

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050619\
 Data File : VD062126.D
 Acq On : 6 May 2019 13:02
 Operator : FY/SY
 Sample : VD0506SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

Quant Time: May 07 05:08:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-7.05
34) 1,4-Difluorobenzene	8.36	114	781442	50.00	ug/l	0.13
63) Chlorobenzene-d5	12.39	117	440657	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	325620	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	7.13	113	266552	49.32	ug/l	0.20
Spiked Amount	50.000		Recovery	=	98.64%	
50) Toluene-d8	10.48	98	569615	44.29	ug/l	0.06
Spiked Amount	50.000		Recovery	=	88.58%	
62) 4-Bromofluorobenzene	13.71	95	11322	2.20	ug/l	0.15
Spiked Amount	50.000		Recovery	=	4.40%	

Target Compounds

						Qvalue
36) 1,1-Dichloropropene	7.34	75	98194	16.128	ug/l	99
37) Ethyl Acetate	6.43	43	26073	10.050	ug/l	96
38) Carbon Tetrachloride	7.31	117	132986	17.238	ug/l	95
39) Methylcyclohexane	8.99	83	90947	15.141	ug/l	97
40) Benzene	7.64	78	222076	14.734	ug/l	98
42) 1,2-Dichloroethane	7.76	62	100551	19.648	ug/l	98
43) Isopropyl Acetate	9.33	43	67850	17.899	ug/l	99
44) Trichloroethene	8.67	130	96674	16.544	ug/l	93
45) 1,2-Dichloropropane	9.05	63	68069	17.802	ug/l	99
46) Dibromomethane	9.17	93	50939	18.514	ug/l	98
47) Bromodichloromethane	9.48	83	129370	19.900	ug/l	95
48) Methyl methacrylate	9.22	41	40946	18.931	ug/l	95
49) 1,4-Dioxane	9.19	88	8334	357.400	ug/l	93
51) 4-Methyl-2-Pentanone	10.36	43	225065	97.082	ug/l	99
52) Toluene	10.58	92	176956	18.413	ug/l	100
53) t-1,3-Dichloropropene	10.97	75	107036	19.615	ug/l	93
54) cis-1,3-Dichloropropene	10.12	75	126357	19.038	ug/l	96
55) 1,1,2-Trichloroethane	11.24	97	61427	19.039	ug/l	94
56) Ethyl methacrylate	11.09	69	66445	18.594	ug/l	98
57) 1,3-Dichloropropane	11.46	76	93308	18.725	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	185783	111.825	ug/l	97
59) 2-Hexanone	11.56	43	171048	98.356	ug/l	99
60) Dibromochloromethane	11.72	129	110017	20.608	ug/l	98
61) 1,2-Dibromoethane	11.84	107	70381	18.389	ug/l	99
64) Tetrachloroethene	11.31	164	82871	26.363	ug/l	98
65) Chlorobenzene	12.42	112	213238	25.609	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.54	131	95103	26.926	ug/l	97
67) Ethyl Benzene	12.55	91	357081	26.273	ug/l	100
68) m/p-Xylenes	12.69	106	284357	57.889	ug/l	100
69) o-Xylene	13.06	106	128428	28.575	ug/l	96
70) Styrene	13.09	104	223013	28.737	ug/l	99
71) Bromoform	13.25	173	62475	31.025	ug/l	98
73) Isopropylbenzene	13.42	105	400099	18.420	ug/l	97
74) N-amyl acetate	13.28	43	95836	17.132	ug/l	98

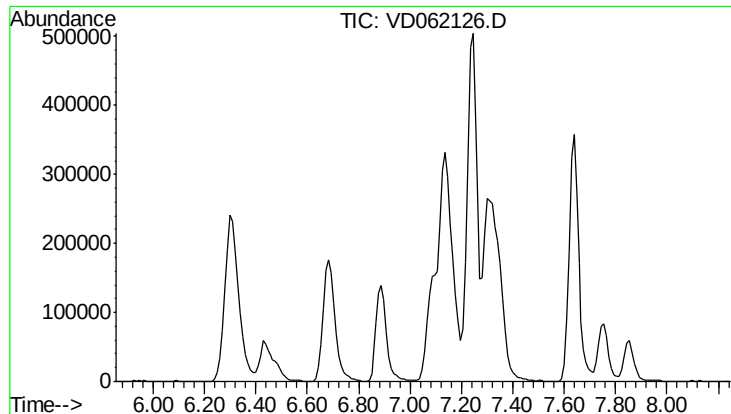
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050619\
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 1,1,2,2-Tetrachloroethane	13.71	83	72511	17.035	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	76696	18.548	ug/l	97
77) Bromobenzene	13.68	156	99897	16.032	ug/l	97
78) n-propylbenzene	13.78	91	460246	18.509	ug/l	98
79) 2-Chlorotoluene	13.85	91	244441	16.230	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	304770	17.597	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	21917	17.491	ug/l	96
82) 4-Chlorotoluene	13.96	91	277857	16.752	ug/l	98
83) tert-Butylbenzene	14.19	119	358019	17.844	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	314522	19.019	ug/l	97
85) sec-Butylbenzene	14.37	105	383360	17.683	ug/l	99
86) p-Isopropyltoluene	14.50	119	365678	18.847	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	210843	19.322	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	197130	19.318	ug/l	97
89) n-Butylbenzene	14.80	91	310678	17.836	ug/l	96
90) Hexachloroethane	15.01	117	96312	18.358	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	164410	18.266	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	10846	18.974	ug/l	93
93) 1,2,4-Trichlorobenzene	15.95	180	93531	19.259	ug/l	97
94) Hexachlorobutadiene	16.03	225	69216	19.259	ug/l	99
95) Naphthalene	16.12	128	146439	18.675	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	58581	21.259	ug/l	97

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



#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 7.05 min

Lab File: VD062126.D

Acq: 6 May 2019 13:02

Tot Ion: 168

Sig Exp Ratio

168 100

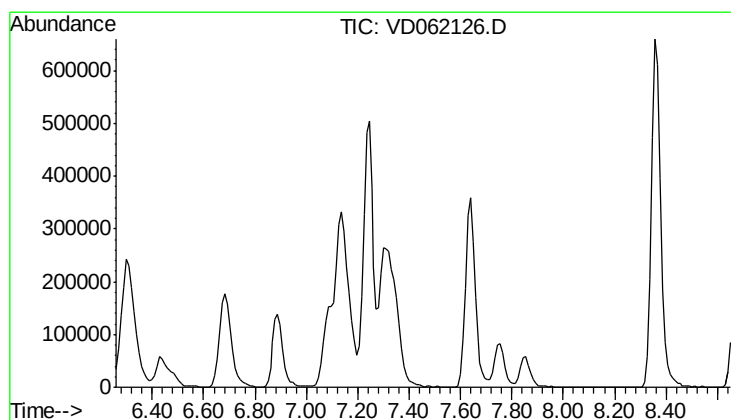
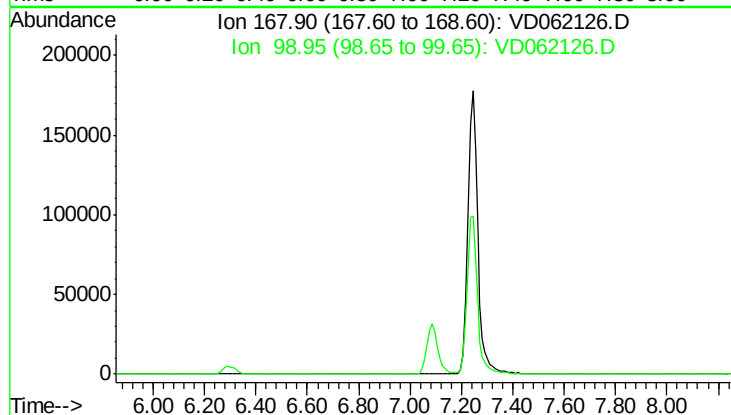
99 58.1

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 7.46 min

Lab File: VD062126.D

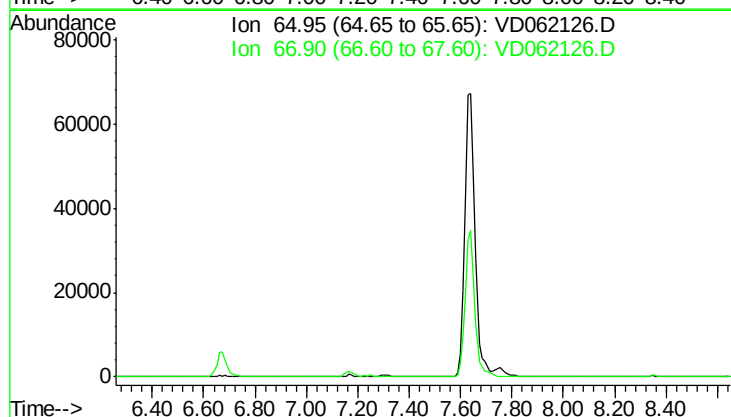
Acq: 6 May 2019 13:02

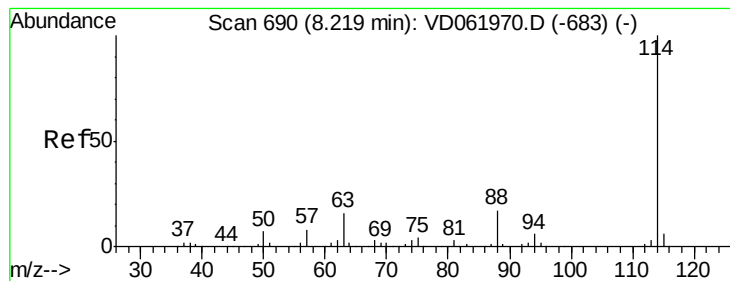
Tgt Ion: 65

Sig Exp Ratio

65 100

67 49.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.36 min Scan# 704

Delta R.T. 0.13 min

Lab File: VD062126.D

Acq: 6 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

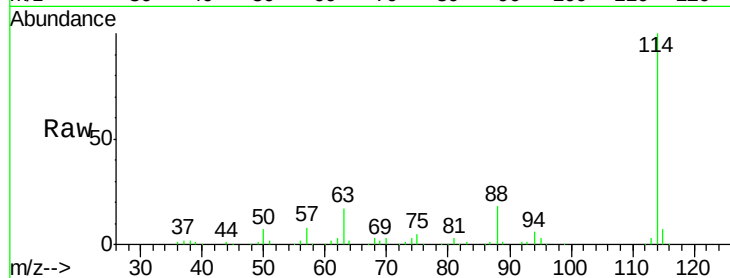
Tot Ion:114 Resp: 781442

Ion Ratio Lower Upper

114 100

63 16.8 0.0 32.4

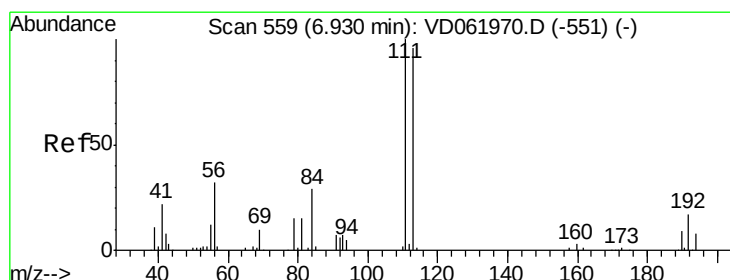
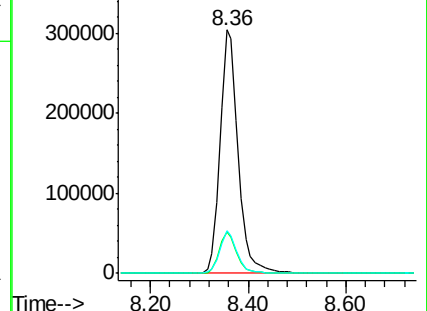
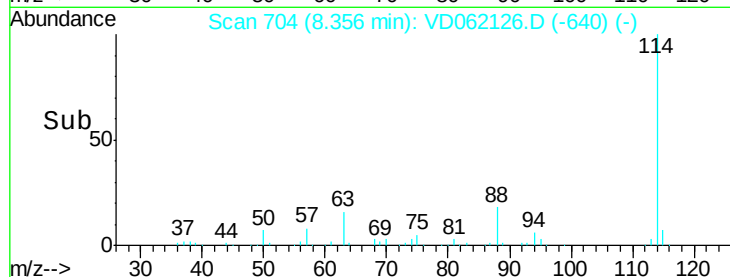
88 17.7 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 49.321 ug/l

RT: 7.13 min Scan# 580

Delta R.T. 0.20 min

Lab File: VD062126.D

Acq: 6 May 2019 13:02

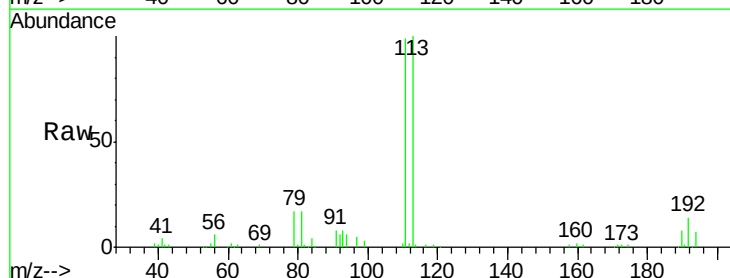
Tgt Ion:113 Resp: 266552

Ion Ratio Lower Upper

113 100

111 98.5 78.5 117.7

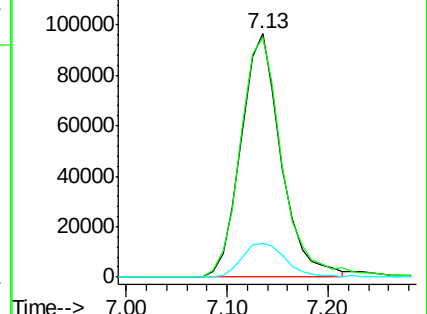
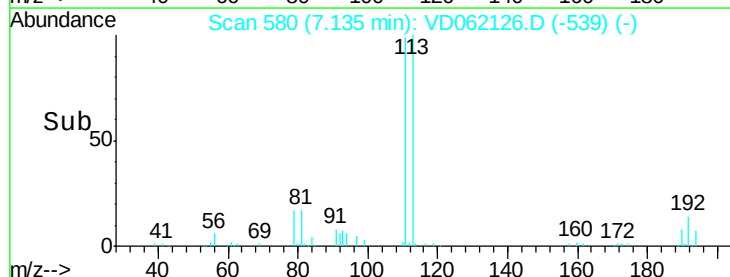
192 14.0 13.0 19.4

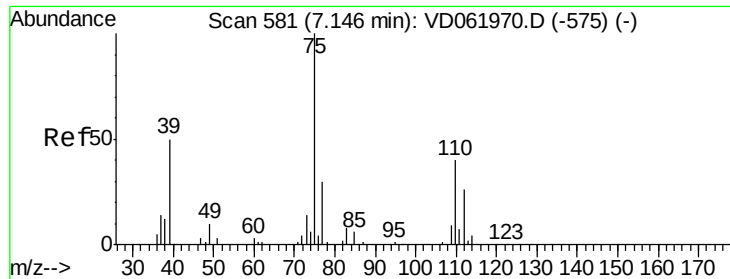


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 16.128 ug/l

RT: 7.34 min Scan# 601

Delta R.T. 0.19 min

Lab File: VD062126.D

Acq: 6 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

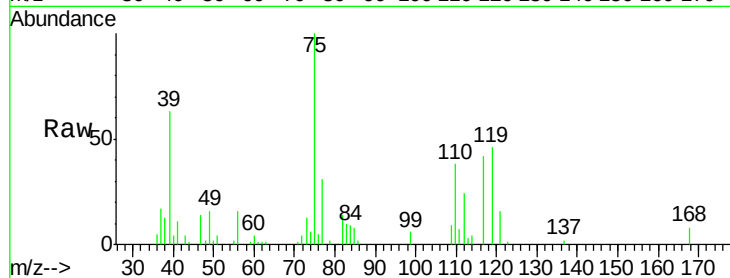
Tot Ion: 75 Resp: 98194

Ion Ratio Lower Upper

75 100

110 37.6 19.1 57.1

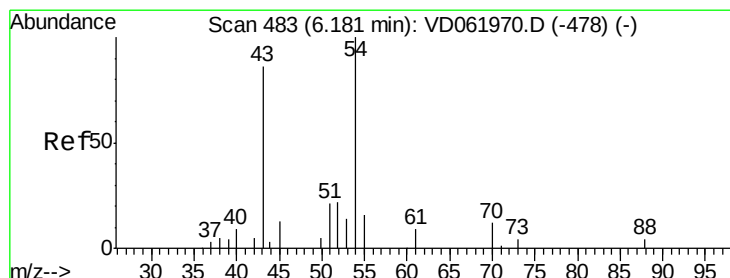
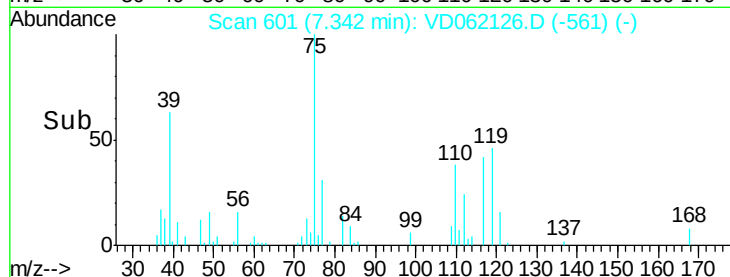
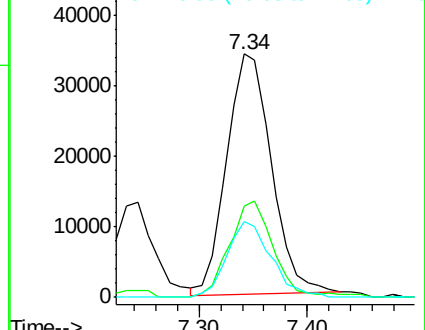
77 31.3 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 10.050 ug/l

RT: 6.43 min Scan# 508

Delta R.T. 0.24 min

Lab File: VD062126.D

Acq: 6 May 2019 13:02

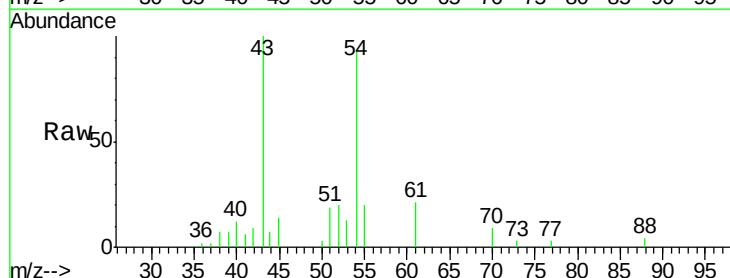
Tgt Ion: 43 Resp: 26073

Ion Ratio Lower Upper

43 100

61 20.6 14.7 22.1

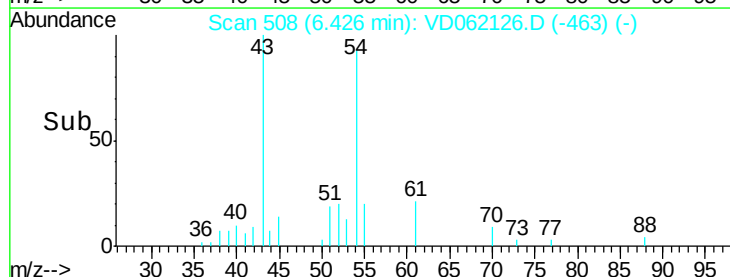
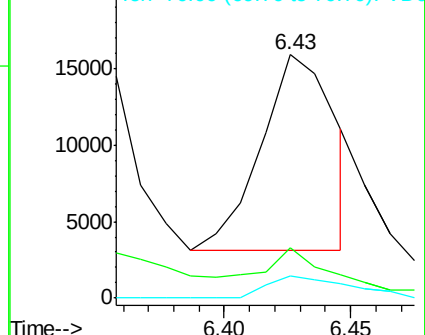
70 8.9 7.8 11.6

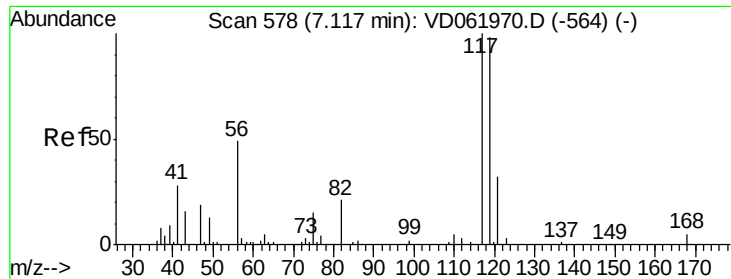


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 17.238 ug/l

RT: 7.31 min Scan# 598

Delta R.T. 0.19 min

Lab File: VD062126.D

Acq: 6 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

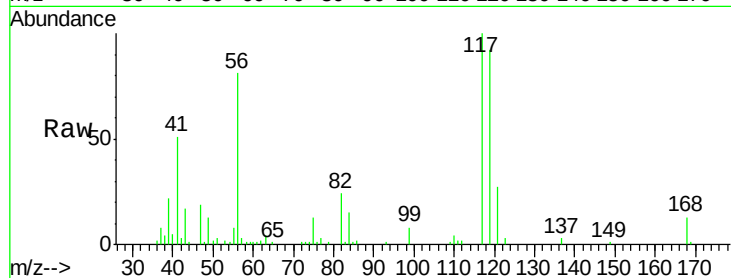
Tot Ion:117 Resp: 132986

Ion Ratio Lower Upper

117 100

119 91.7 75.8 113.8

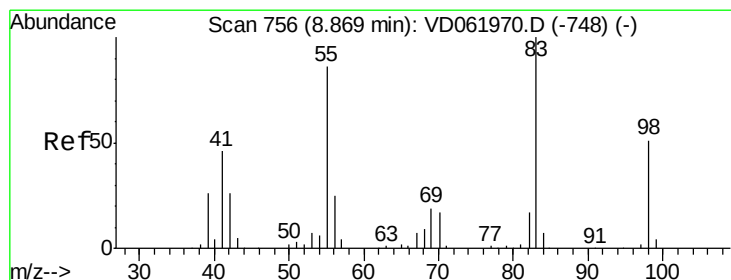
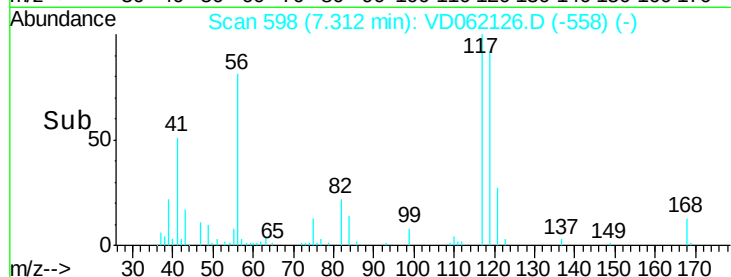
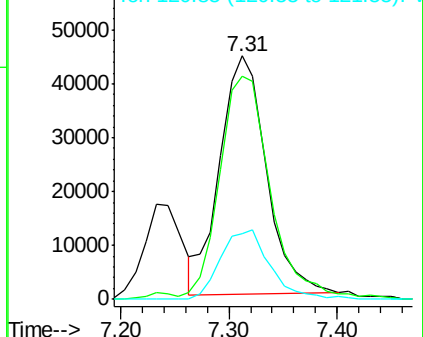
121 26.9 25.9 38.9



