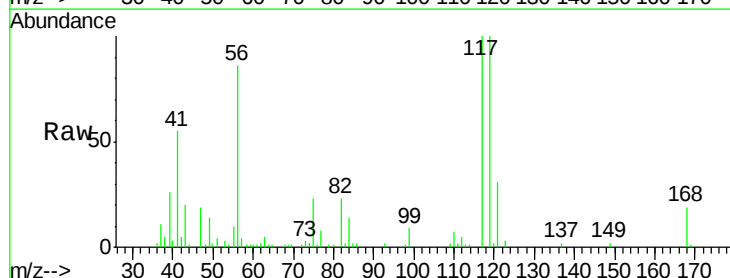


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

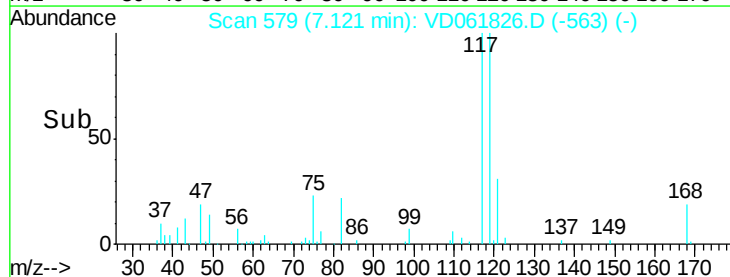
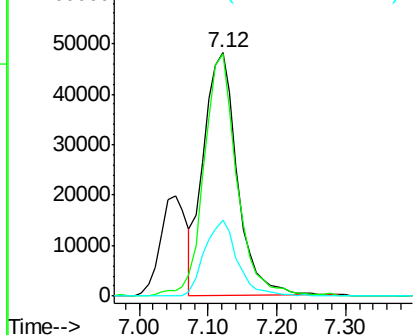


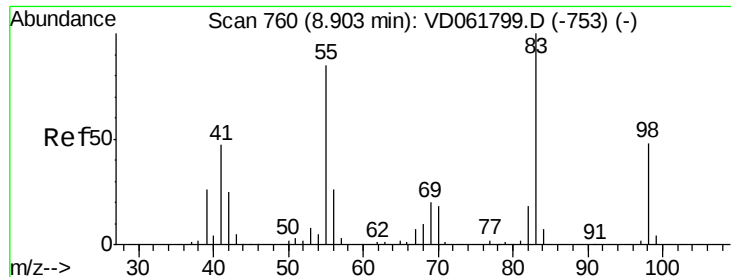
#38
Carbon Tetrachloride
Concen: 16.384 ug/l
RT: 7.12 min Scan# 579
Delta R.T. -0.04 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Tgt Ion: 117 Resp: 162579
Ion Ratio Lower Upper
117 100
119 99.6 75.8 113.8
121 31.1 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

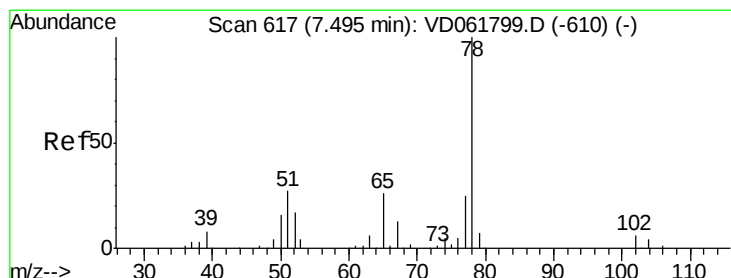
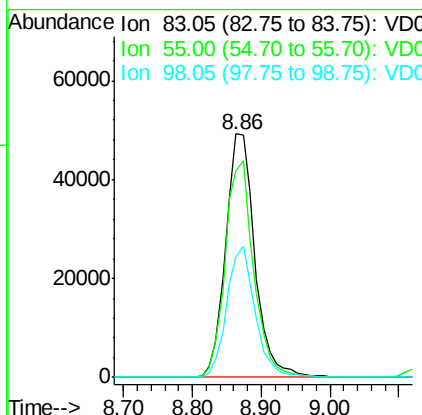
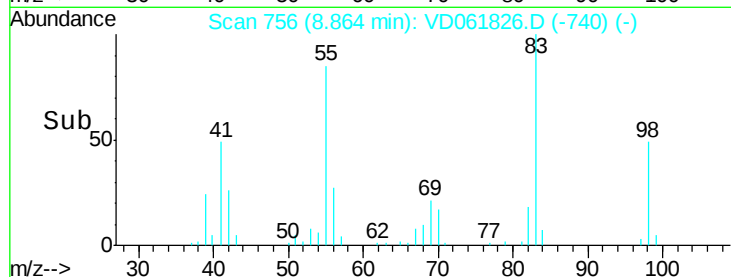
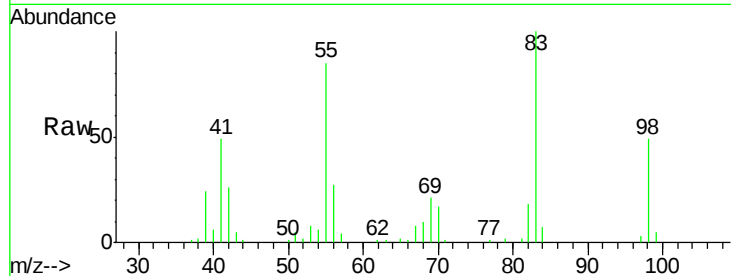




#39
Methvlcvclohexane
Concen: 17.752 ug/l
RT: 8.86 min Scan# 756
Delta R.T. -0.04 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

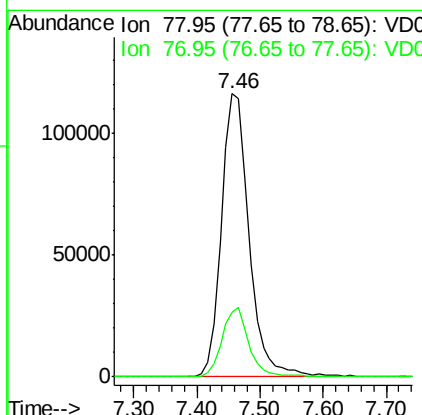
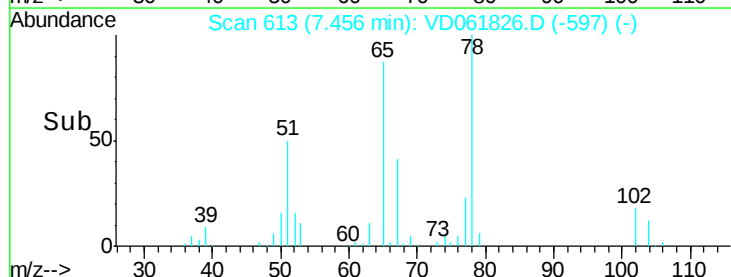
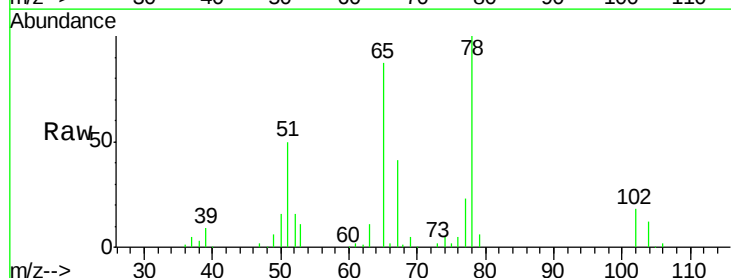
Instrument :
MSVOA_D
ClientSampleId :

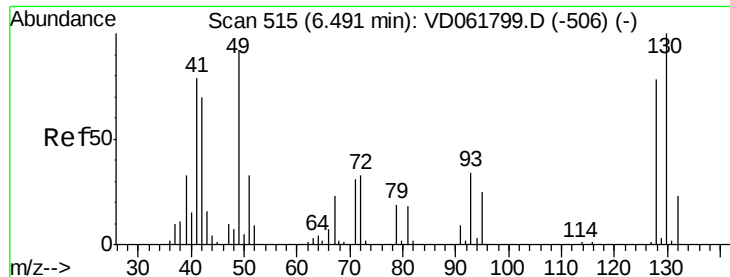
Tot Ion: 83 Resp: 144864
Ion Ratio Lower Upper
83 100
55 84.8 68.2 102.4
98 49.4 38.2 57.4



#40
Benzene
Concen: 18.781 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.04 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Tgt Ion: 78 Resp: 354334
Ion Ratio Lower Upper
78 100
77 22.8 19.7 29.5

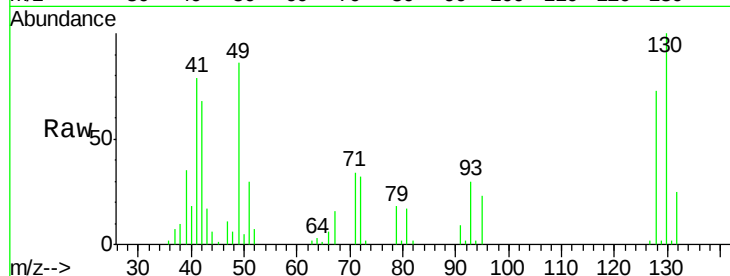




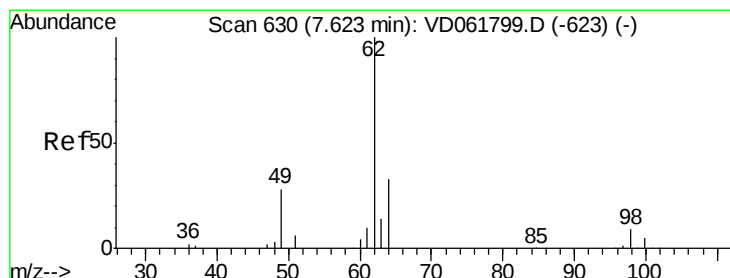
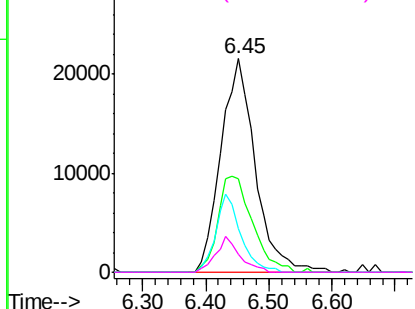
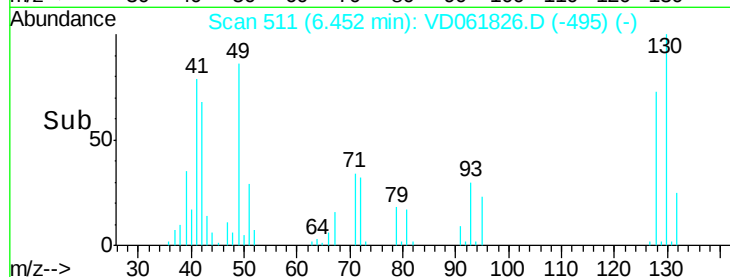
#41
Methacrylonitrile
Concen: 20.497 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.04 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 81483
Ion Ratio Lower Upper
41 100
39 43.6 34.1 51.1
67 20.2 23.8 35.6#
52 8.5 8.8 13.2#

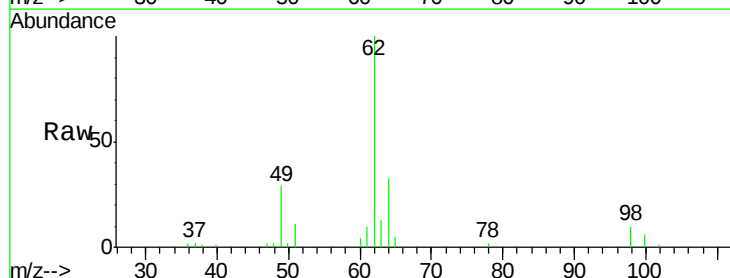


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

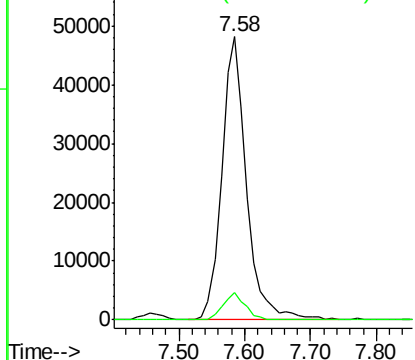
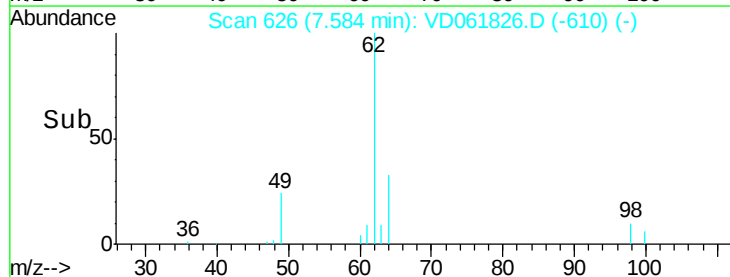


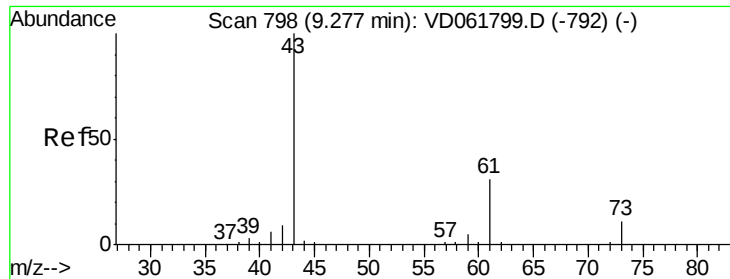
#42
1,2-Dichloroethane
Concen: 19.051 ug/l
RT: 7.58 min Scan# 626
Delta R.T. -0.04 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Tgt Ion: 62 Resp: 125175
Ion Ratio Lower Upper
62 100
98 9.8 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

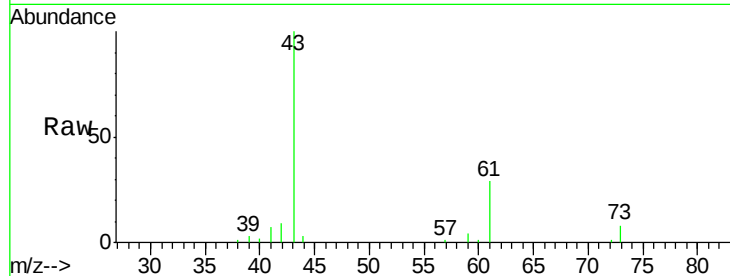




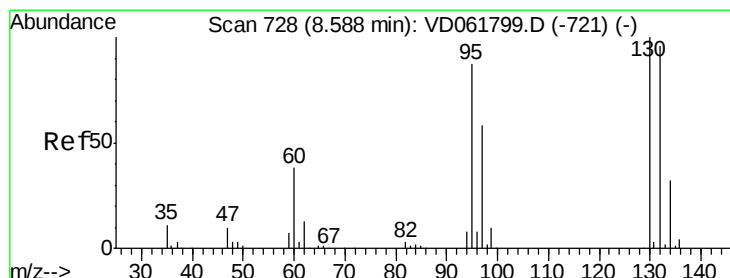
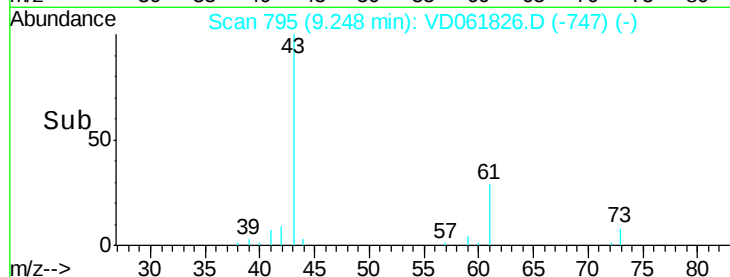
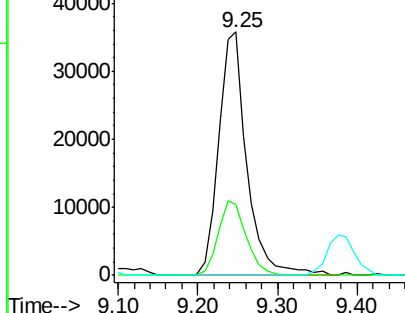
#43
Isopropyl Acetate
Concen: 18.703 ug/l
RT: 9.25 min Scan# 795
Delta R.T. -0.03 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 88523
Ion Ratio Lower Upper
43 100
61 28.9 25.1 37.7
87 0.0 0.0 0.0

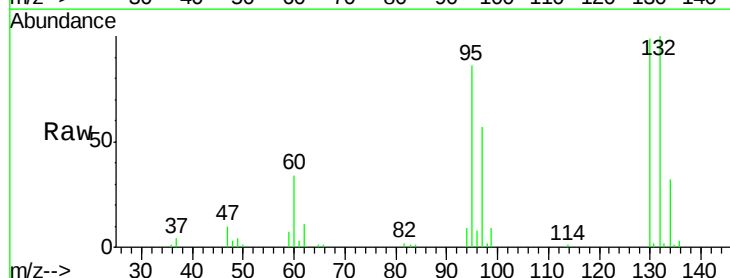


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

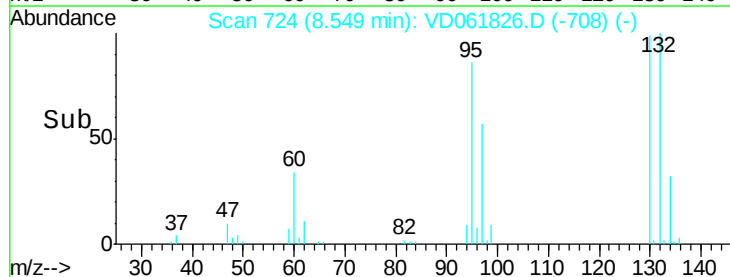
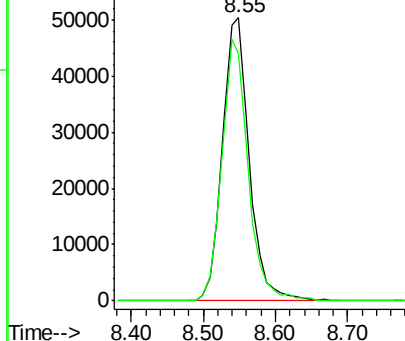


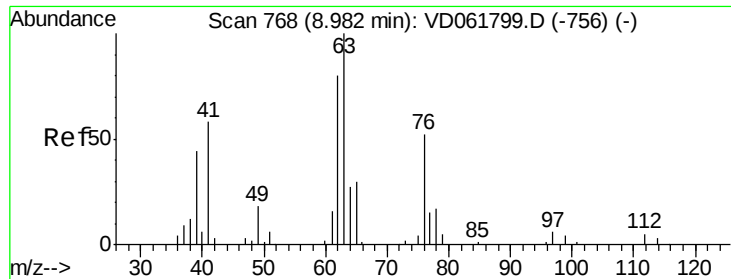
#44
Trichloroethene
Concen: 17.852 ug/l
RT: 8.55 min Scan# 724
Delta R.T. -0.04 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Tgt Ion:130 Resp: 129655
Ion Ratio Lower Upper
130 100
95 87.5 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 18.772 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.04 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

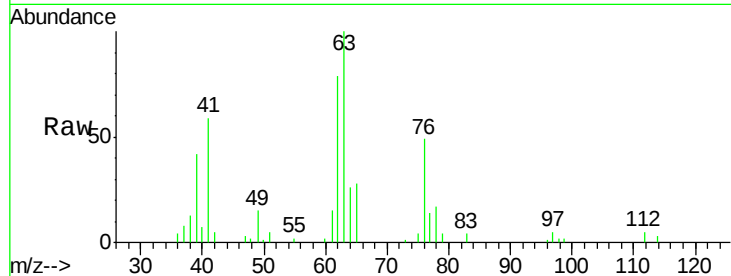
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 63 Resp: 92249

