

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122118\
 Data File : VD060680.D
 Acq On : 21 Dec 2018 13:30
 Operator : VA/AP
 Sample : J6481-03RE
 Misc : 5.09g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PROP-SW-1RE

Quant Time: Dec 21 14:55:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 03:34:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.44	168	1052979	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.47	114	1397597	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.30	117	1058100	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.39	152	422321	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.81	65	286744	39.41	ug/l	0.02
Spiked Amount 50.000			Recovery =	78.82%		
35) Dibromofluoromethane	6.35	113	394722	38.59	ug/l	0.02
Spiked Amount 50.000			Recovery =	77.18%		
50) Toluene-d8	9.49	98	951580	31.18	ug/l	0.03
Spiked Amount 50.000			Recovery =	62.36%		
62) 4-Bromofluorobenzene	12.44	95	305144	28.55	ug/l	0.02
Spiked Amount 50.000			Recovery =	57.10%		

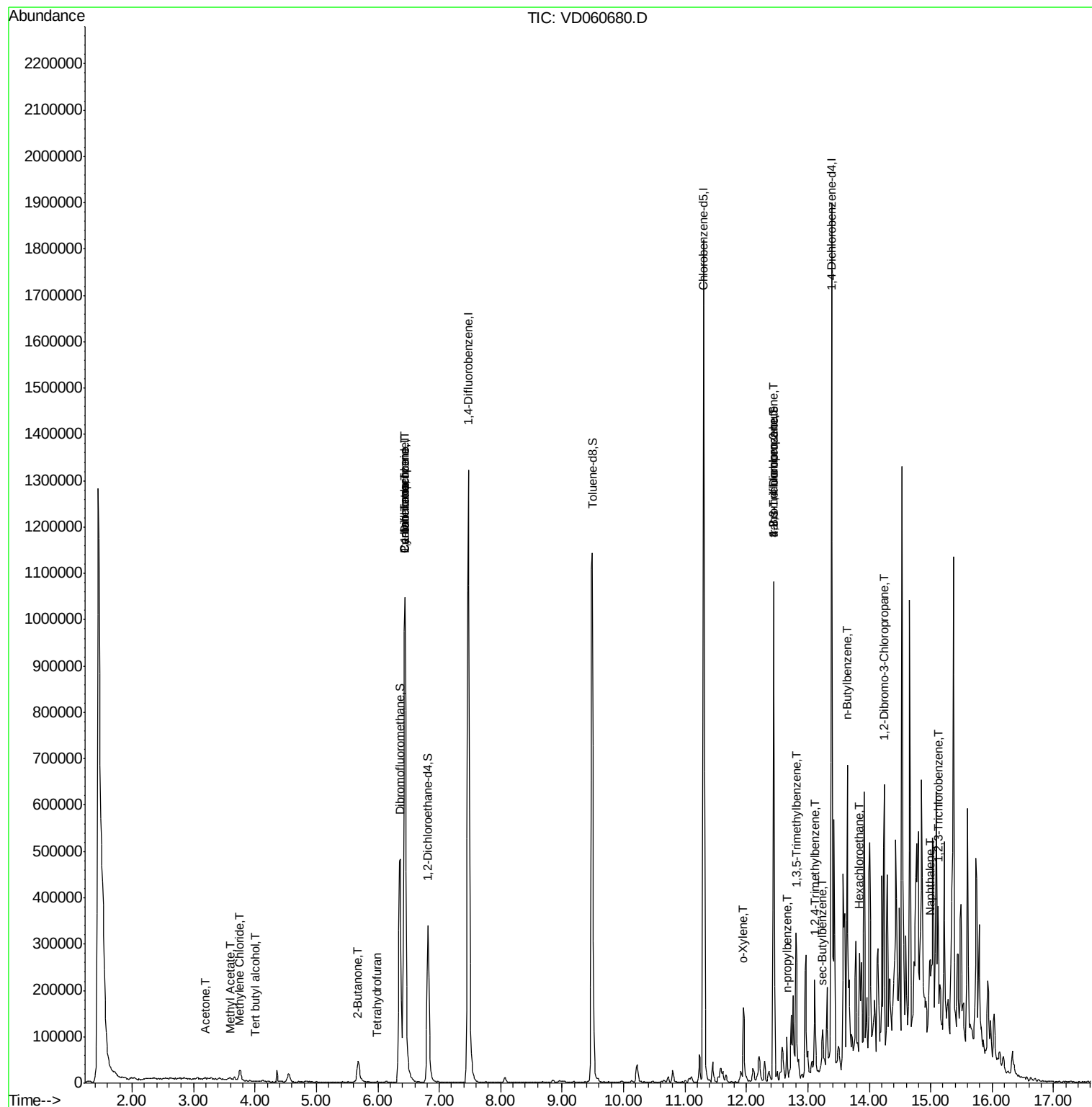
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.00	59	620	2.039	ug/l #	74
16) Acetone	3.19	43	7902	6.218	ug/l	94
18) Methyl Acetate	3.60	43	9150	2.905	ug/l #	63
20) Methylene Chloride	3.75	84	13774	1.044	ug/l	92
25) 2-Butanone	5.66	43	5181	2.131	ug/l #	61
29) Tetrahydrofuran	5.99	42	1508	1.094	ug/l #	54
31) Cyclohexane	6.44	56	23467	1.277	ug/l #	1
36) 1,1-Dichloropropene	6.44	75	75122	5.220	ug/l #	45
38) Carbon Tetrachloride	6.44	117	80380	6.331	ug/l #	16
69) o-Xylene	11.95	106	37634	2.711	ug/l	88
76) 1,2,3-Trichloropropane	12.44	75	122513	25.481	ug/l #	44
78) n-propylbenzene	12.66	91	67007	1.743	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	128913	5.552	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.44	75	122483	92.191	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.11	105	85215	3.563	ug/l	97
85) sec-Butylbenzene	13.24	105	38156	1.184	ug/l	99
89) n-Butylbenzene	13.64	91	84813	3.191	ug/l #	1
90) Hexachloroethane	13.84	117	16737	2.619	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.23	75	1685	2.943	ug/l #	2
95) Naphthalene	14.98	128	65352	5.911	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.13	180	7770	1.069	ug/l #	1

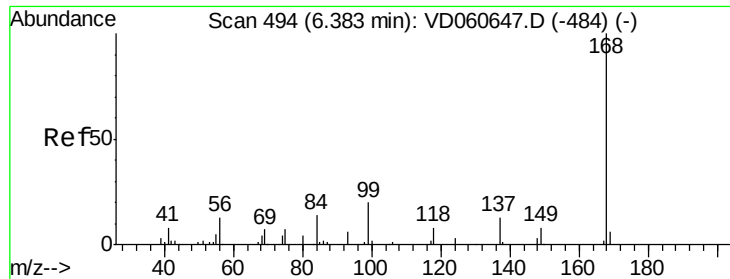
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 21 03:34:39 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.44 min Scan# 530

Delta R.T. 0.03 min

Lab File: VD060680.D

Acq: 21 Dec 2018 13:30

Instrument :

MSVOA_D

ClientSampleId :

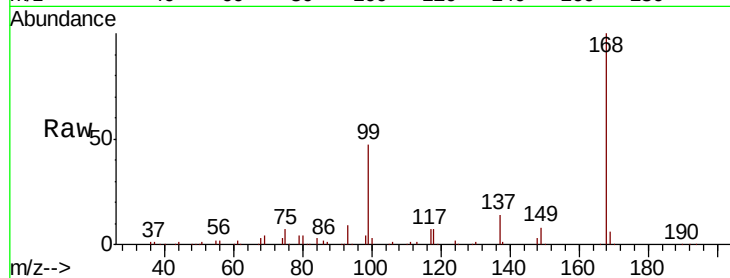
PROP-SW-1RE

Tot Ion:168 Resp: 1052979

Ion Ratio Lower Upper

168 100

99 46.8 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.44

400000

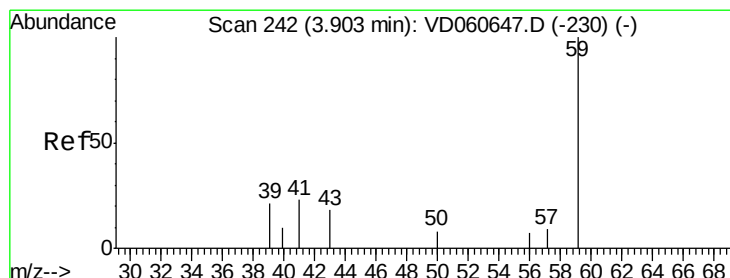
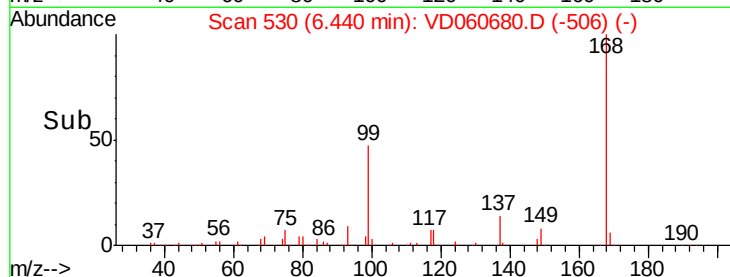
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.039 ug/l

RT: 4.00 min Scan# 282

Delta R.T. 0.02 min

Lab File: VD060680.D

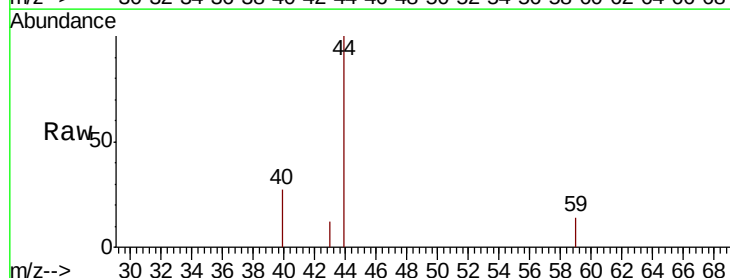
Acq: 21 Dec 2018 13:30

Tgt Ion: 59 Resp: 620

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.00

500

400

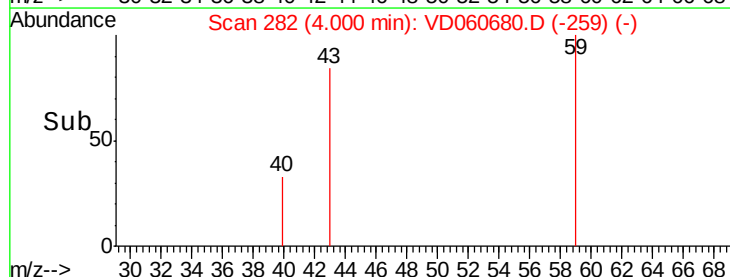
300

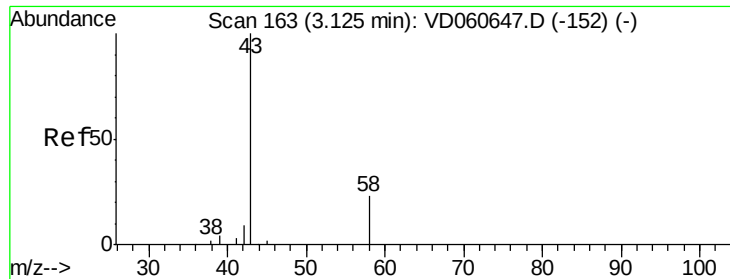
200

100

0

Time-->





#16

Acetone

Concen: 6.218 ug/l

RT: 3.19 min Scan# 200

Delta R.T. 0.02 min

Lab File: VD060680.D

Acq: 21 Dec 2018 13:30

Instrument :