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

Methylcyclohexane

Concen: 15.141 ug/l

RT: 8.99 min Scan# 768

Delta R.T. 0.11 min

Lab File: VD062126.D

Acq: 6 May 2019 13:02

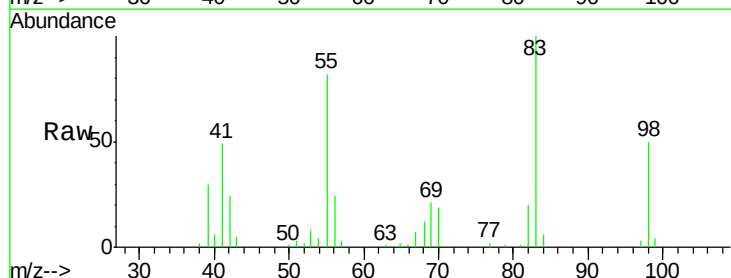
Tgt Ion: 83 Resp: 90947

Ion Ratio Lower Upper

83 100

55 82.3 68.2 102.4

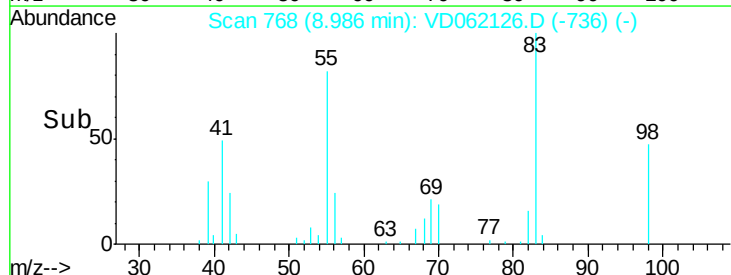
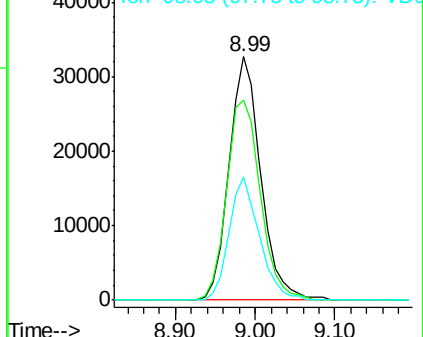
98 50.4 38.2 57.4

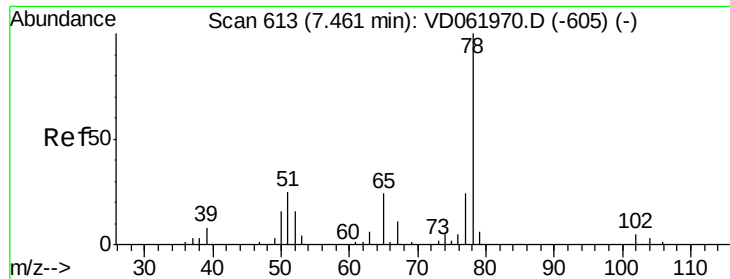


Abundance Ion 83.05 (82.75 to 83.75): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.05 (97.75 to 98.75): V





#40

Benzene

Concen: 14.734 ug/l

RT: 7.64 min Scan# 631

Delta R.T. 0.17 min

Lab File: VD062126.D

Acq: 6 May 2019 13:02

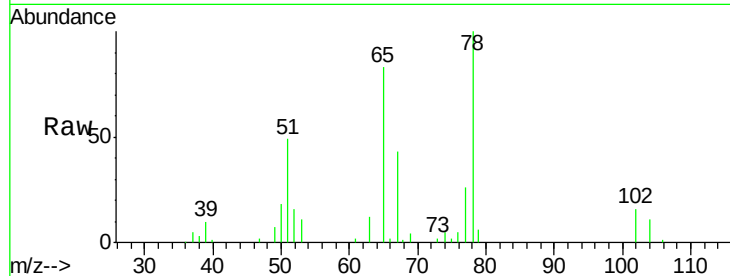
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBS01

Tot Ion: 78 Resp: 222076

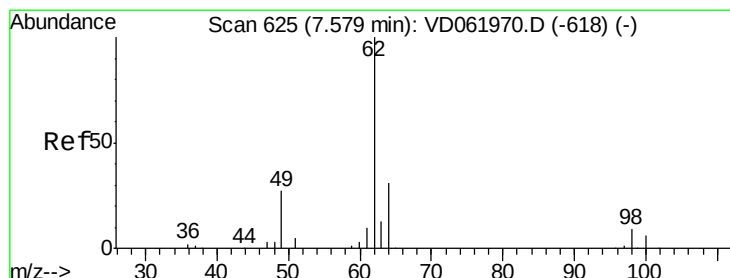
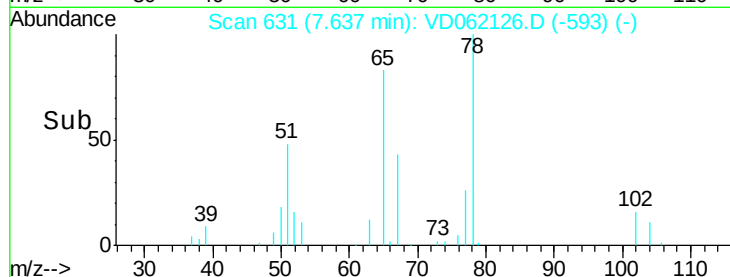
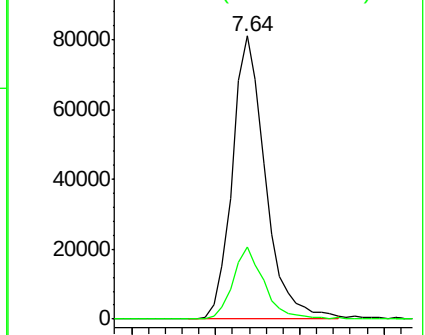
Ion Ratio Lower Upper

78 100

77 25.7 19.7 29.5



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



#42

1,2-Dichloroethane

Concen: 19.648 ug/l

RT: 7.76 min Scan# 643

Delta R.T. 0.17 min

Lab File: VD062126.D

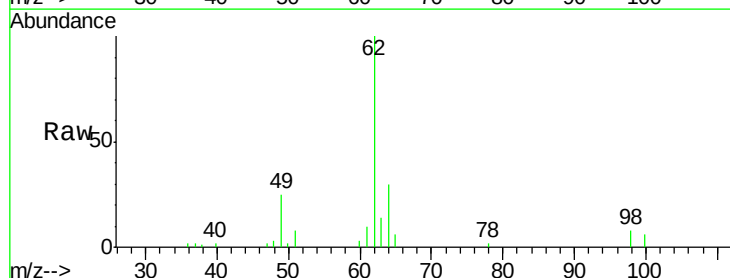
Acq: 6 May 2019 13:02

Tgt Ion: 62 Resp: 100551

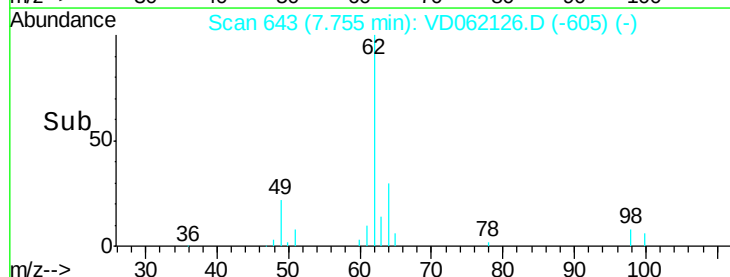
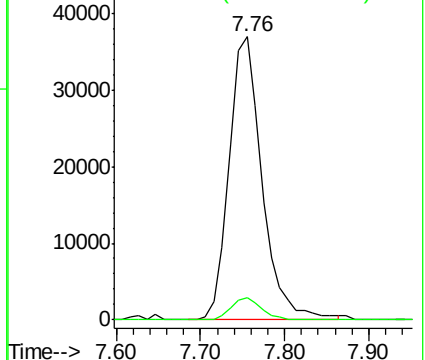
Ion Ratio Lower Upper

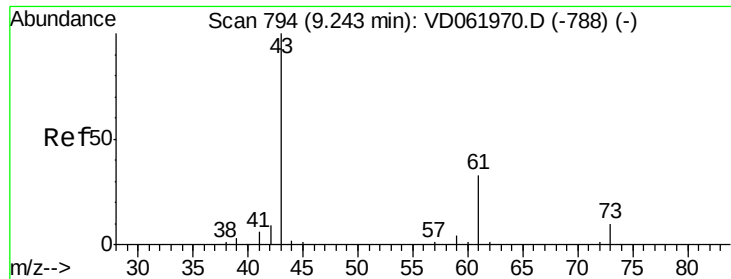
62 100

98 8.0 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: 17.899 ug/l

RT: 9.33 min Scan# 803

Delta R.T. 0.08 min

Lab File: VD062126.D

Acq: 6 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

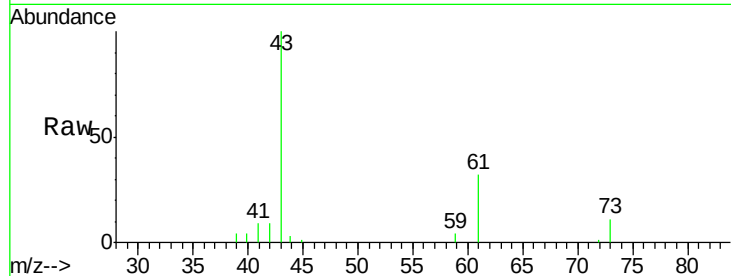
Tot Ion: 43 Resp: 67850

Ion Ratio Lower Upper

43 100

61 31.7 25.1 37.7

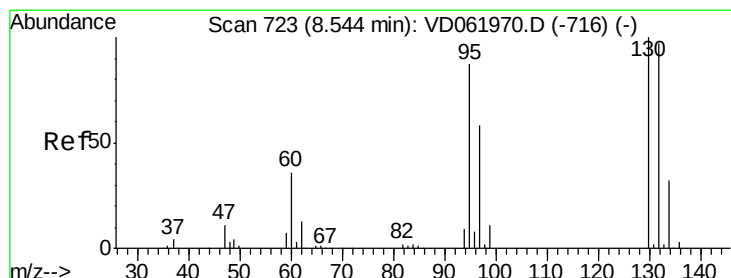
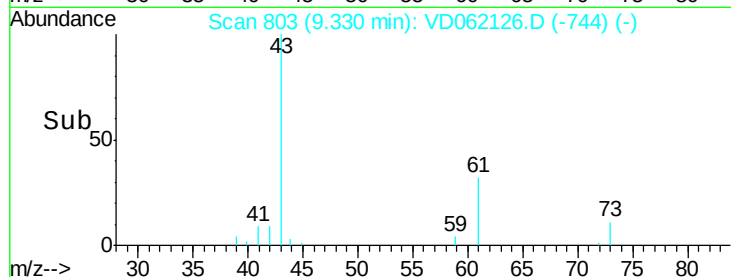
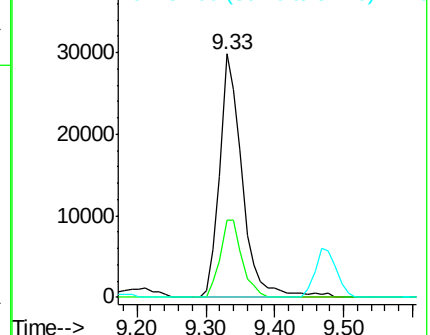
87 0.0 0.0 0.0



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: 16.544 ug/l

RT: 8.67 min Scan# 736

Delta R.T. 0.12 min

Lab File: VD062126.D

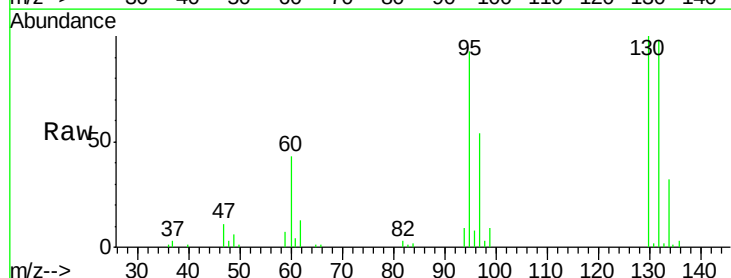
Acq: 6 May 2019 13:02

Tgt Ion:130 Resp: 96674

Ion Ratio Lower Upper

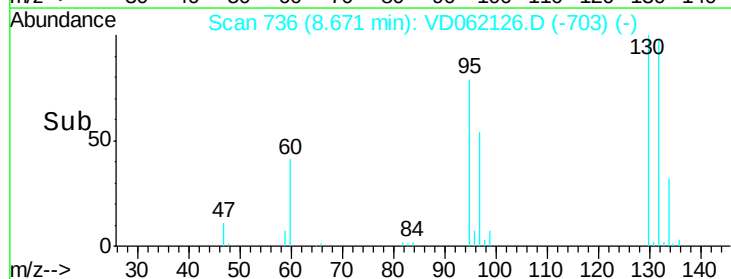
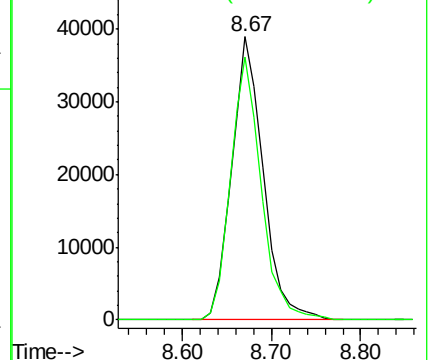
130 100

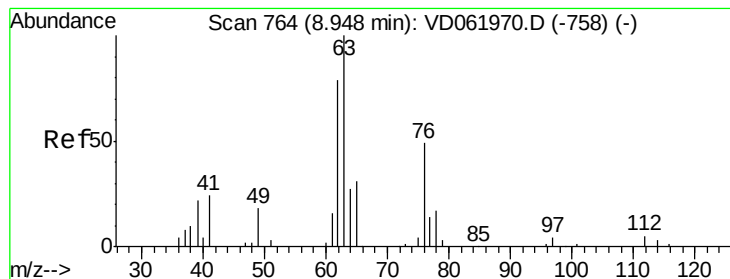
95 93.0 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 17.802 ug/l

RT: 9.05 min Scan# 775

Delta R.T. 0.11 min

Lab File: VD062126.D

Acq: 6 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

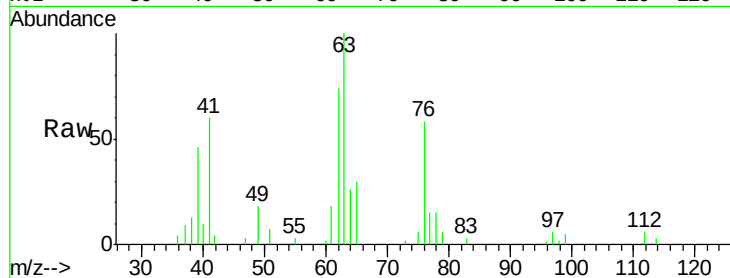
VD0506SBS01

Tot Ion: 63 Resp: 68069

Ion Ratio Lower Upper

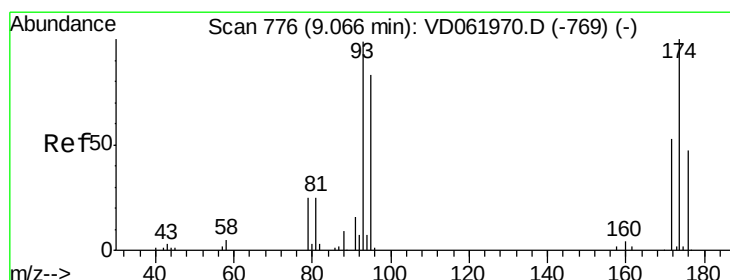
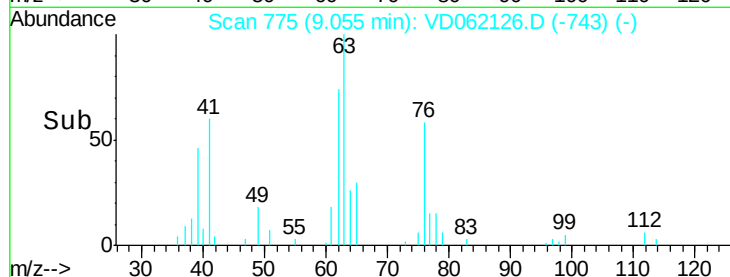
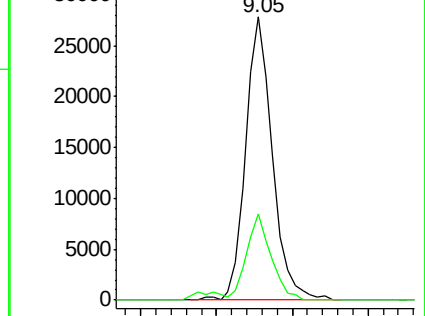
63 100

65 30.5 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 18.514 ug/l

RT: 9.17 min Scan# 787

Delta R.T. 0.10 min

Lab File: VD062126.D

Acq: 6 May 2019 13:02

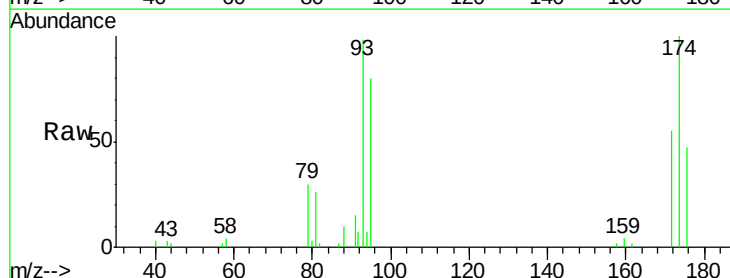
Tgt Ion: 93 Resp: 50939

Ion Ratio Lower Upper

93 100

95 82.1 64.8 97.2

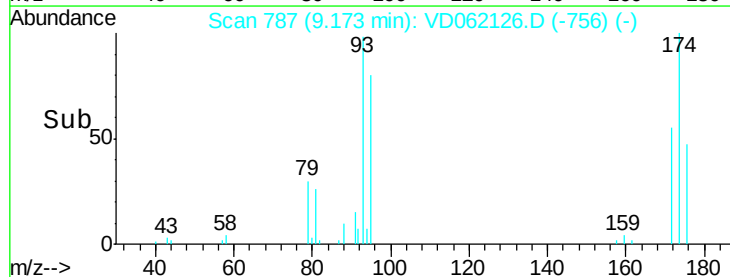
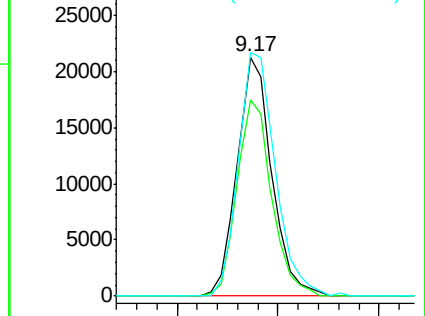
174 102.1 79.3 118.9

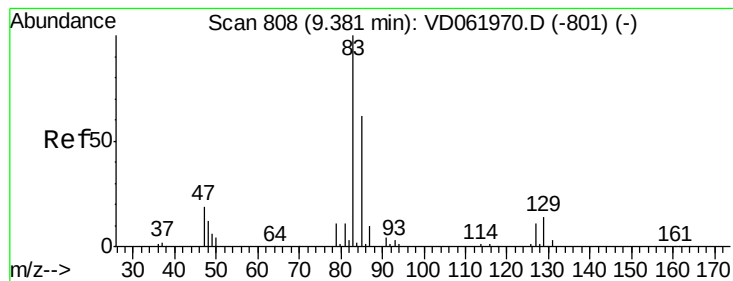


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.900 ug/l

RT: 9.48 min Scan# 818

Delta R.T. 0.09 min

Lab File: VD062126.D

Acq: 6 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

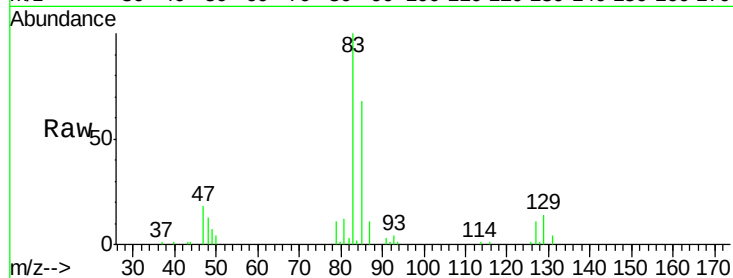
Tot Ion: 83 Resp: 129370

Ion Ratio Lower Upper

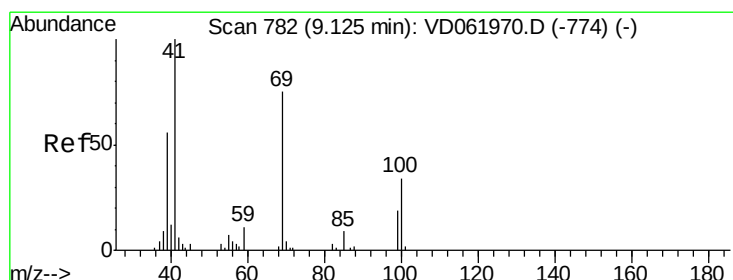
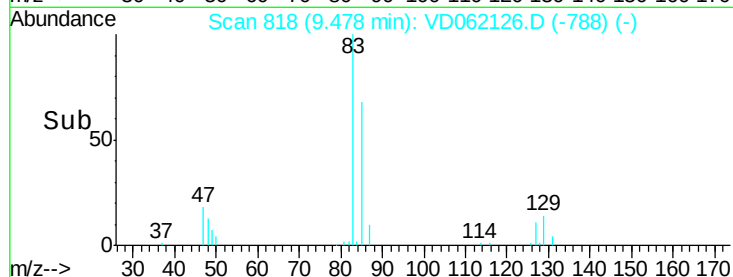
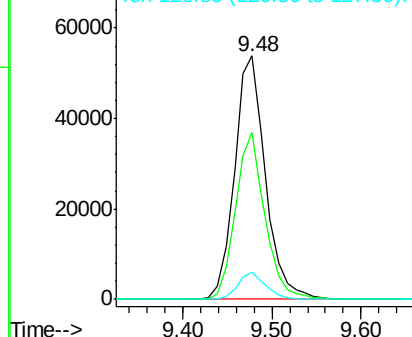
83 100