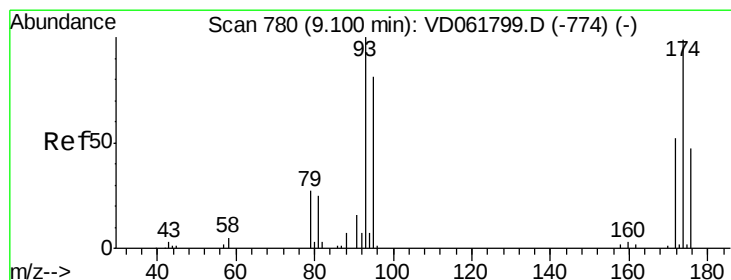
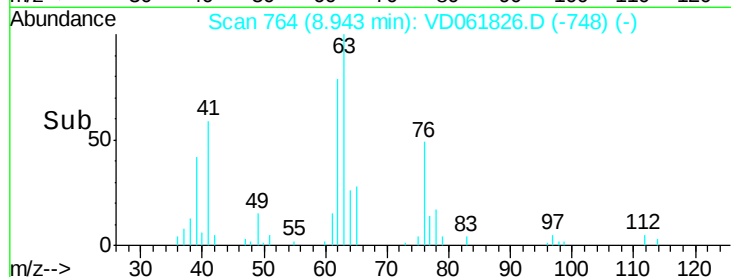
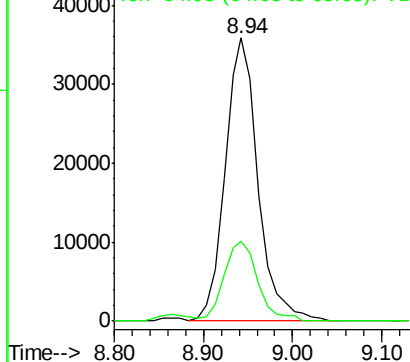
Ion Ratio Lower Upper

63 100

65 28.2 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.001 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.03 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

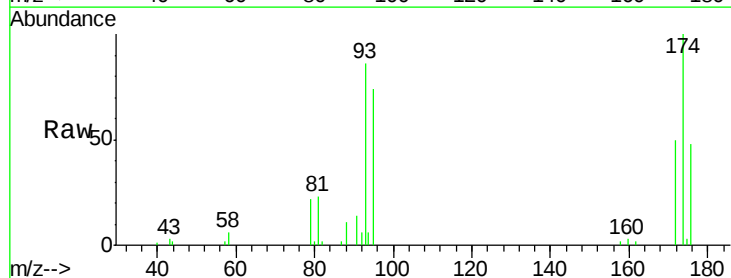
Tgt Ion: 93 Resp: 66532

Ion Ratio Lower Upper

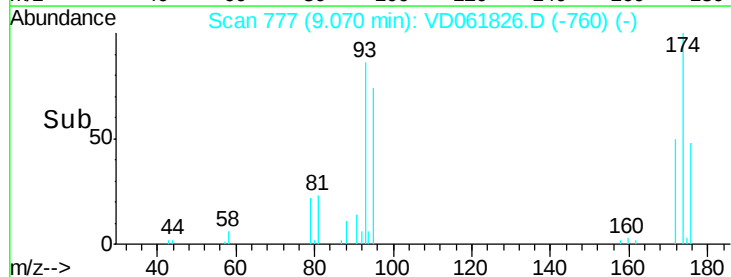
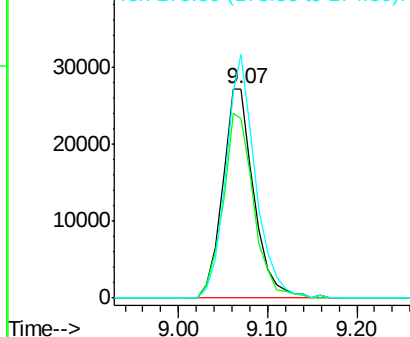
93 100

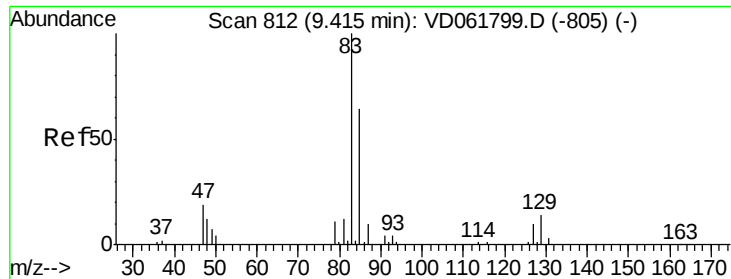
95 85.9 64.8 97.2

174 116.4 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC
Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 18.384 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.04 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

Instrument :
MSVOA_D
ClientSampled :

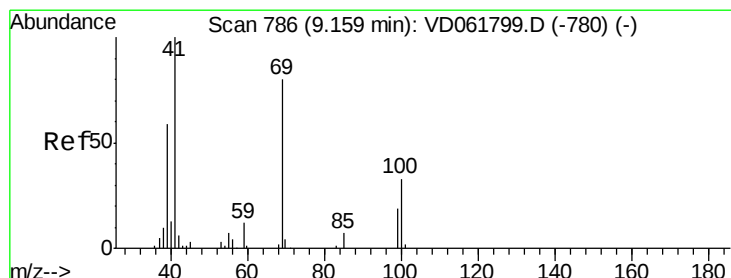
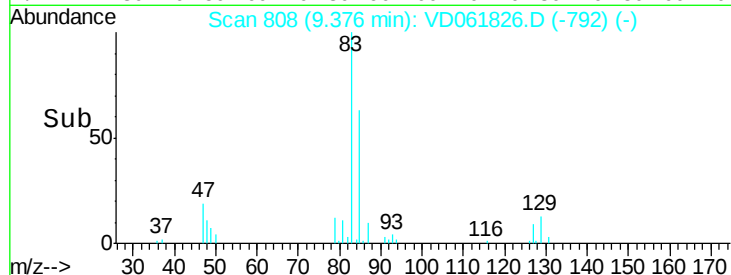
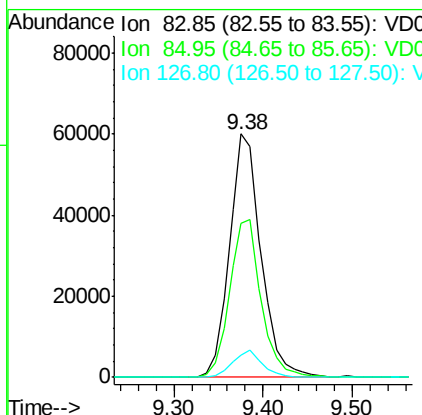
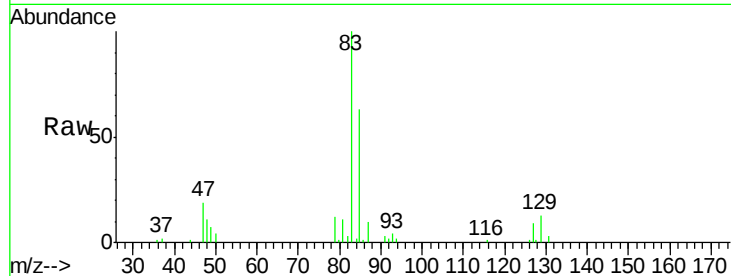
Tot Ion: 83 Resp: 148513

Ion Ratio Lower Upper

83 100

85 63.5 50.9 76.3

127 9.3 8.1 12.1



#48

Methyl methacrylate

Concen: 18.393 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.04 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

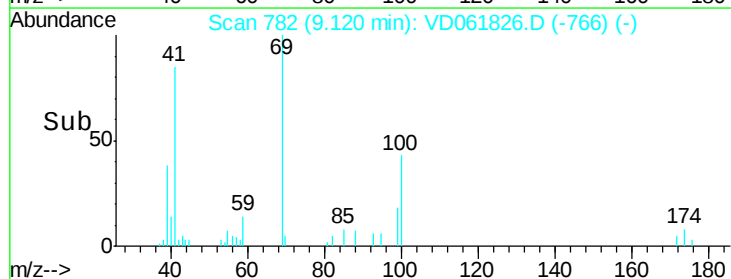
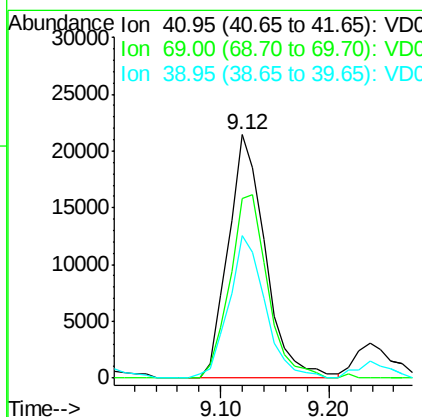
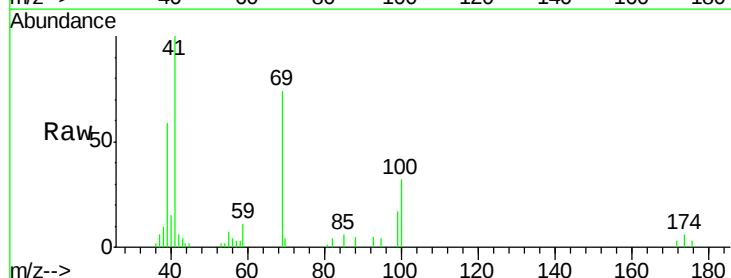
Tgt Ion: 41 Resp: 51173

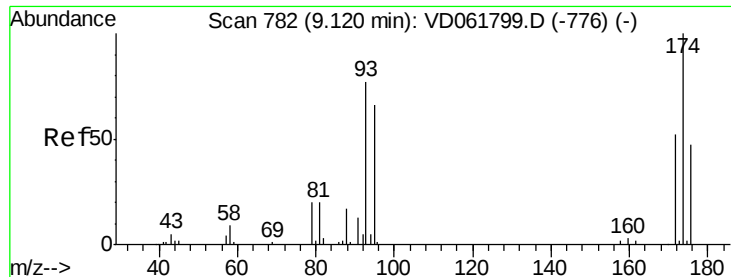
Ion Ratio Lower Upper

41 100

69 73.7 64.2 96.2

39 58.5 46.8 70.2

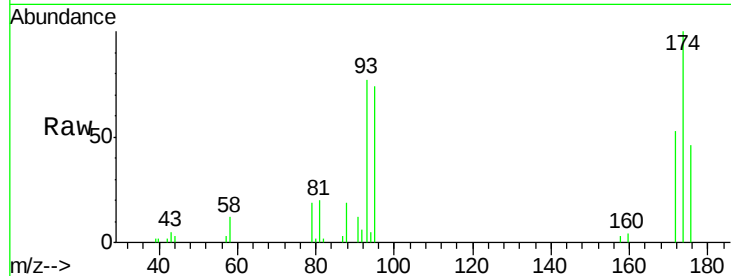




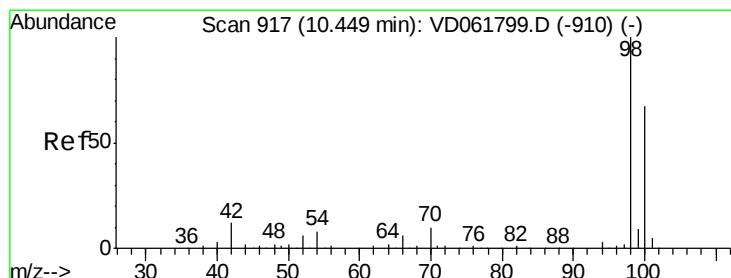
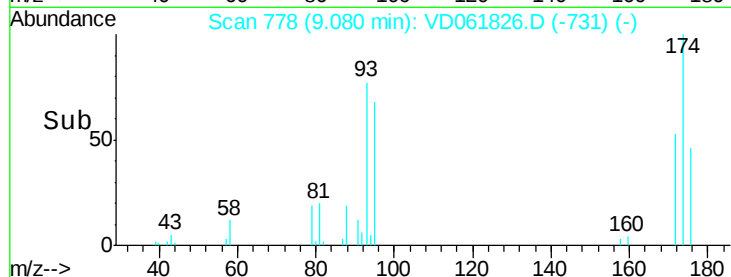
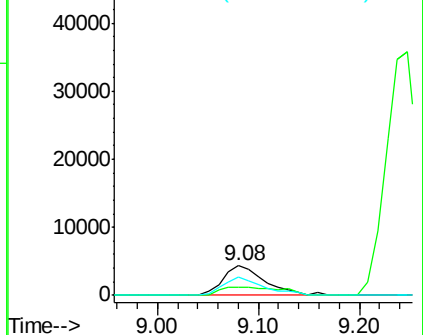
#49
1,4-Dioxane
Concen: 412.772 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.04 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 12552
Ion Ratio Lower Upper
88 100
43 27.7 23.4 35.0
58 60.8 44.0 66.0

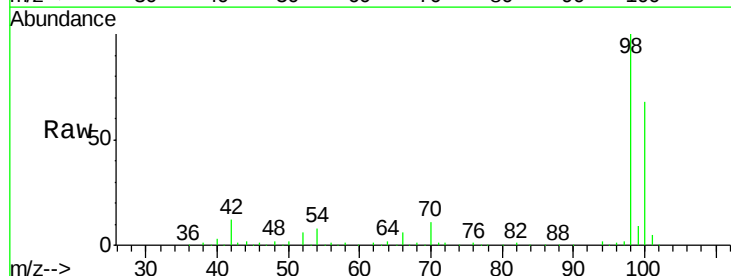


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

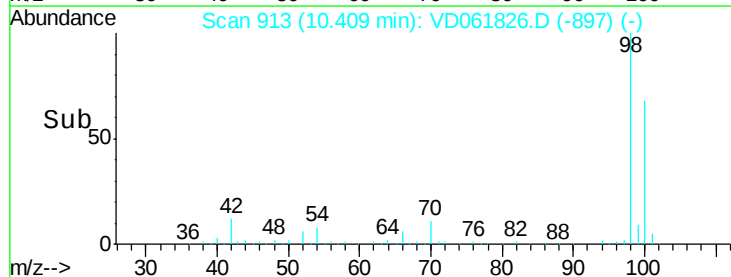
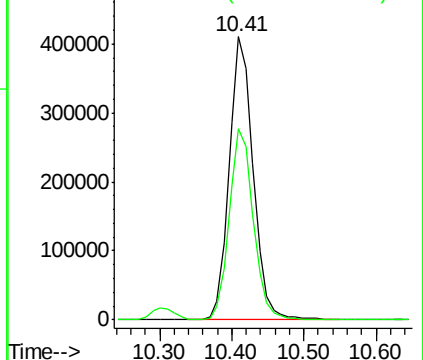


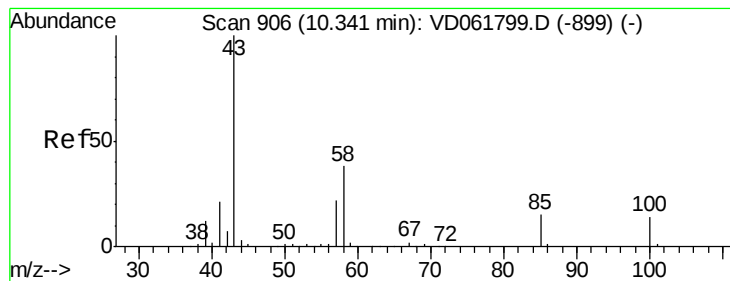
#50
Toluene-d8
Concen: 412.772 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.04 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Tgt Ion: 98 Resp: 948134
Ion Ratio Lower Upper
98 100
100 67.5 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 104.157 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.04 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

Instrument :

MSVOA_D

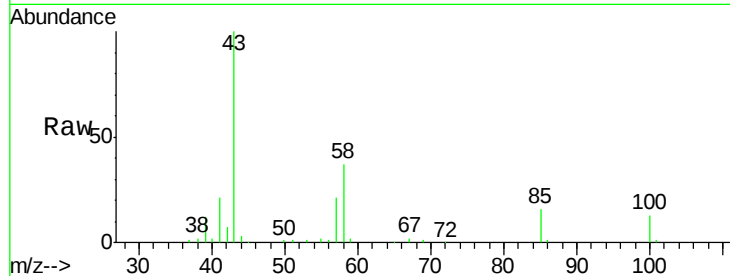
ClientSampleId :

Tot Ion: 43 Resp: 301474

Ion Ratio Lower Upper

43 100

58 36.7 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

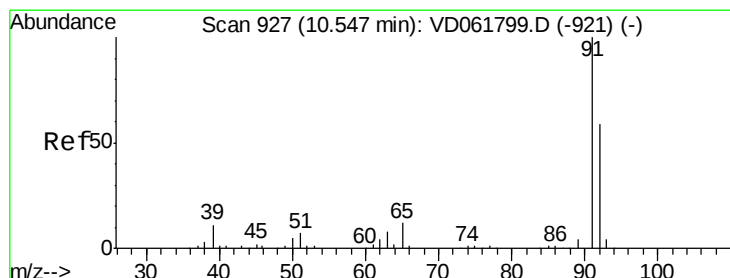
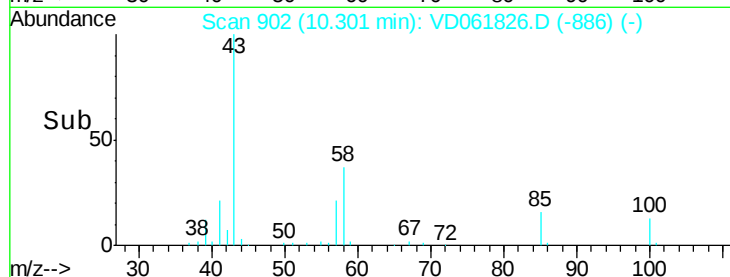
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.586 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.04 min

Lab File: VD061826.D

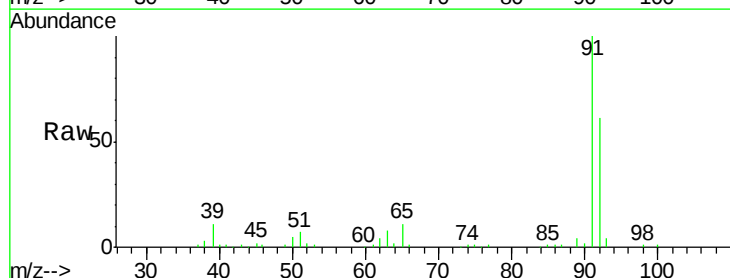
Acq: 17 Apr 2019 00:56

Tgt Ion: 92 Resp: 224702

Ion Ratio Lower Upper

92 100

91 164.5 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

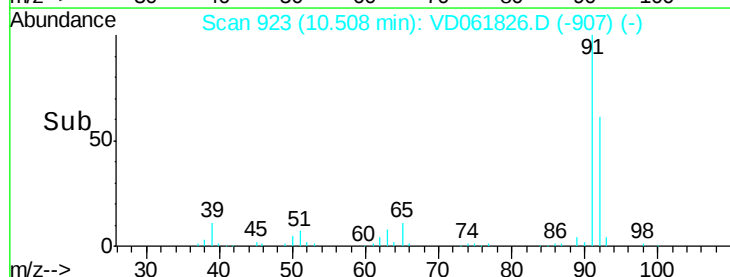
150000

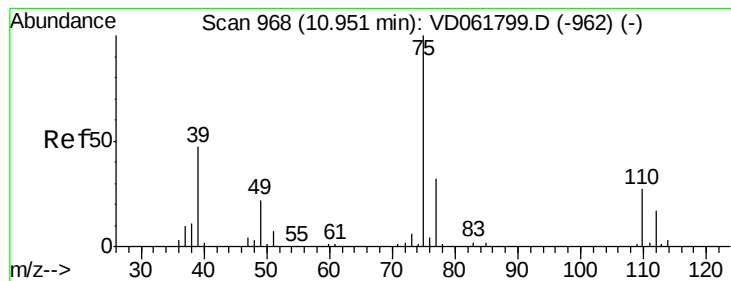
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.045 ug/l