MSVOA_D

ClientSampleId :

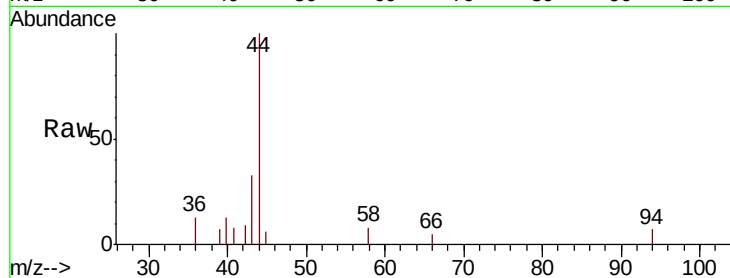
PROP-SW-1RE

Tot Ion: 43 Resp: 7902

Ion Ratio Lower Upper

43 100

58 25.4 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.19

2000

1500

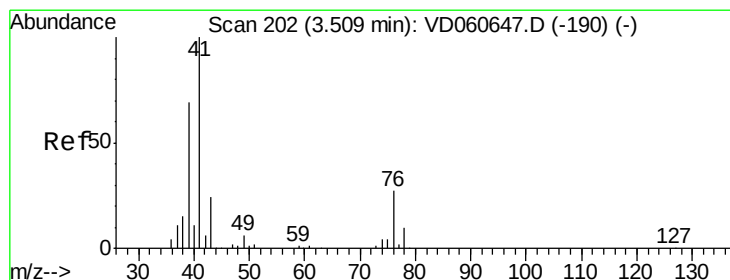
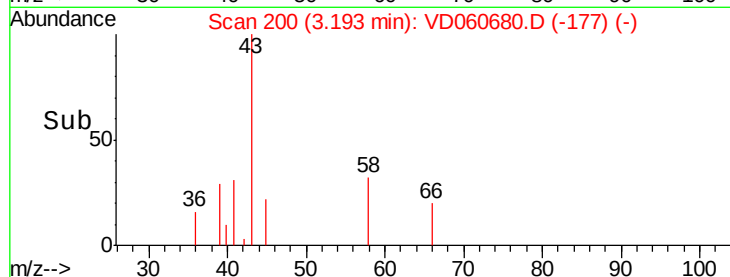
1000

500

0

Time-->

3.10 3.15 3.20 3.25 3.30



#18

Methyl Acetate

Concen: 2.905 ug/l

RT: 3.60 min Scan# 241

Delta R.T. 0.03 min

Lab File: VD060680.D

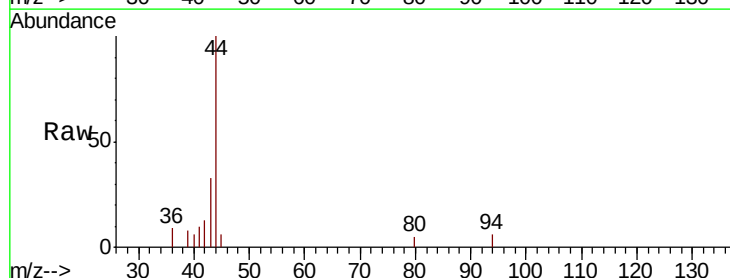
Acq: 21 Dec 2018 13:30

Tgt Ion: 43 Resp: 9150

Ion Ratio Lower Upper

43 100

74 0.0 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.60

2000

1500

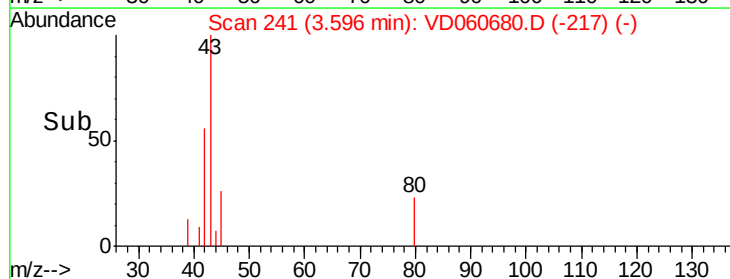
1000

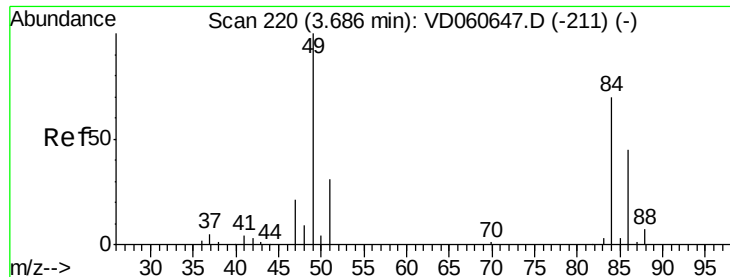
500

0

Time-->

3.50 3.60 3.70

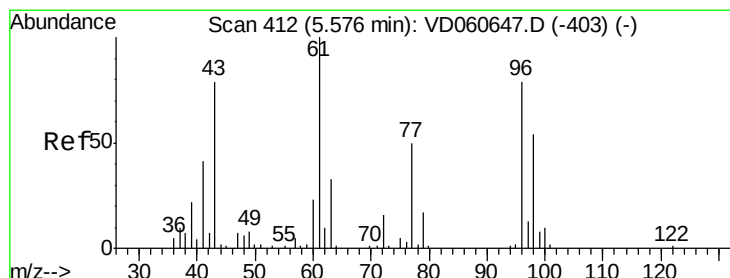
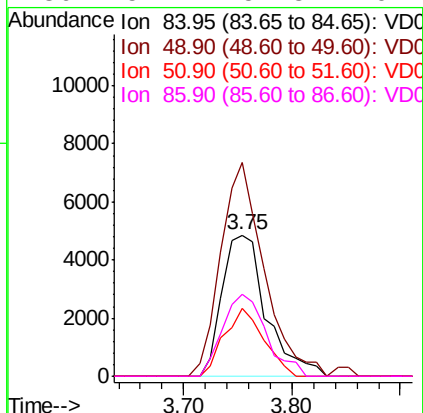
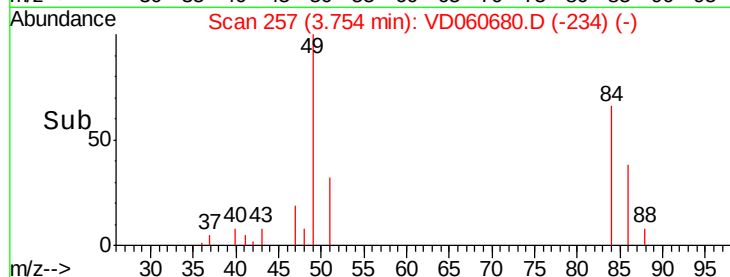
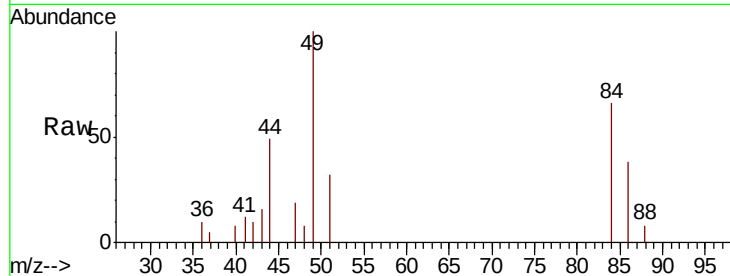




#20
Methvlene Chloride
Concen: 1.044 ug/l
RT: 3.75 min Scan# 257
Delta R.T. 0.02 min
Lab File: VD060680.D
Acq: 21 Dec 2018 13:30

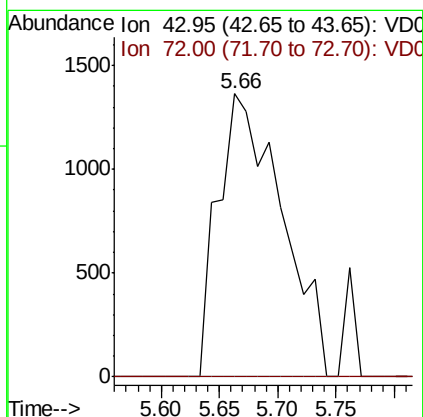
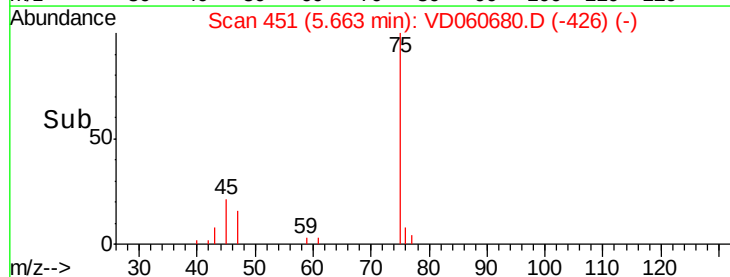
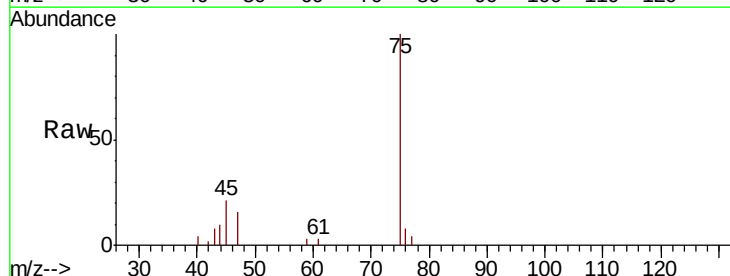
Instrument :
MSVOA_D
ClientSampleId :
PROP-SW-1RE