85 68.3 50.9 76.3

127 10.9 8.1 12.1



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



#48

Methyl methacrylate

Concen: 18.931 ug/l

RT: 9.22 min Scan# 792

Delta R.T. 0.09 min

Lab File: VD062126.D

Acq: 6 May 2019 13:02

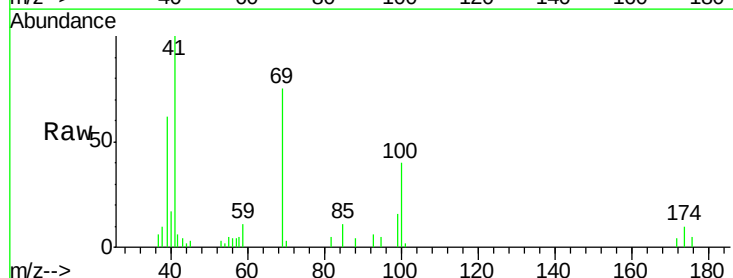
Tgt Ion: 41 Resp: 40946

Ion Ratio Lower Upper

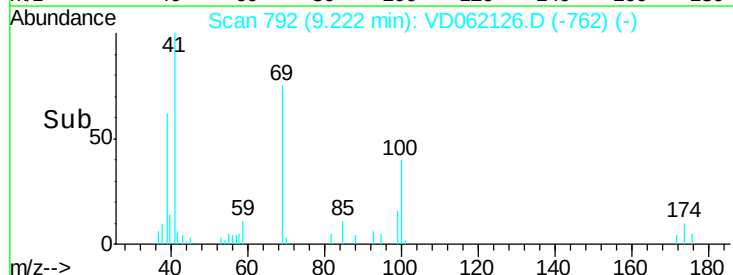
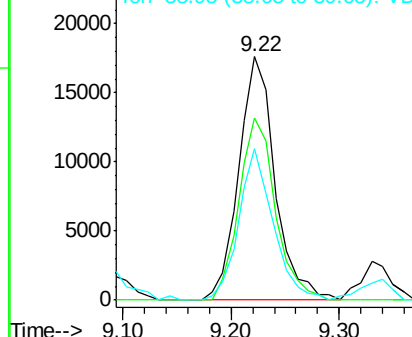
41 100

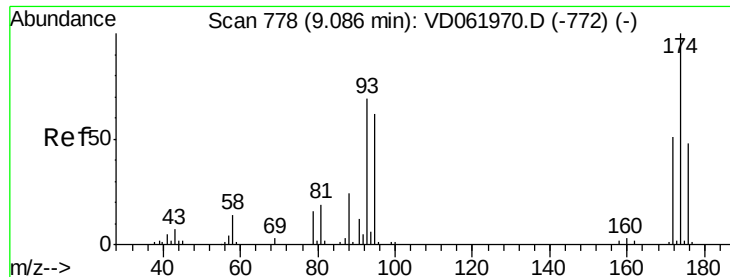
69 75.0 64.2 96.2

39 62.1 46.8 70.2



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

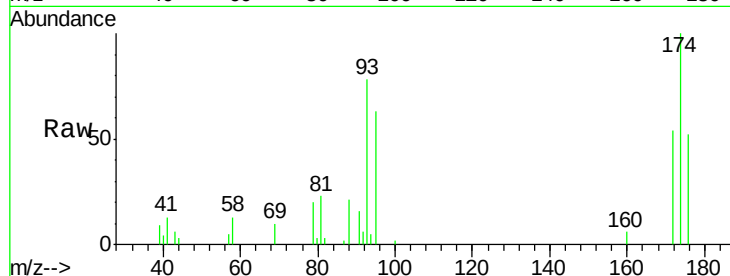




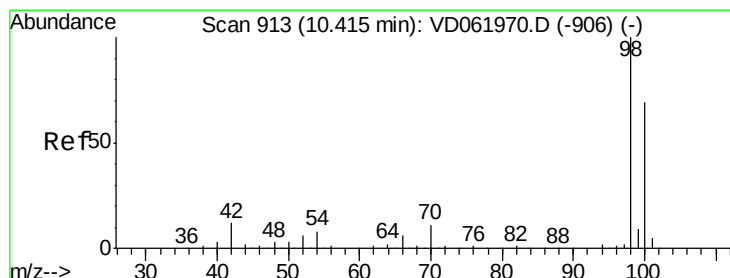
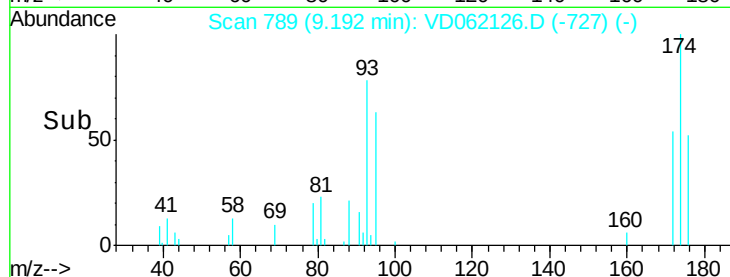
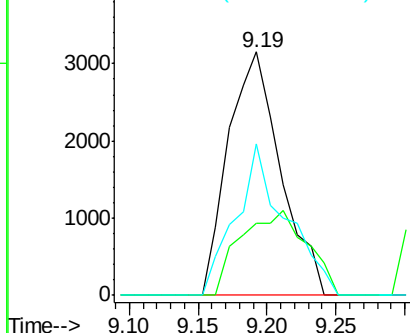
#49
1,4-Dioxane
Concen: 357.400 ug/l
RT: 9.19 min Scan# 789
Delta R.T. 0.11 min
Lab File: VD062126.D
Acq: 6 May 2019 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBS01

Tot Ion: 88 Resp: 8334
Ion Ratio Lower Upper
88 100
43 29.5 23.4 35.0
58 62.5 44.0 66.0

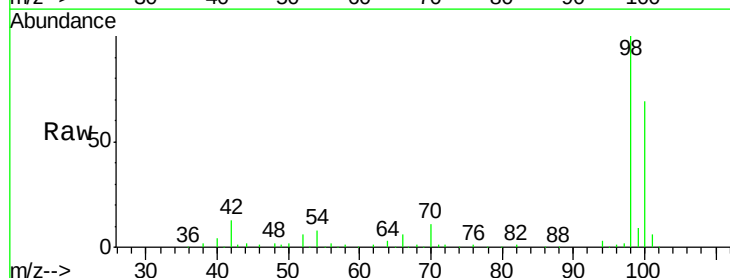


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

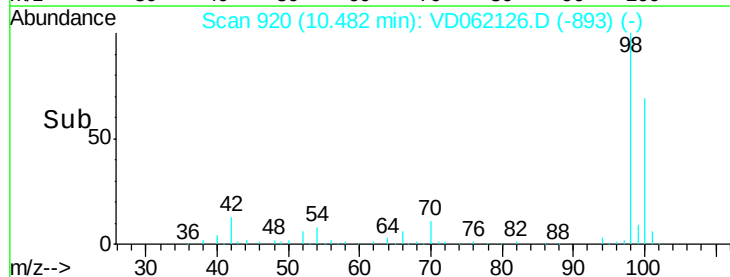
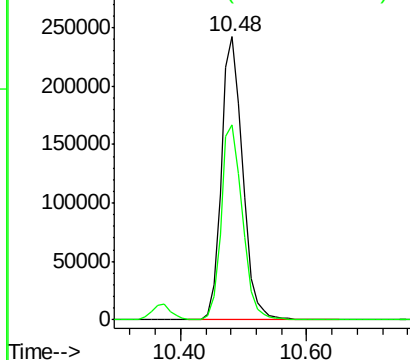


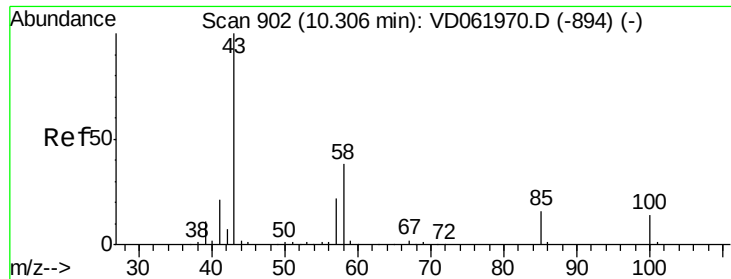
#50
Toluene-d8
Concen: 44.294 ug/l
RT: 10.48 min Scan# 920
Delta R.T. 0.06 min
Lab File: VD062126.D
Acq: 6 May 2019 13:02

Tgt Ion: 98 Resp: 569615
Ion Ratio Lower Upper
98 100
100 68.9 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: 97.082 ug/l

RT: 10.36 min Scan# 908

Delta R.T. 0.06 min

Lab File: VD062126.D

Acq: 6 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

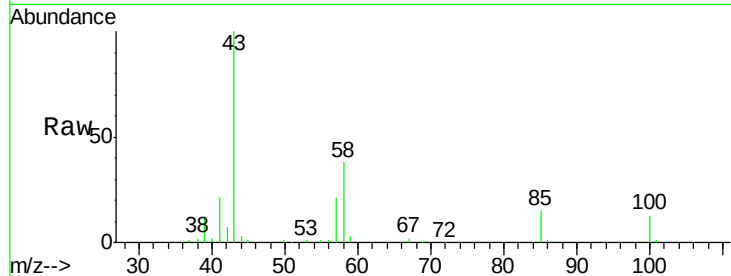
VD0506SBS01

Tot Ion: 43 Resp: 225065

Ion Ratio Lower Upper

43 100

58 37.6 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.36

80000

60000

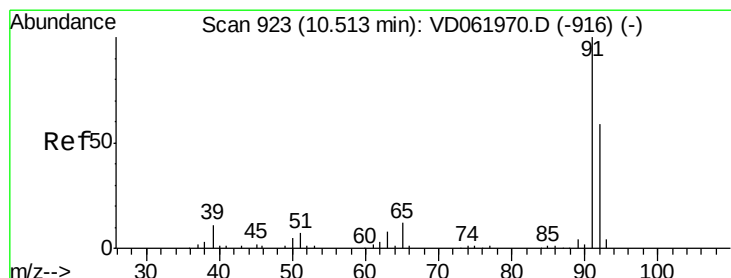
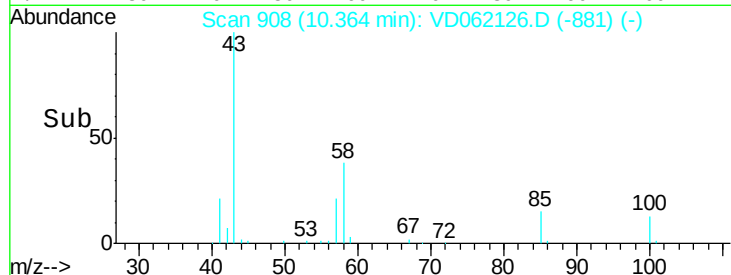
40000

20000

0

10.30 10.40 10.50

Time-->



#52

Toluene

Concen: 18.413 ug/l

RT: 10.58 min Scan# 930

Delta R.T. 0.06 min

Lab File: VD062126.D

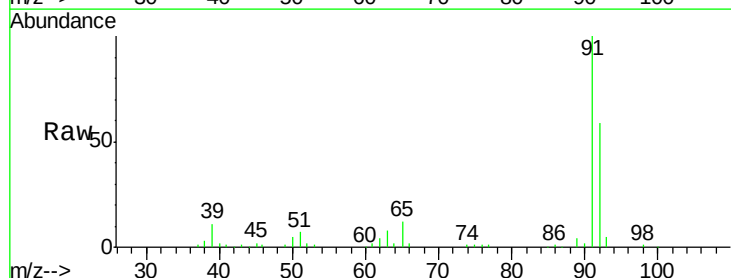
Acq: 6 May 2019 13:02

Tgt Ion: 92 Resp: 176956

Ion Ratio Lower Upper

92 100

91 170.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

150000

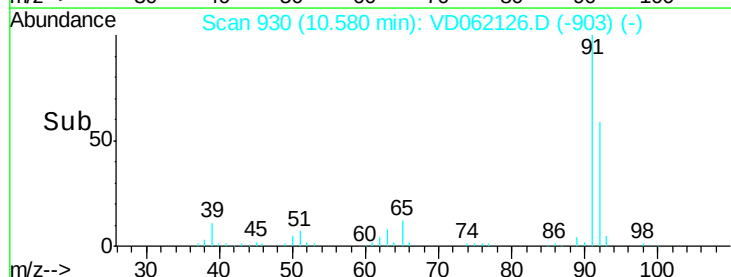
100000

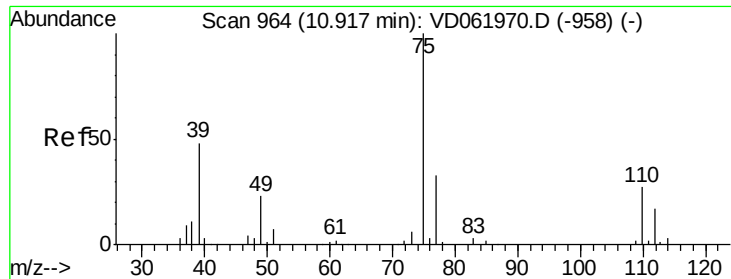
50000

0

10.50 10.60 10.70

Time-->

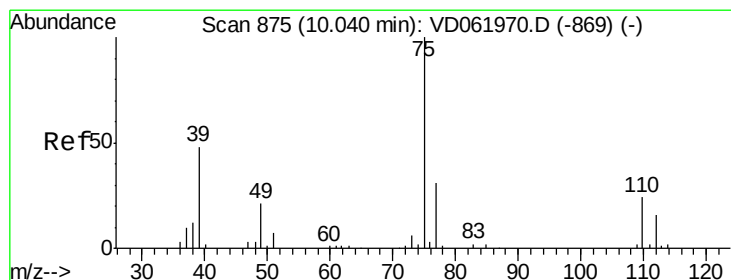
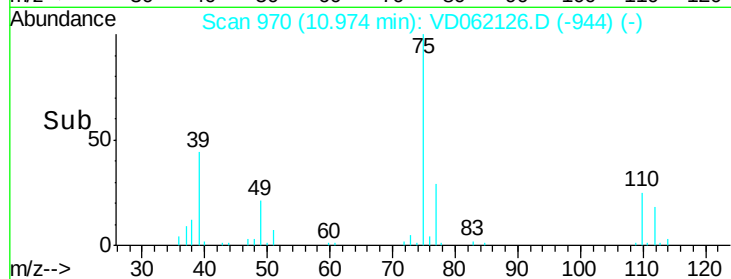
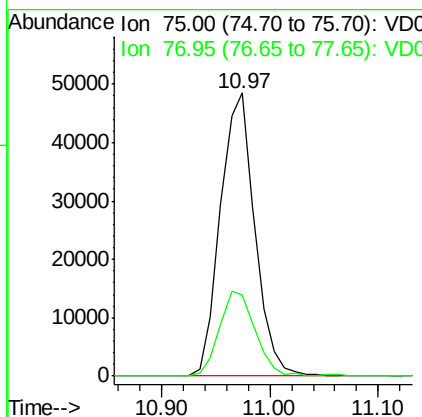
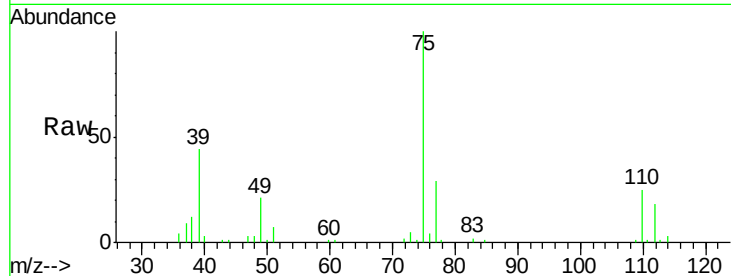




#53
 t-1,3-Dichloropropene
 Concen: 19.615 ug/l
 RT: 10.97 min Scan# 970
 Delta R.T. 0.05 min
 Lab File: VD062126.D
 Acq: 6 May 2019 13:02

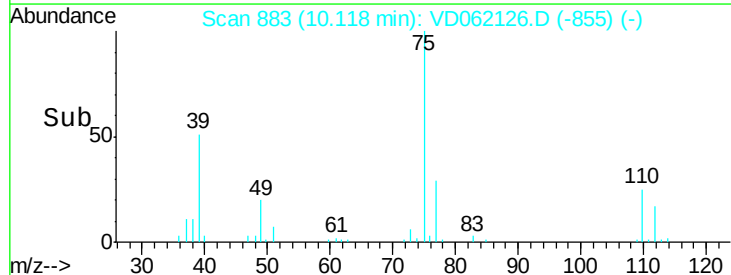
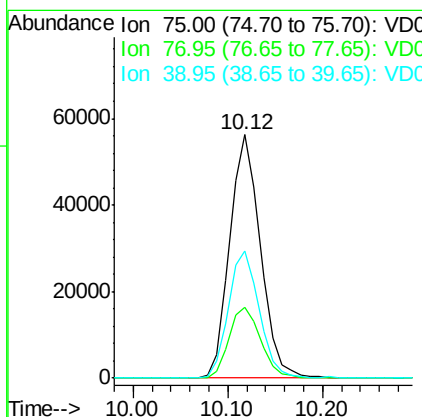
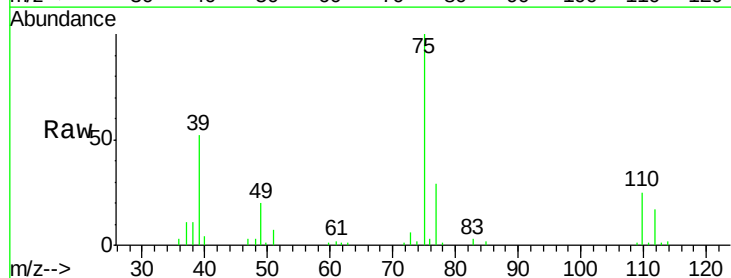
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

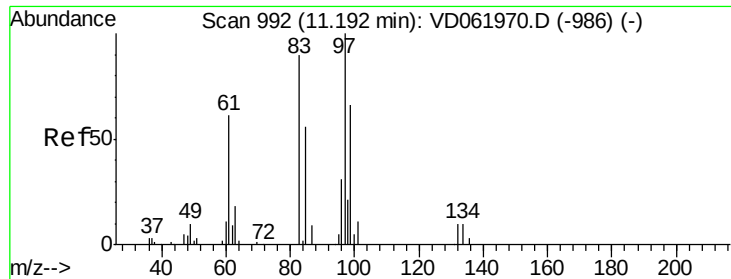
Tot Ion: 75 Resp: 107036
 Ion Ratio Lower Upper
 75 100
 77 28.6 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 19.038 ug/l
 RT: 10.12 min Scan# 883
 Delta R.T. 0.07 min
 Lab File: VD062126.D
 Acq: 6 May 2019 13:02

Tgt Ion: 75 Resp: 126357
 Ion Ratio Lower Upper
 75 100
 77 29.3 25.5 38.3
 39 52.2 39.4 59.2

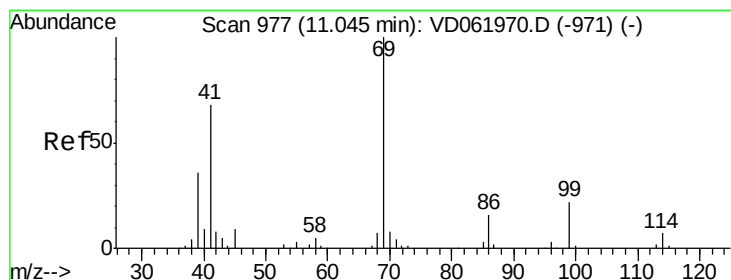
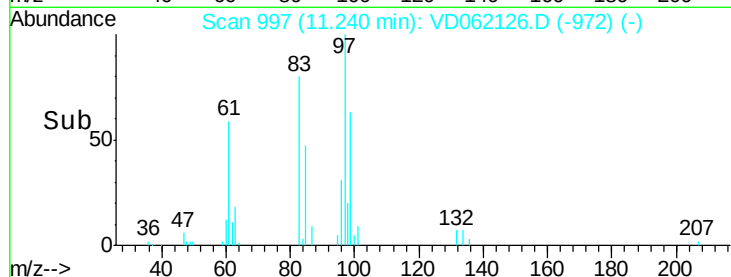
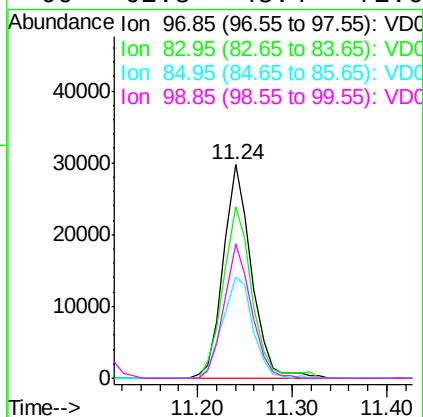
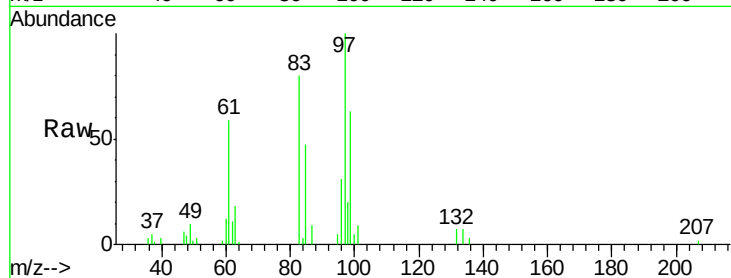