RT: 10.91 min Scan# 964

Delta R.T. -0.04 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

Instrument :

MSVOA_D

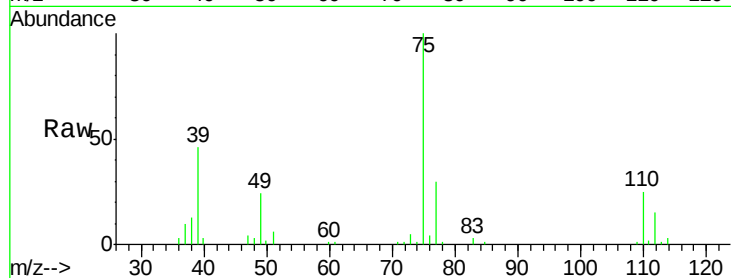
ClientSampleId :

Tot Ion: 75 Resp: 138626

Ion Ratio Lower Upper

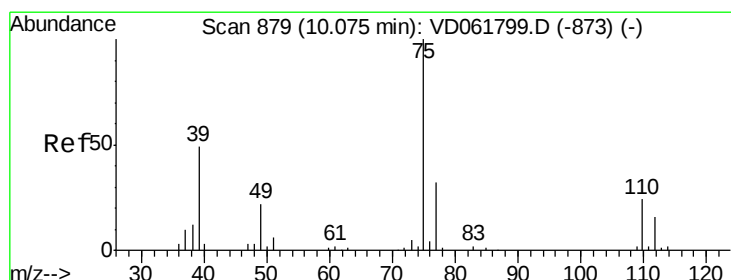
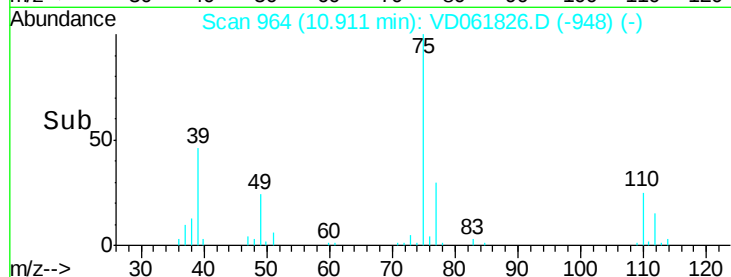
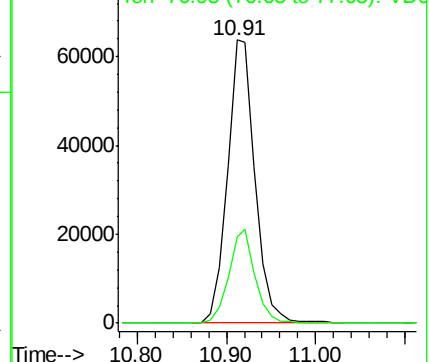
75 100

77 30.4 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.071 ug/l

RT: 10.05 min Scan# 876

Delta R.T. -0.03 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

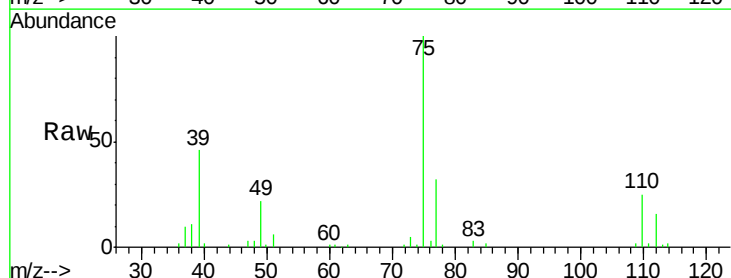
Tgt Ion: 75 Resp: 162947

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3

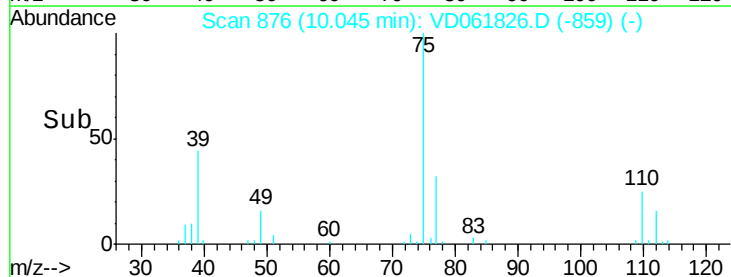
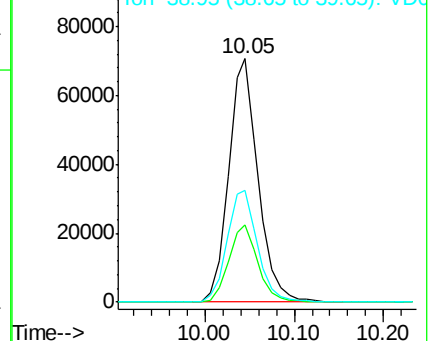
39 45.7 39.4 59.2

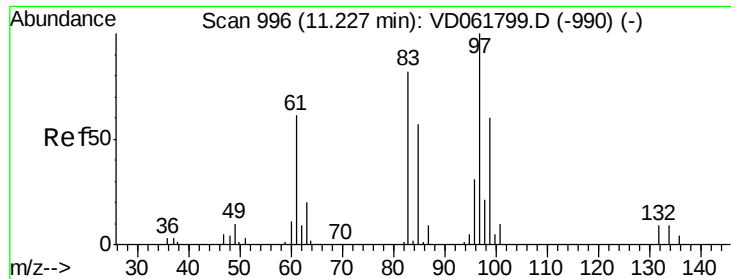


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

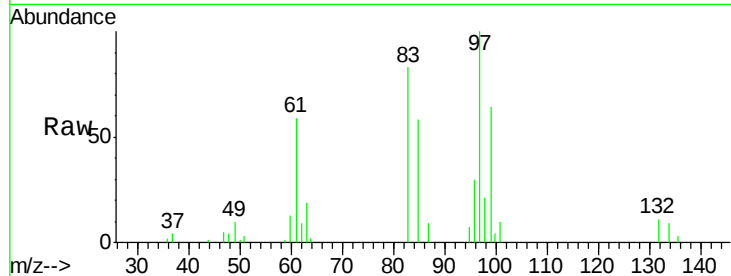




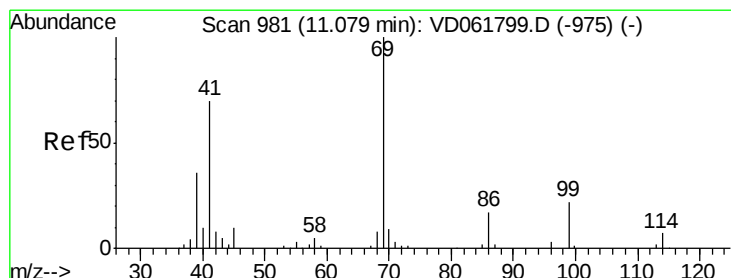
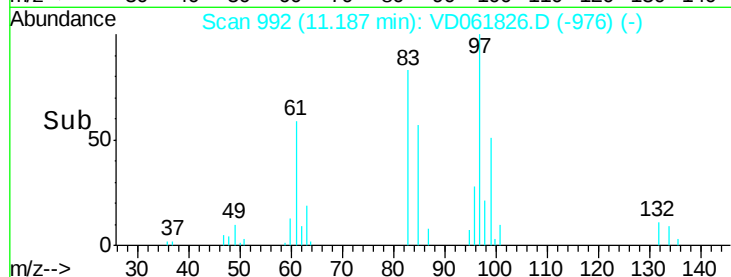
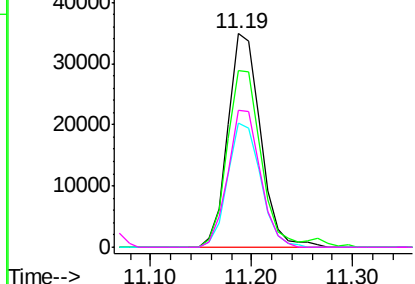
#55
 1,1,2-Trichloroethane
 Concen: 19.227 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.04 min
 Lab File: VD061826.D
 Acq: 17 Apr 2019 00:56

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	78331
Ion	Ratio	Lower	Upper
97	100		
83	82.7	65.7	98.5
85	58.3	45.6	68.4
99	64.2	48.4	72.6

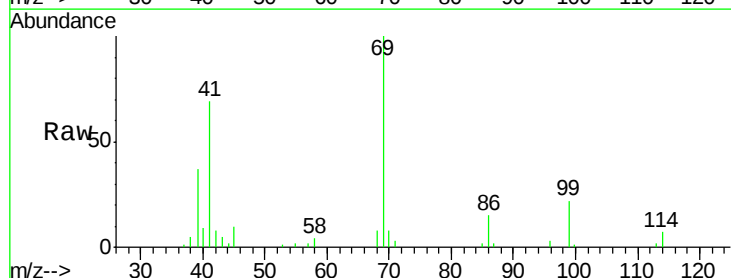


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

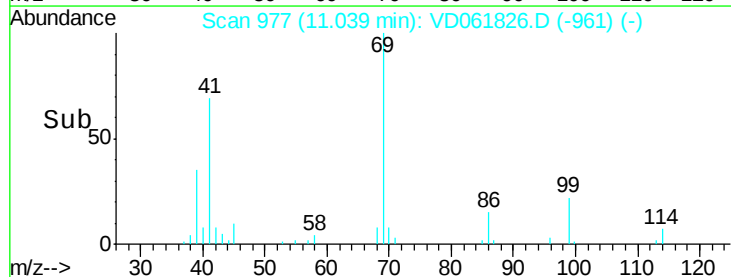
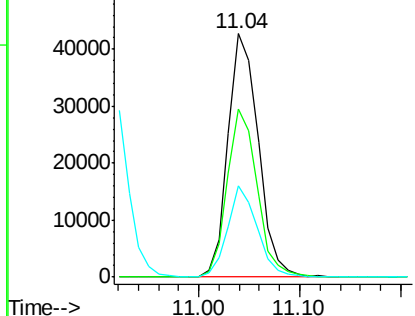


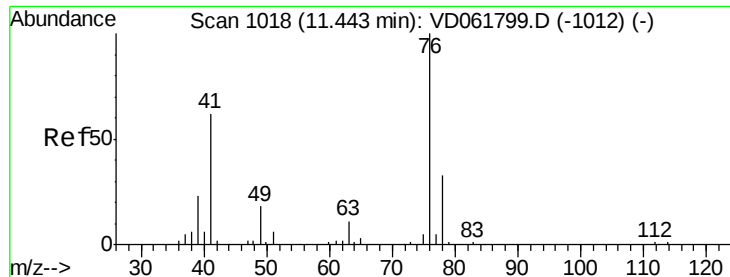
#56
 Ethyl methacrylate
 Concen: 20.029 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.04 min
 Lab File: VD061826.D
 Acq: 17 Apr 2019 00:56

Tgt Ion:	69	Resp:	89555
Ion	Ratio	Lower	Upper
69	100		
41	69.0	56.3	84.5
39	37.4	29.4	44.2



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

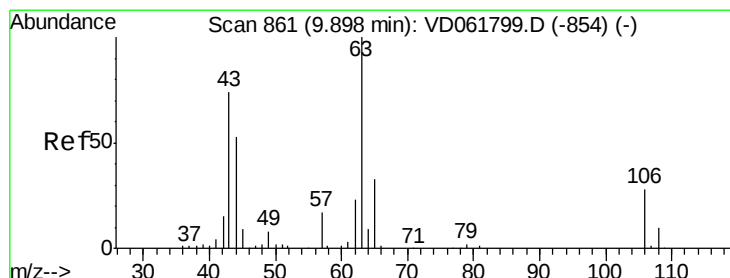
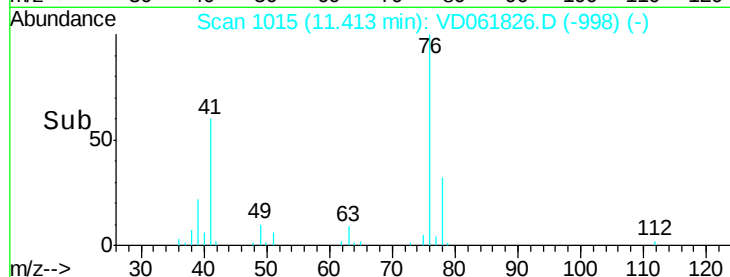
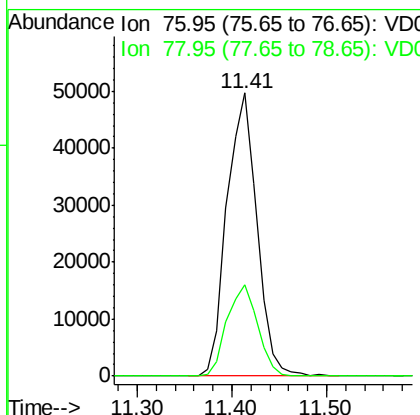
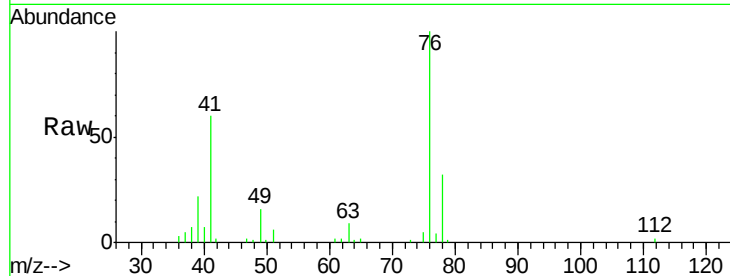




#57
 1,3-Dichloropropane
 Concen: 17.783 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. -0.03 min
 Lab File: VD061826.D
 Acq: 17 Apr 2019 00:56

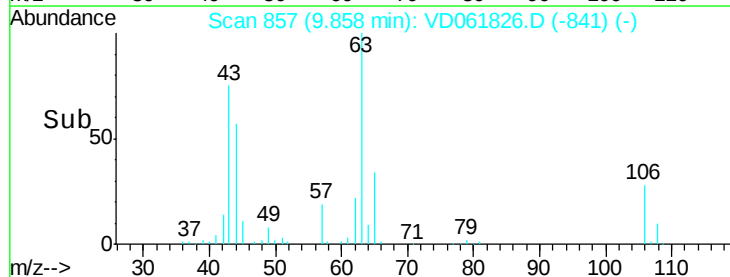
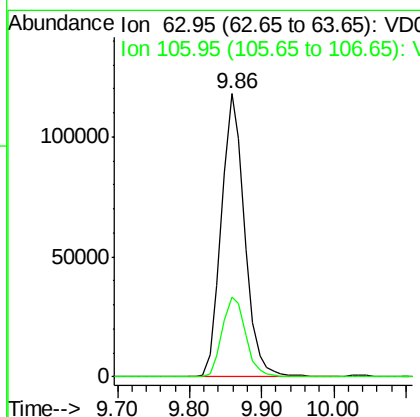
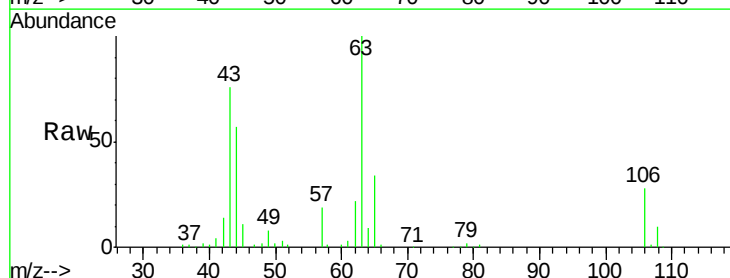
Instrument :
 MSVOA_D
 ClientSampleId :

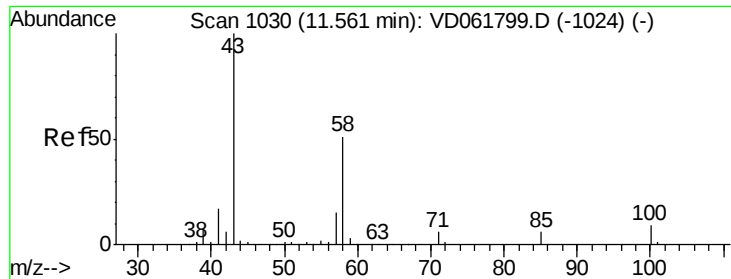
Tot Ion: 76 Resp: 108916
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 123.626 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.04 min
 Lab File: VD061826.D
 Acq: 17 Apr 2019 00:56

Tgt Ion: 63 Resp: 262920
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.6 34.0

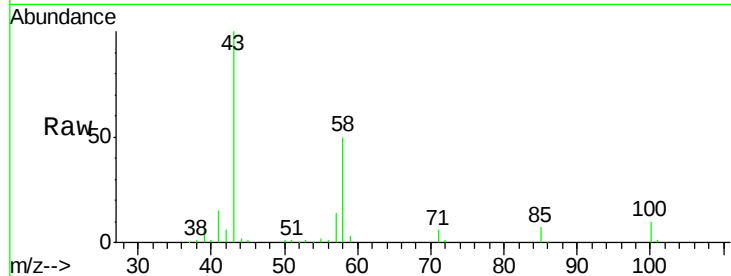




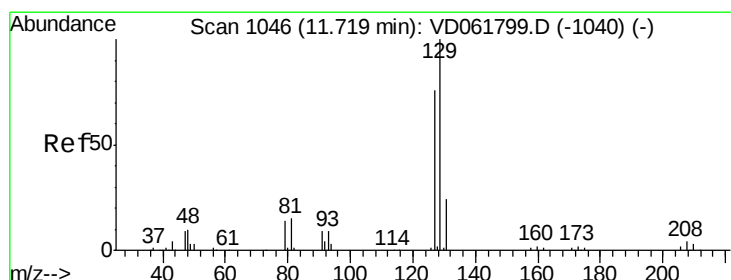
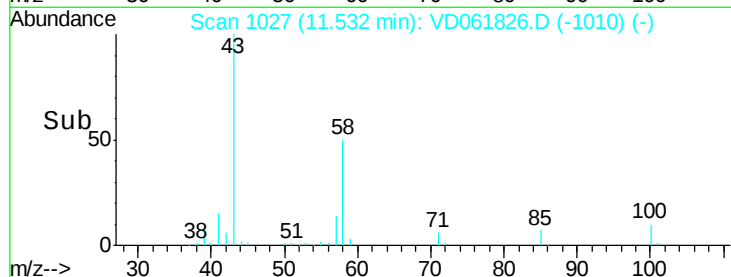
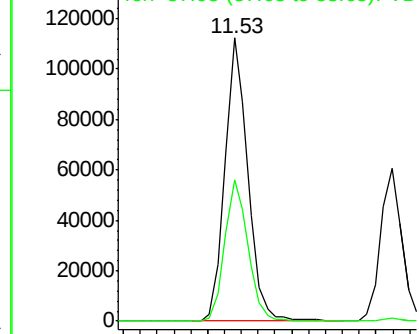
#59
2-Hexanone
Concen: 98.391 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.03 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 211517
Ion Ratio Lower Upper
43 100
58 49.8 25.4 76.4