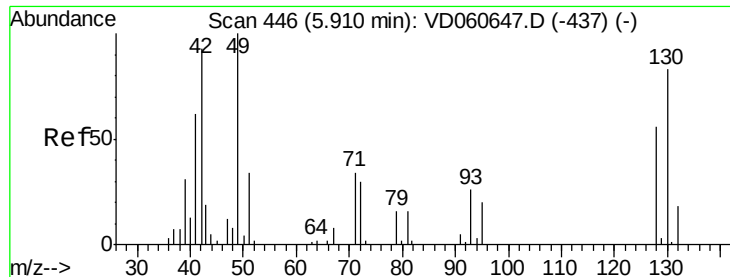
Tot Ion: 84 Resp: 13774
Ion Ratio Lower Upper
84 100
49 151.4 113.6 170.4
51 48.2 34.7 52.1
86 57.7 52.8 79.2



#25
2-Butanone
Concen: 2.131 ug/l
RT: 5.66 min Scan# 451
Delta R.T. 0.04 min
Lab File: VD060680.D
Acq: 21 Dec 2018 13:30

Tgt Ion: 43 Resp: 5181
Ion Ratio Lower Upper
43 100
72 0.0 13.7 20.5#





#29

Tetrahydrofuran

Concen: 1.094 ug/l

RT: 5.99 min Scan# 484

Delta R.T. 0.03 min

Lab File: VD060680.D

Acq: 21 Dec 2018 13:30

Instrument :

MSVOA_D

ClientSampleId :

PROP-SW-1RE

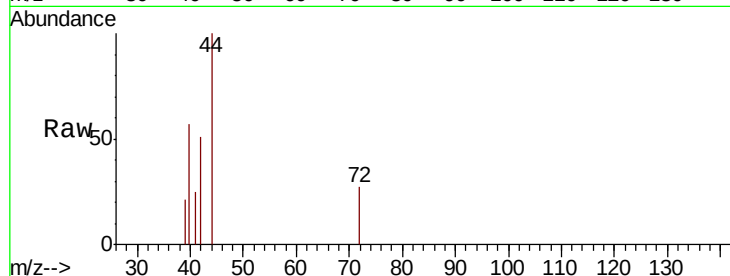
Tot Ion: 42 Resp: 1508

Ion Ratio Lower Upper

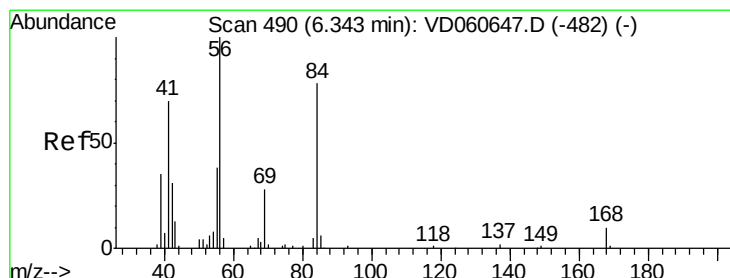
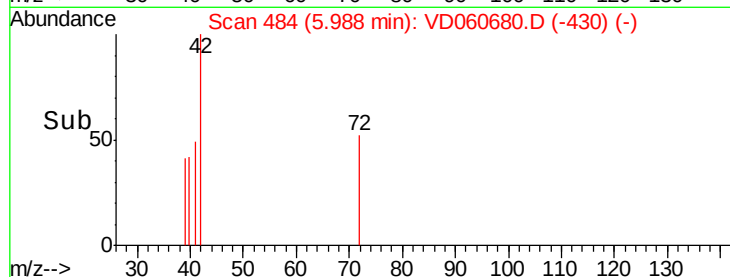
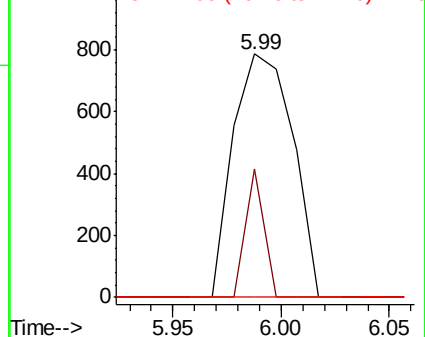
42 100

72 16.2 28.0 42.0#

71 0.0 27.0 40.6#



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



#31

Cyclohexane

Concen: 1.277 ug/l

RT: 6.44 min Scan# 530

Delta R.T. 0.07 min

Lab File: VD060680.D

Acq: 21 Dec 2018 13:30

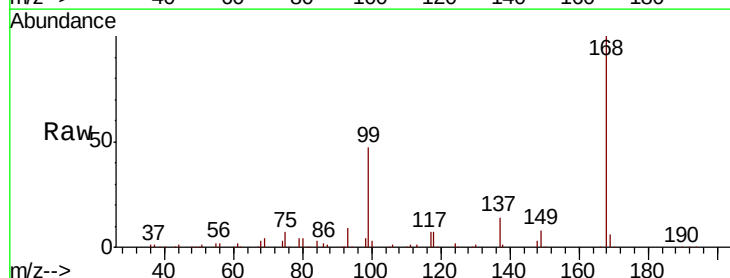
Tgt Ion: 56 Resp: 23467

Ion Ratio Lower Upper

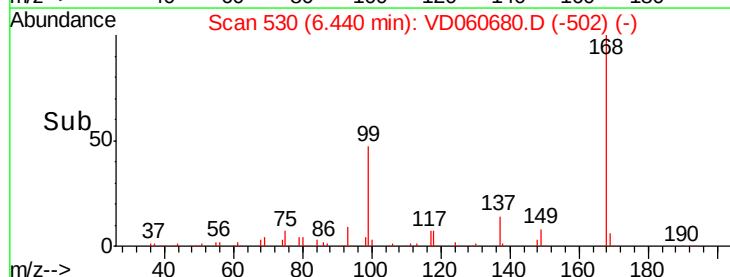
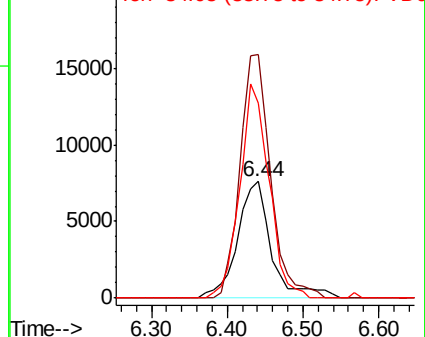
56 100

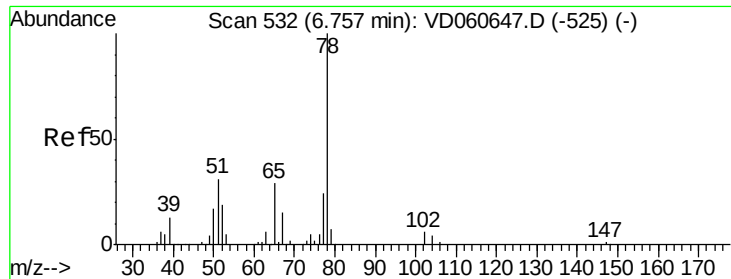
69 209.1 23.6 35.4#

84 167.4 65.8 98.6#



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

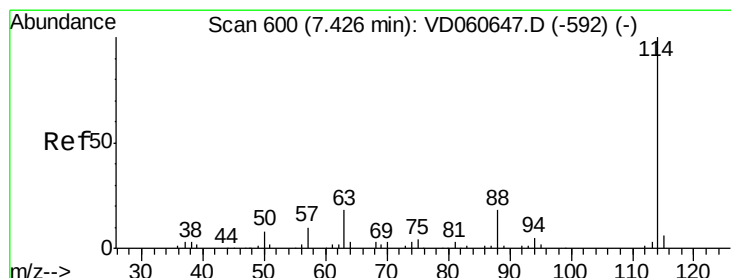
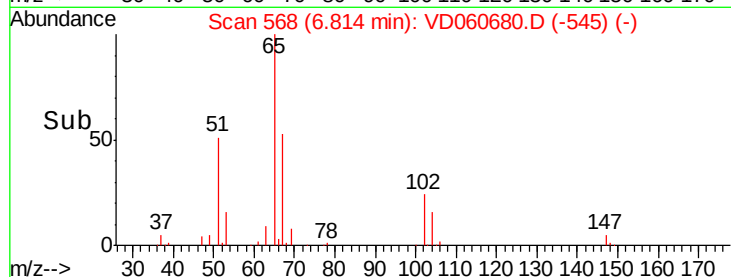
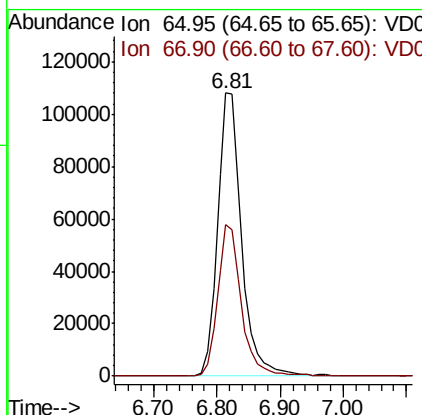
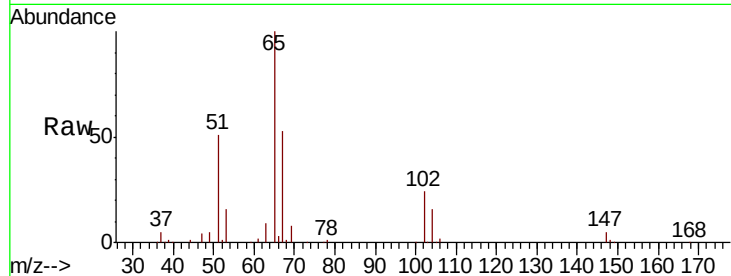




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.81 min Scan# 568
 Delta R.T. 0.02 min
 Lab File: VD060680.D
 Acq: 21 Dec 2018 13:30

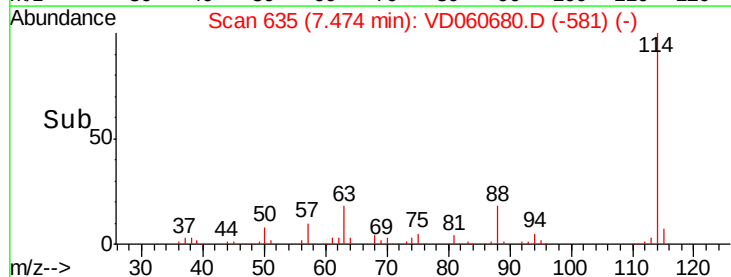
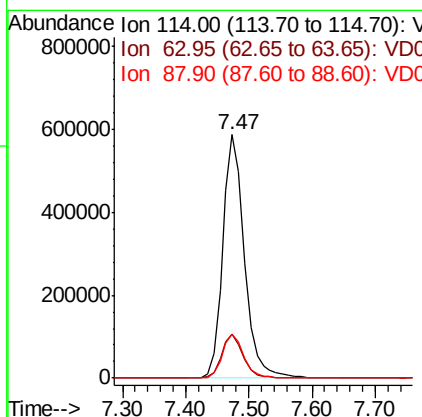
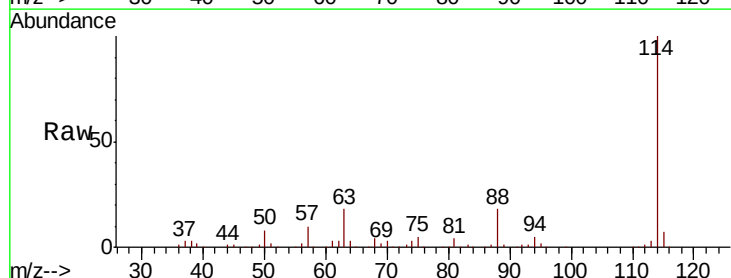
Instrument :
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 ClientSampleId :
 PROP-SW-1RE