#55
 1,1,2-Trichloroethane
 Concen: 19.039 ug/l
 RT: 11.24 min Scan# 997
 Delta R.T. 0.04 min
 Lab File: VD062126.D
 Acq: 6 May 2019 13:02

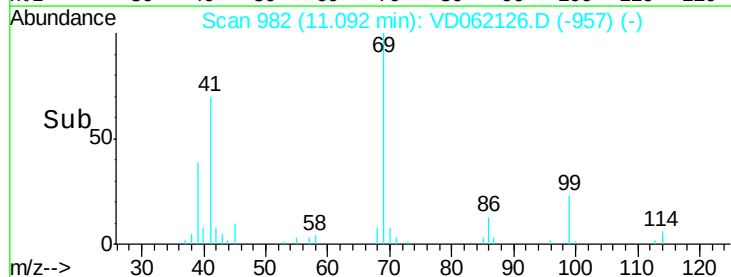
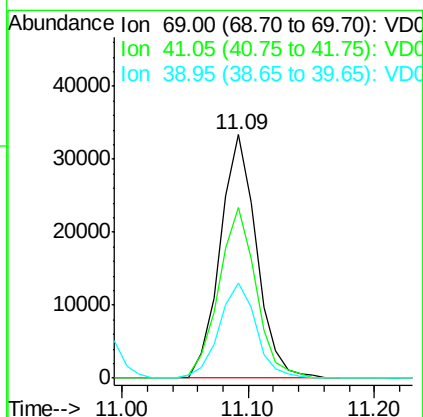
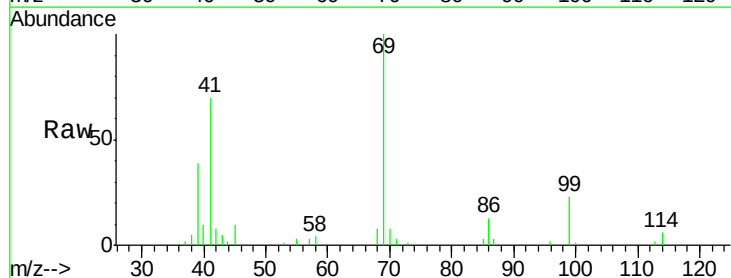
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

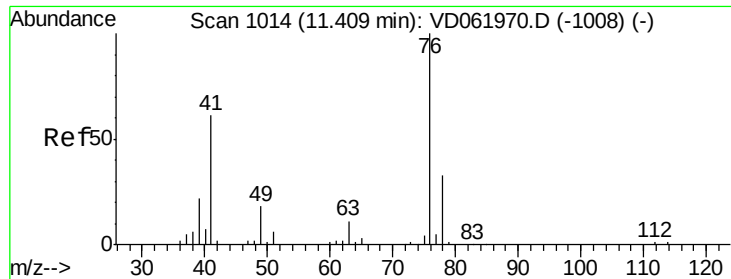
Tot Ion:	97	Resp:	61427
Ion	Ratio	Lower	Upper
97	100		
83	80.3	65.7	98.5
85	47.1	45.6	68.4
99	62.8	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 18.594 ug/l
 RT: 11.09 min Scan# 982
 Delta R.T. 0.04 min
 Lab File: VD062126.D
 Acq: 6 May 2019 13:02

Tgt Ion:	69	Resp:	66445
Ion	Ratio	Lower	Upper
69	100		
41	69.8	56.3	84.5
39	39.1	29.4	44.2

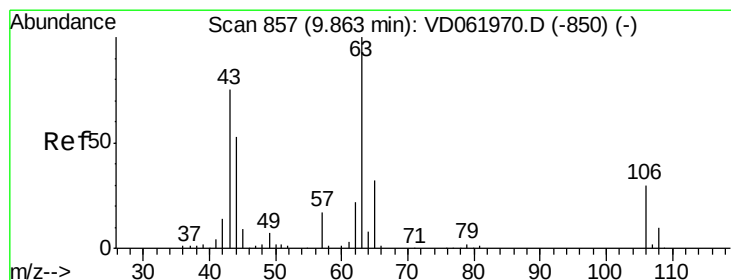
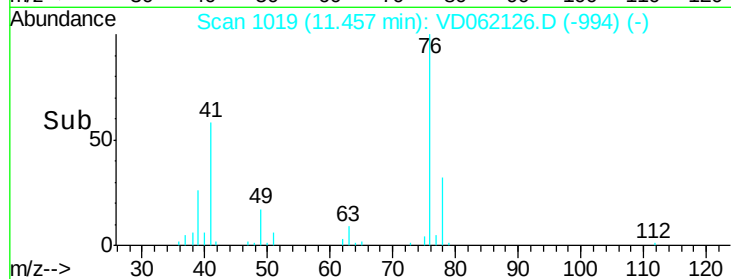
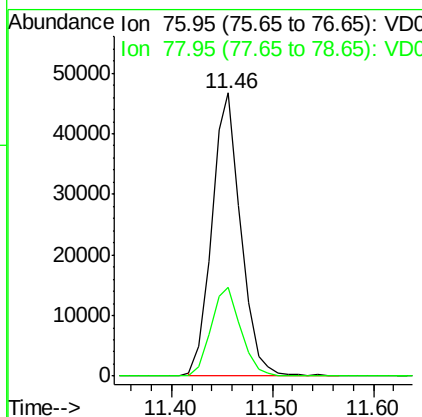
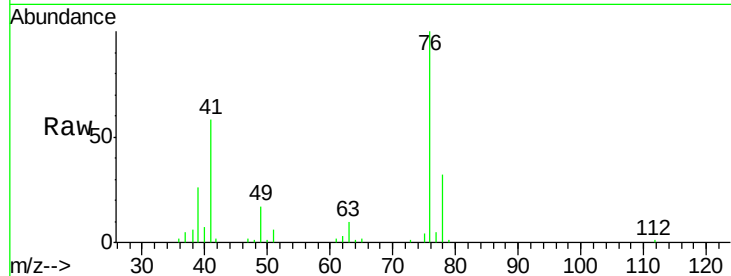




#57
 1,3-Dichloropropane
 Concen: 18.725 ug/l
 RT: 11.46 min Scan# 1019
 Delta R.T. 0.04 min
 Lab File: VD062126.D
 Acq: 6 May 2019 13:02

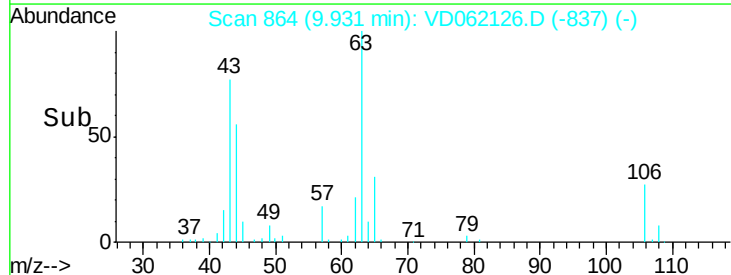
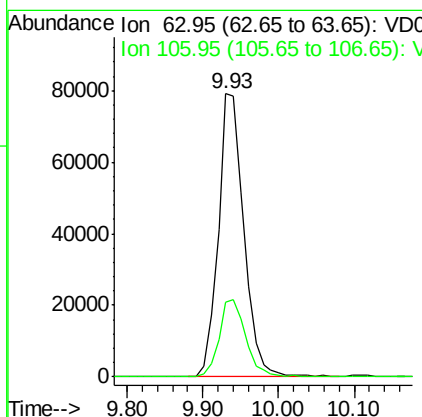
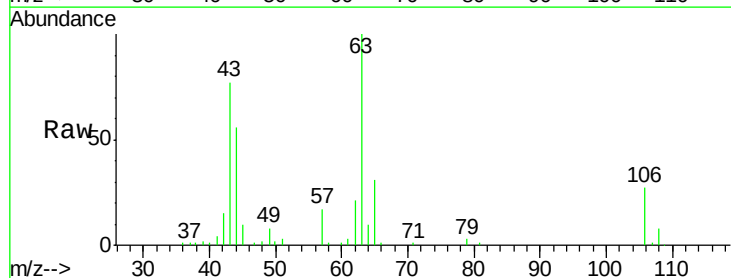
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

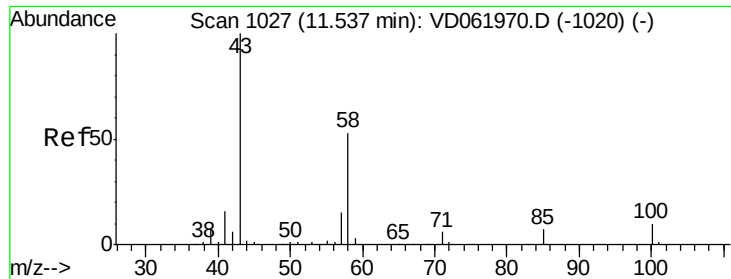
Tot Ion: 76 Resp: 93308
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.825 ug/l
 RT: 9.93 min Scan# 864
 Delta R.T. 0.06 min
 Lab File: VD062126.D
 Acq: 6 May 2019 13:02

Tgt Ion: 63 Resp: 185783
 Ion Ratio Lower Upper
 63 100
 106 26.6 22.6 34.0

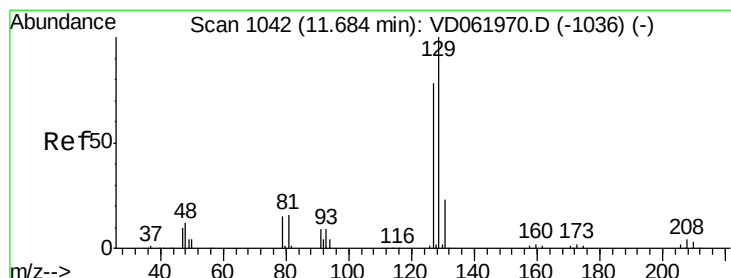
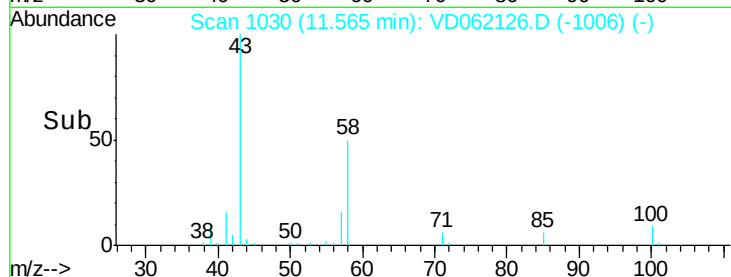
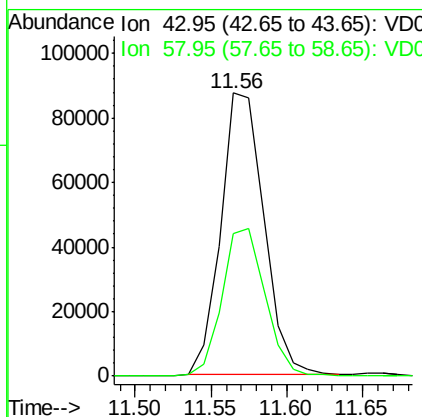
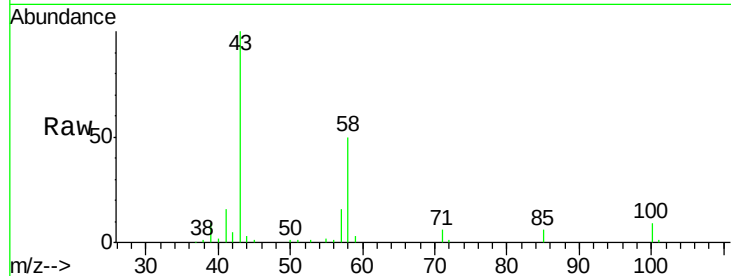




#59
2-Hexanone
Concen: 98.356 ug/l
RT: 11.56 min Scan# 1030
Delta R.T. 0.03 min
Lab File: VD062126.D
Acq: 6 May 2019 13:02

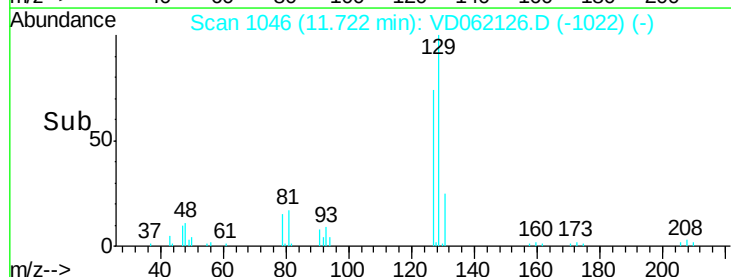
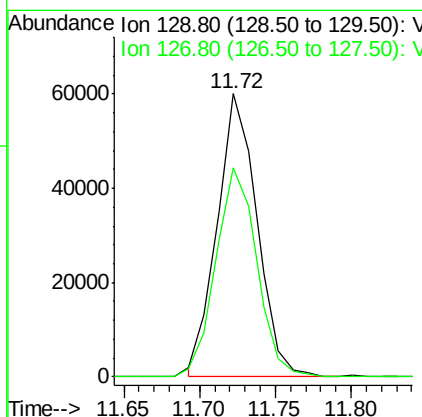
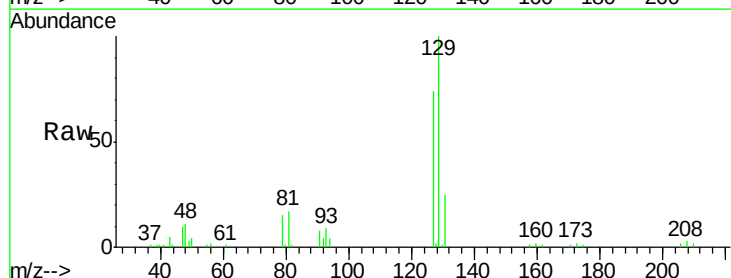
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBS01

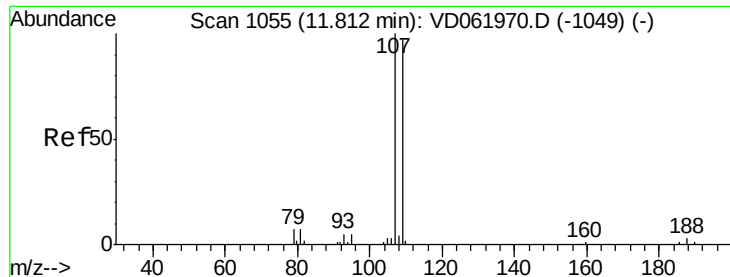
Tot Ion: 43 Resp: 171048
Ion Ratio Lower Upper
43 100
58 50.2 25.4 76.4



#60
Dibromochloromethane
Concen: 20.608 ug/l
RT: 11.72 min Scan# 1046
Delta R.T. 0.03 min
Lab File: VD062126.D
Acq: 6 May 2019 13:02

Tgt Ion: 129 Resp: 110017
Ion Ratio Lower Upper
129 100
127 74.1 38.0 113.9

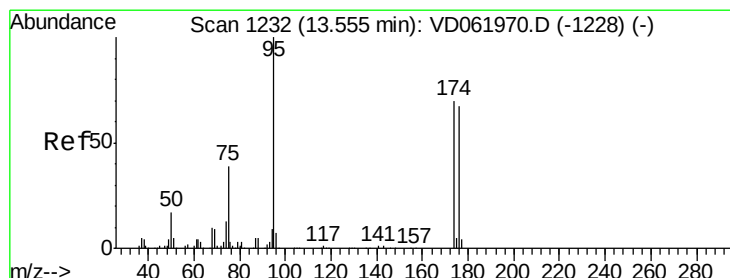
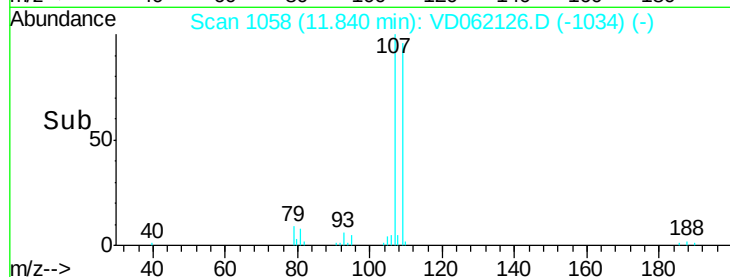
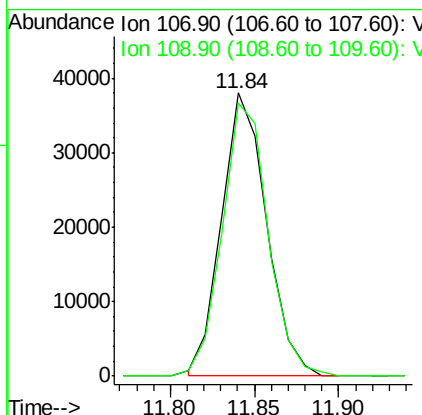
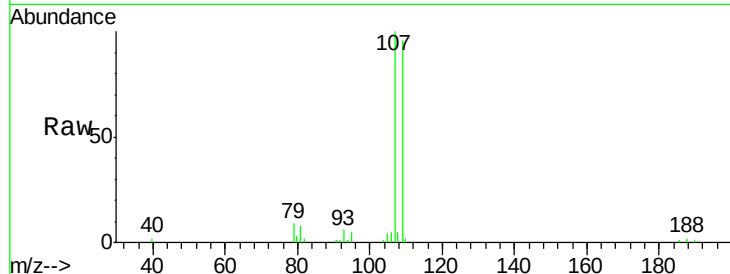




#61
 1,2-Dibromoethane
 Concen: 18.389 ug/l
 RT: 11.84 min Scan# 1058
 Delta R.T. 0.03 min
 Lab File: VD062126.D
 Acq: 6 May 2019 13:02

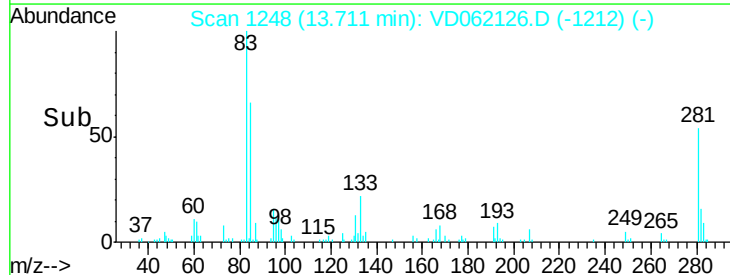
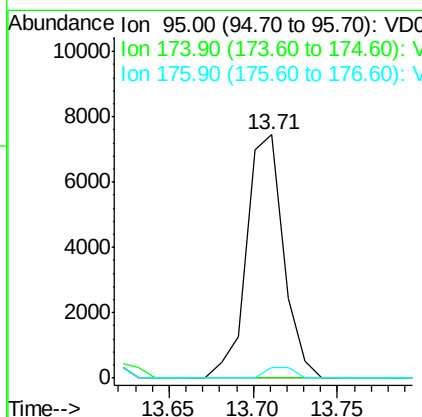
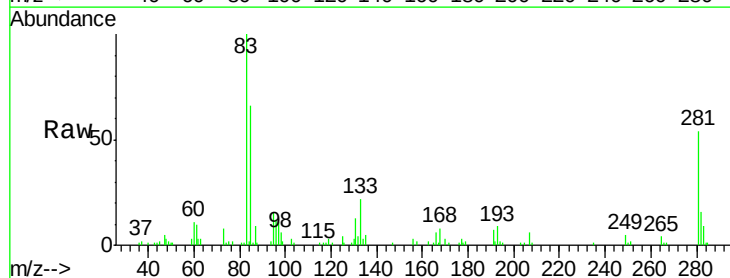
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

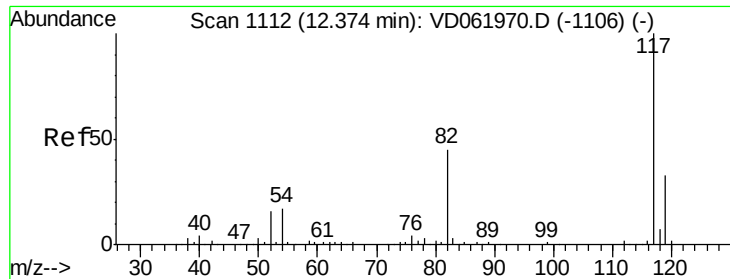
Tot Ion:107 Resp: 70381
 Ion Ratio Lower Upper
 107 100
 109 96.5 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 2.195 ug/l
 RT: 13.71 min Scan# 1248
 Delta R.T. 0.15 min
 Lab File: VD062126.D
 Acq: 6 May 2019 13:02

Tgt Ion: 95 Resp: 11322
 Ion Ratio Lower Upper
 95 100
 174 0.0 0.0 181.8
 176 4.3 0.0 174.4

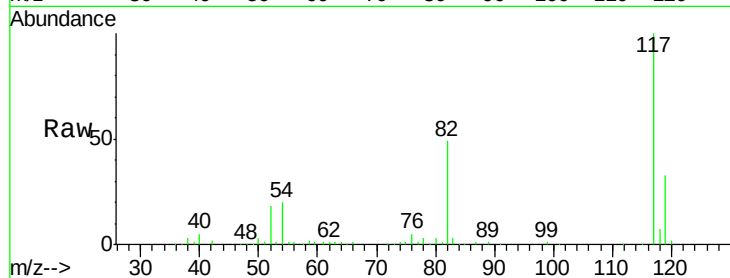




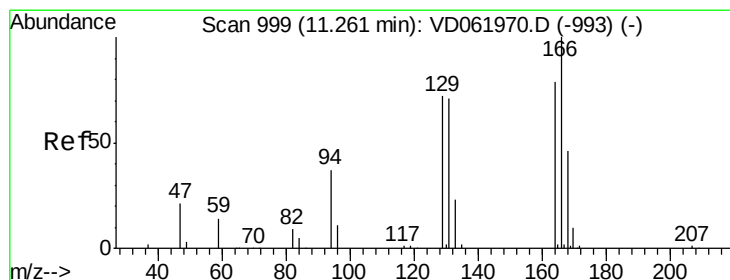
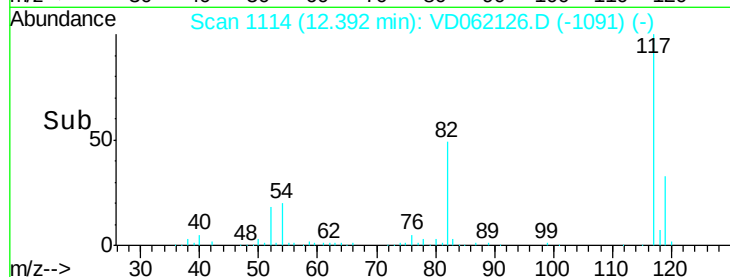
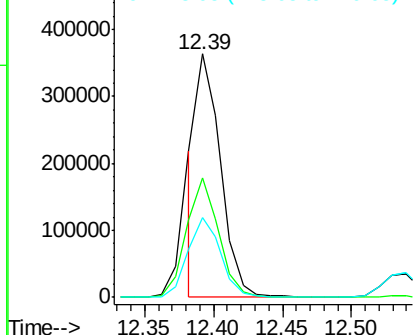
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.02 min
Lab File: VD062126.D
Acq: 6 May 2019 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBS01