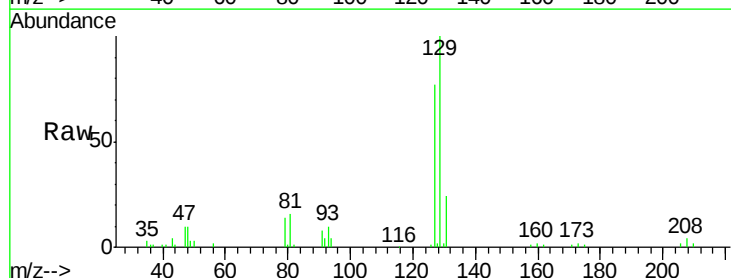


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

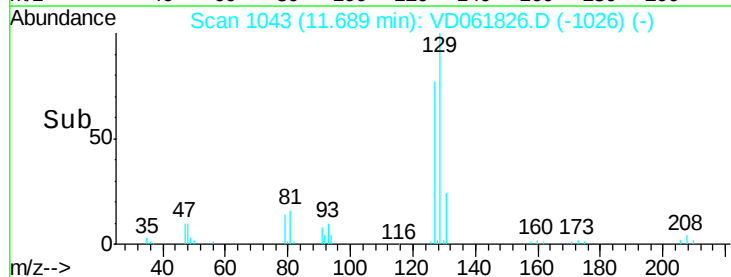
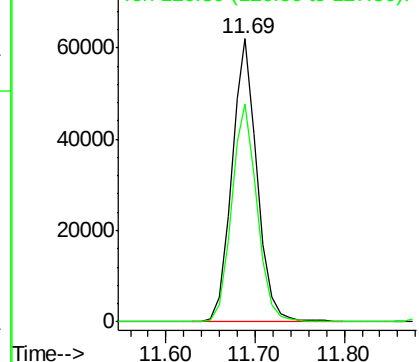


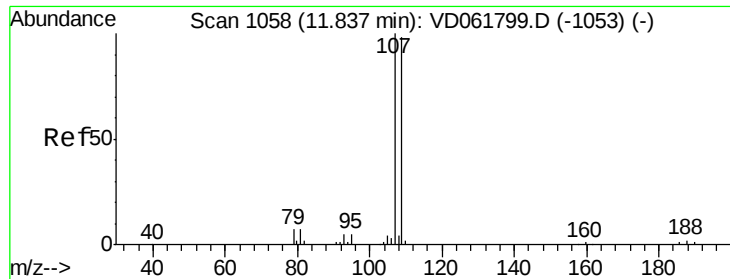
#60
Dibromochloromethane
Concen: 18.402 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.03 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Tgt Ion: 129 Resp: 122664
Ion Ratio Lower Upper
129 100
127 77.2 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

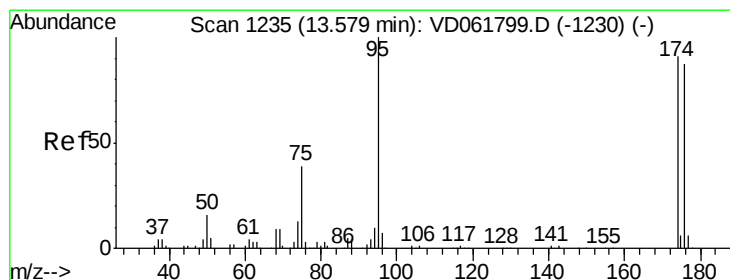
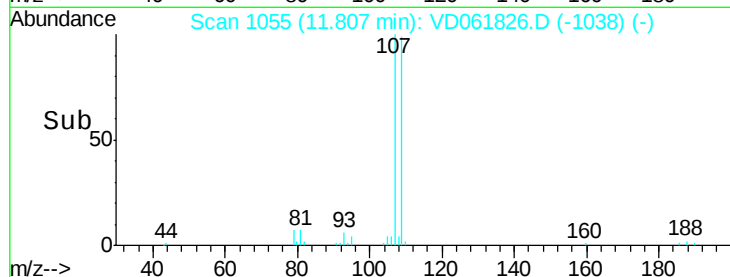
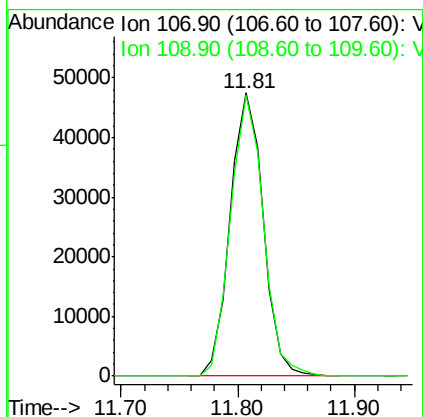
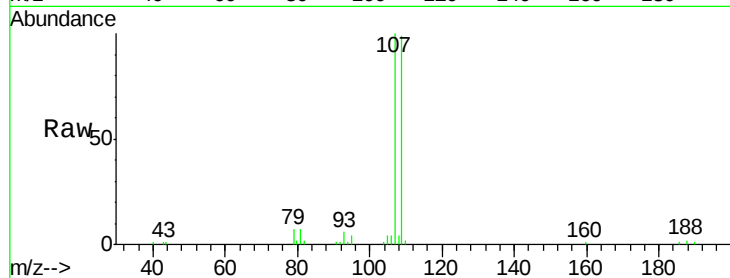




#61
1,2-Dibromoethane
Concen: 18.596 ug/l
RT: 11.81 min Scan# 1055
Delta R.T. -0.03 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

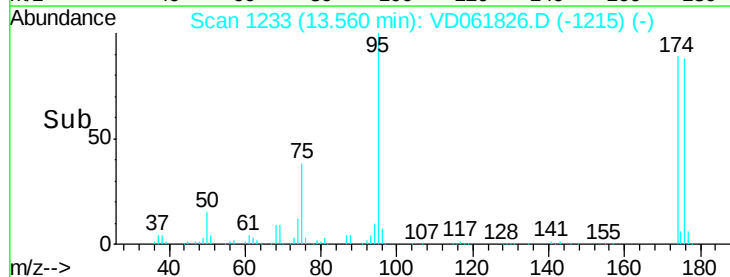
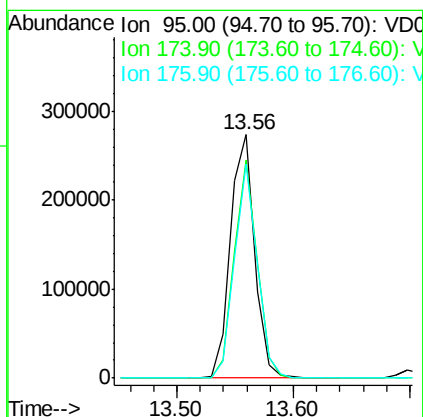
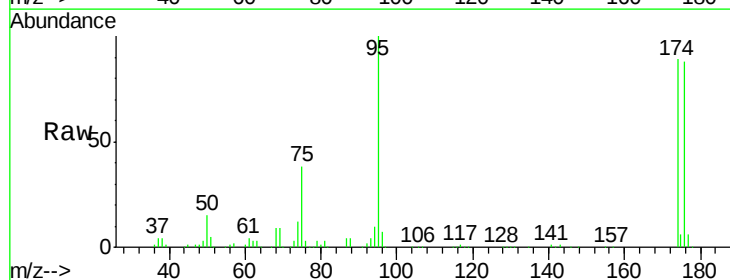
Instrument :
MSVOA_D
ClientSampleId :

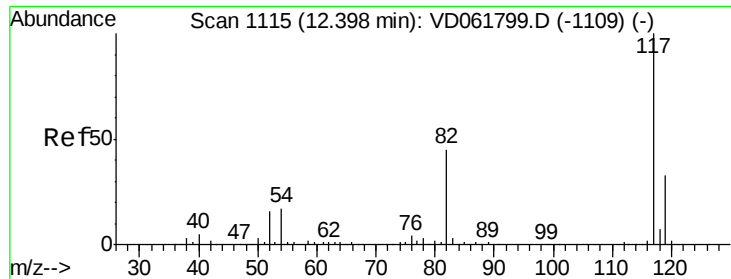
Tot Ion:107 Resp: 93152
Ion Ratio Lower Upper
107 100
109 99.2 78.3 117.5



#62
4-Bromofluorobenzene
Concen: 18.596 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.02 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Tgt Ion: 95 Resp: 392970
Ion Ratio Lower Upper
95 100
174 89.5 0.0 181.8
176 87.9 0.0 174.4

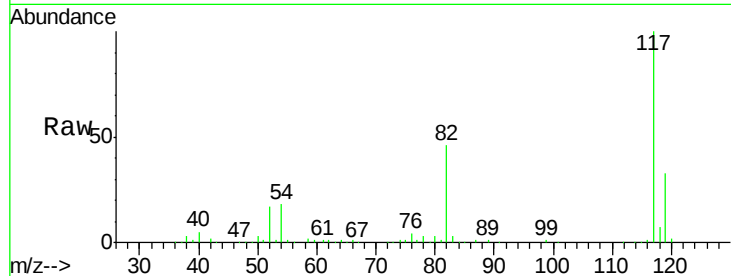




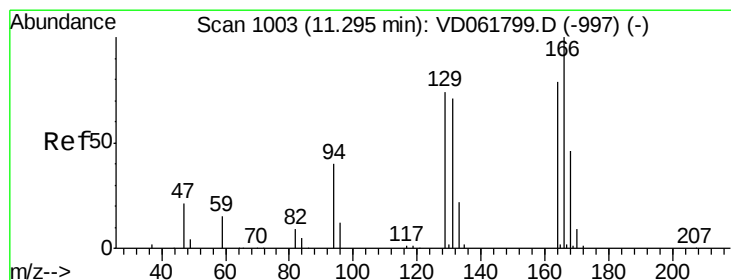
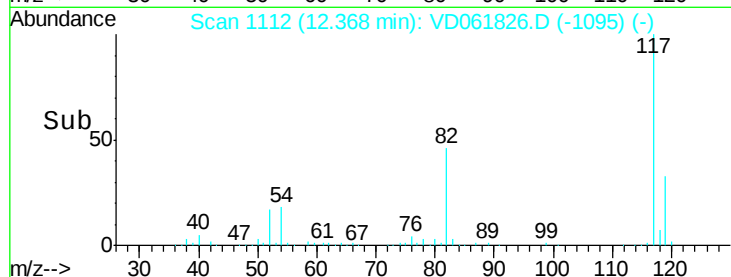
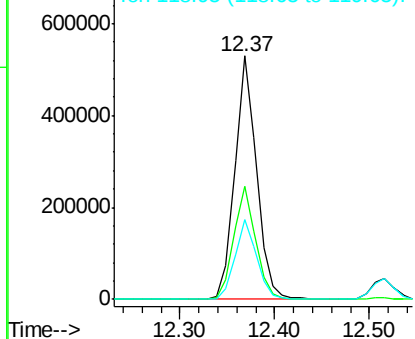
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.03 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 844033
Ion Ratio Lower Upper
117 100
82 46.4 36.2 54.2
119 32.7 26.2 39.4

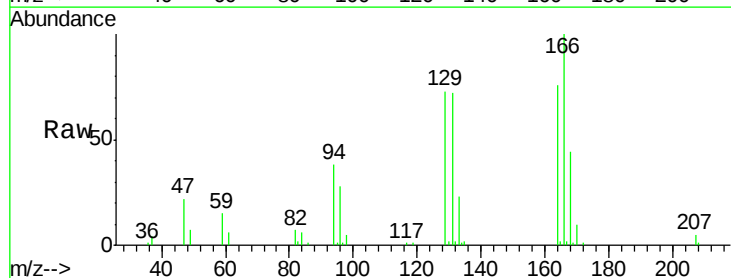


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

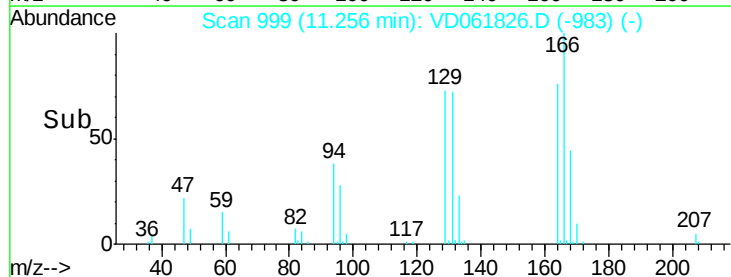
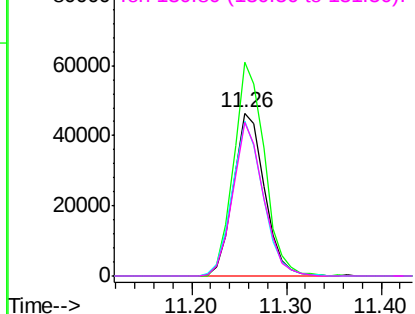


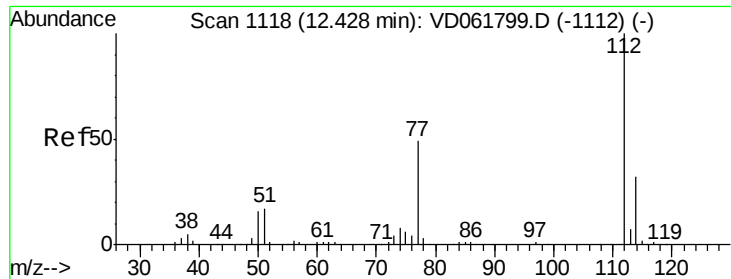
#64
Tetrachloroethene
Concen: 16.728 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.04 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Tgt Ion:164 Resp: 105884
Ion Ratio Lower Upper
164 100
166 131.3 101.5 152.3
129 95.3 74.6 112.0
131 94.8 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: 19.504 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. -0.03 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

Instrument :

MSVOA_D

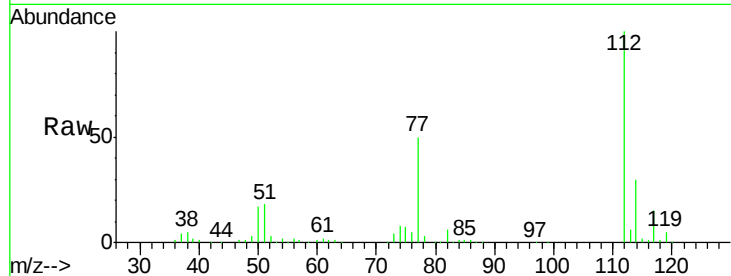
ClientSampleId :

Tot Ion:112 Resp: 306572

Ion Ratio Lower Upper

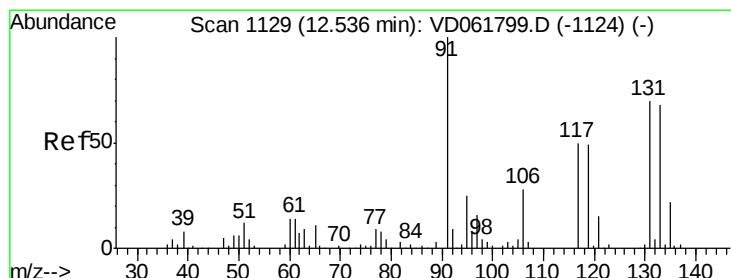
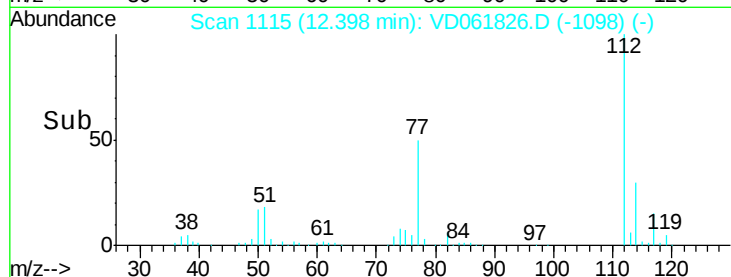
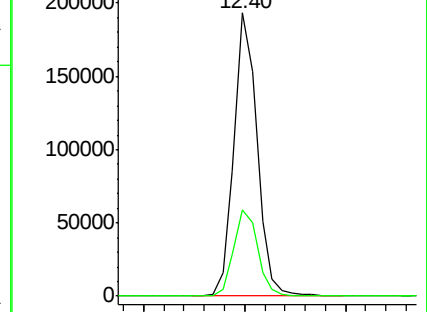
112 100

114 30.3 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 17.189 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.02 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

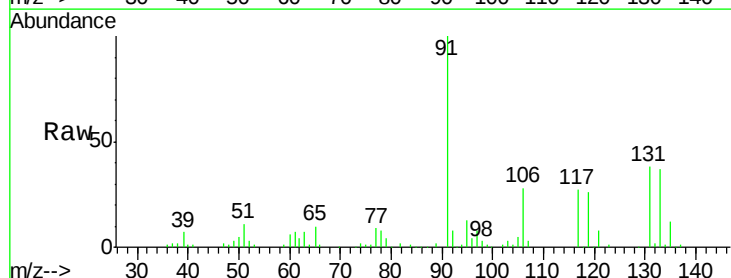
Tgt Ion:131 Resp: 113228

Ion Ratio Lower Upper

131 100

133 98.1 48.6 145.8

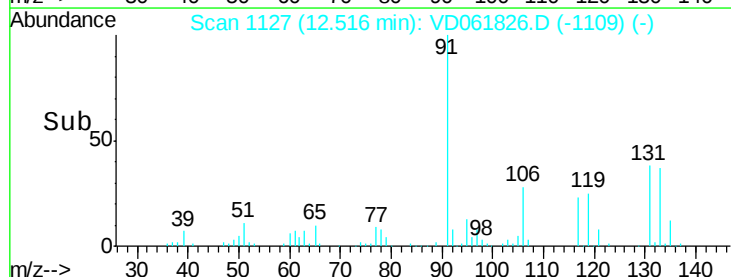
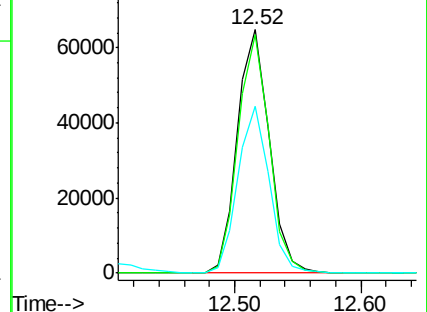
119 68.7 34.7 104.1

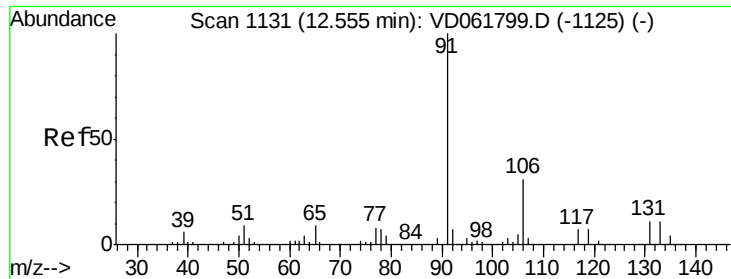


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

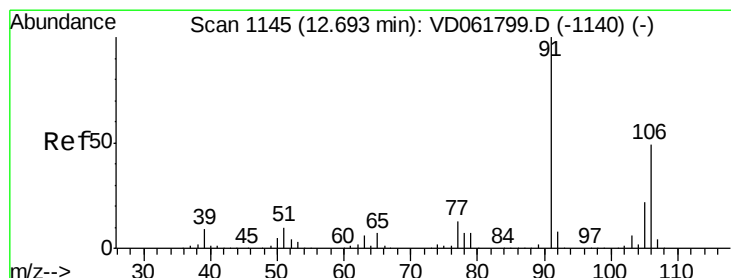
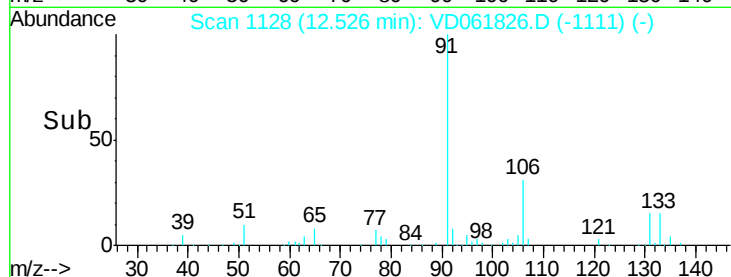
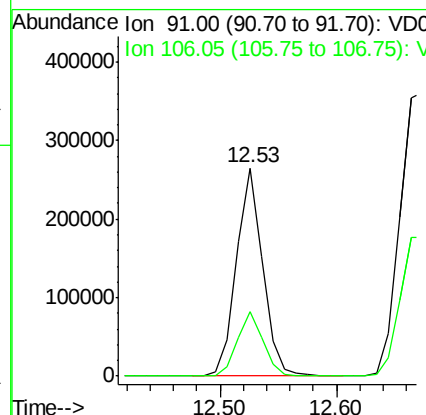
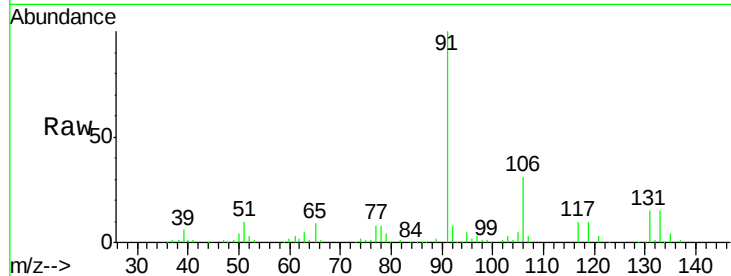