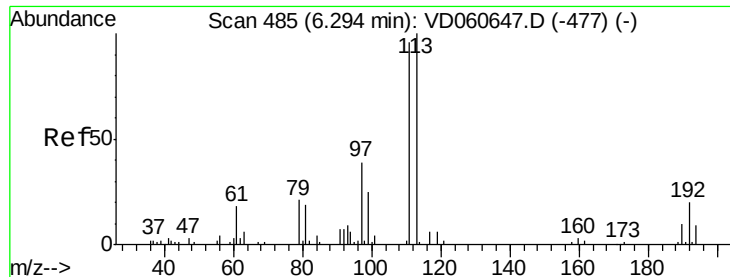
Tot Ion: 65 Resp: 286744
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.47 min Scan# 635
 Delta R.T. 0.03 min
 Lab File: VD060680.D
 Acq: 21 Dec 2018 13:30

Tgt Ion: 114 Resp: 1397597
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 36.2
 88 18.0 0.0 37.0

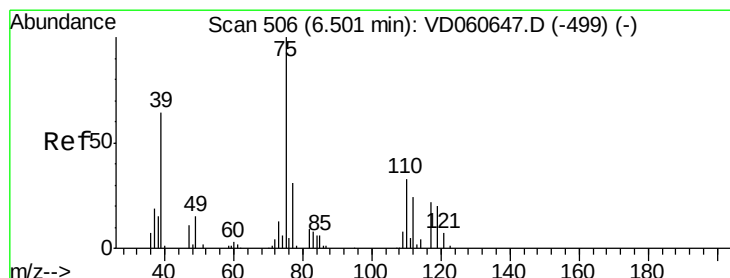
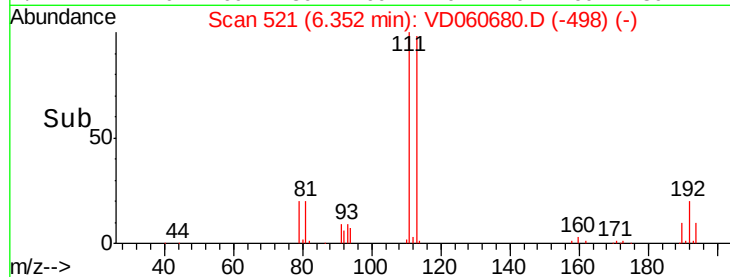
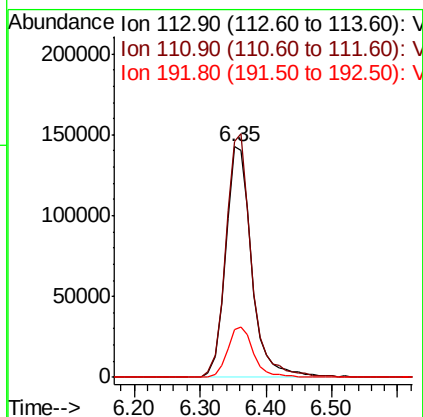
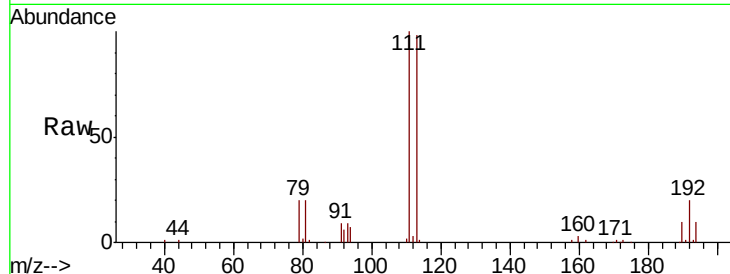




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.35 min Scan# 521
 Delta R.T. 0.02 min
 Lab File: VD060680.D
 Acq: 21 Dec 2018 13:30

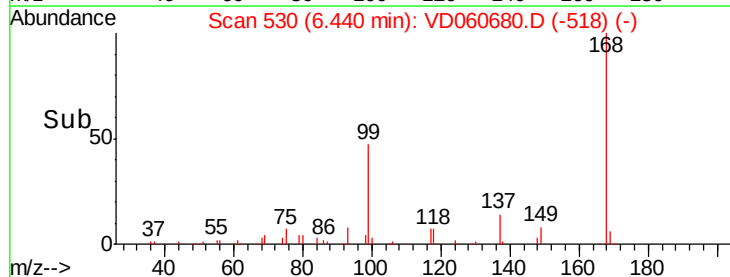
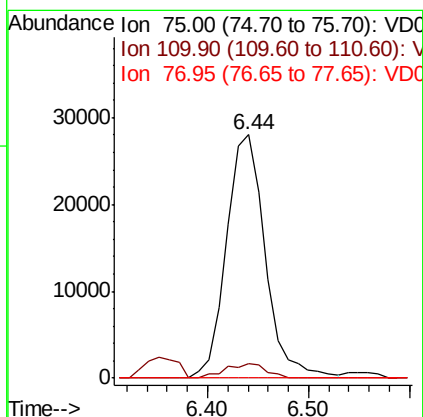
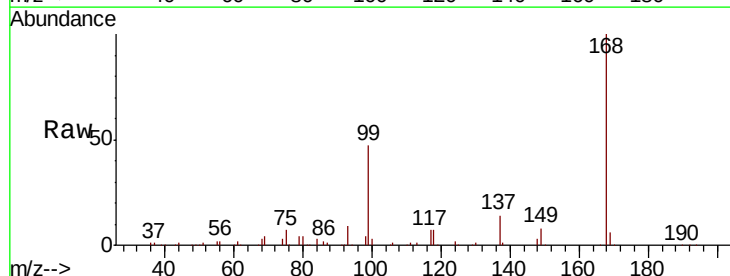
Instrument :
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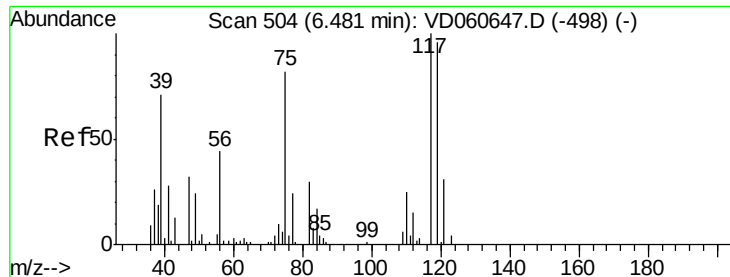
Tot Ion:113 Resp: 394722
 Ion Ratio Lower Upper
 113 100
 111 102.5 80.0 120.0
 192 20.8 16.6 25.0



#36
 1,1-Dichloropropene
 Concen: 5.220 ug/l
 RT: 6.44 min Scan# 530
 Delta R.T. -0.09 min
 Lab File: VD060680.D
 Acq: 21 Dec 2018 13:30

Tgt Ion: 75 Resp: 75122
 Ion Ratio Lower Upper
 75 100
 110 6.0 18.9 56.7#
 77 0.0 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.331 ug/l

RT: 6.44 min Scan# 530

Delta R.T. -0.06 min

Lab File: VD060680.D

Acq: 21 Dec 2018 13:30

Instrument :

MSVOA_D

ClientSampleId :

PROP-SW-1RE

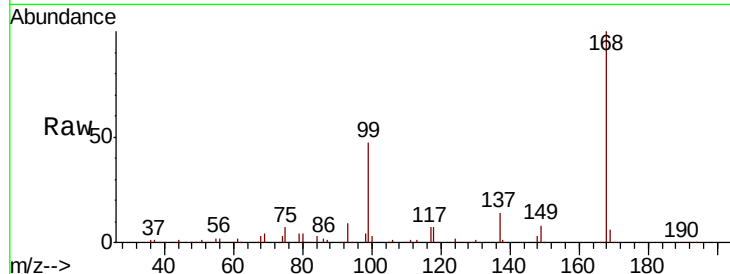
Tot Ion:117 Resp: 80380

Ion Ratio Lower Upper

117 100

119 4.8 77.0 115.4#

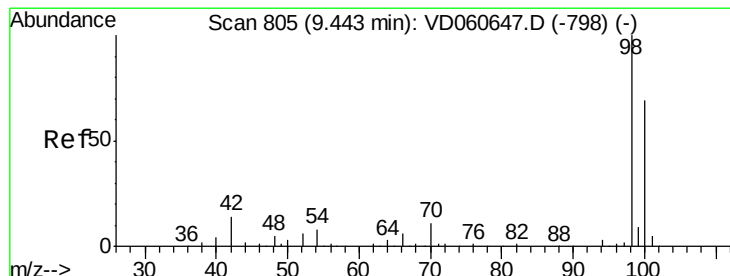
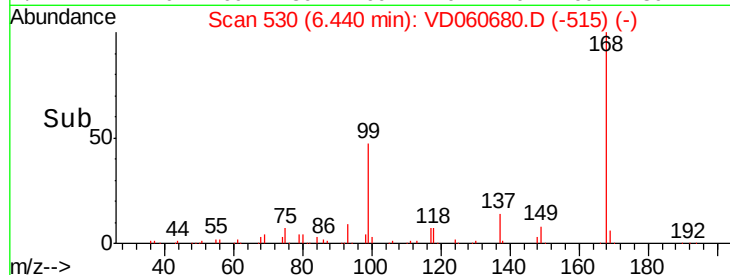
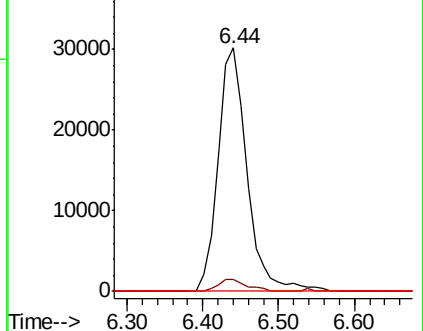
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.49 min Scan# 840