Tot Ion:117 Resp: 440657
Ion Ratio Lower Upper
117 100
82 49.1 36.2 54.2
119 32.6 26.2 39.4



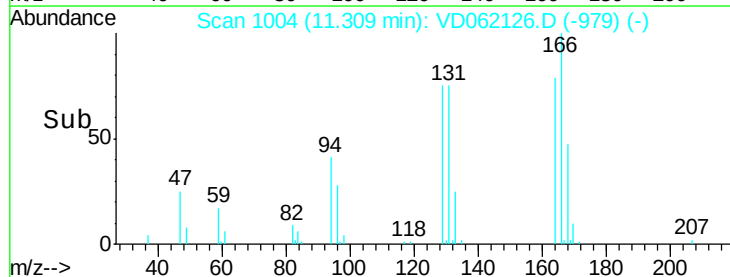
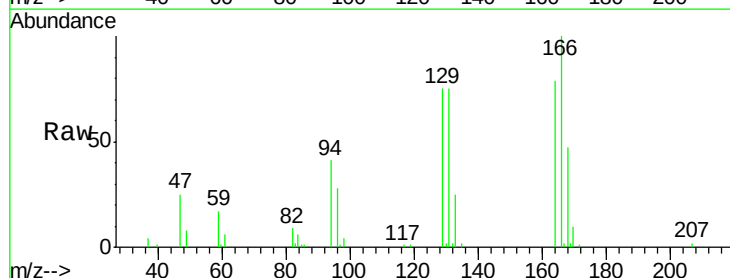
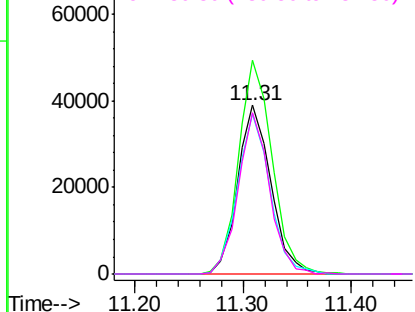
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

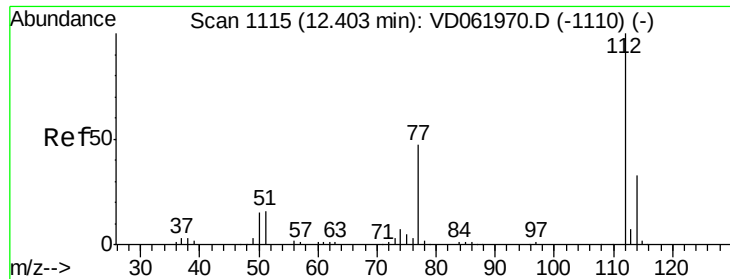


#64
Tetrachloroethene
Concen: 26.363 ug/l
RT: 11.31 min Scan# 1004
Delta R.T. 0.04 min
Lab File: VD062126.D
Acq: 6 May 2019 13:02

Tgt Ion:164 Resp: 82871
Ion Ratio Lower Upper
164 100
166 126.6 101.5 152.3
129 94.8 74.6 112.0
131 95.4 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

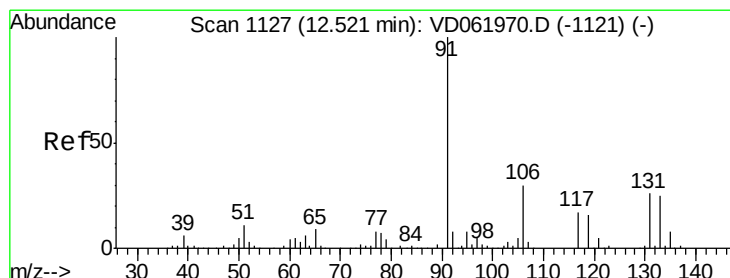
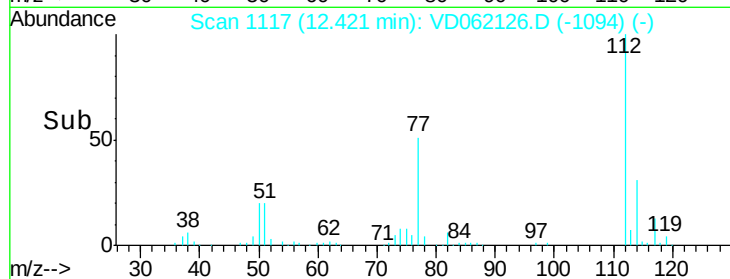
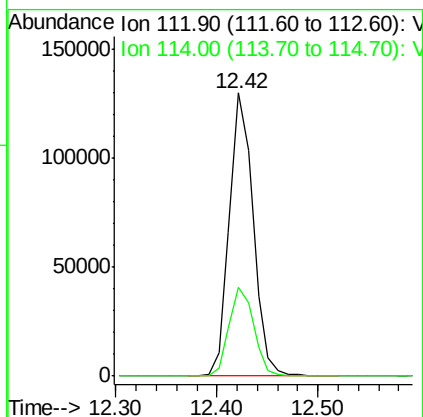
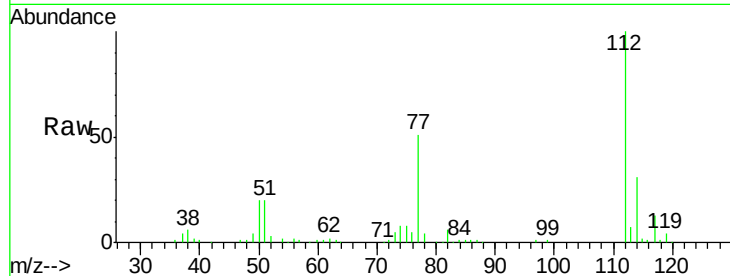




#65
Chlorobenzene
Concen: 25.609 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. 0.02 min
Lab File: VD062126.D
Acq: 6 May 2019 13:02

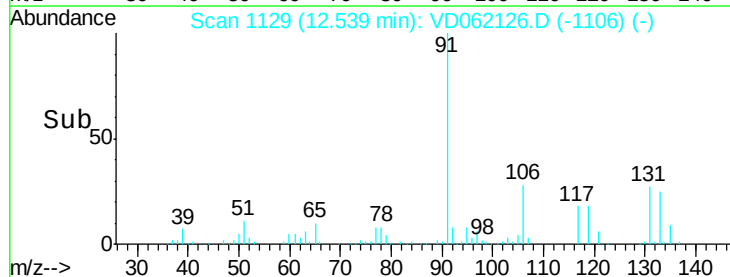
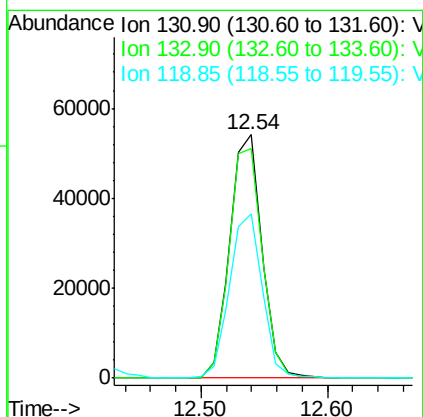
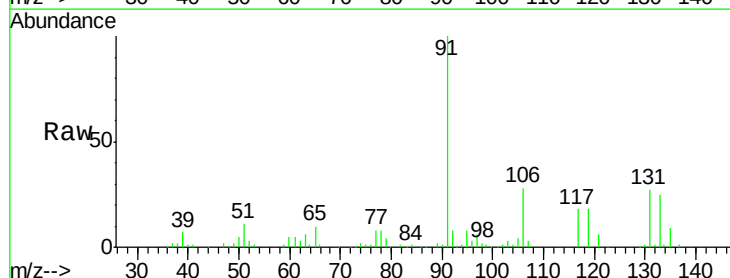
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBS01

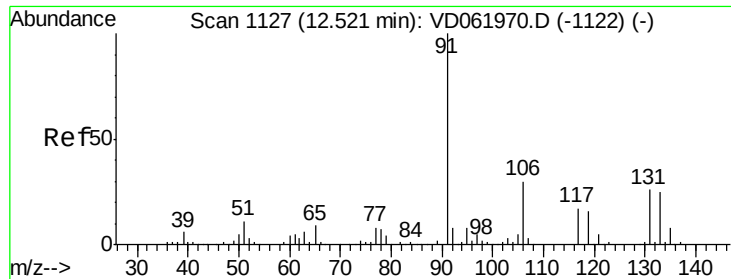
Tot Ion:112 Resp: 213238
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 26.926 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062126.D
Acq: 6 May 2019 13:02

Tgt Ion:131 Resp: 95103
Ion Ratio Lower Upper
131 100
133 94.1 48.6 145.8
119 67.4 34.7 104.1

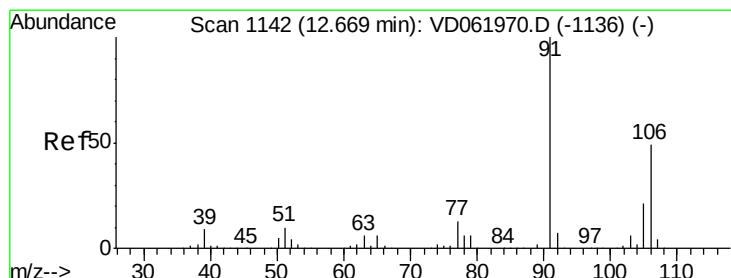
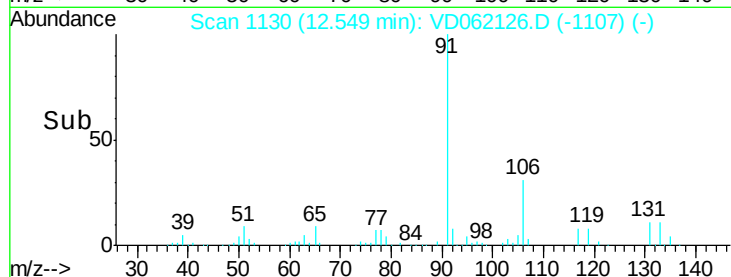
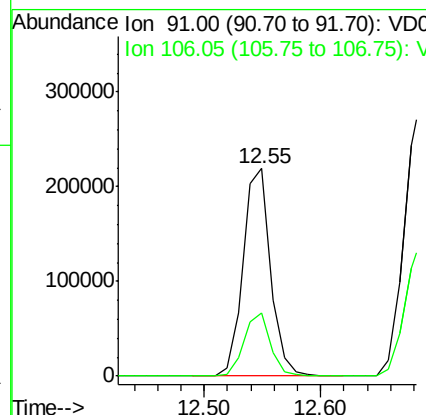
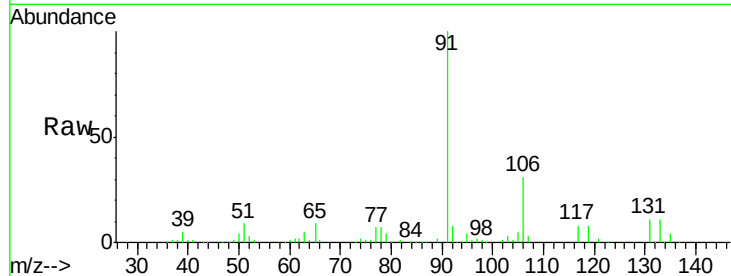




#67
Ethyl Benzene
Concen: 26.273 ug/l
RT: 12.55 min Scan# 1130
Delta R.T. 0.02 min
Lab File: VD062126.D
Acq: 6 May 2019 13:02

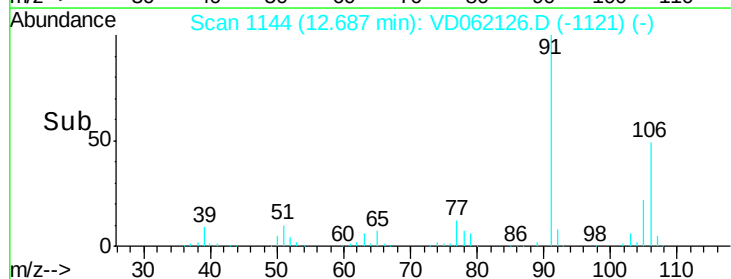
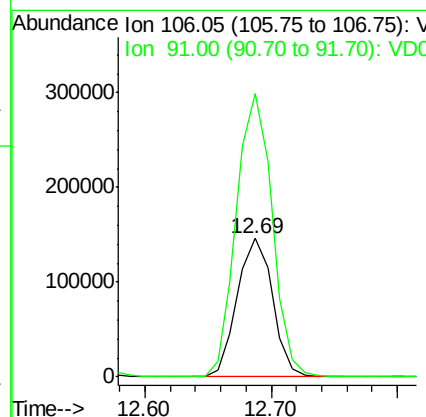
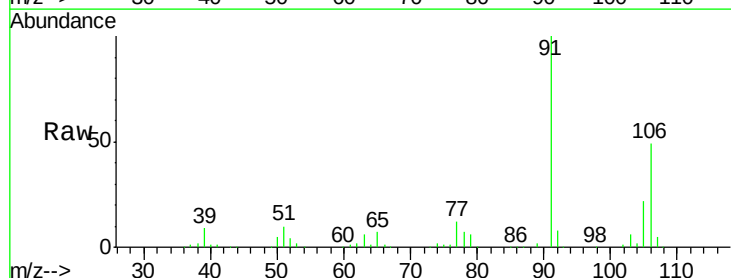
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBS01

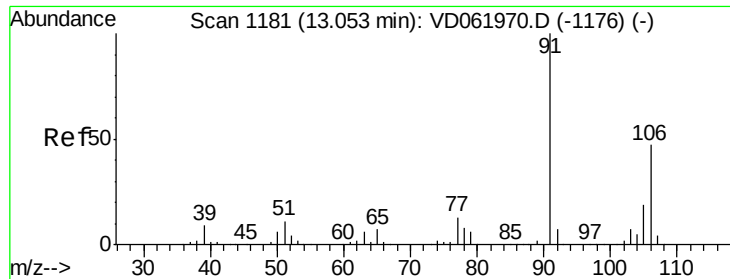
Tot Ion: 91 Resp: 357081
Ion Ratio Lower Upper
91 100
106 30.7 24.7 37.1



#68
m/p-Xylenes
Concen: 57.889 ug/l
RT: 12.69 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062126.D
Acq: 6 May 2019 13:02

Tgt Ion: 106 Resp: 284357
Ion Ratio Lower Upper
106 100
91 204.5 164.0 246.0

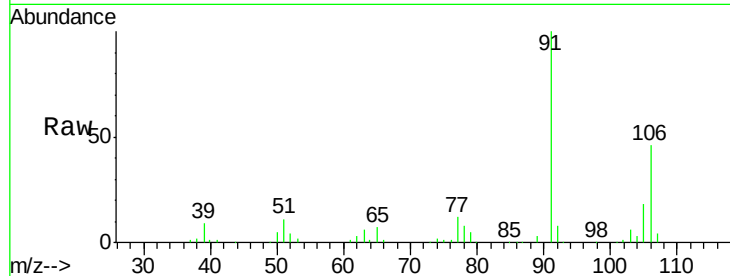




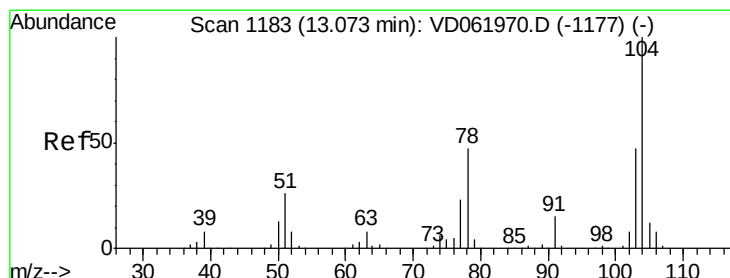
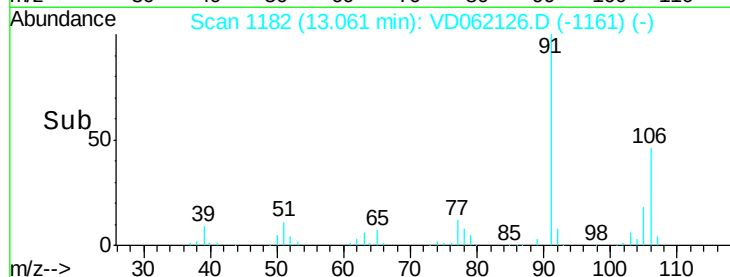
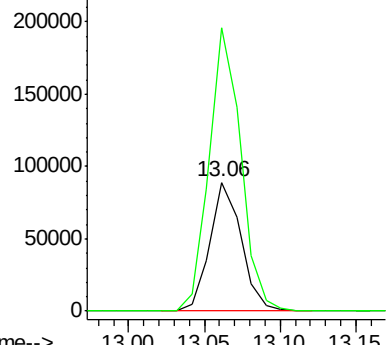
#69
o-Xylene
Concen: 28.575 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD062126.D
Acq: 6 May 2019 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBS01

Tot Ion:106 Resp: 128428
Ion Ratio Lower Upper
106 100
91 219.6 106.7 319.9

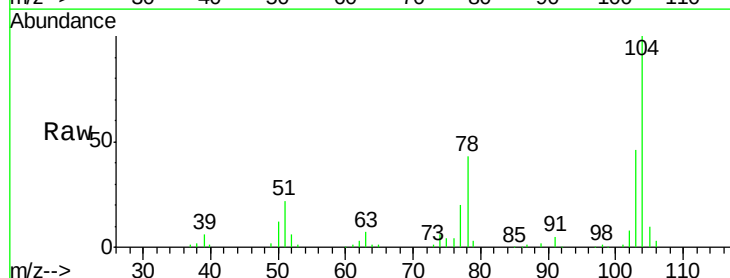


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

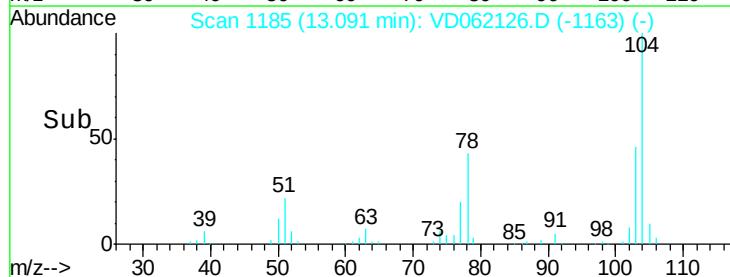
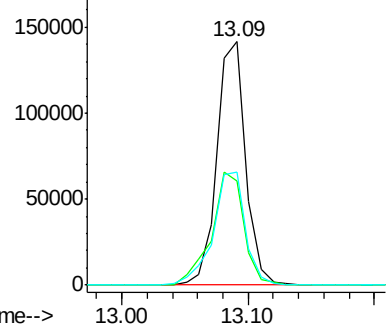


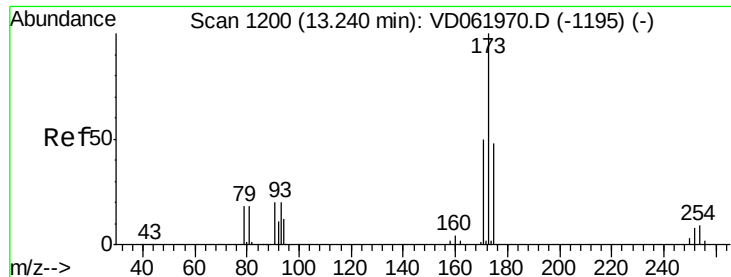
#70
Styrene
Concen: 28.737 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VD062126.D
Acq: 6 May 2019 13:02

Tgt Ion:104 Resp: 223013
Ion Ratio Lower Upper
104 100
78 42.9 35.4 53.2
103 46.4 37.5 56.3



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





#71

Bromoform

Concen: 31.025 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD062126.D

Acq: 6 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

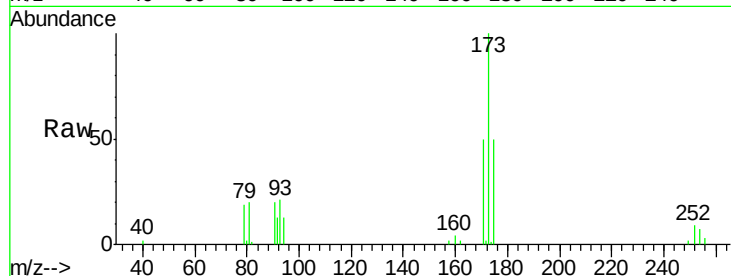
Tot Ion:173 Resp: 62475

Ion Ratio Lower Upper

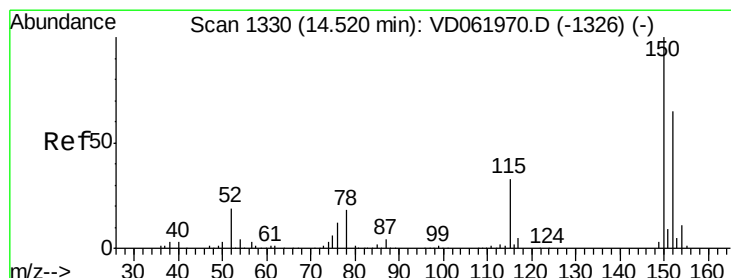
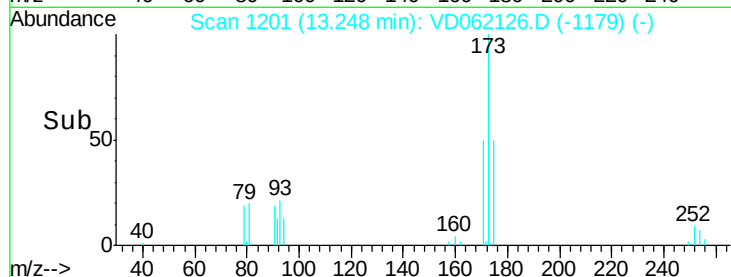
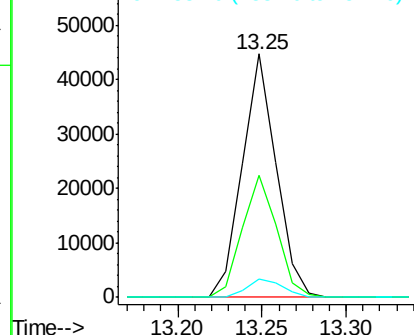
173 100