#67
Ethyl Benzene
Concen: 16.471 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.03 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

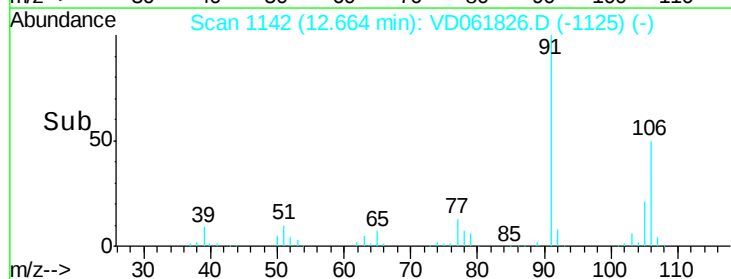
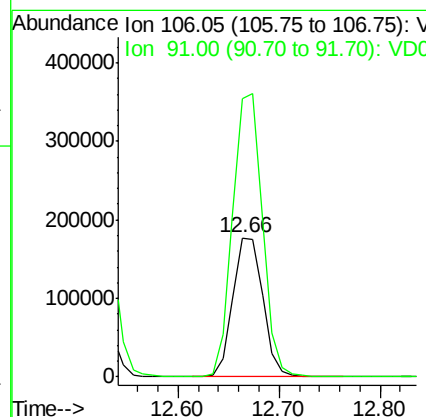
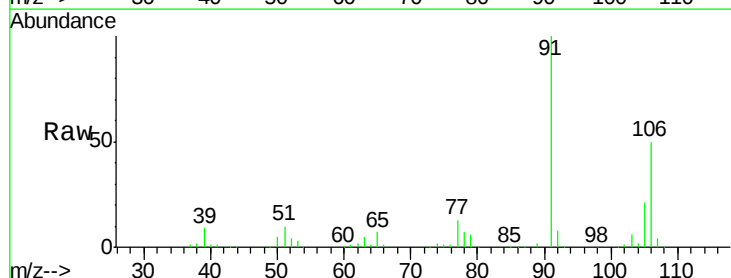
Instrument :
MSVOA_D
ClientSampled :

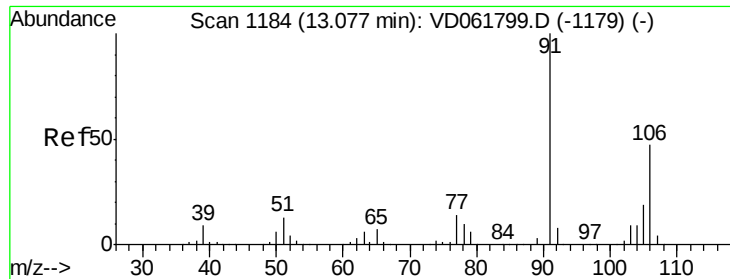
Tot Ion: 91 Resp: 414616
Ion Ratio Lower Upper
91 100
106 30.7 24.7 37.1



#68
m/p-Xylenes
Concen: 38.771 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.03 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Tgt Ion: 106 Resp: 366600
Ion Ratio Lower Upper
106 100
91 200.7 164.0 246.0

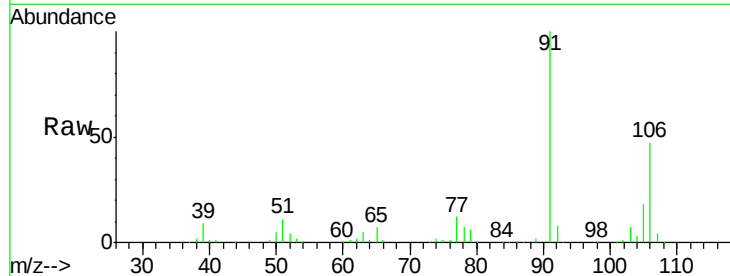




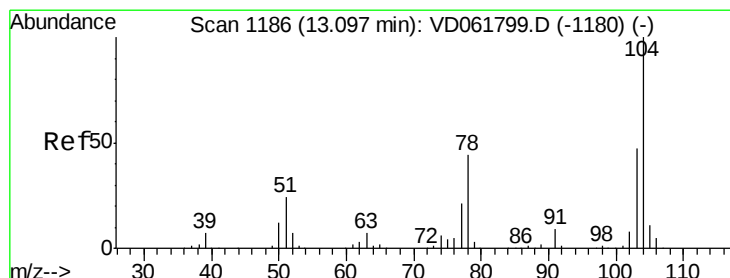
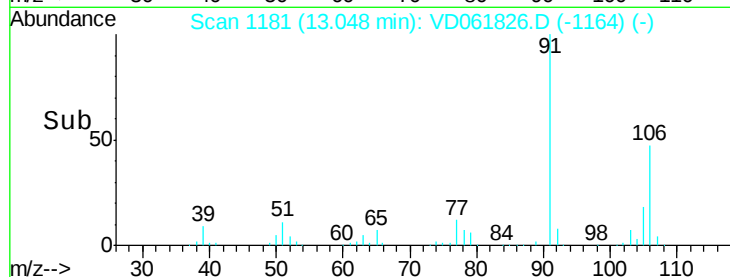
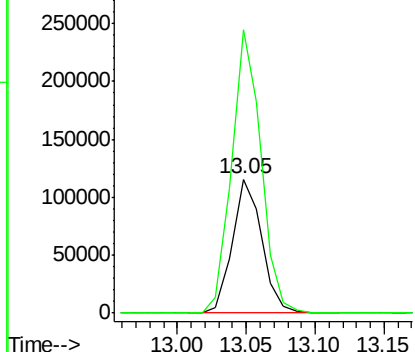
#69
o-Xylene
Concen: 19.398 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.03 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 172401
Ion Ratio Lower Upper
106 100
91 211.6 106.7 319.9

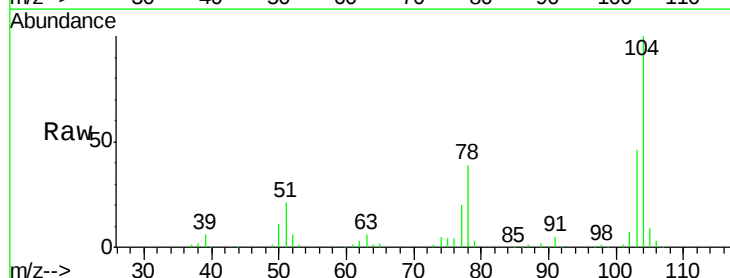


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

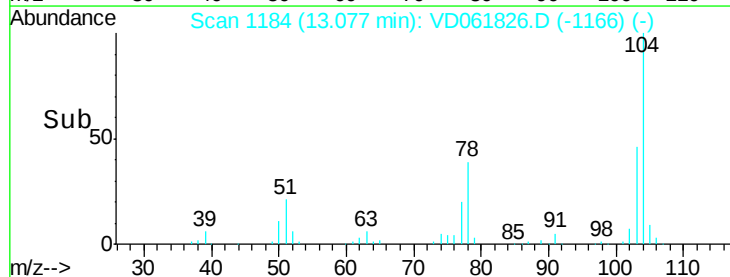
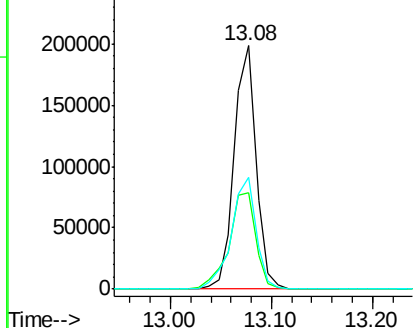


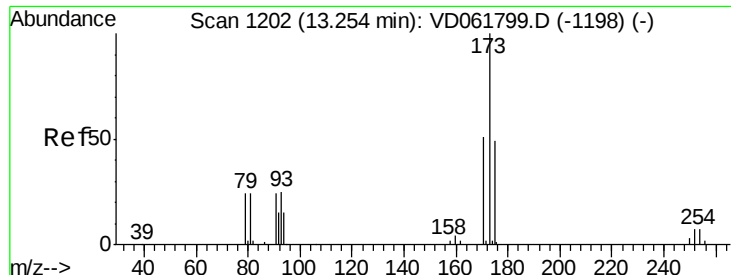
#70
Styrene
Concen: 19.541 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Tgt Ion:104 Resp: 298863
Ion Ratio Lower Upper
104 100
78 39.4 35.4 53.2
103 45.7 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: 18.467 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

Instrument :

MSVOA_D

ClientSampleId :

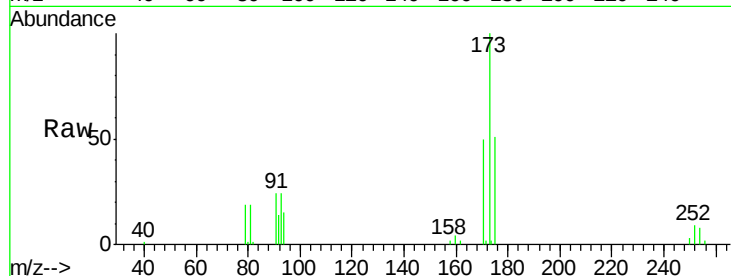
Tot Ion:173 Resp: 72206

Ion Ratio Lower Upper

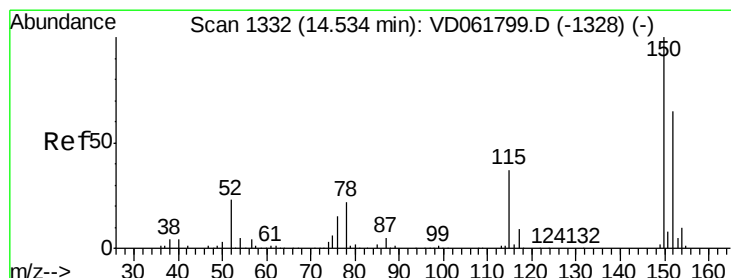
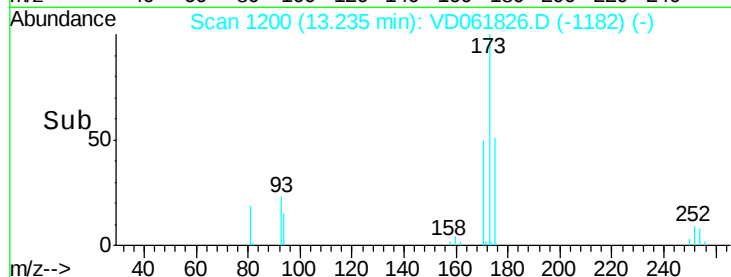
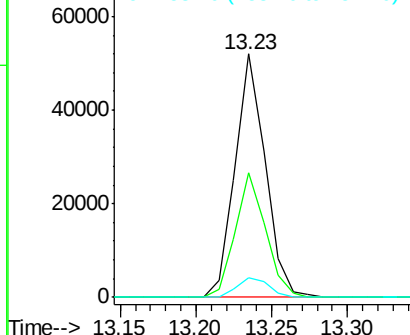
173 100

175 51.1 24.4 73.4

254 8.0 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: 14.52 min Scan# 1331

Delta R.T. -0.01 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

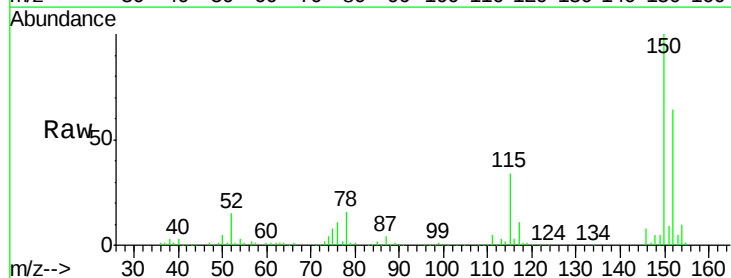
Tgt Ion:152 Resp: 392457

Ion Ratio Lower Upper

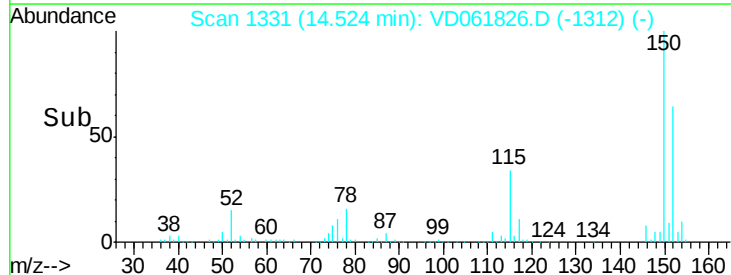
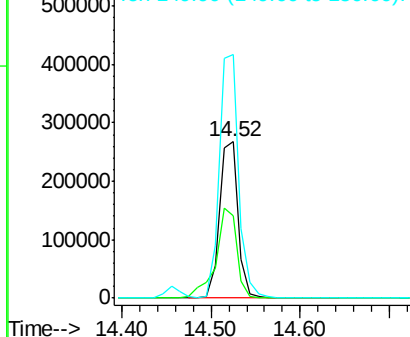
152 100

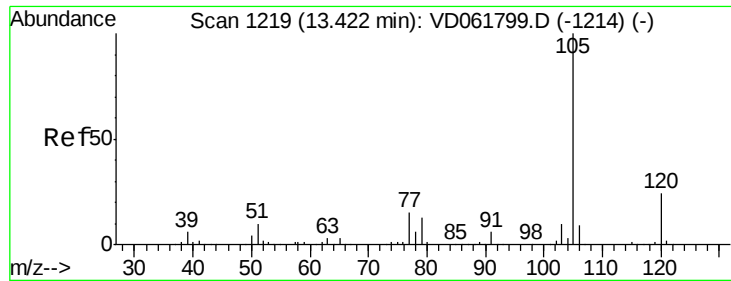
115 52.5 30.9 92.7

150 155.8 0.0 314.8



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





#73

Isopropylbenzene

Concen: 16.229 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.02 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

Instrument :

MSVOA_D

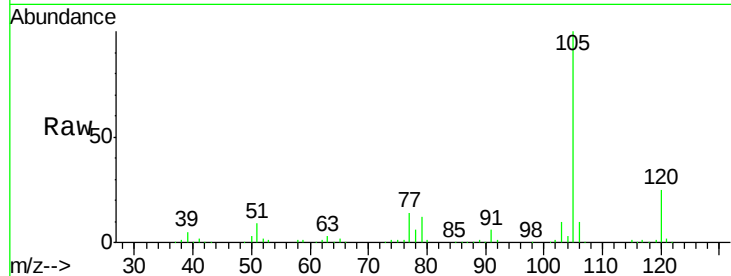
ClientSampleId :

Tot Ion:105 Resp: 413058

Ion Ratio Lower Upper

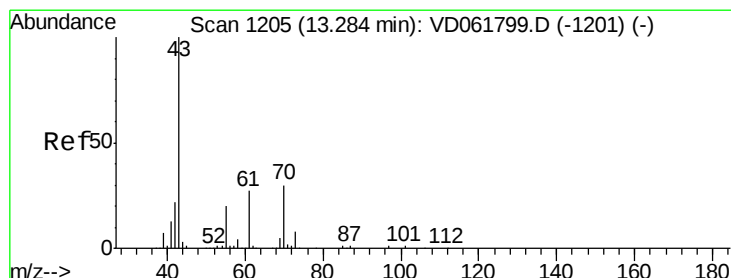
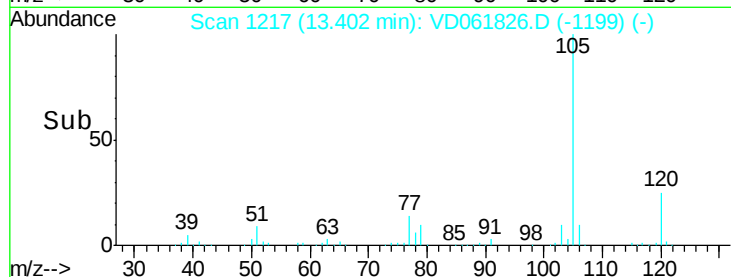
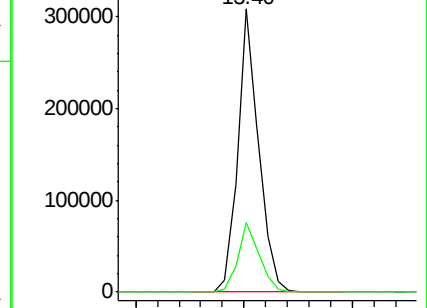
105 100

120 24.6 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: 17.748 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

Tgt Ion: 43 Resp: 121473

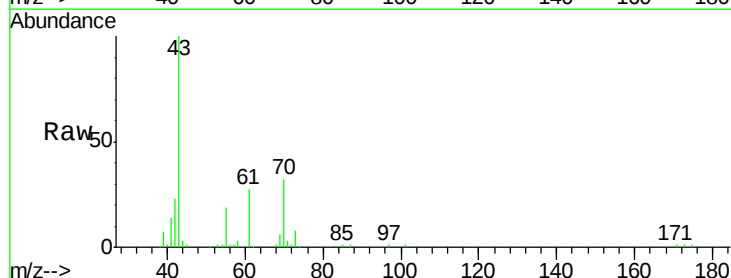
Ion Ratio Lower Upper

43 100

70 31.5 24.2 36.4

55 19.1 16.0 24.0

61 26.6 21.6 32.4

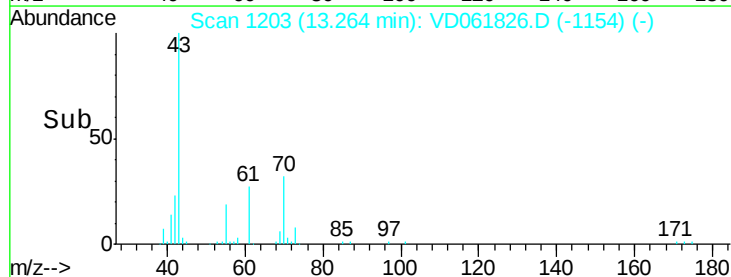
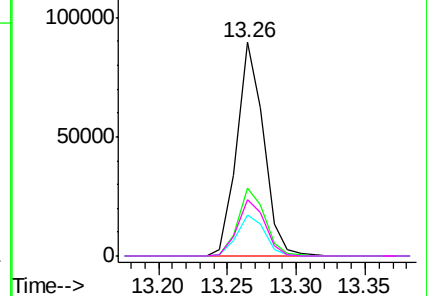