Delta R.T. 0.03 min

Lab File: VD060680.D

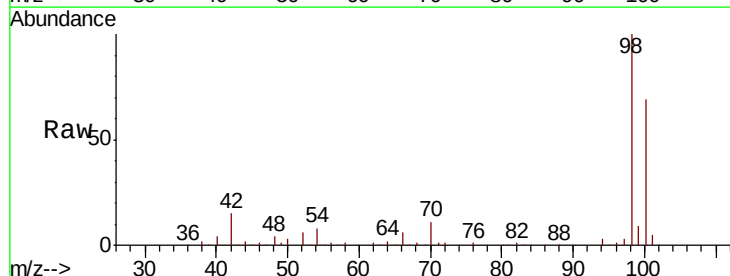
Acq: 21 Dec 2018 13:30

Tgt Ion: 98 Resp: 951580

Ion Ratio Lower Upper

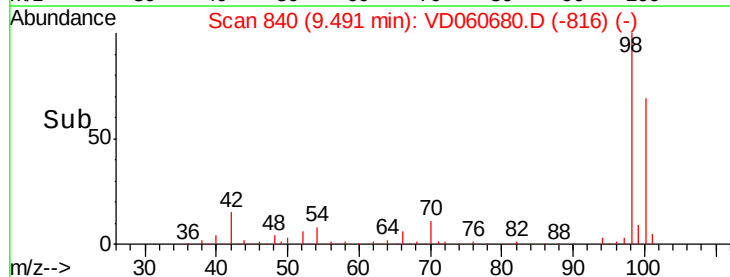
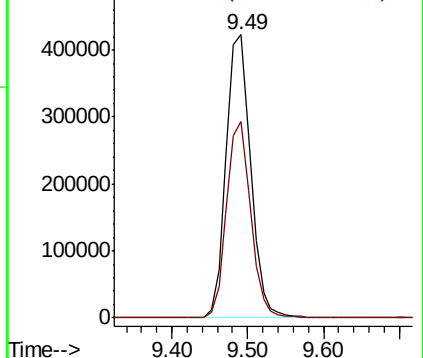
98 100

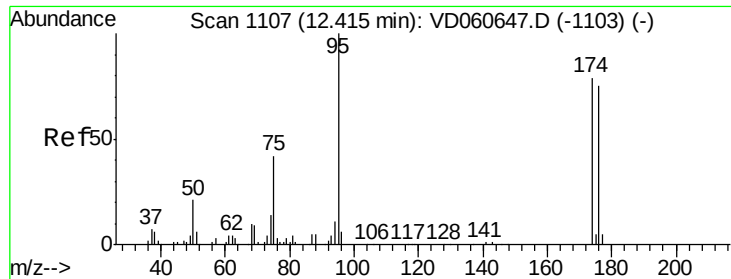
100 69.5 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.44 min Scan# 1140

Delta R.T. 0.02 min

Lab File: VD060680.D

Acq: 21 Dec 2018 13:30

Instrument :

MSVOA_D

ClientSampleId :

PROP-SW-1RE

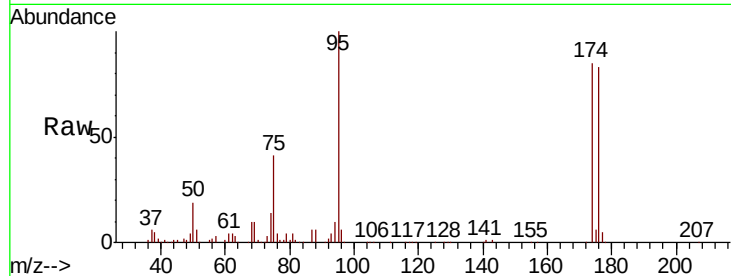
Tot Ion: 95 Resp: 305144

Ion Ratio Lower Upper

95 100

174 85.5 0.0 158.2

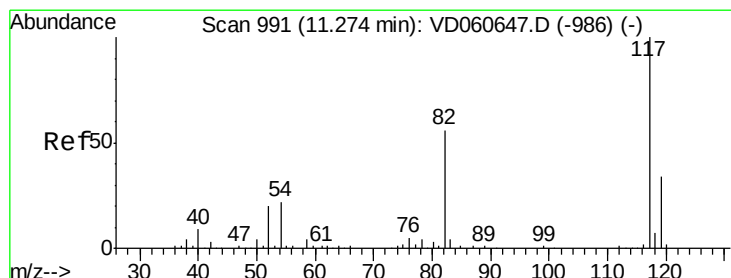
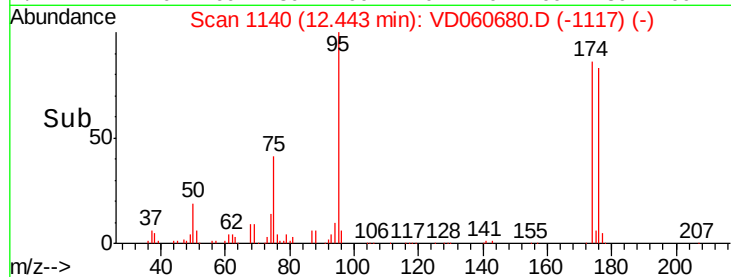
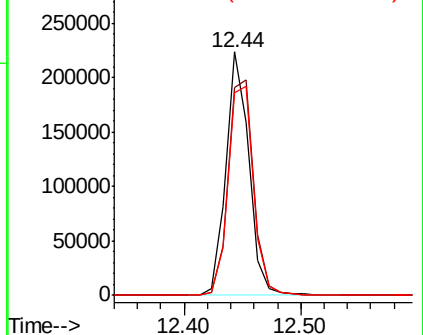
176 83.3 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.30 min Scan# 1024

Delta R.T. 0.02 min

Lab File: VD060680.D

Acq: 21 Dec 2018 13:30

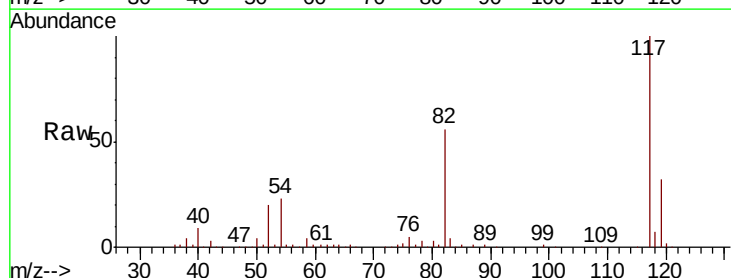
Tgt Ion: 117 Resp: 1058100

Ion Ratio Lower Upper

117 100

82 56.2 44.5 66.7

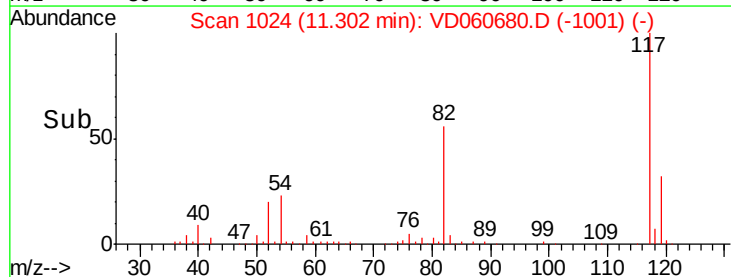
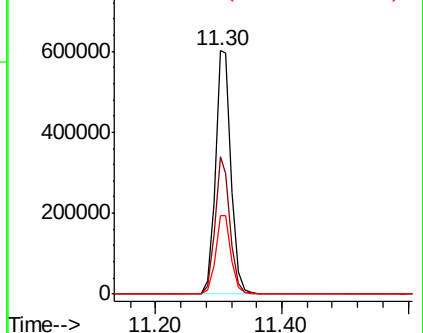
119 32.3 26.3 39.5

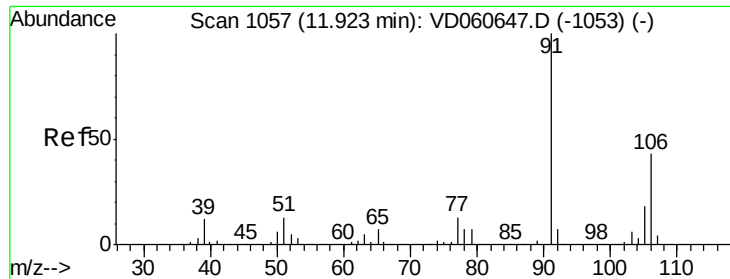


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

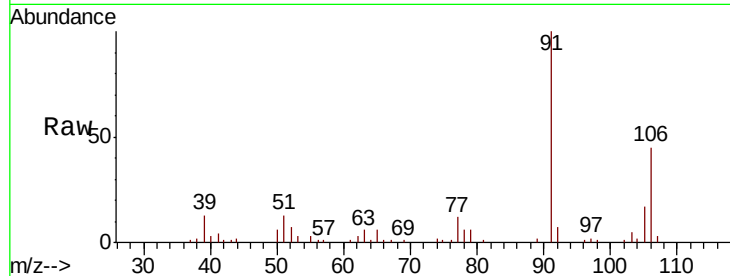




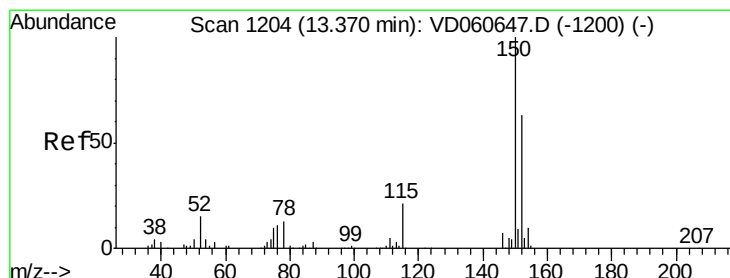
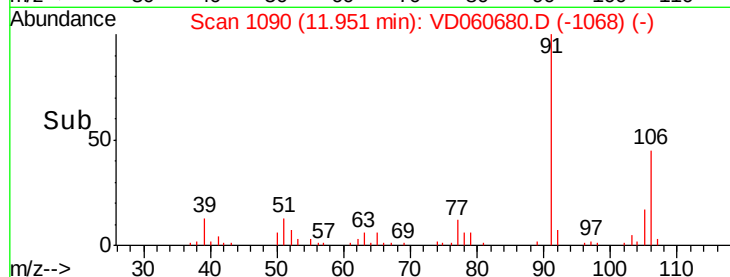
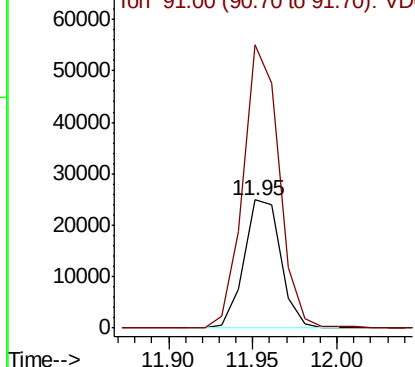
#69
o-Xylene
Concen: 2.711 ug/l
RT: 11.95 min Scan# 1090
Delta R.T. 0.01 min
Lab File: VD060680.D
Acq: 21 Dec 2018 13:30