175 50.0 24.4 73.4

254 7.3 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# 1330

Delta R.T. -0.01 min

Lab File: VD062126.D

Acq: 6 May 2019 13:02

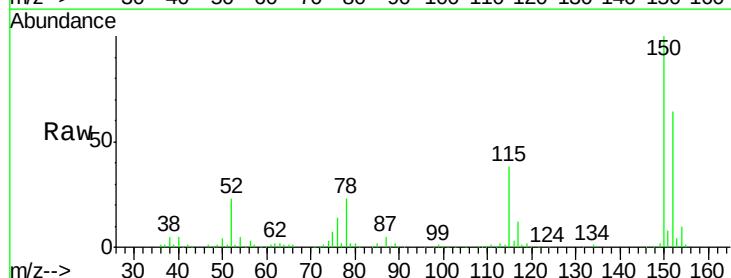
Tgt Ion:152 Resp: 325620

Ion Ratio Lower Upper

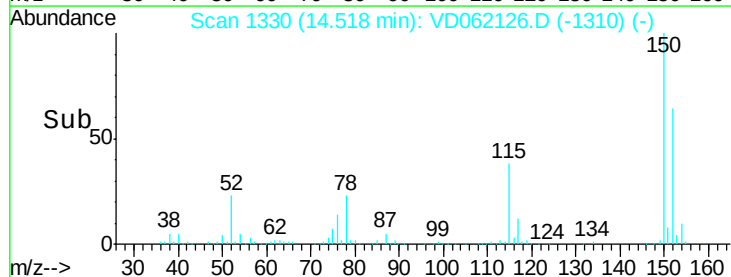
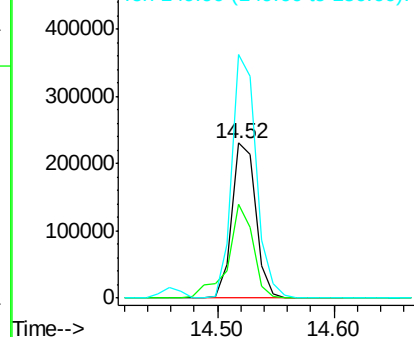
152 100

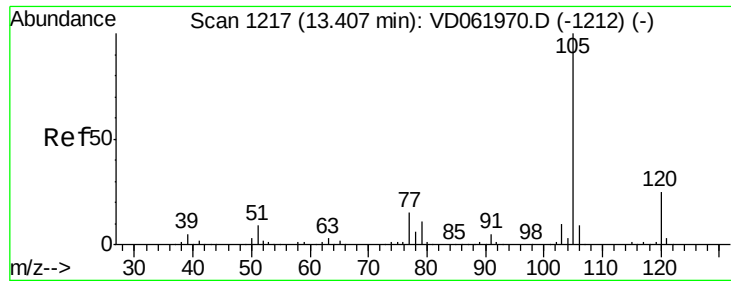
115 60.5 30.9 92.7

150 157.2 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: 18.420 ug/l

RT: 13.42 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062126.D

Acq: 6 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

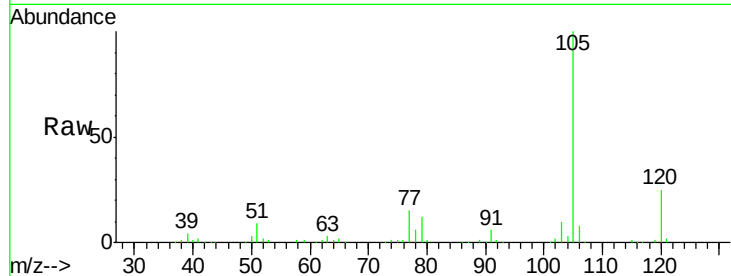
VD0506SBS01

Tot Ion:105 Resp: 400099

Ion Ratio Lower Upper

105 100

120 25.4 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.42

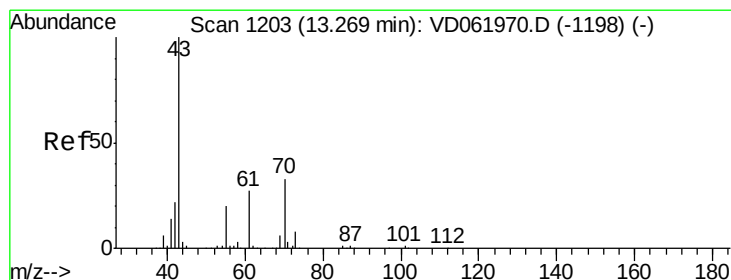
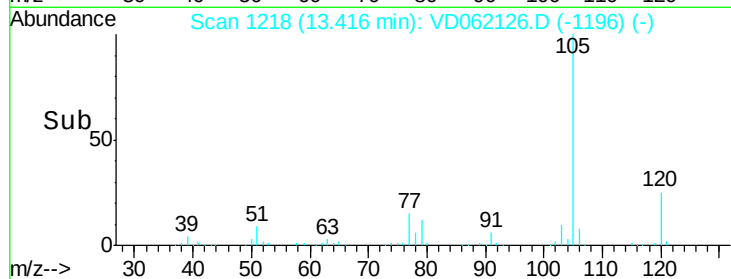
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 17.132 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD062126.D

Acq: 6 May 2019 13:02

Tgt Ion: 43 Resp: 95836

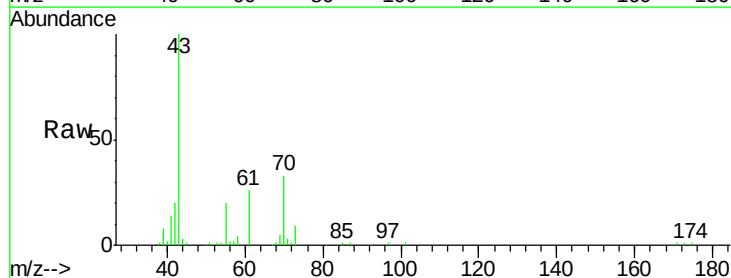
Ion Ratio Lower Upper

43 100

70 32.6 24.2 36.4

55 20.3 16.0 24.0

61 26.2 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

13.28

100000

80000

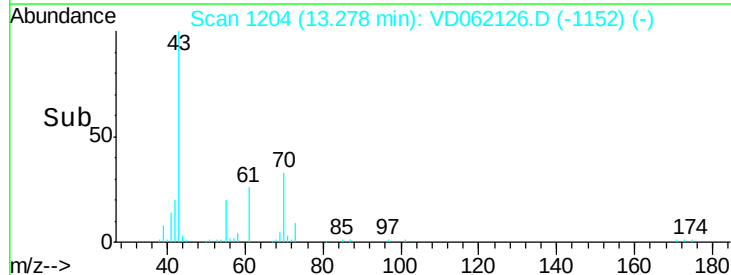
60000

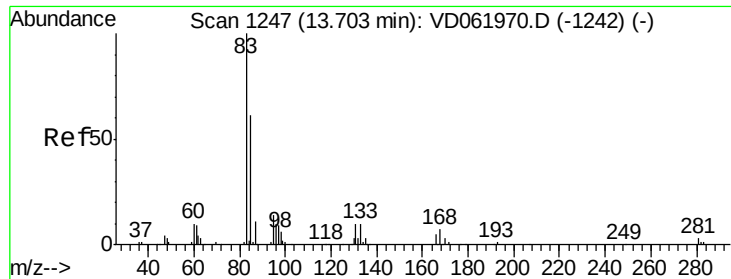
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.035 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062126.D

Acq: 6 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

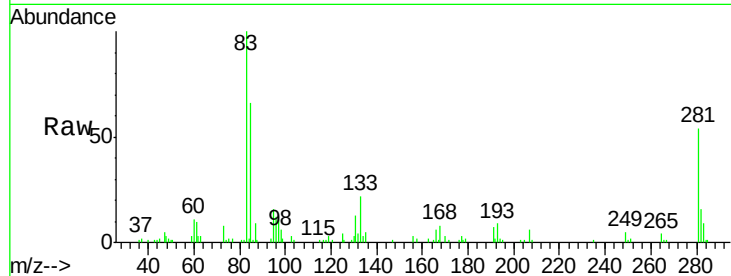
Tot Ion: 83 Resp: 72511

Ion Ratio Lower Upper

83 100

131 12.6 5.0 14.9

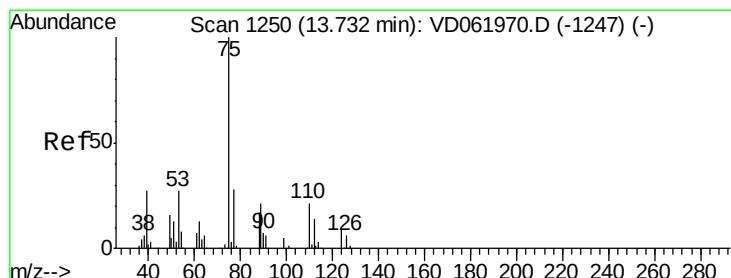
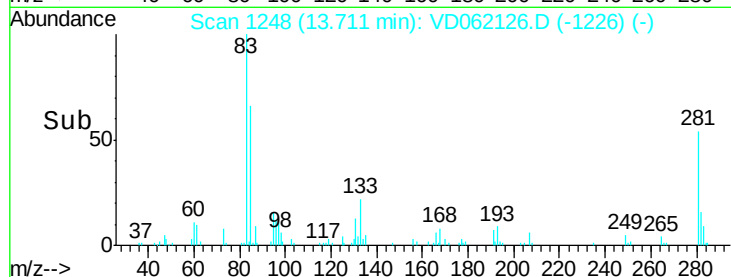
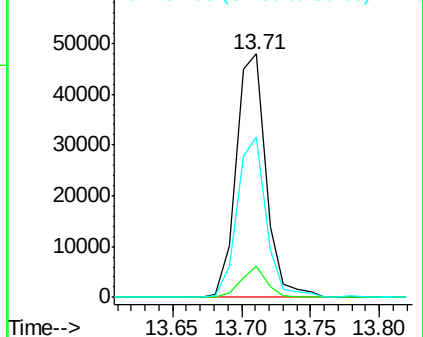
85 65.7 32.6 97.7



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: 18.548 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD062126.D

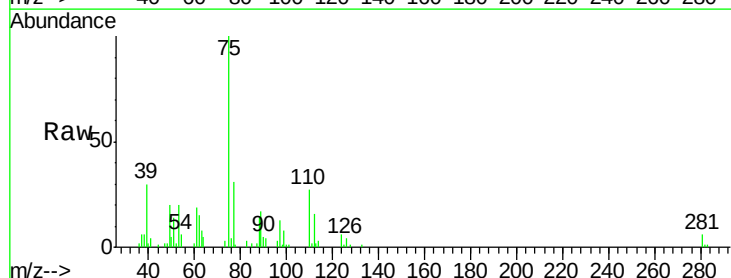
Acq: 6 May 2019 13:02

Tgt Ion: 75 Resp: 76696

Ion Ratio Lower Upper

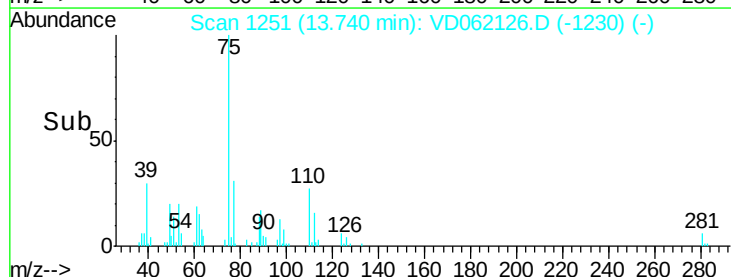
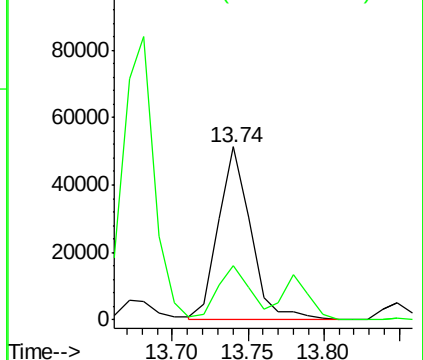
75 100

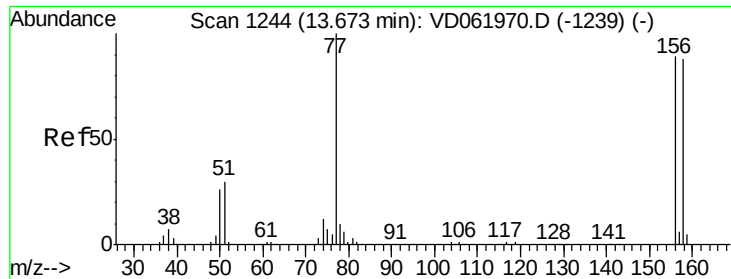
77 31.3 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 16.032 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062126.D

Acq: 6 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

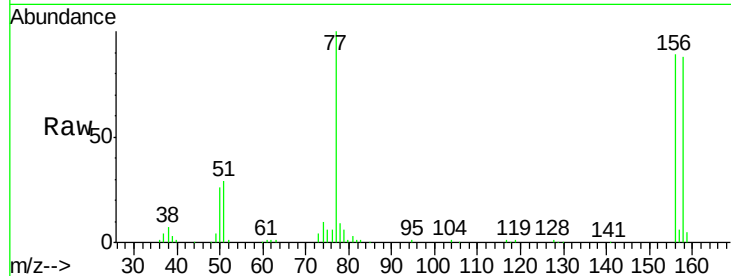
Tot Ion:156 Resp: 99897

Ion Ratio Lower Upper

156 100

77 112.1 53.1 159.4

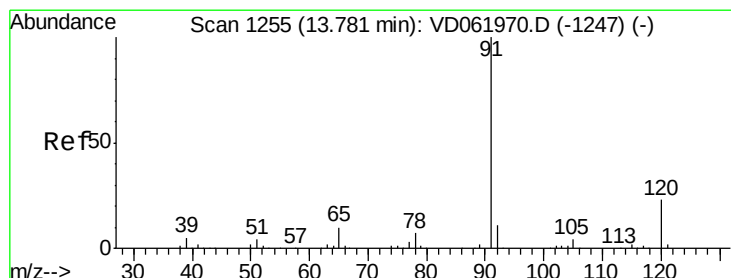
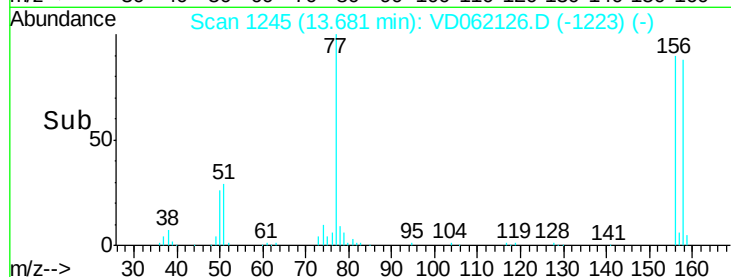
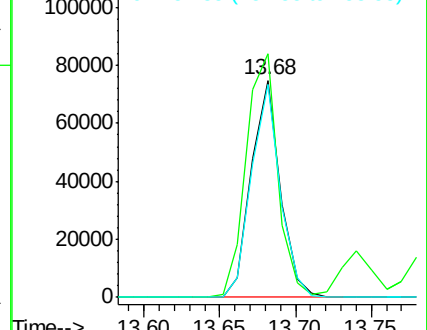
158 98.2 49.4 148.0



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: 18.509 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062126.D

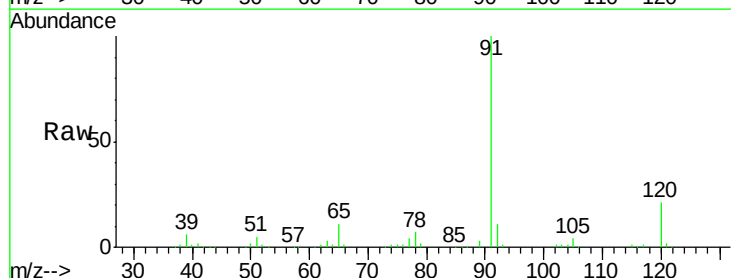
Acq: 6 May 2019 13:02

Tgt Ion: 91 Resp: 460246

Ion Ratio Lower Upper

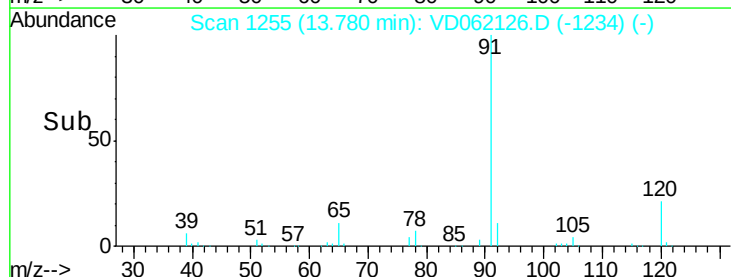
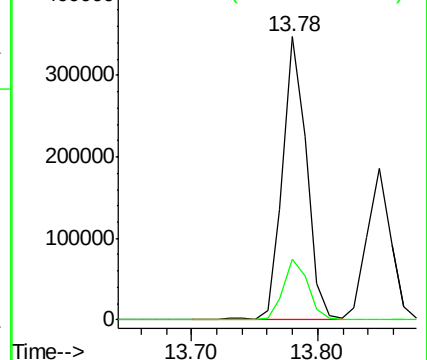
91 100

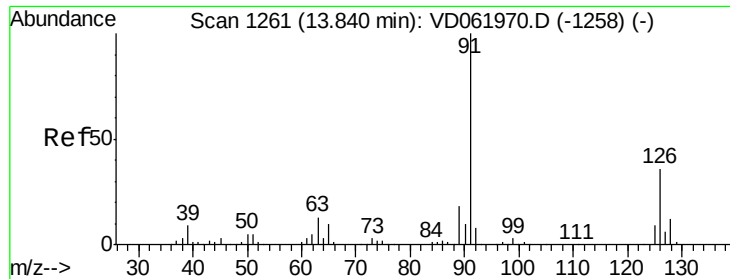
120 21.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

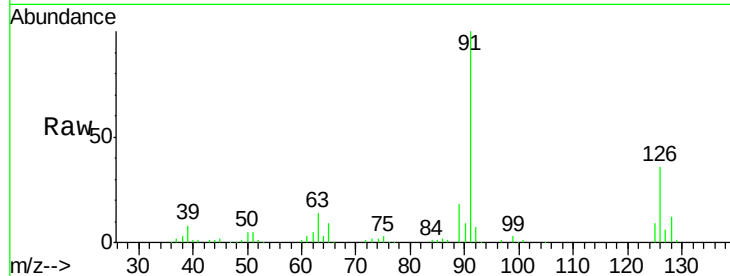




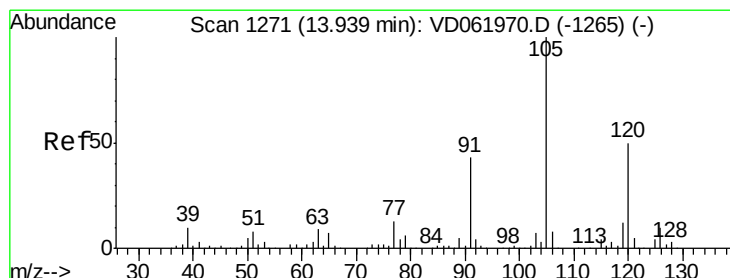
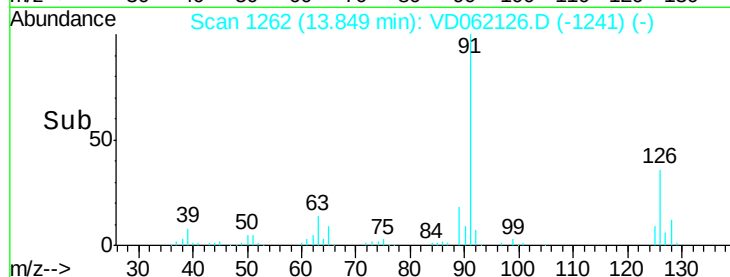
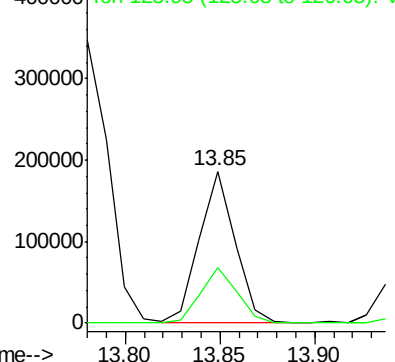
#79
 2-Chlorotoluene
 Concen: 16.230 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD062126.D
 Acq: 6 May 2019 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

Tot Ion: 91 Resp: 244441
 Ion Ratio Lower Upper
 91 100
 126 36.4 18.6 55.8

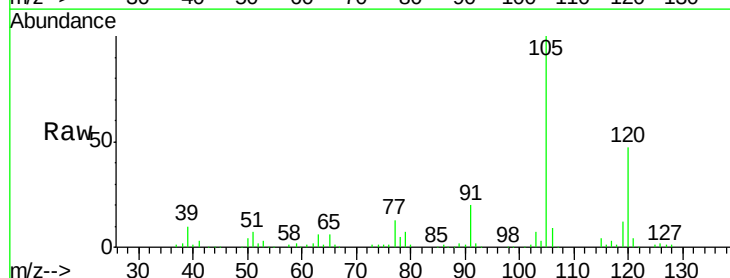


Abundance Ion 91.00 (90.70 to 91.70): VD061970.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD061970.D (-1258) (-)