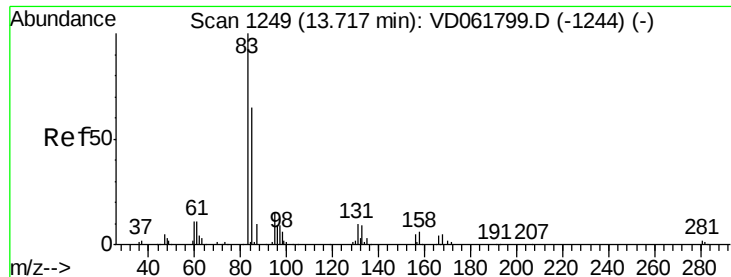
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 17.637 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.02 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

Instrument :

MSVOA_D

ClientSampleId :

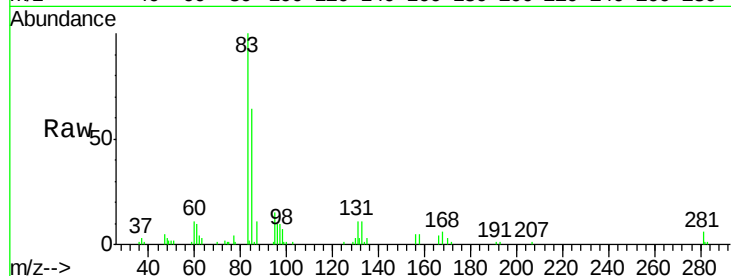
Tot Ion: 83 Resp: 88731

Ion Ratio Lower Upper

83 100

131 10.7 5.0 14.9

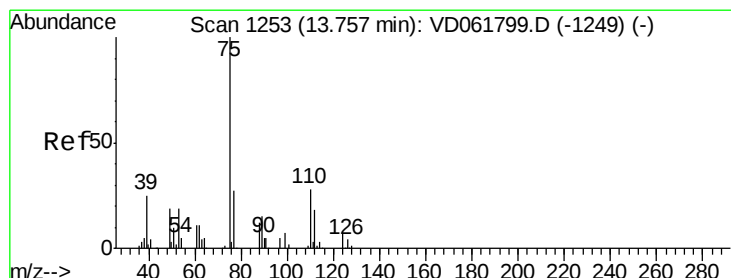
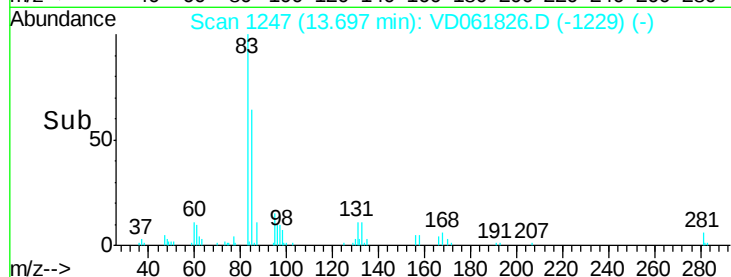
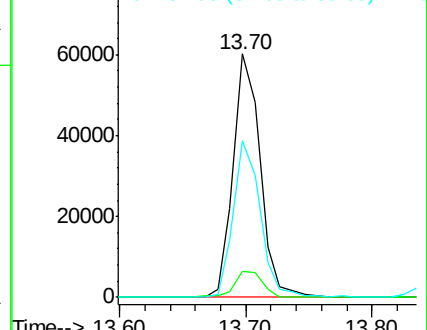
85 64.4 32.6 97.7



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: 18.035 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.02 min

Lab File: VD061826.D

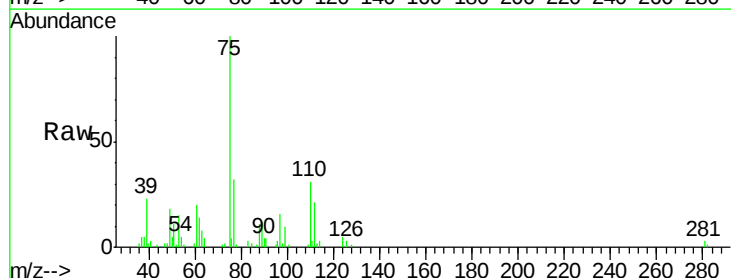
Acq: 17 Apr 2019 00:56

Tgt Ion: 75 Resp: 92950

Ion Ratio Lower Upper

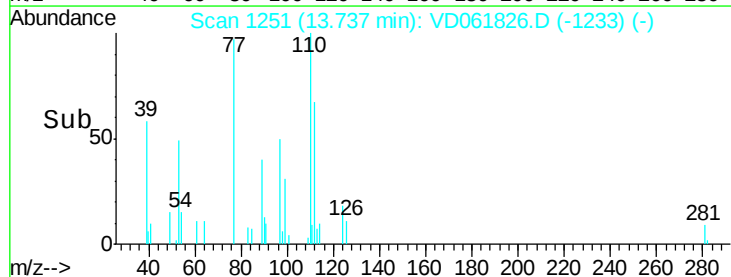
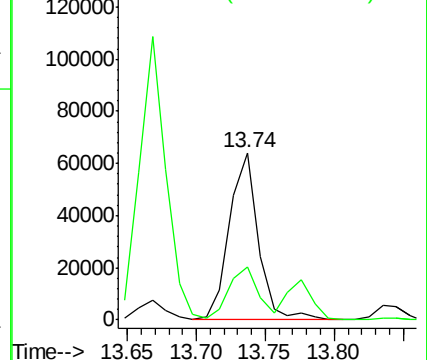
75 100

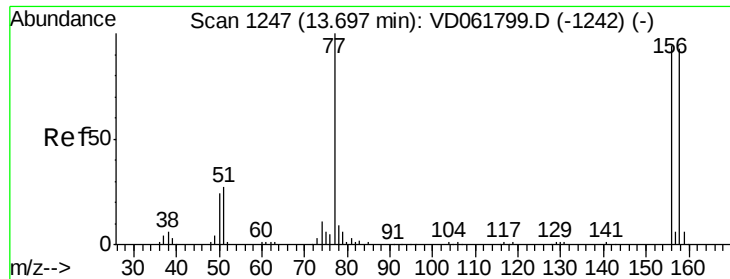
77 31.5 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 17.479 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.03 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

Instrument :

MSVOA_D

ClientSampleId :

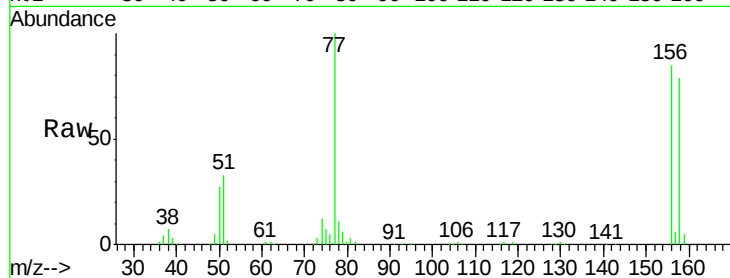
Tot Ion:156 Resp: 126371

Ion Ratio Lower Upper

156 100

77 117.7 53.1 159.4

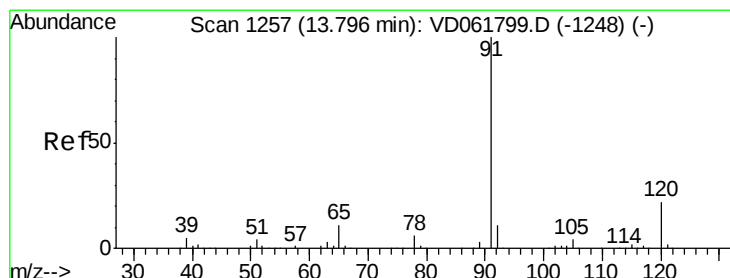
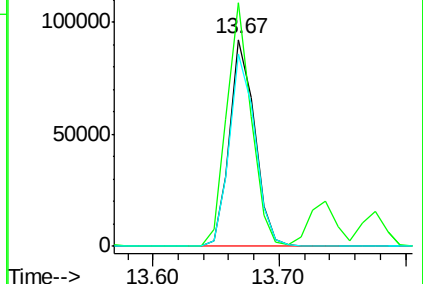
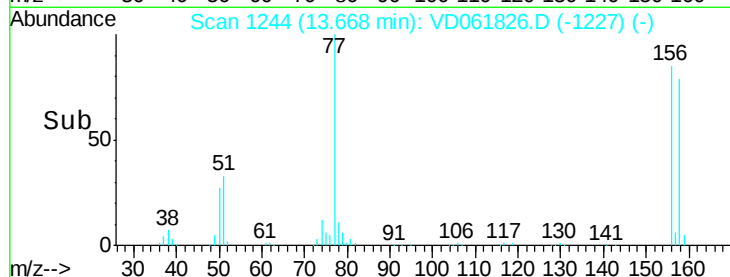
158 93.1 49.4 148.0



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: 18.505 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.02 min

Lab File: VD061826.D

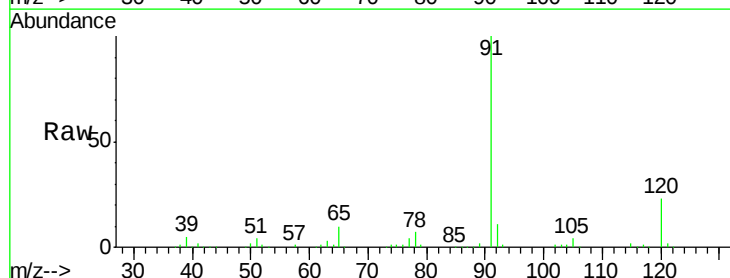
Acq: 17 Apr 2019 00:56

Tgt Ion: 91 Resp: 544166

Ion Ratio Lower Upper

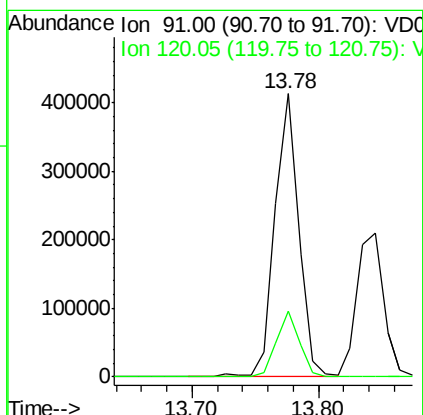
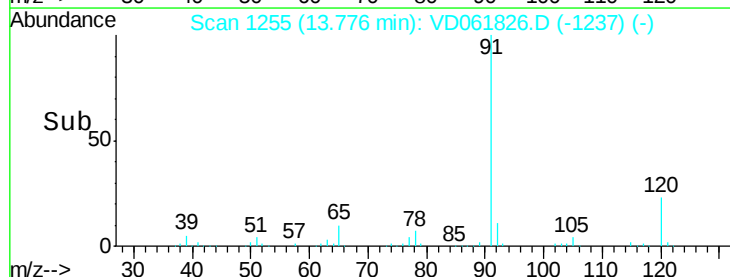
91 100

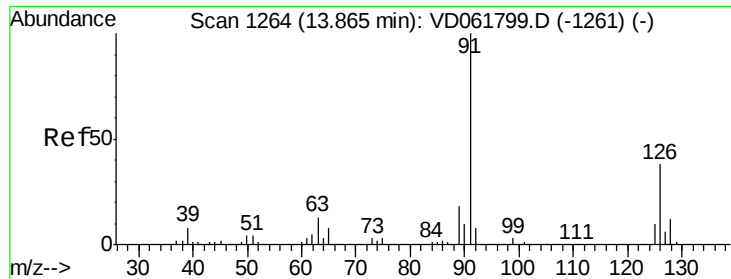
120 23.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

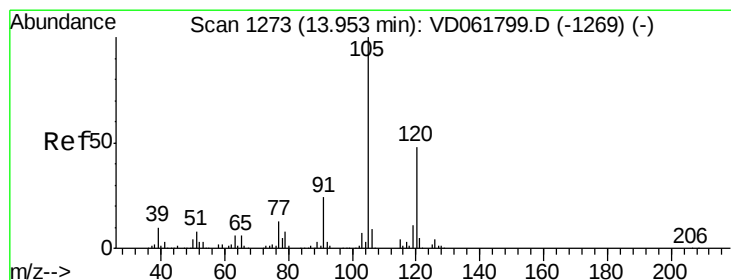
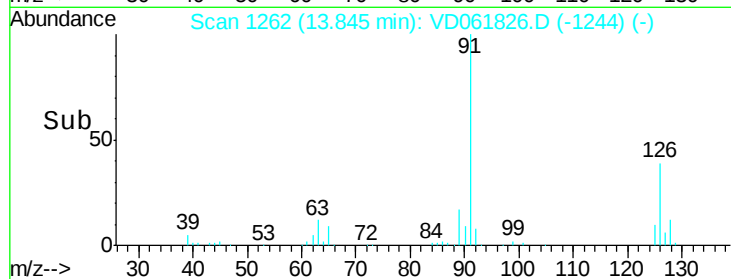
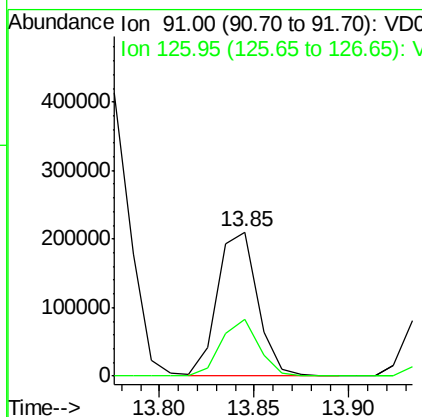
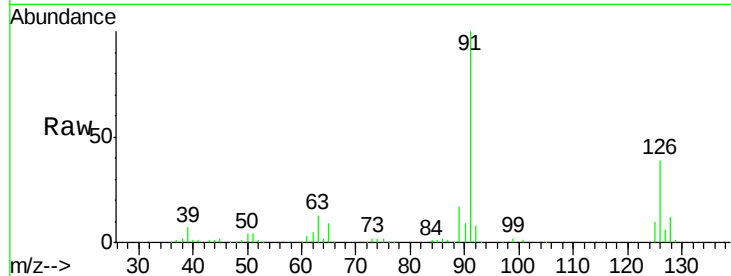




#79
 2-Chlorotoluene
 Concen: 17.944 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. -0.02 min
 Lab File: VD061826.D
 Acq: 17 Apr 2019 00:56

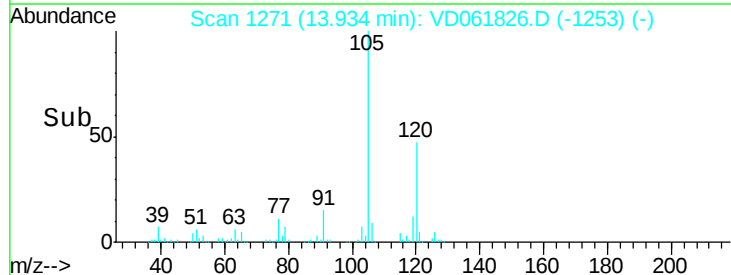
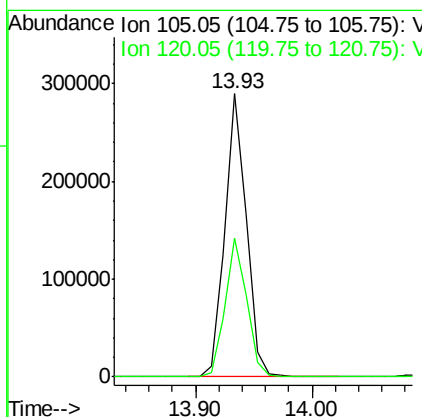
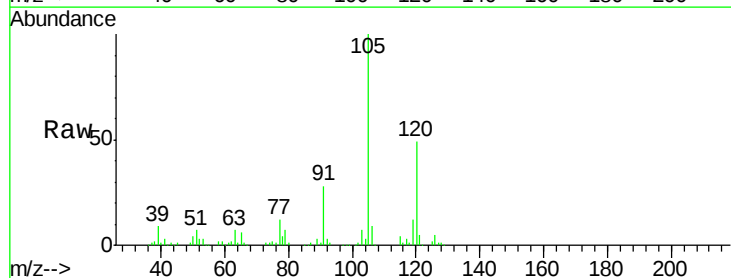
Instrument :
 MSVOA_D
 ClientSampleId :

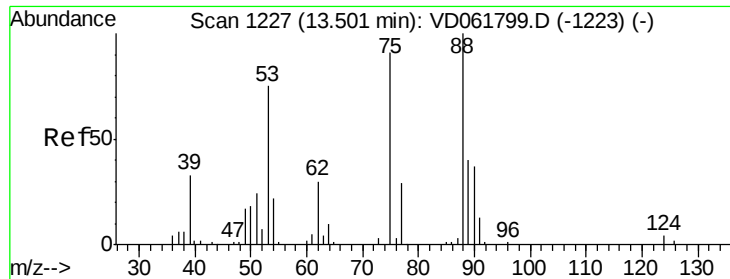
Tot Ion: 91 Resp: 308255
 Ion Ratio Lower Upper
 91 100
 126 39.0 18.6 55.8



#80
 1,3,5-Trimethylbenzene
 Concen: 18.263 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. -0.02 min
 Lab File: VD061826.D
 Acq: 17 Apr 2019 00:56

Tgt Ion: 105 Resp: 368828
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.973 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

Instrument :

MSVOA_D

ClientSampleId :

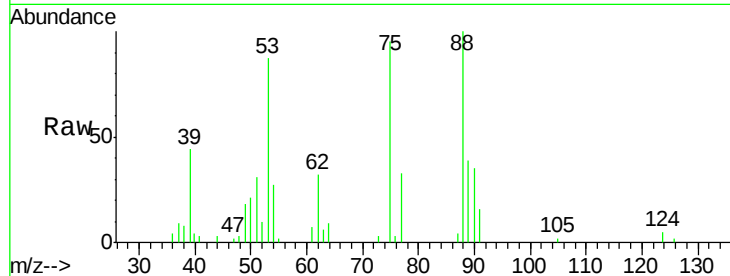
Tot Ion: 75 Resp: 26217

Ion Ratio Lower Upper

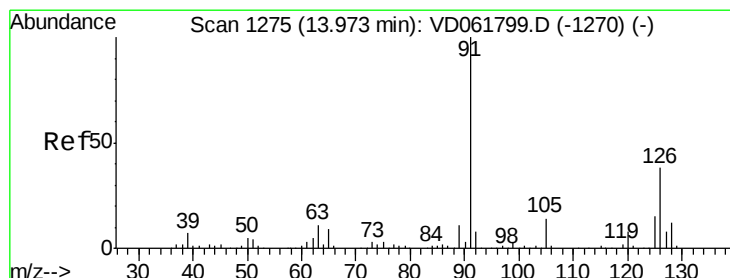
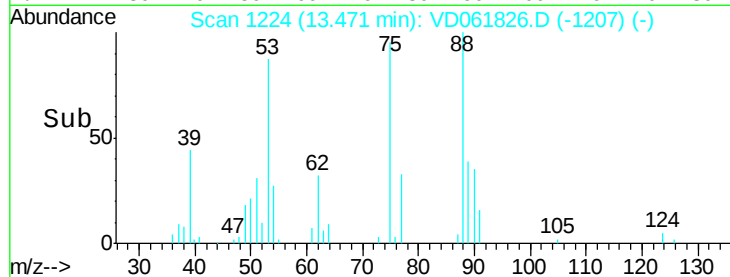
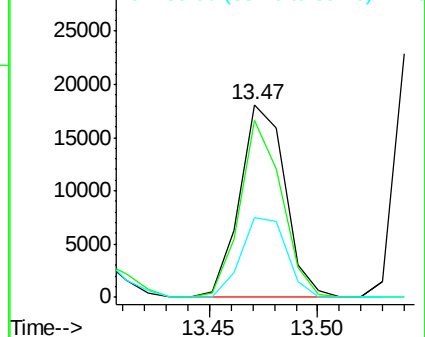
75 100

53 91.6 65.8 98.8

89 41.2 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 17.849 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.03 min