Instrument :
MSVOA_D
ClientSampleId :
PROP-SW-1RE

Tot Ion:106 Resp: 37634
Ion Ratio Lower Upper
106 100
91 220.8 101.5 304.5

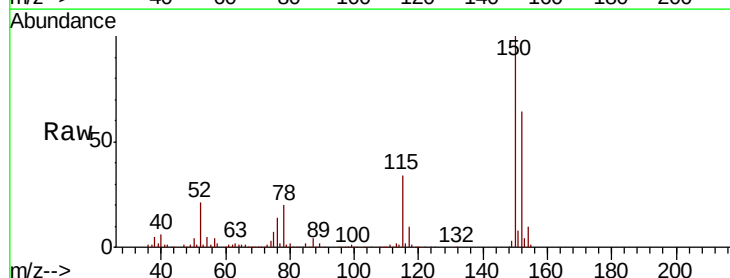


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

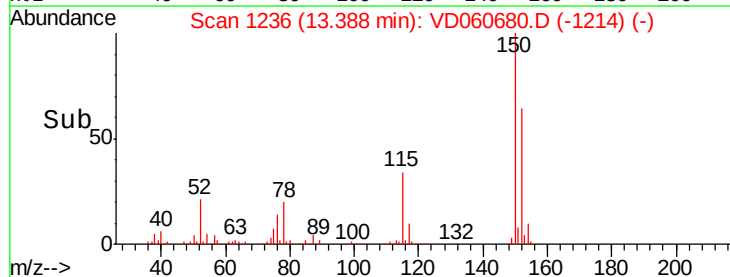
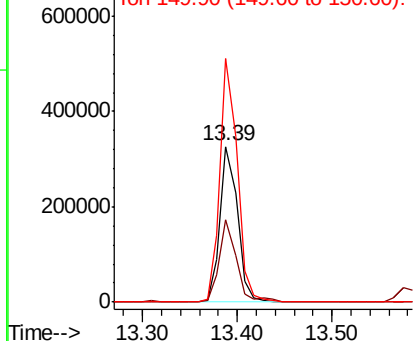


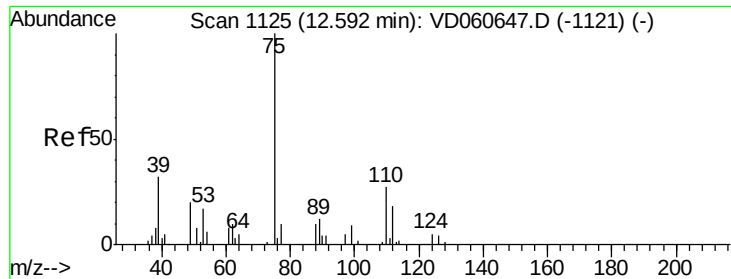
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.39 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VD060680.D
Acq: 21 Dec 2018 13:30

Tgt Ion:152 Resp: 422321
Ion Ratio Lower Upper
152 100
115 53.1 24.1 72.3
150 156.7 0.0 315.0



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





#76

1,2,3-Trichloropropane

Concen: 25.481 ug/l

RT: 12.44 min Scan# 1140

Delta R.T. -0.15 min

Lab File: VD060680.D

Acq: 21 Dec 2018 13:30

Instrument :

MSVOA_D

ClientSampleId :

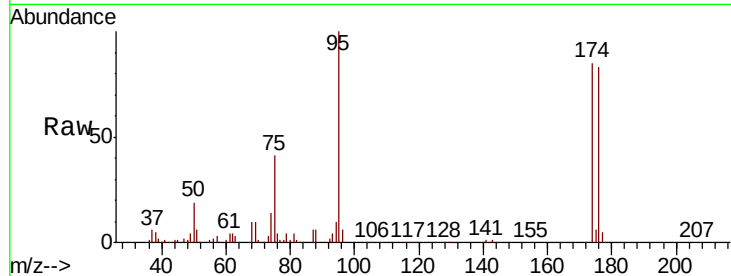
PROP-SW-1RE

Tot Ion: 75 Resp: 122513

Ion Ratio Lower Upper

75 100

77 1.6 16.7 50.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

12.44

100000

80000

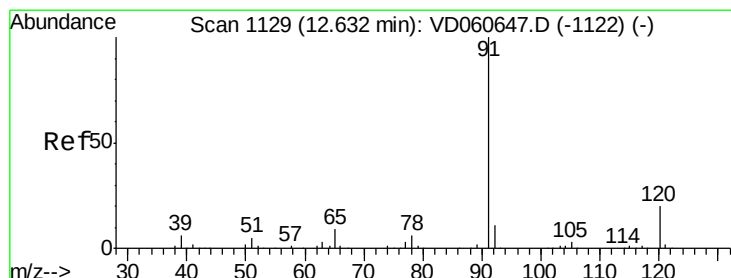
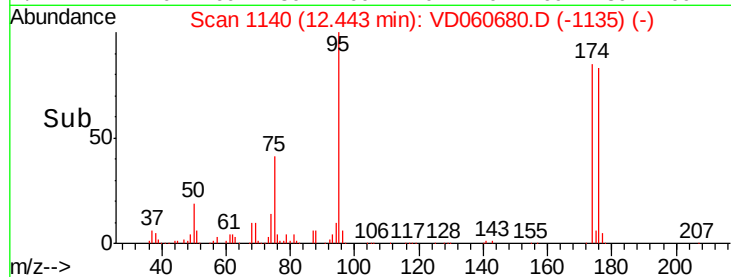
60000

40000

20000

0

Time-->



#78

n-propylbenzene

Concen: 1.743 ug/l

RT: 12.66 min Scan# 1162

Delta R.T. 0.02 min

Lab File: VD060680.D

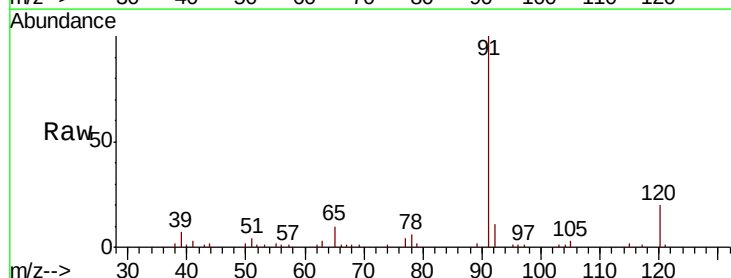
Acq: 21 Dec 2018 13:30

Tgt Ion: 91 Resp: 67007

Ion Ratio Lower Upper

91 100

120 19.6 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): VDC

12.66

50000

40000

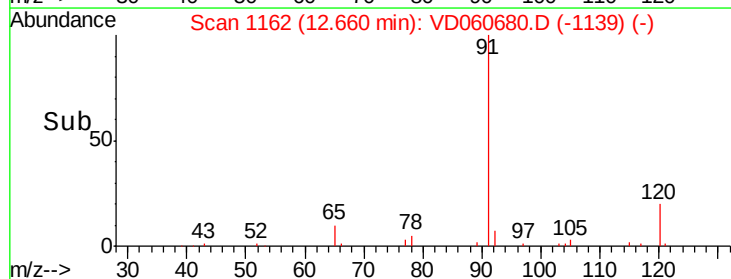
30000

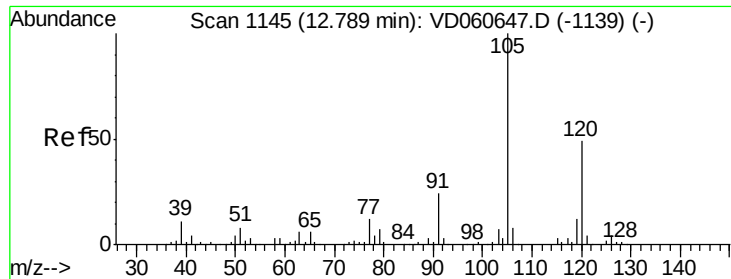
20000

10000

0

Time-->

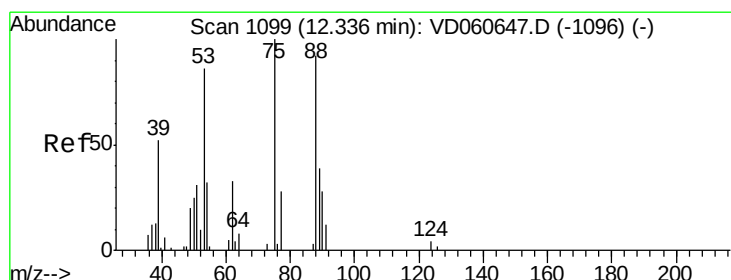
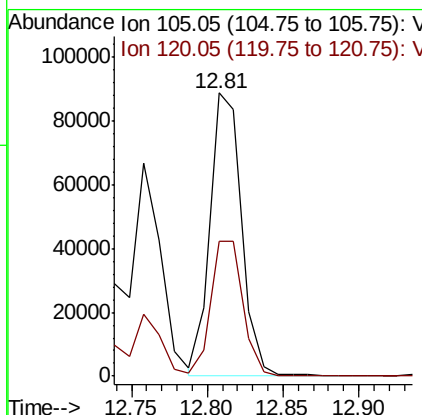
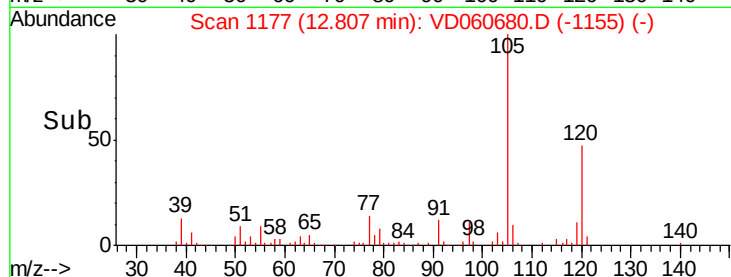
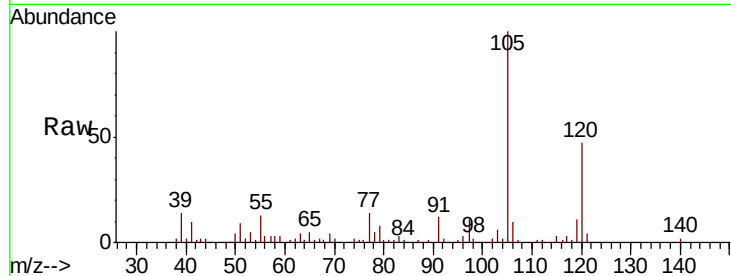




#80
 1,3,5-Trimethylbenzene
 Concen: 5.552 ug/l
 RT: 12.81 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VD060680.D
 Acq: 21 Dec 2018 13:30