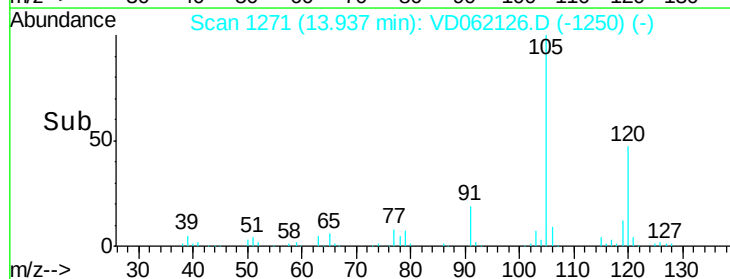
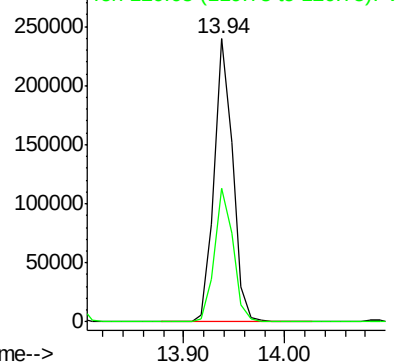


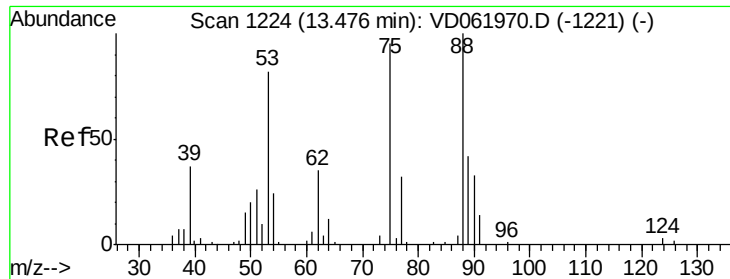
#80
 1,3,5-Trimethylbenzene
 Concen: 17.597 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062126.D
 Acq: 6 May 2019 13:02

Tgt Ion: 105 Resp: 304770
 Ion Ratio Lower Upper
 105 100
 120 47.2 24.0 72.0



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

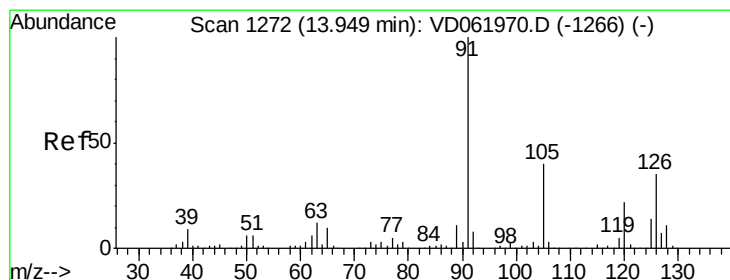
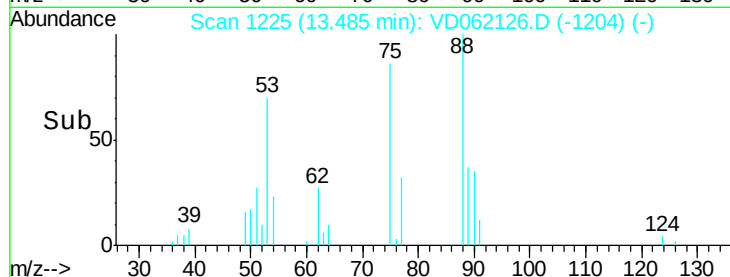
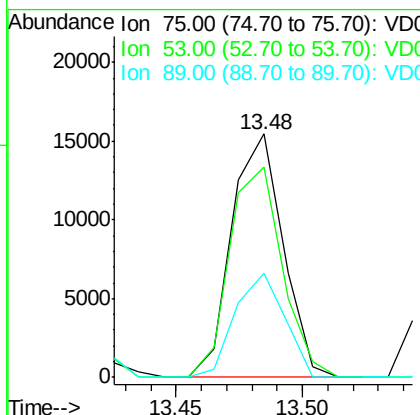
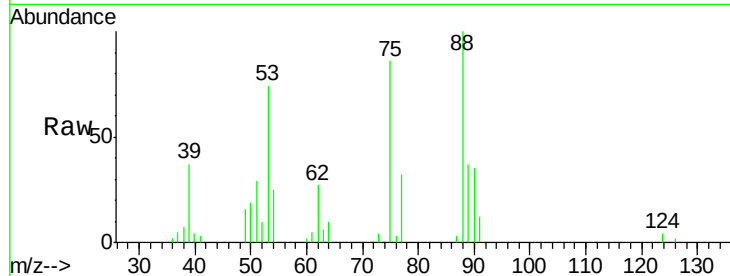




#81
trans-1,4-Dichloro-2-butene
Concen: 17.491 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VD062126.D
Acq: 6 May 2019 13:02

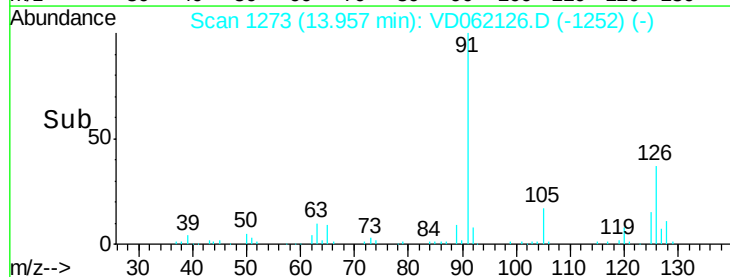
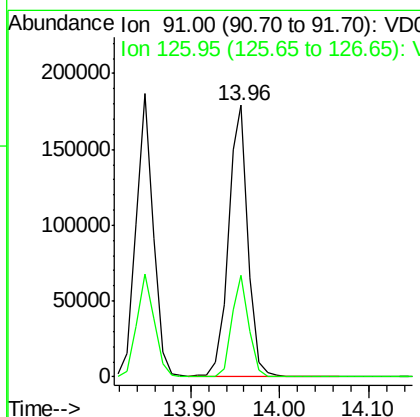
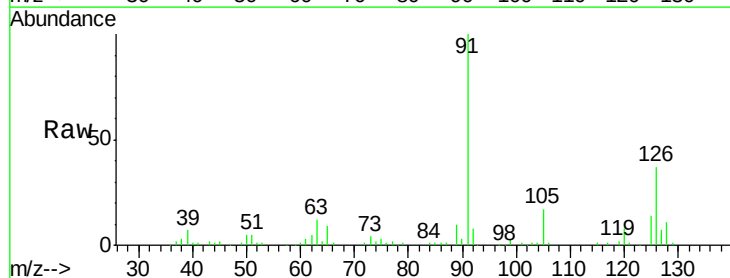
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBS01

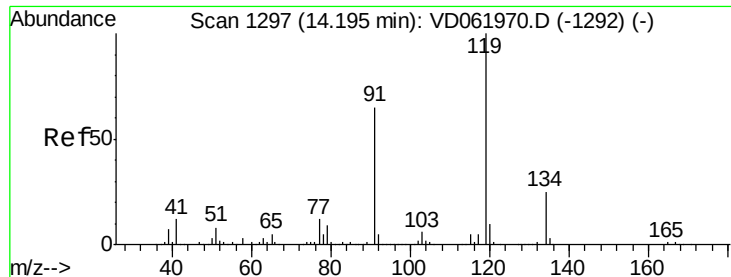
Tot Ion: 75 Resp: 21917
Ion Ratio Lower Upper
75 100
53 86.5 65.8 98.8
89 42.6 35.0 52.6



#82
4-Chlorotoluene
Concen: 16.752 ug/l
RT: 13.96 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VD062126.D
Acq: 6 May 2019 13:02

Tgt Ion: 91 Resp: 277857
Ion Ratio Lower Upper
91 100
126 37.2 19.1 57.5

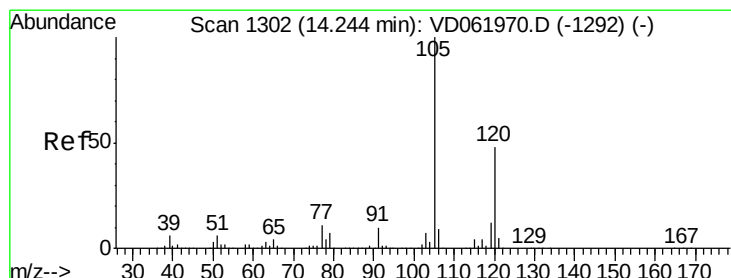
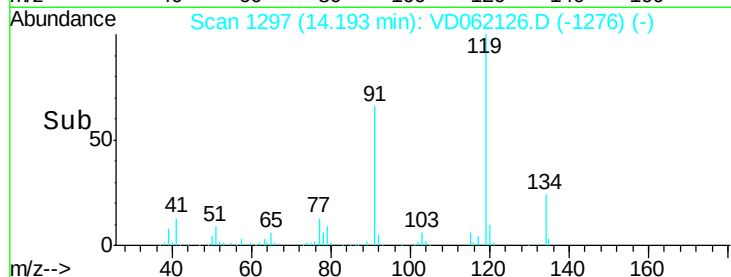
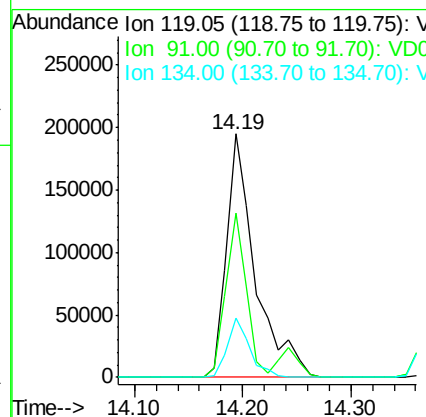
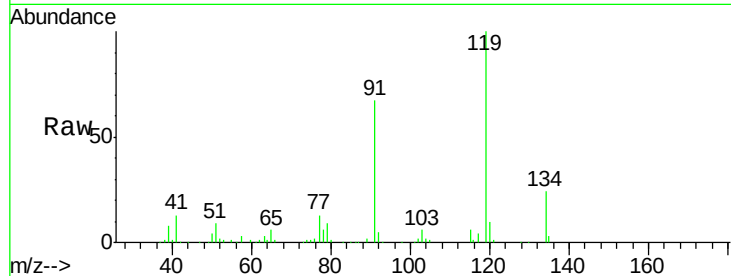




#83
 tert-Butylbenzene
 Concen: 17.844 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD062126.D
 Acq: 6 May 2019 13:02

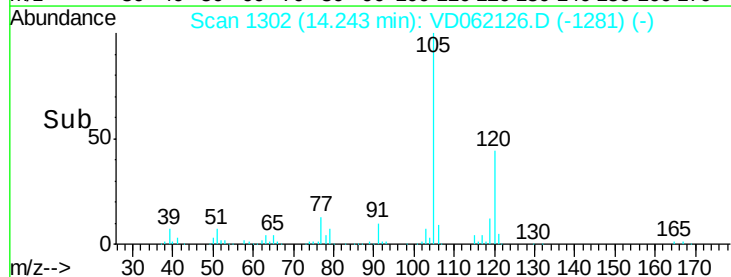
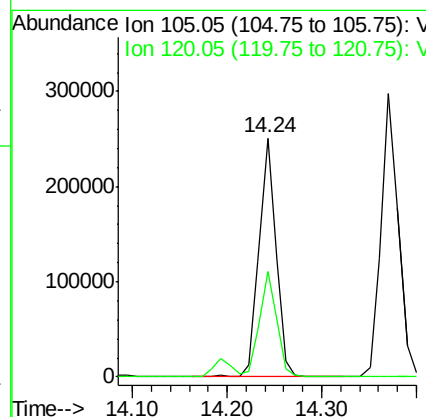
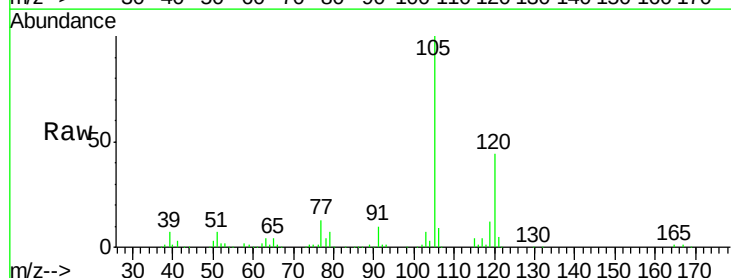
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

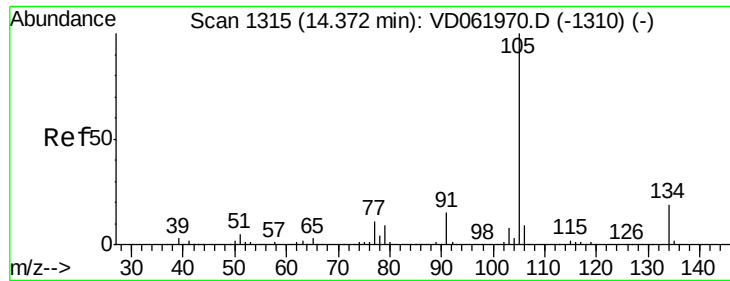
Tot Ion:119 Resp: 358019
 Ion Ratio Lower Upper
 119 100
 91 67.3 34.2 102.6
 134 24.1 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 19.019 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062126.D
 Acq: 6 May 2019 13:02

Tgt Ion:105 Resp: 314522
 Ion Ratio Lower Upper
 105 100
 120 44.0 23.1 69.2





#85

sec-Butylbenzene

Concen: 17.683 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD062126.D

Acq: 6 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

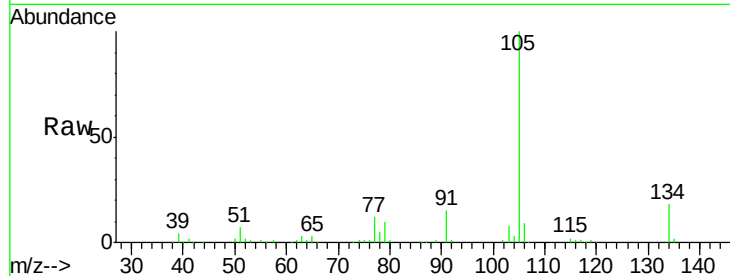
VD0506SBS01

Tot Ion:105 Resp: 383360

Ion Ratio Lower Upper

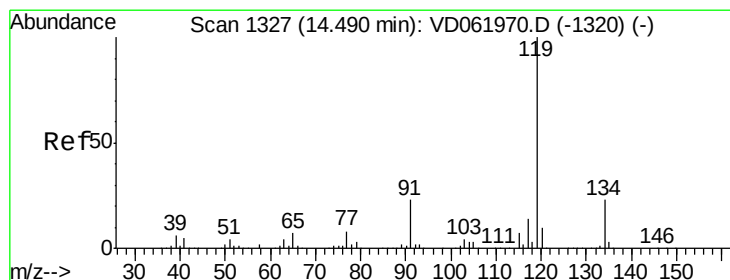
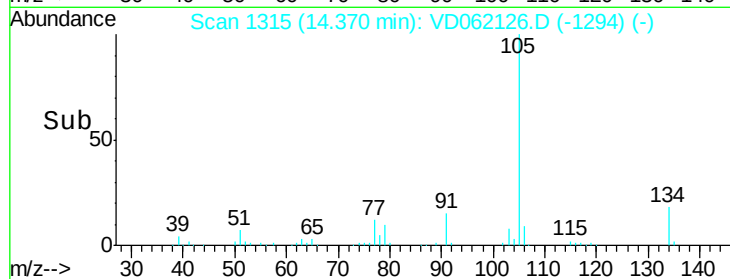
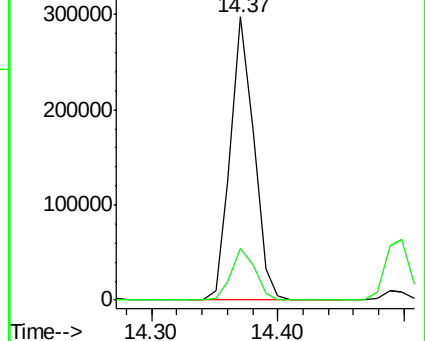
105 100

134 18.1 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: 18.847 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.00 min

Lab File: VD062126.D

Acq: 6 May 2019 13:02

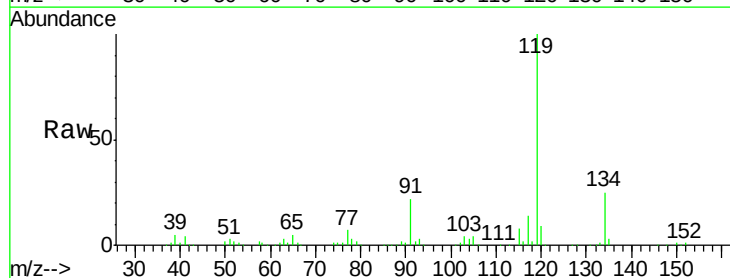
Tgt Ion:119 Resp: 365678

Ion Ratio Lower Upper

119 100

134 25.1 12.8 38.3

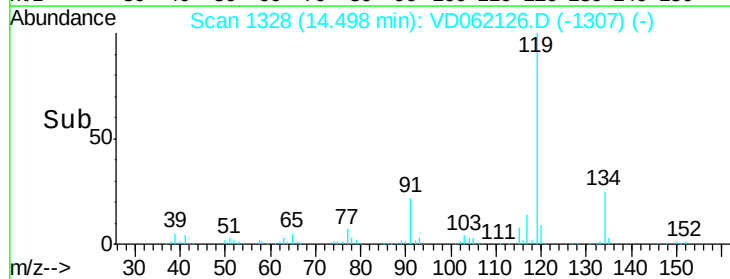
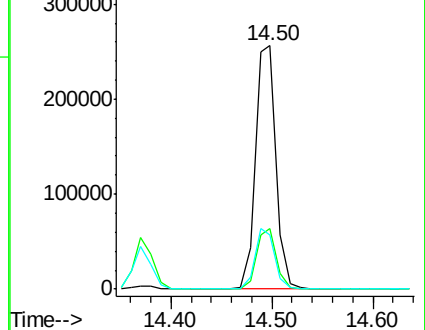
91 22.1 10.7 32.1

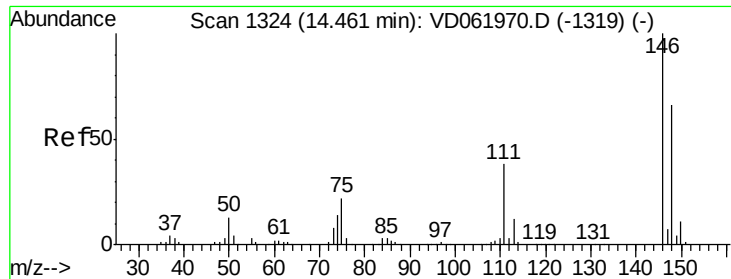


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

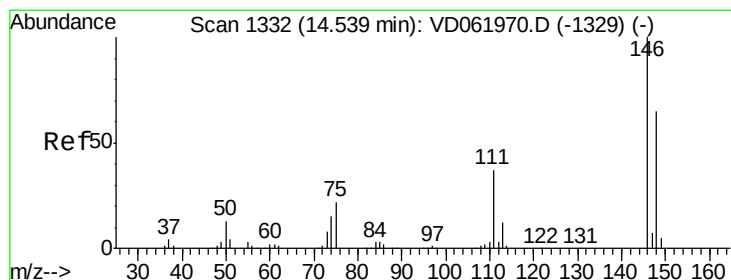
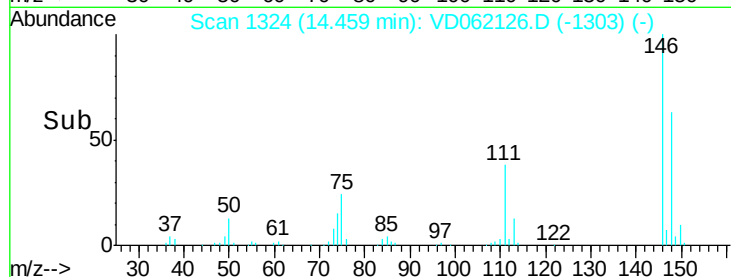
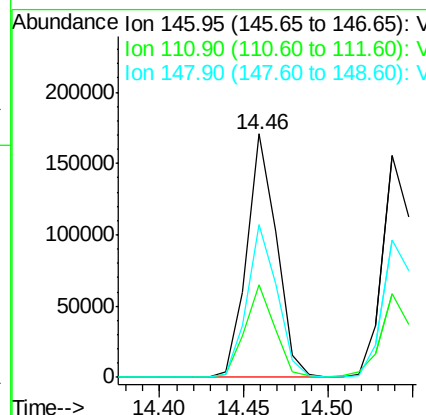
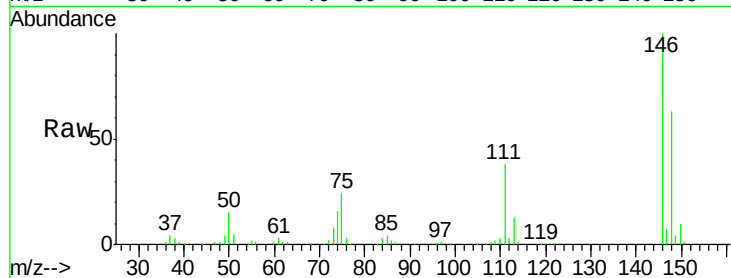




#87
 1,3-Dichlorobenzene
 Concen: 19.322 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062126.D
 Acq: 6 May 2019 13:02