Lab File: VD061826.D

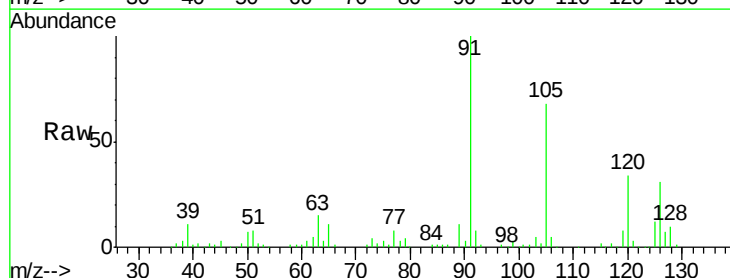
Acq: 17 Apr 2019 00:56

Tgt Ion: 91 Resp: 350957

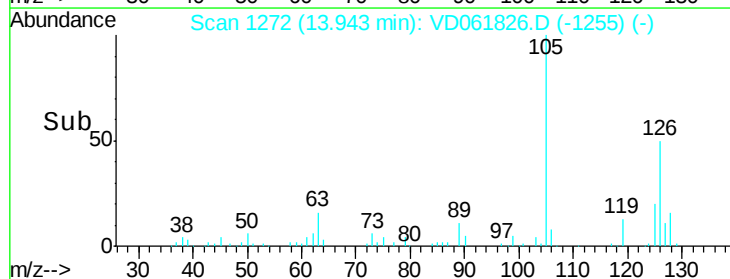
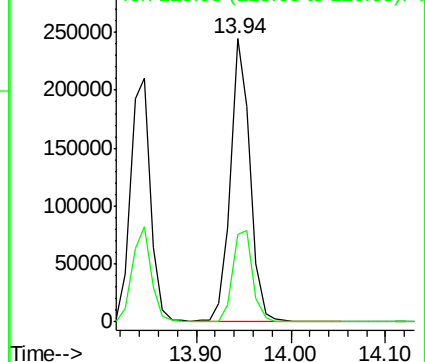
Ion Ratio Lower Upper

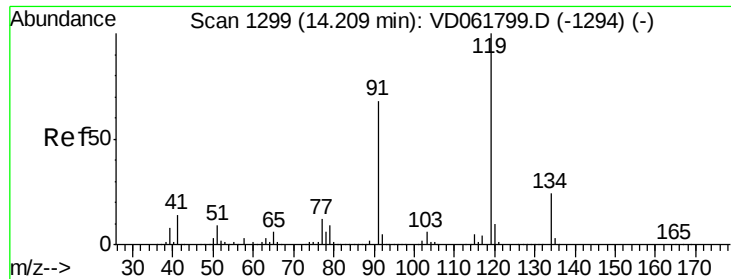
91 100

126 30.7 19.1 57.5



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

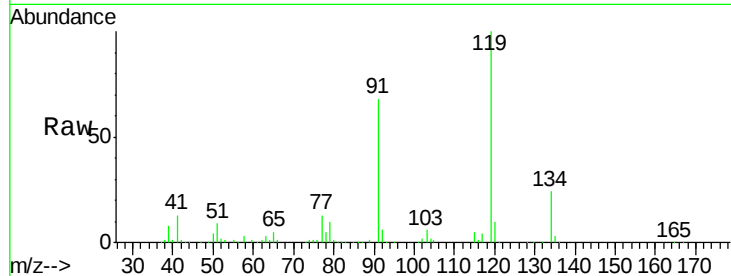




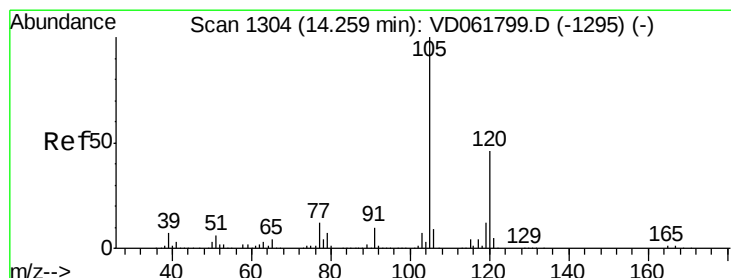
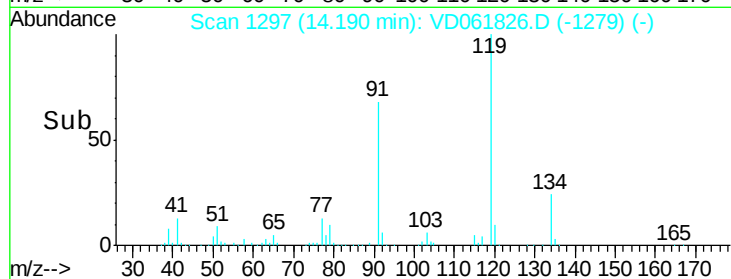
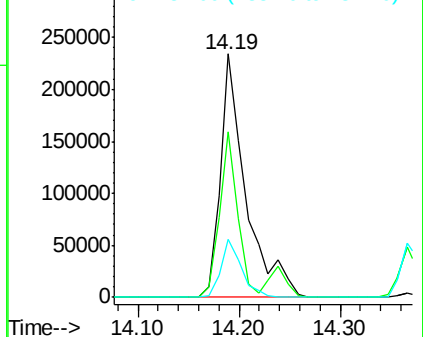
#83
tert-Butylbenzene
Concen: 17.353 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.02 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 411502
Ion Ratio Lower Upper
119 100
91 68.1 34.2 102.6
134 23.9 12.0 36.0

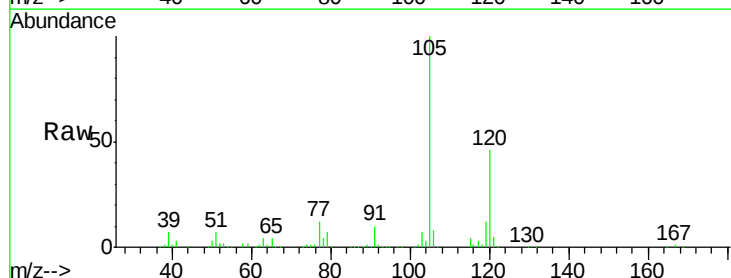


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

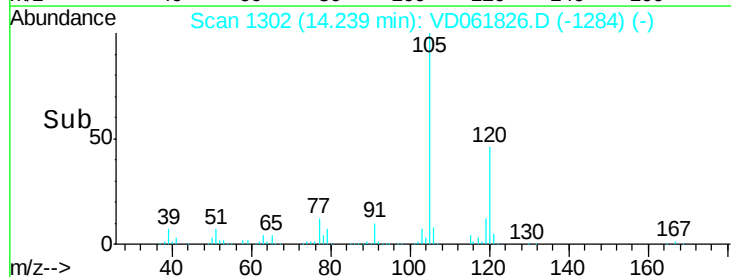
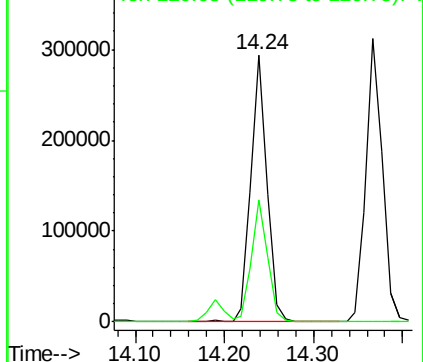


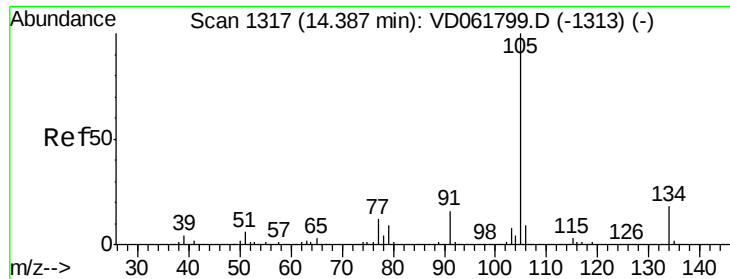
#84
1,2,4-Trimethylbenzene
Concen: 18.101 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.02 min
Lab File: VD061826.D
Acq: 17 Apr 2019 00:56

Tgt Ion:105 Resp: 367446
Ion Ratio Lower Upper
105 100
120 45.9 23.1 69.2



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

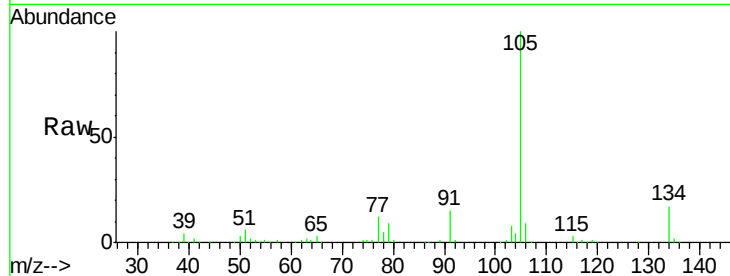




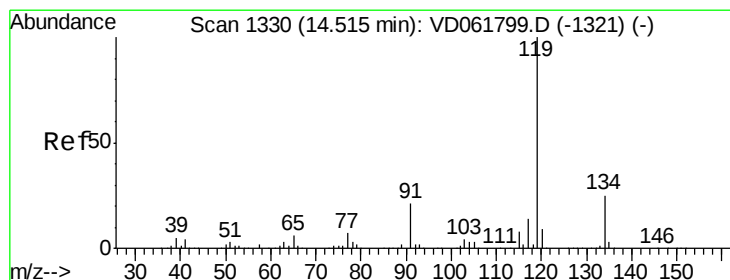
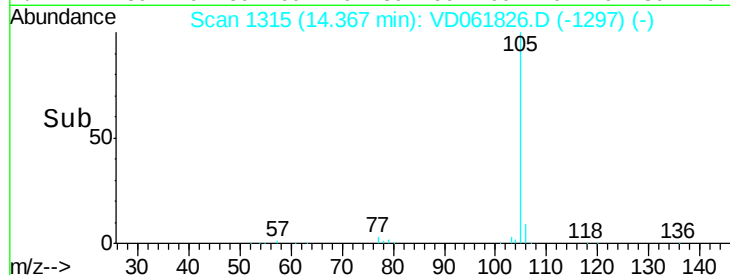
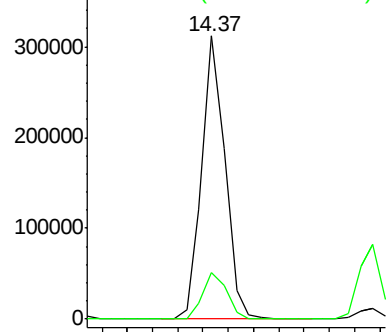
#85
 sec-Butylbenzene
 Concen: 16.182 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.02 min
 Lab File: VD061826.D
 Acq: 17 Apr 2019 00:56

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:105 Resp: 396677
 Ion Ratio Lower Upper
 105 100
 134 16.6 8.9 26.7

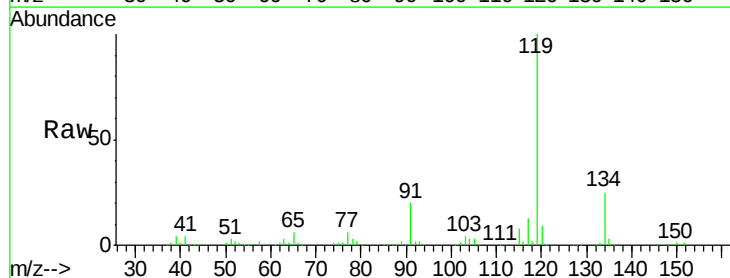


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

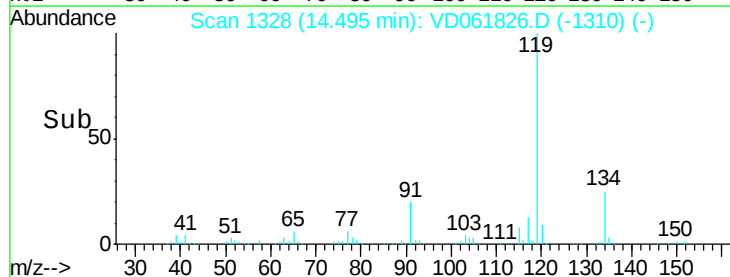
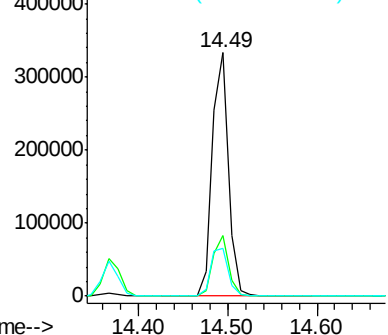


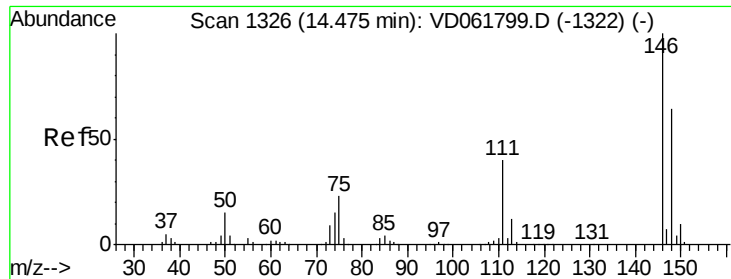
#86
 p-Isopropyltoluene
 Concen: 18.606 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. -0.02 min
 Lab File: VD061826.D
 Acq: 17 Apr 2019 00:56

Tgt Ion:119 Resp: 426744
 Ion Ratio Lower Upper
 119 100
 134 24.8 12.8 38.3
 91 19.7 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

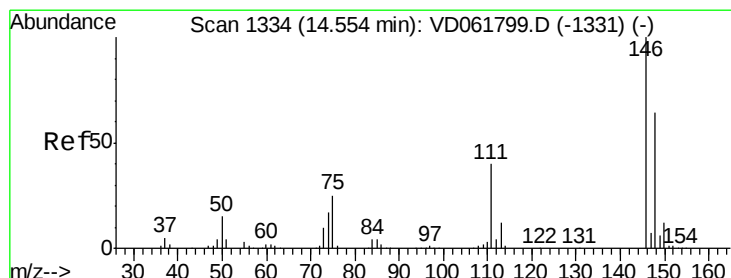
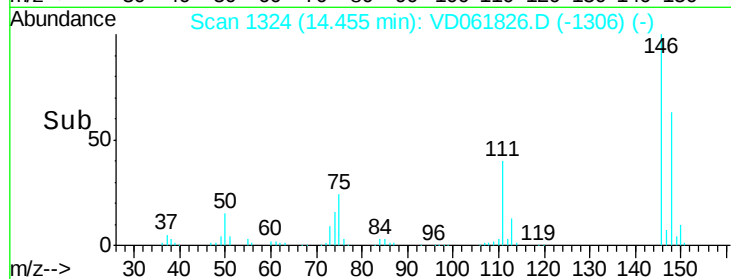
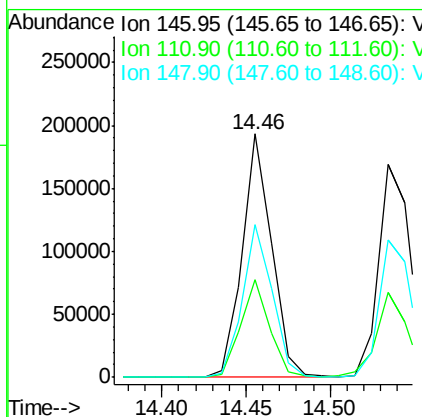
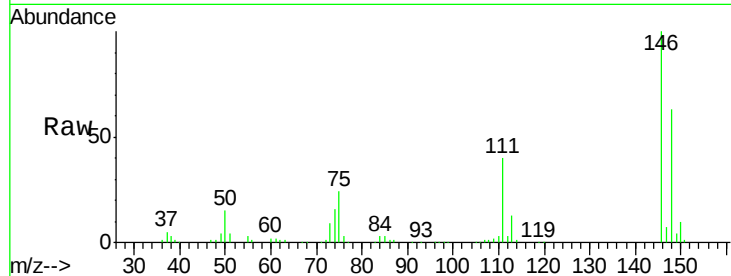




#87
 1,3-Dichlorobenzene
 Concen: 18.565 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.02 min
 Lab File: VD061826.D
 Acq: 17 Apr 2019 00:56

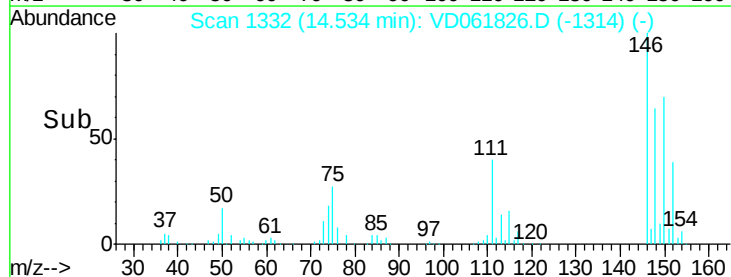
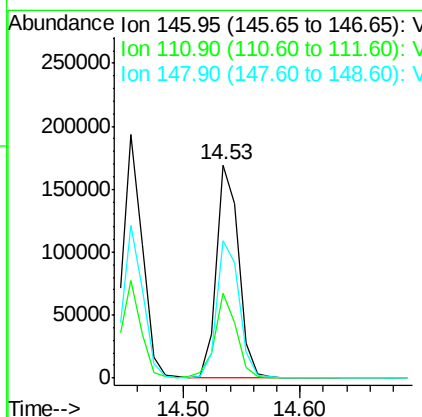
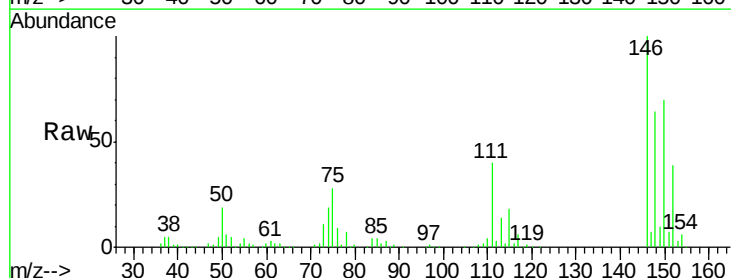
Instrument :
 MSVOA_D
 ClientSampled :

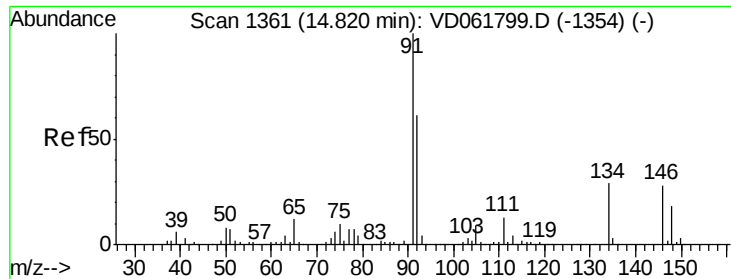
Tot Ion:146 Resp: 234328
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 60.0
 148 62.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 17.922 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: VD061826.D
 Acq: 17 Apr 2019 00:56

Tgt Ion:146 Resp: 223610
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.2 60.5
 148 64.4 32.0 96.2





#89

n-Butylbenzene

Concen: 17.126 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.02 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

Instrument :

MSVOA_D

ClientSampleId :