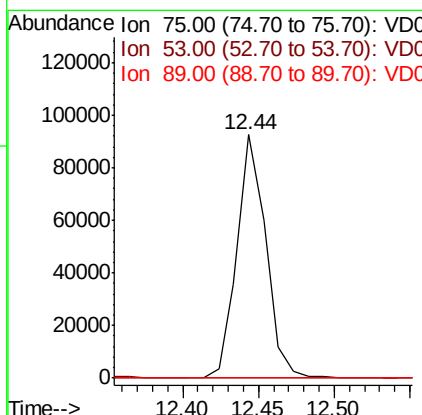
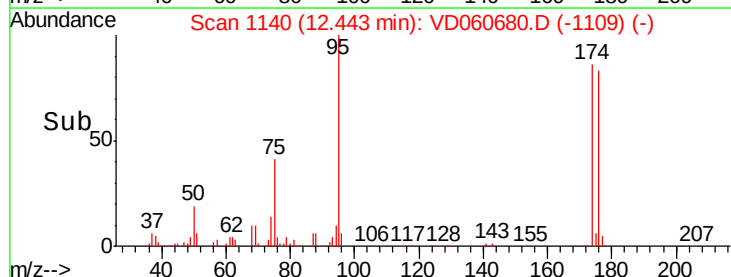
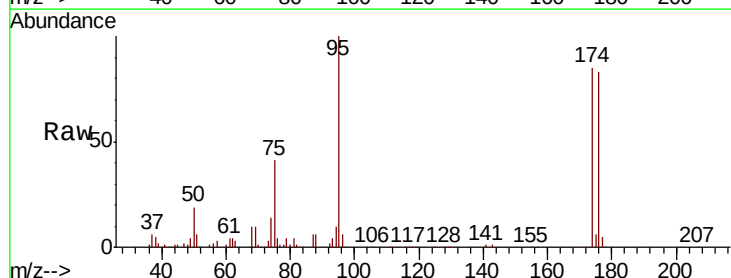
Instrument :
 MSVOA_D
 ClientSampleId :
 PROP-SW-1RE

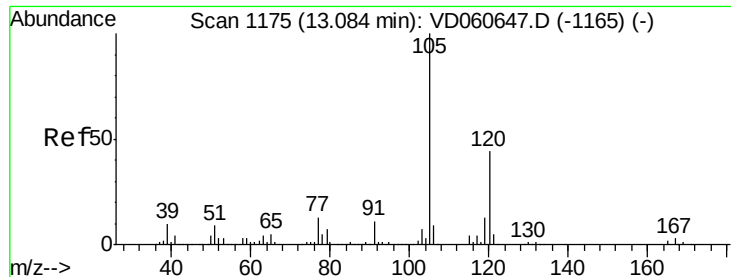
Tot Ion:105 Resp: 128913
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.8 74.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.191 ug/l
 RT: 12.44 min Scan# 1140
 Delta R.T. 0.10 min
 Lab File: VD060680.D
 Acq: 21 Dec 2018 13:30

Tgt Ion: 75 Resp: 122483
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.1 108.1#
 89 0.0 35.1 52.7#

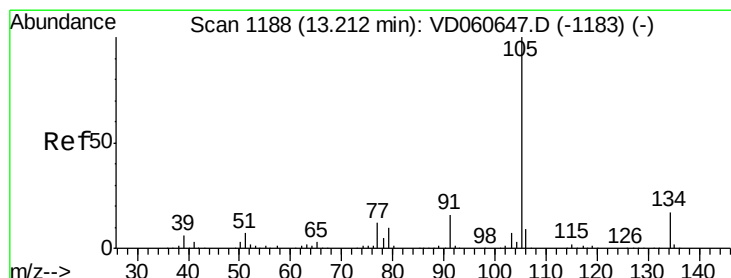
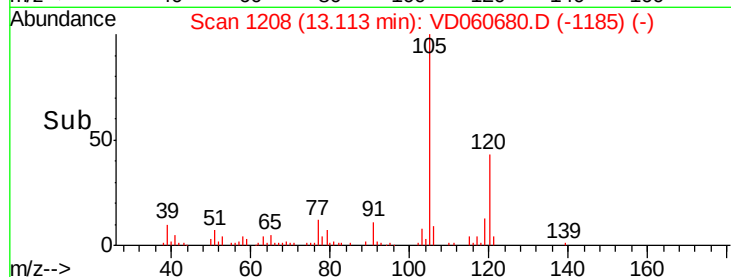
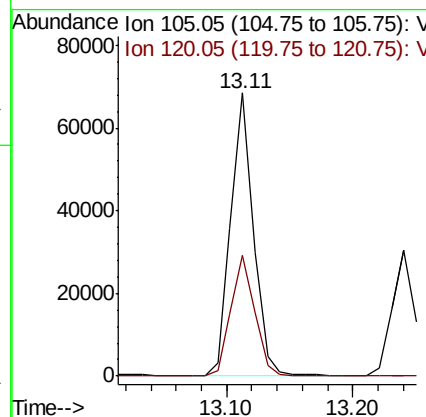
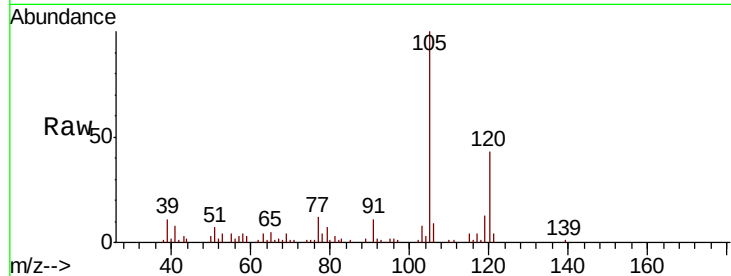




#84
 1,2,4-Trimethylbenzene
 Concen: 3.563 ug/l
 RT: 13.11 min Scan# 1208
 Delta R.T. 0.02 min
 Lab File: VD060680.D
 Acq: 21 Dec 2018 13:30

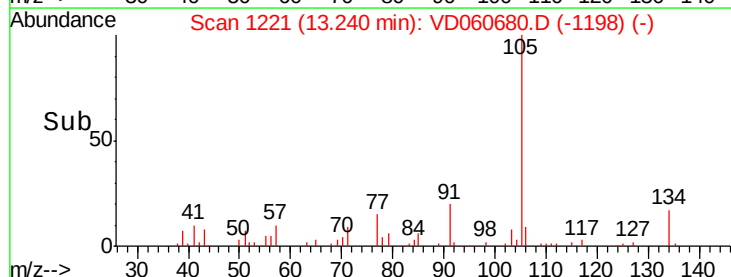
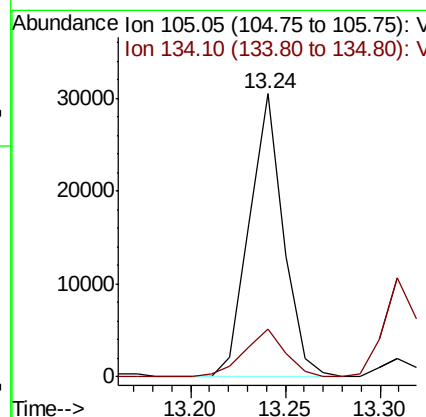
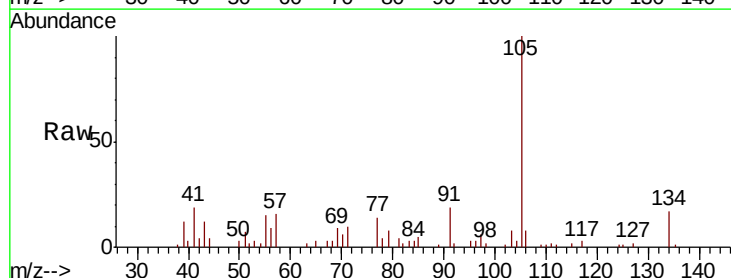
Instrument :
 MSVOA_D
 ClientSampleId :
 PROP-SW-1RE

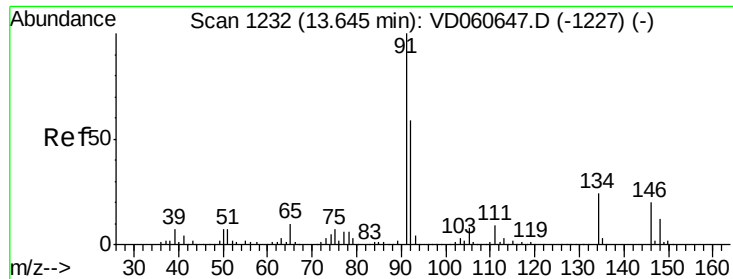
Tot Ion:105 Resp: 85215
 Ion Ratio Lower Upper
 105 100
 120 42.9 22.4 67.0



#85
 sec-Butylbenzene
 Concen: 1.184 ug/l
 RT: 13.24 min Scan# 1221
 Delta R.T. 0.02 min
 Lab File: VD060680.D
 Acq: 21 Dec 2018 13:30

Tgt Ion:105 Resp: 38156
 Ion Ratio Lower Upper
 105 100
 134 16.8 8.2 24.4

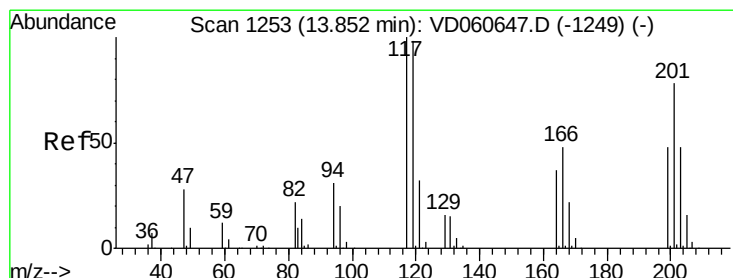
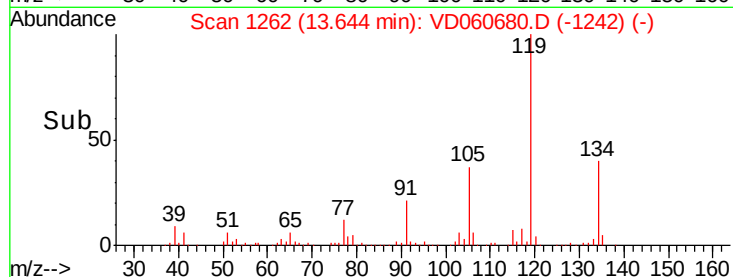
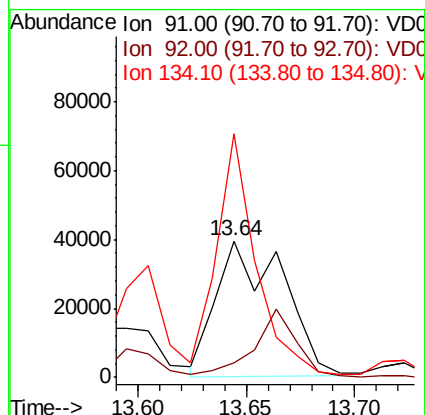
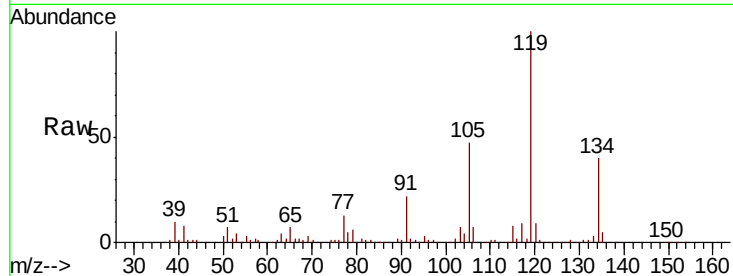