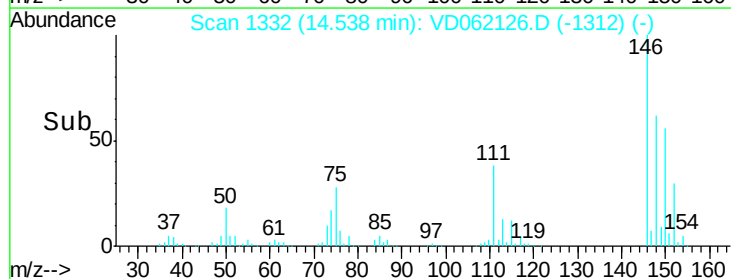
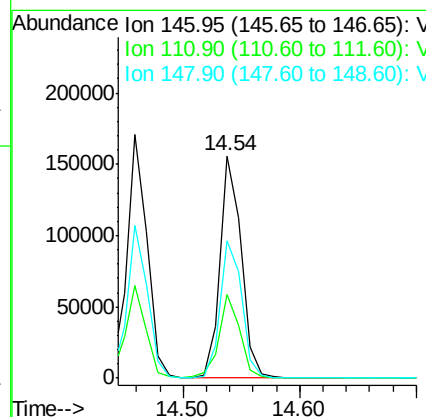
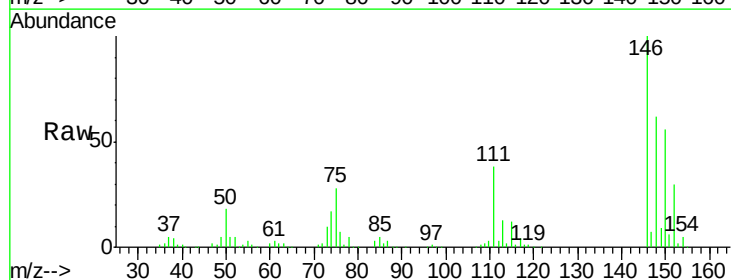
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

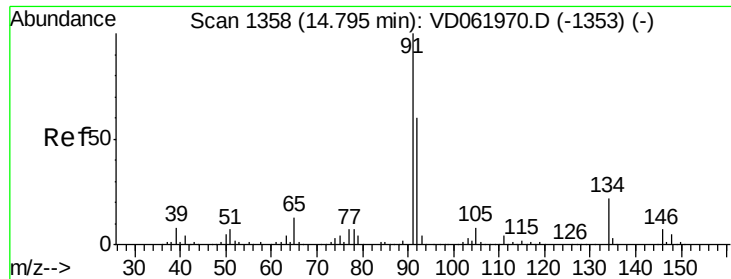
Tot Ion:146 Resp: 210843
 Ion Ratio Lower Upper
 146 100
 111 37.8 20.0 60.0
 148 62.8 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.318 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062126.D
 Acq: 6 May 2019 13:02

Tgt Ion:146 Resp: 197130
 Ion Ratio Lower Upper
 146 100
 111 38.0 20.2 60.5
 148 62.0 32.0 96.2





#89

n-Butylbenzene

Concen: 17.836 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD062126.D

Acq: 6 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

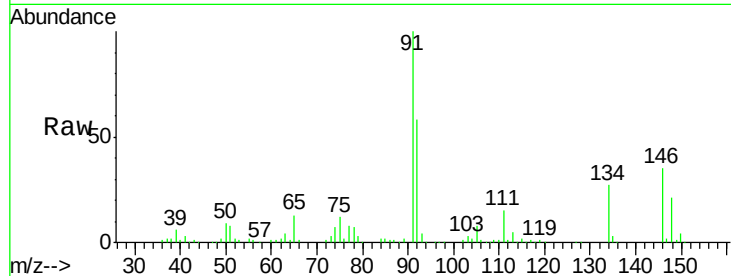
Tot Ion: 91 Resp: 310678

Ion Ratio Lower Upper

91 100

92 58.3 30.3 91.0

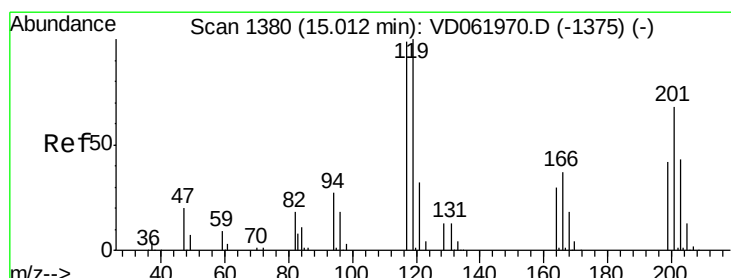
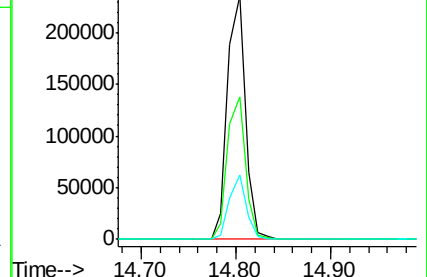
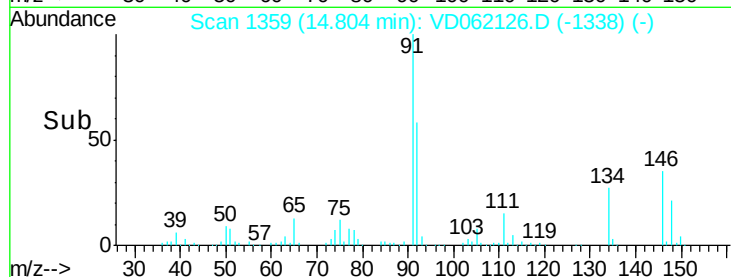
134 26.6 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 18.358 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062126.D

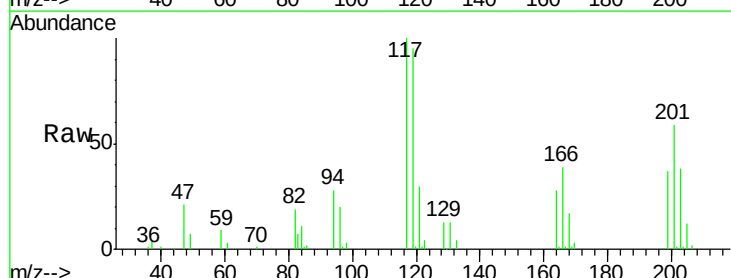
Acq: 6 May 2019 13:02

Tgt Ion: 117 Resp: 96312

Ion Ratio Lower Upper

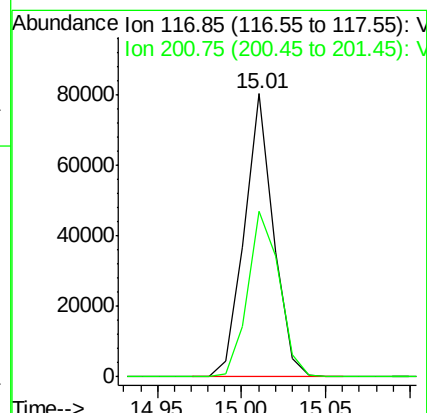
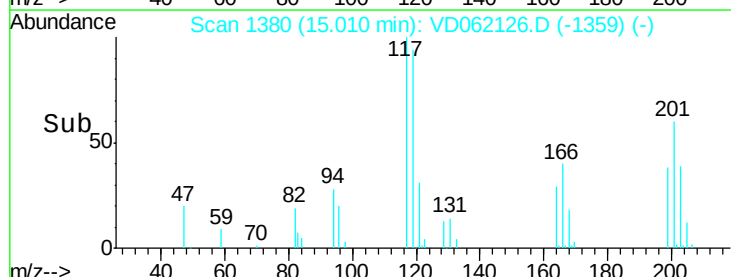
117 100

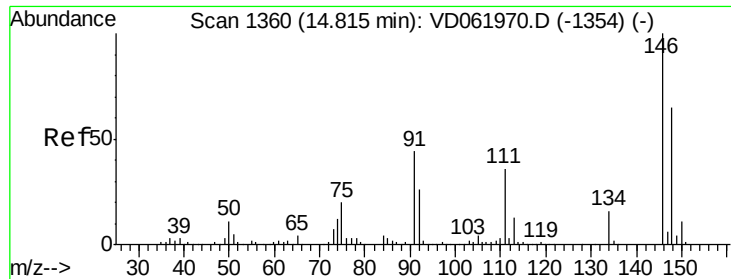
201 58.5 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

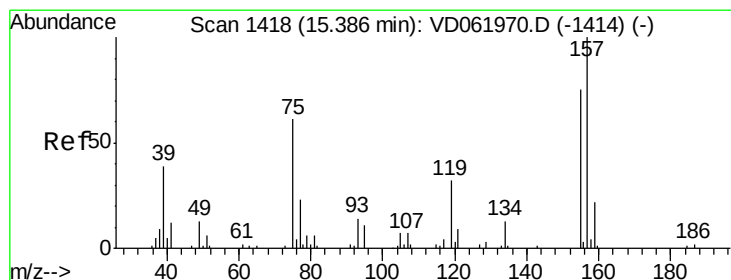
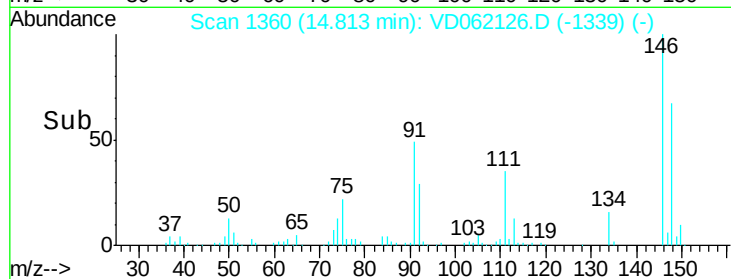
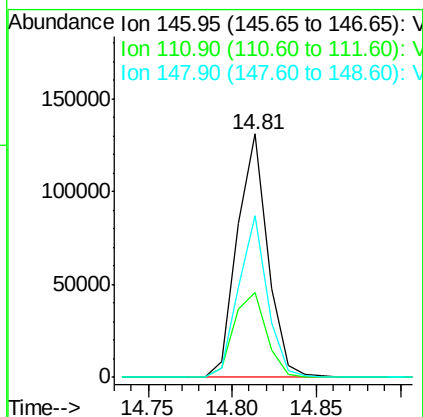
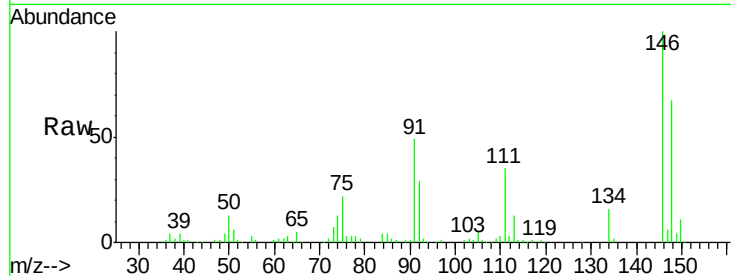




#91
 1,2-Dichlorobenzene
 Concen: 18.266 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062126.D
 Acq: 6 May 2019 13:02

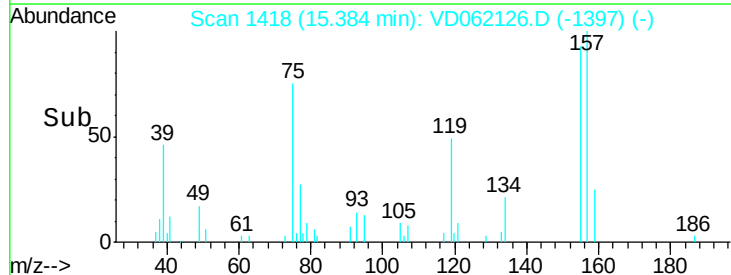
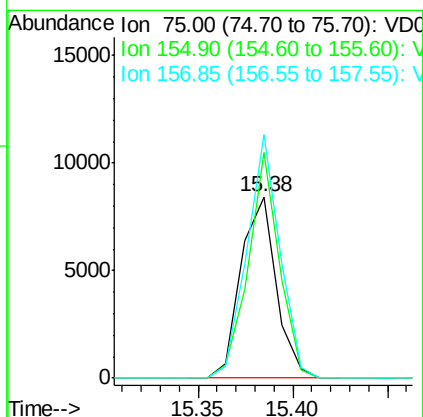
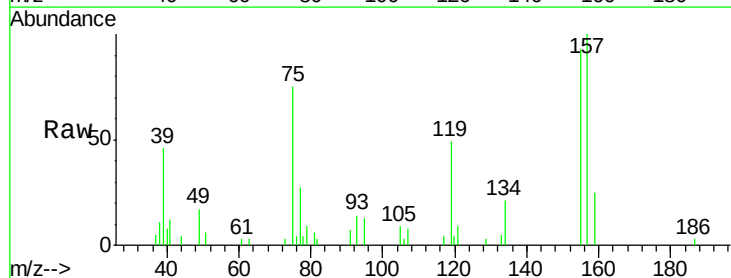
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

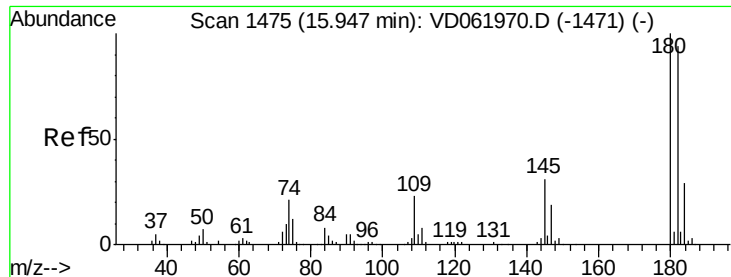
Tot Ion:146 Resp: 164410
 Ion Ratio Lower Upper
 146 100
 111 35.1 20.0 59.9
 148 66.5 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.974 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD062126.D
 Acq: 6 May 2019 13:02

Tgt Ion: 75 Resp: 10846
 Ion Ratio Lower Upper
 75 100
 155 124.5 55.3 165.8
 157 134.2 67.8 203.2

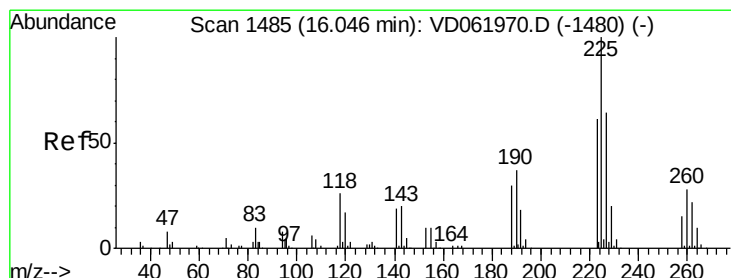
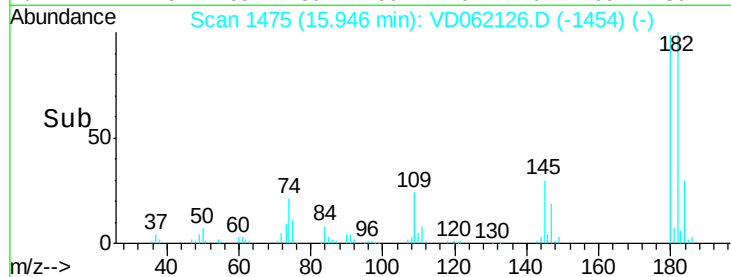
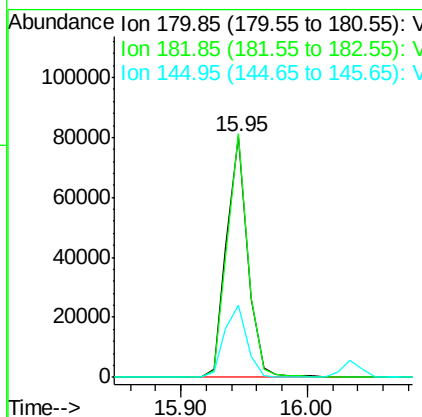
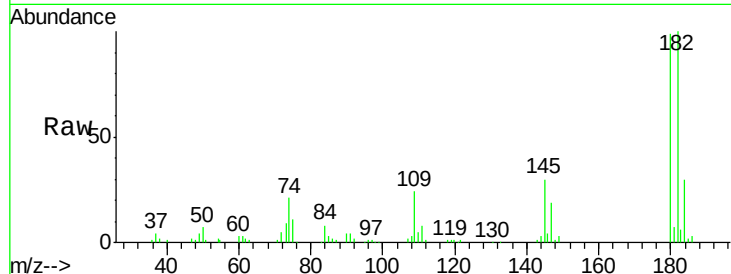




#93
 1,2,4-Trichlorobenzene
 Concen: 19.259 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062126.D
 Acq: 6 May 2019 13:02

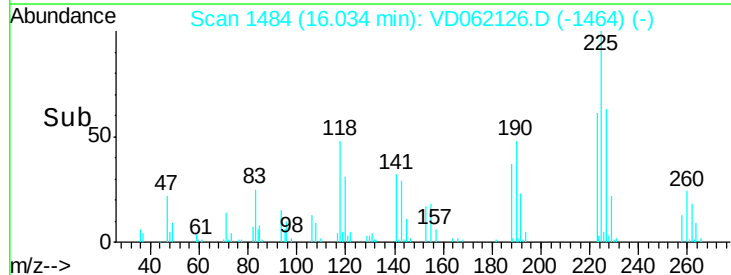
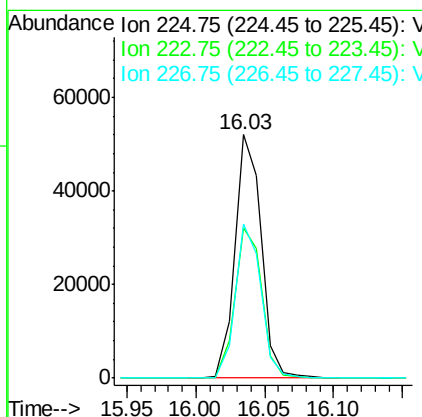
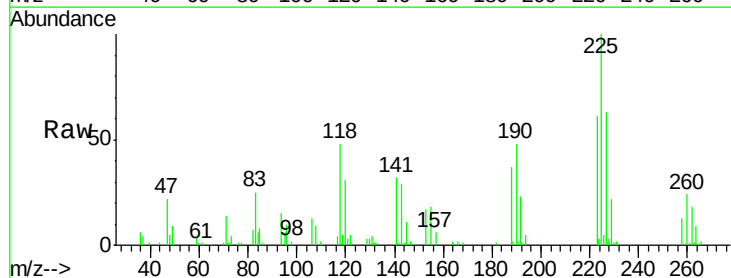
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

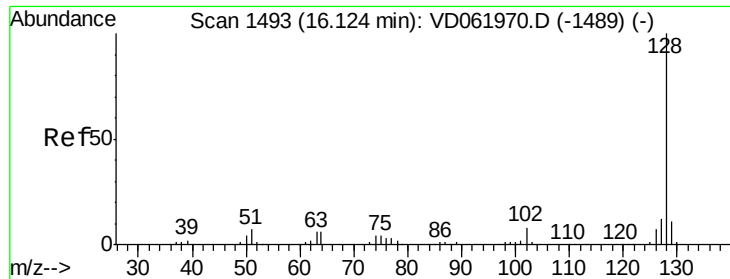
Tot Ion:180 Resp: 93531
 Ion Ratio Lower Upper
 180 100
 182 101.1 49.3 147.8
 145 29.8 16.2 48.6



#94
 Hexachlorobutadiene
 Concen: 19.259 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD062126.D
 Acq: 6 May 2019 13:02

Tgt Ion:225 Resp: 69216
 Ion Ratio Lower Upper
 225 100
 223 61.5 30.6 92.0
 227 63.4 32.0 96.2





#95

Naphthalene

Concen: 18.675 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD062126.D

Acq: 6 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

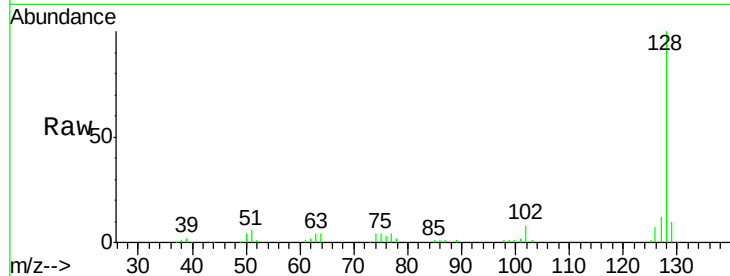
Tot Ion:128 Resp: 146439

Ion Ratio Lower Upper

128 100

127 12.0 9.8 14.8

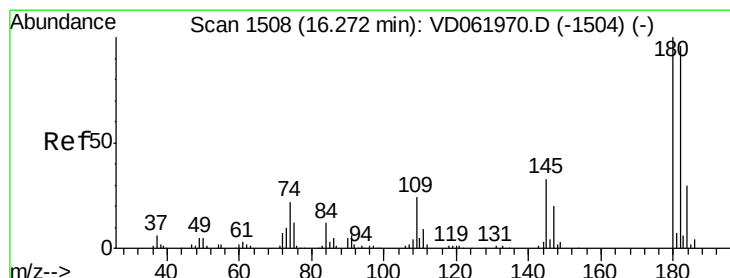
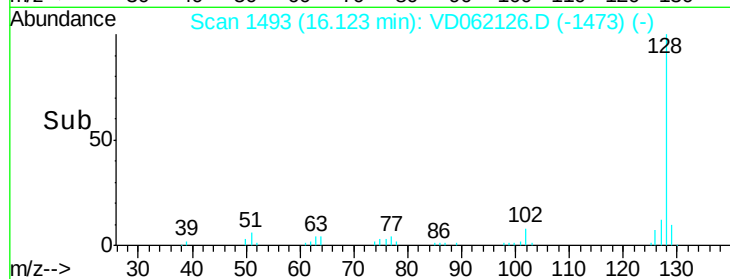
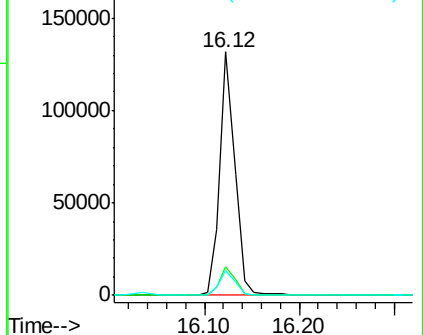
129 9.9 8.8 13.2



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: 21.259 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD062126.D

Acq: 6 May 2019 13:02

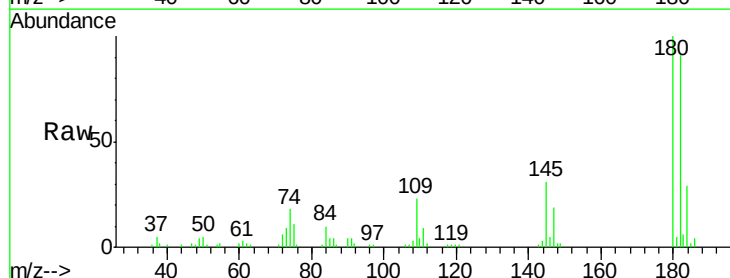
Tgt Ion:180 Resp: 58581

Ion Ratio Lower Upper

180 100

182 91.3 47.0 141.0

145 31.3 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