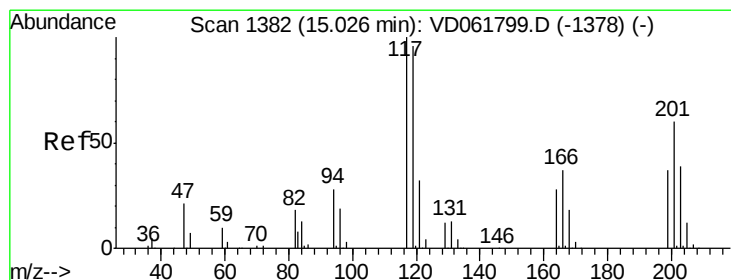
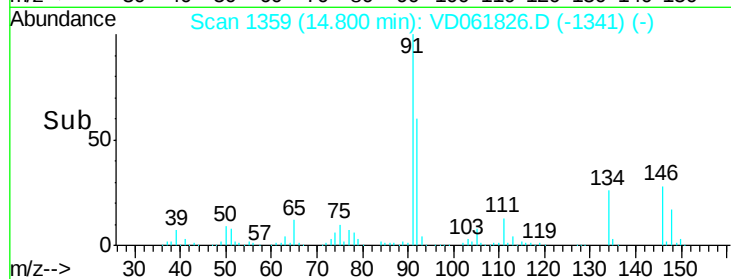
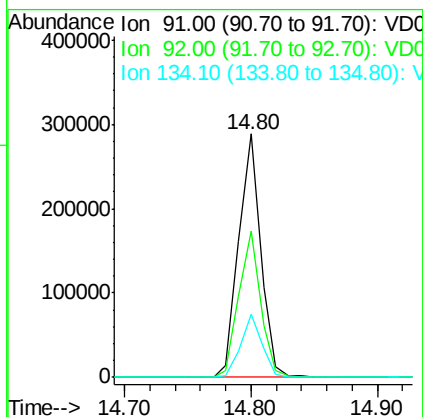
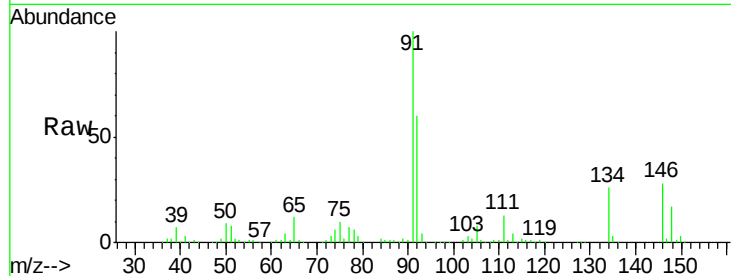
Tot Ion: 91 Resp: 347697

Ion Ratio Lower Upper

91 100

92 59.9 30.3 91.0

134 25.9 14.5 43.6



#90

Hexachloroethane

Concen: 17.264 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.02 min

Lab File: VD061826.D

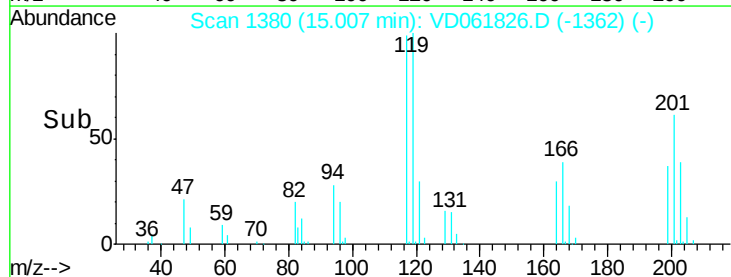
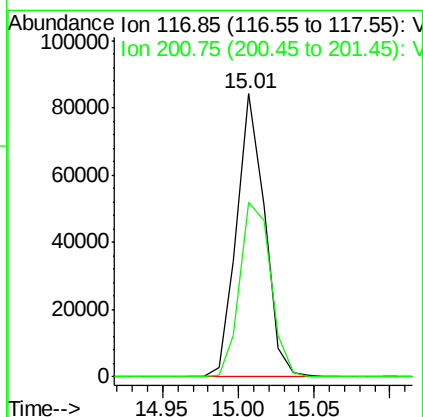
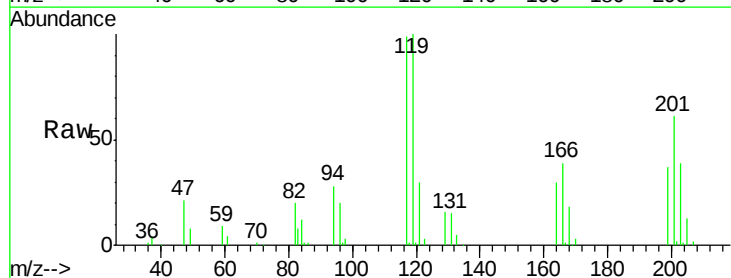
Acq: 17 Apr 2019 00:56

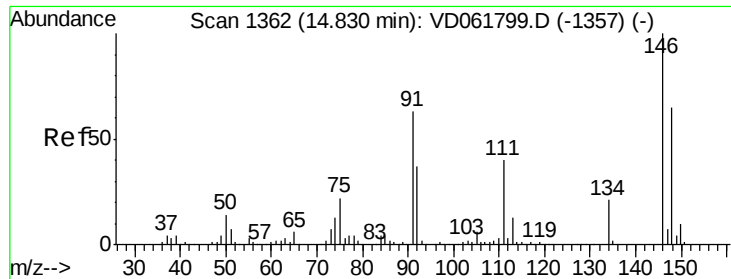
Tgt Ion: 117 Resp: 107924

Ion Ratio Lower Upper

117 100

201 61.6 30.2 90.6

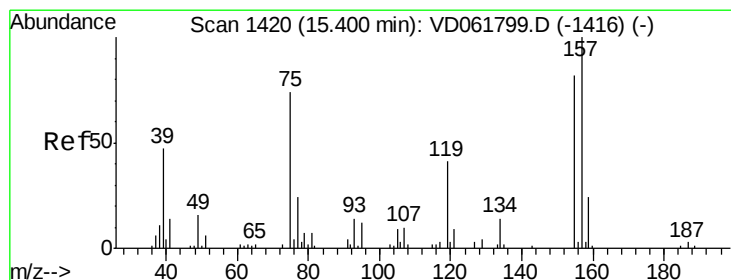
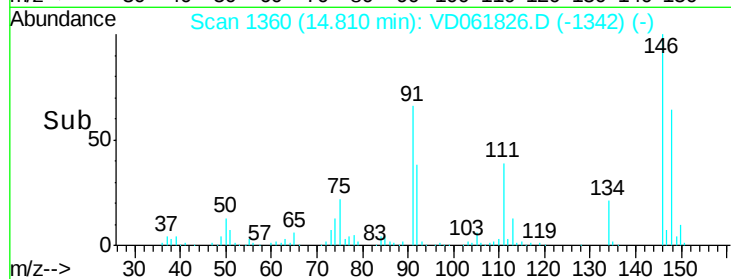
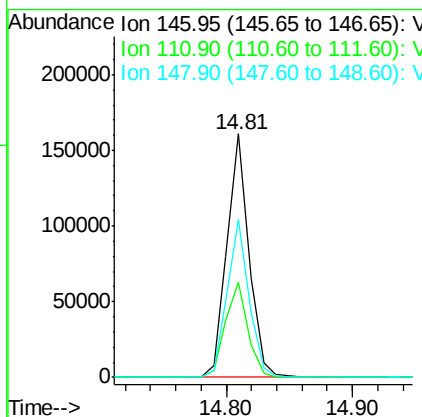
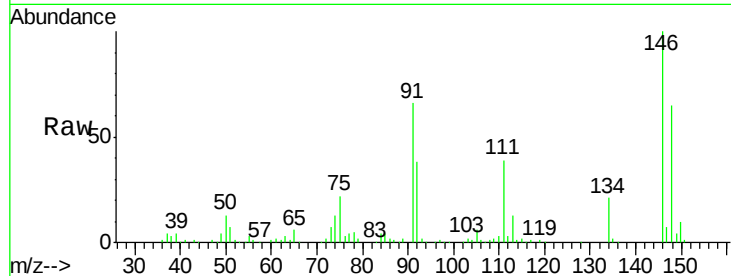




#91
 1,2-Dichlorobenzene
 Concen: 18.285 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: VD061826.D
 Acq: 17 Apr 2019 00:56

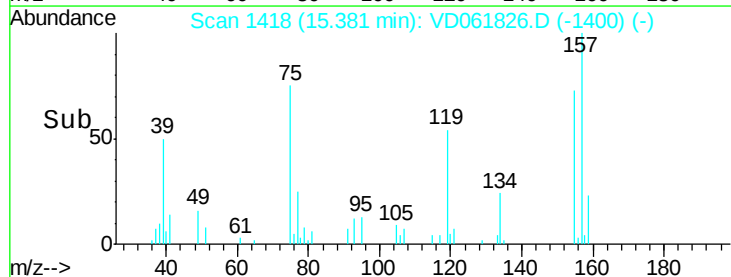
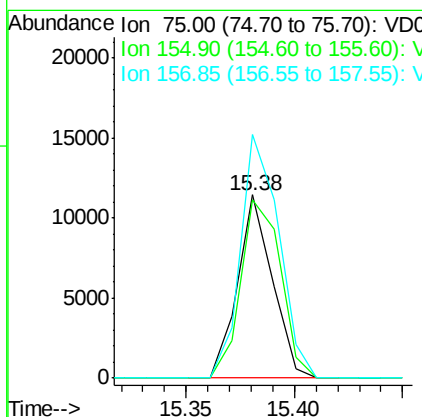
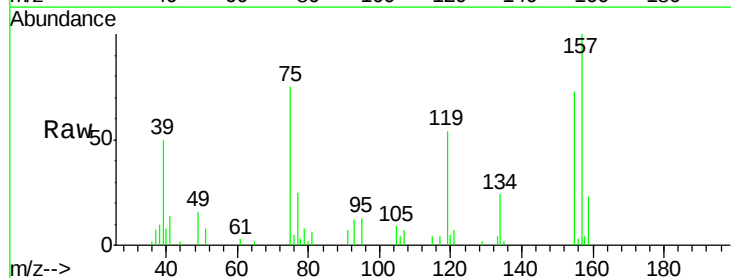
Instrument :
 MSVOA_D
 ClientSampleId :

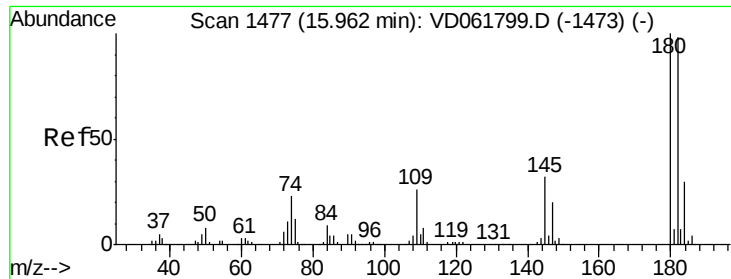
Tot Ion:146 Resp: 193325
 Ion Ratio Lower Upper
 146 100
 111 39.0 20.0 59.9
 148 64.6 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.076 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.02 min
 Lab File: VD061826.D
 Acq: 17 Apr 2019 00:56

Tgt Ion: 75 Resp: 12789
 Ion Ratio Lower Upper
 75 100
 155 97.6 55.3 165.8
 157 133.2 67.8 203.2

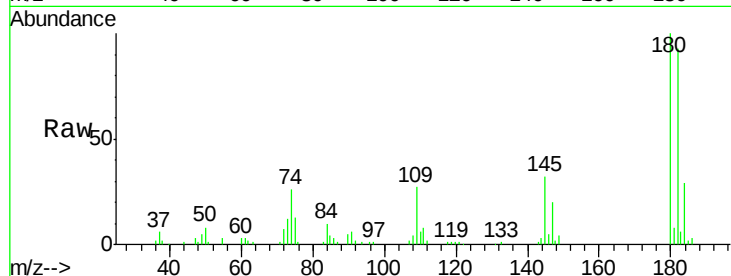




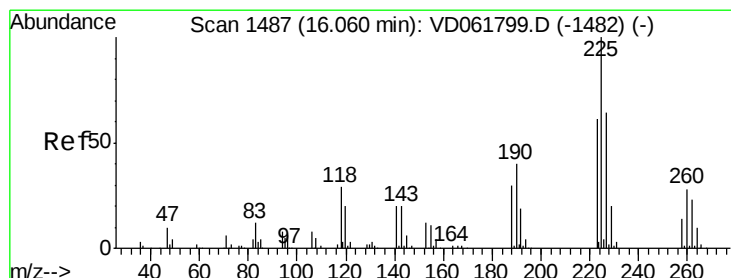
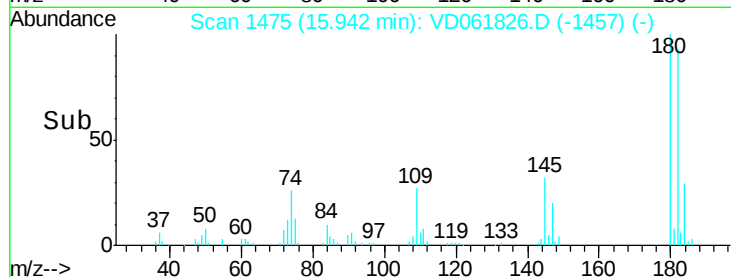
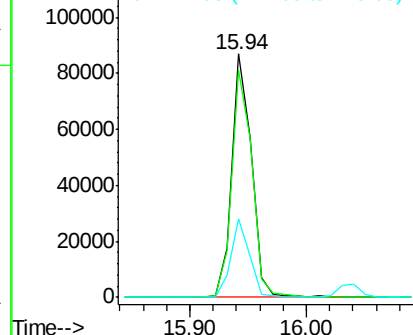
#93
 1,2,4-Trichlorobenzene
 Concen: 17.611 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.02 min
 Lab File: VD061826.D
 Acq: 17 Apr 2019 00:56

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	49.3	147.8
145	32.1	16.2	48.6

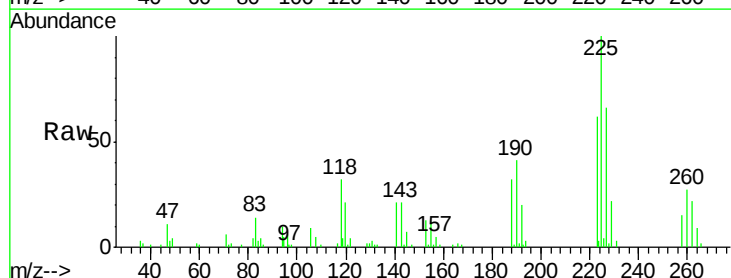


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

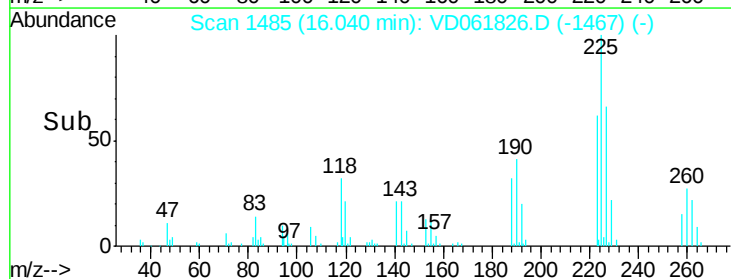
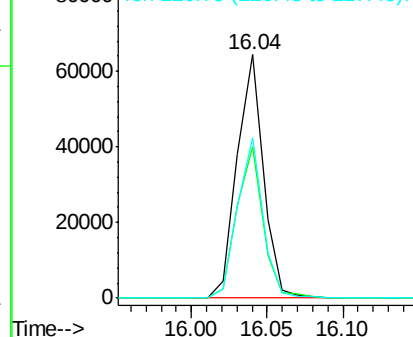


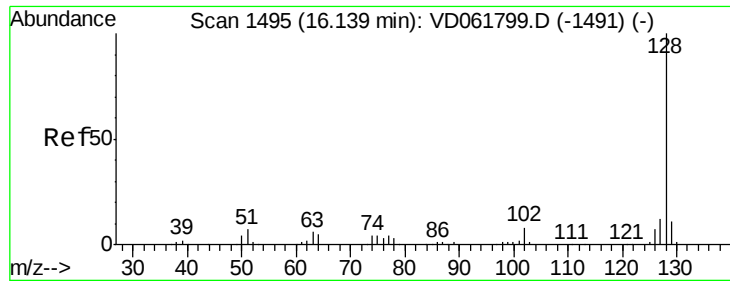
#94
 Hexachlorobutadiene
 Concen: 18.365 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.02 min
 Lab File: VD061826.D
 Acq: 17 Apr 2019 00:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	30.6	92.0
227	65.8	32.0	96.2



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





#95

Naphthalene

Concen: 19.370 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.02 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

Instrument :

MSVOA_D

ClientSampleId :

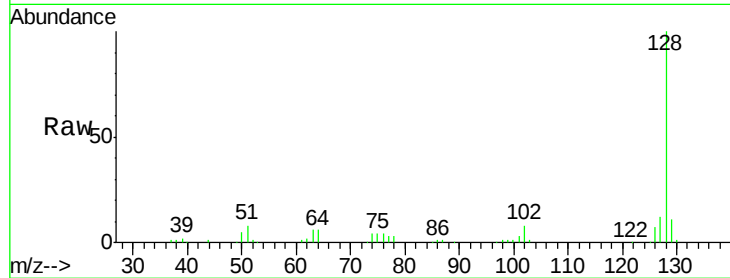
Tot Ion:128 Resp: 172402

Ion Ratio Lower Upper

128 100

127 12.3 9.8 14.8

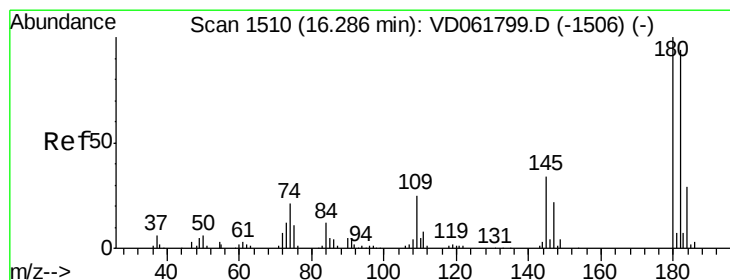
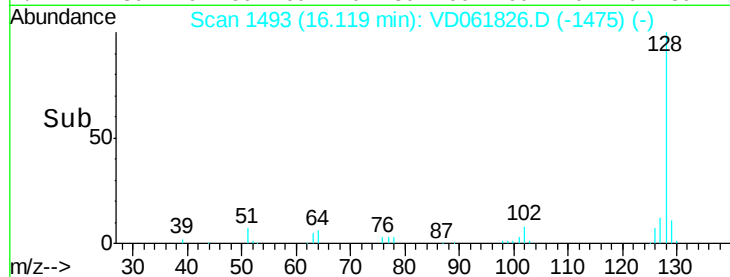
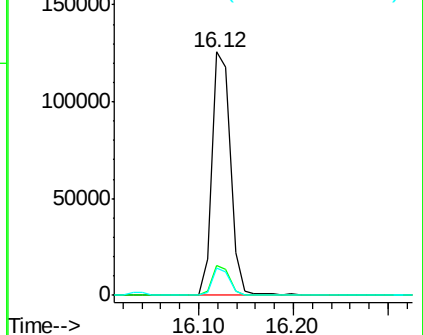
129 11.2 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.829 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.02 min

Lab File: VD061826.D

Acq: 17 Apr 2019 00:56

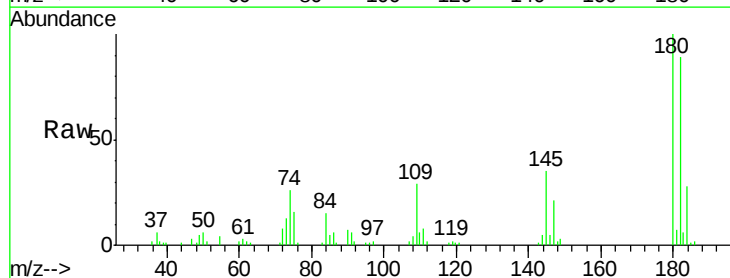
Tgt Ion:180 Resp: 58998

Ion Ratio Lower Upper

180 100

182 89.1 47.0 141.0

145 35.0 17.0 51.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