#89
n-Butylbenzene
Concen: 3.191 ug/l
RT: 13.64 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VD060680.D
Acq: 21 Dec 2018 13:30

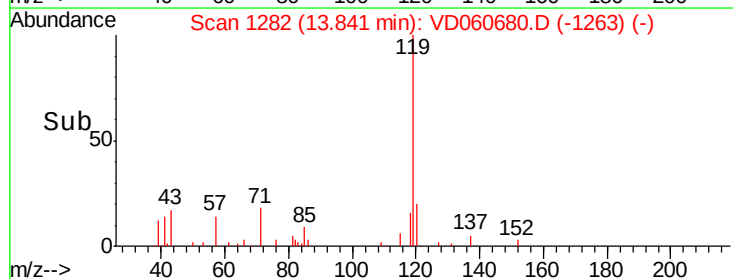
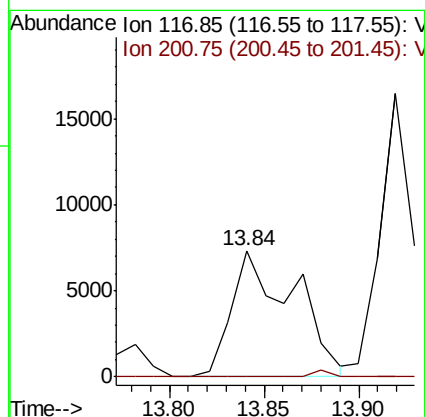
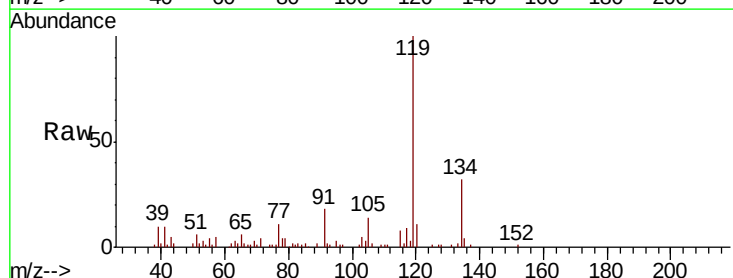
Instrument :
MSVOA_D
ClientSampleId :
PROP-SW-1RE

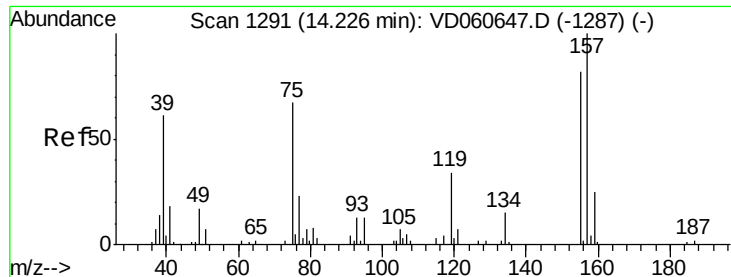
Tot Ion: 91 Resp: 84813
Ion Ratio Lower Upper
91 100
92 10.2 29.7 89.1#
134 178.3 12.7 38.1#



#90
Hexachloroethane
Concen: 2.619 ug/l
RT: 13.84 min Scan# 1282
Delta R.T. -0.02 min
Lab File: VD060680.D
Acq: 21 Dec 2018 13:30

Tgt Ion: 117 Resp: 16737
Ion Ratio Lower Upper
117 100
201 0.0 42.6 127.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.943 ug/l

RT: 14.23 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VD060680.D

Acq: 21 Dec 2018 13:30

Instrument :

MSVOA_D

ClientSampleId :

PROP-SW-1RE

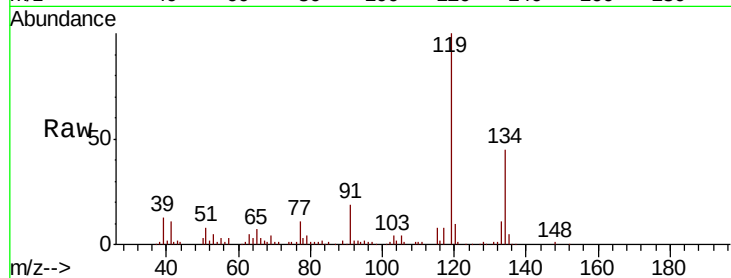
Tot Ion: 75 Resp: 1685

Ion Ratio Lower Upper

75 100

155 0.0 41.1 123.4#

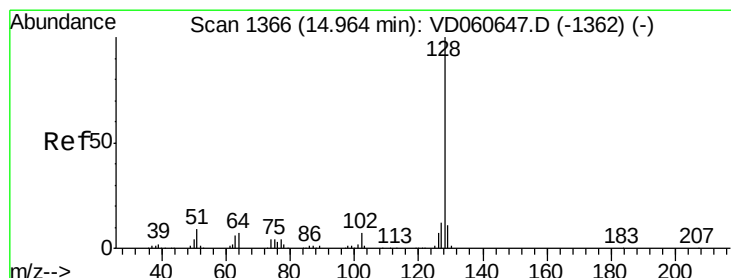
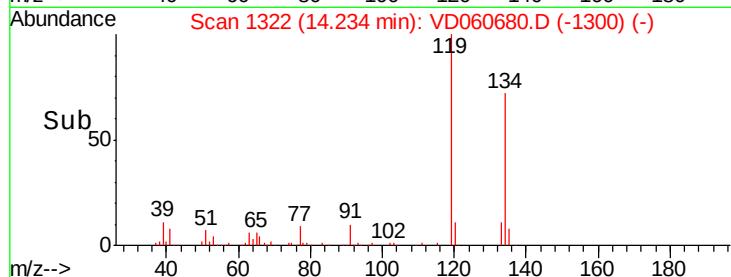
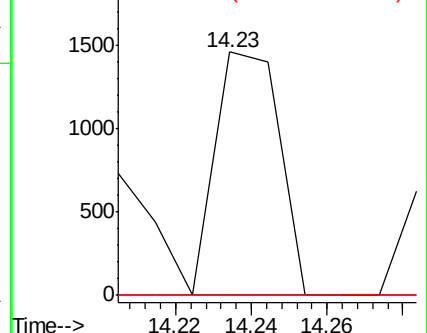
157 0.0 52.5 157.6#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



#95

Naphthalene

Concen: 5.911 ug/l

RT: 14.98 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VD060680.D

Acq: 21 Dec 2018 13:30

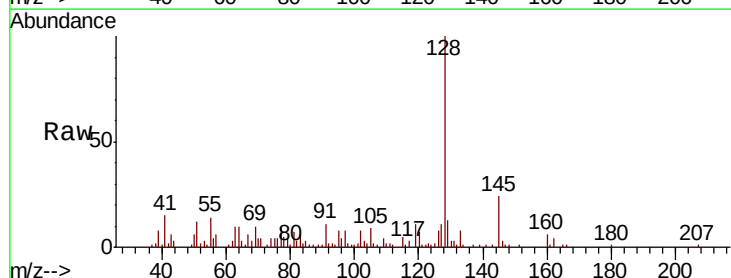
Tgt Ion: 128 Resp: 65352

Ion Ratio Lower Upper

128 100

127 11.4 10.1 15.1

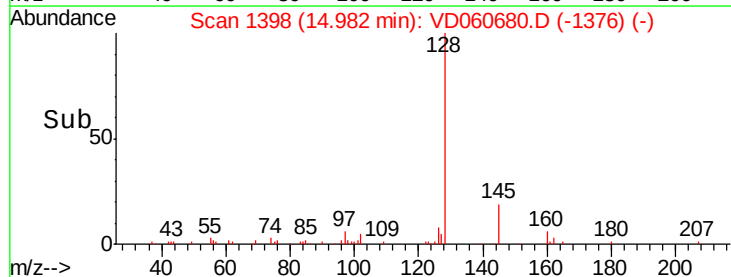
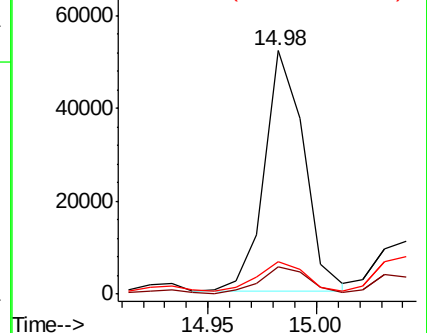
129 13.2 8.6 13.0#

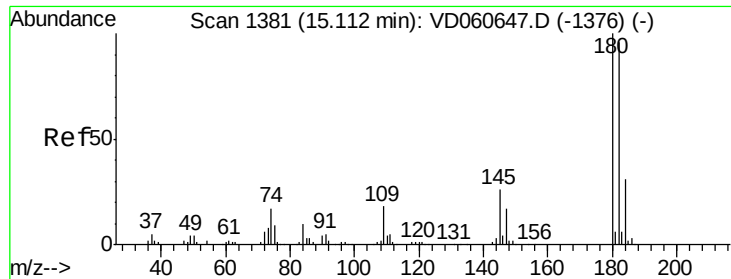


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

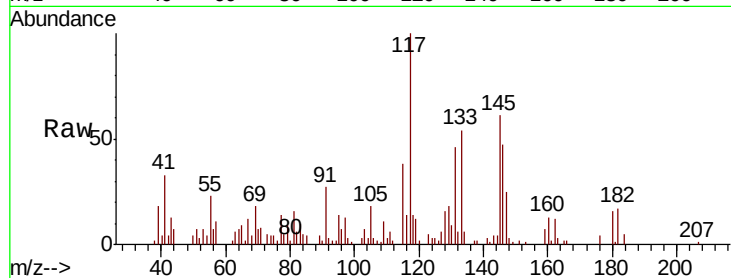




#96
 1,2,3-Trichlorobenzene
 Concen: 1.069 ug/l
 RT: 15.13 min Scan# 1413
 Delta R.T. 0.01 min
 Lab File: VD060680.D
 Acq: 21 Dec 2018 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 PROP-SW-1RE

Tot Ion:180 Resp: 7770
 Ion Ratio Lower Upper
 180 100
 182 105.4 48.6 145.9
 145 383.6 12.6 37.8#



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

