

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100518\
 Data File : VD060142.D
 Acq On : 5 Oct 2018 17:35
 Operator : VA/AP
 Sample : J5270-06
 Misc : 5.02g/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 STOCK-PILE-C

Quant Time: Oct 05 23:43:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	633410	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	638715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	178092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	24486	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	170742	35.56	ug/l	0.00
Spiked Amount			Recovery	=	71.12%	
35) Dibromofluoromethane	6.30	113	238886	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
50) Toluene-d8	9.44	98	306700	22.18	ug/l	0.00
Spiked Amount			Recovery	=	44.36%	
62) 4-Bromofluorobenzene	12.42	95	30811	5.95	ug/l	0.00
Spiked Amount			Recovery	=	11.90%	

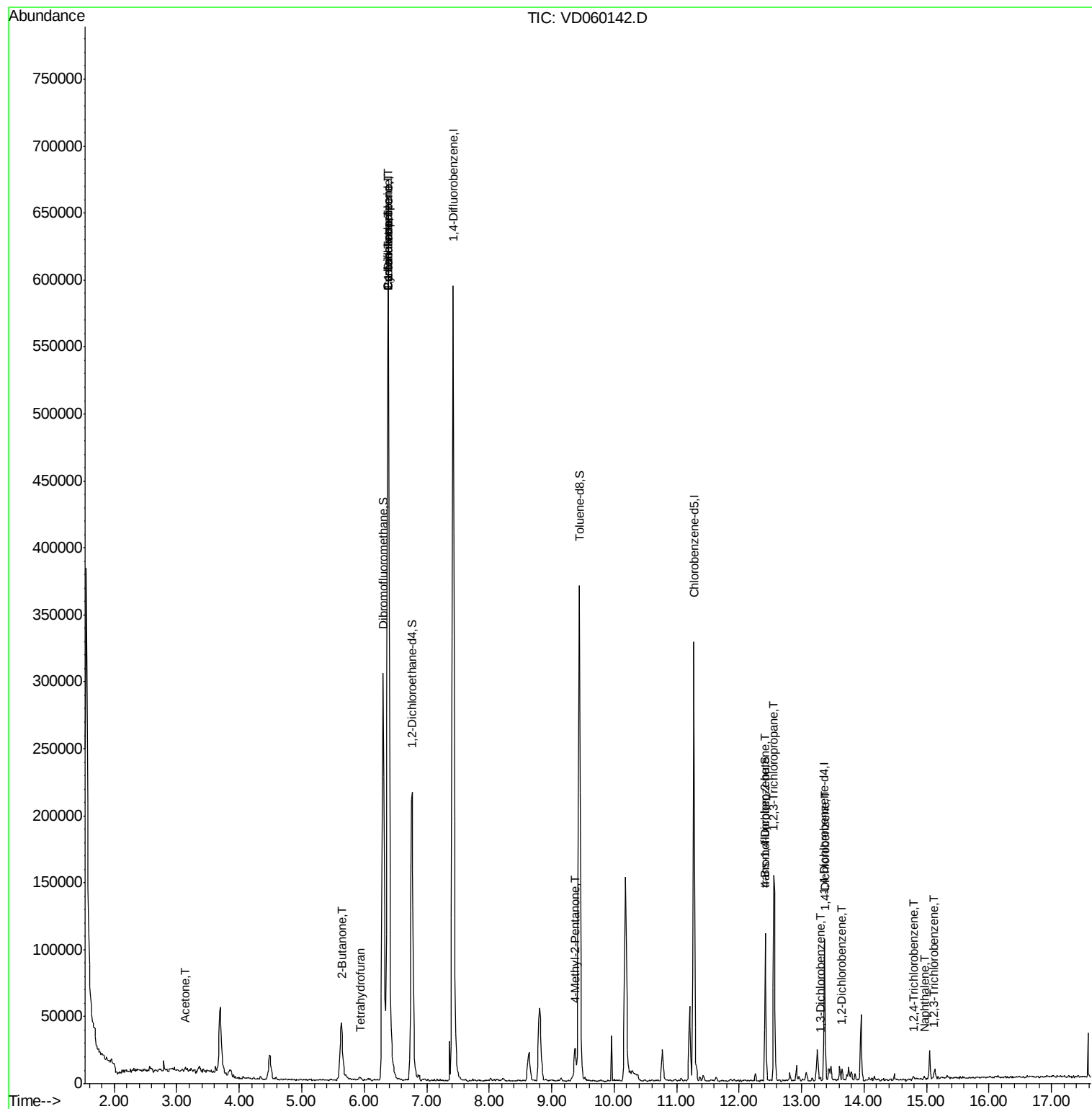
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.14	43	8295	9.521	ug/l #	54
25) 2-Butanone	5.63	43	3625	1.665	ug/l #	59
29) Tetrahydrofuran	5.93	42	2186	1.729	ug/l #	57
31) Cyclohexane	6.38	56	12070	1.160	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	43392	7.109	ug/l #	46
38) Carbon Tetrachloride	6.38	117	47610	8.594	ug/l #	15
51) 4-Methyl-2-Pentanone	9.38	43	8113	2.413	ug/l #	70
76) 1,2,3-Trichloropropane	12.55	75	1043	2.958	ug/l #	42
81) trans-1,4-Dichloro-2-buten	12.42	75	12532	126.479	ug/l #	13
87) 1,3-Dichlorobenzene	13.30	146	1073	1.312	ug/l #	65
88) 1,4-Dichlorobenzene	13.38	146	1207	1.469	ug/l #	82
91) 1,2-Dichlorobenzene	13.66	146	885	1.287	ug/l	85
93) 1,2,4-Trichlorobenzene	14.78	180	845	1.448	ug/l #	89
95) Naphthalene	14.96	128	2663	3.078	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.11	180	697	1.373	ug/l #	71

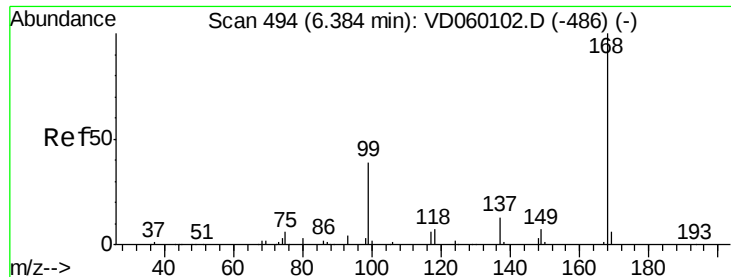
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD100518\
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.00 min

Lab File: VD060142.D

Acq: 5 Oct 2018 17:35

Instrument :

MSVOA_D

ClientSampleId :

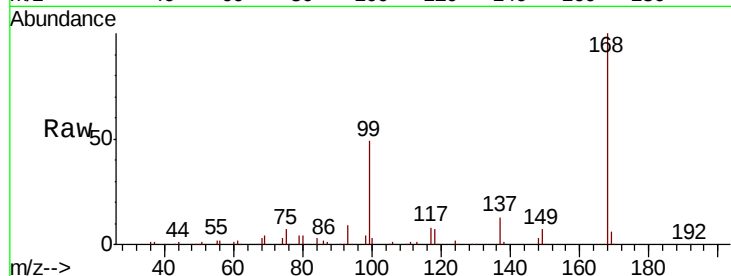
STOCK-PILE-C

Tgt Ion:168 Resp: 633410

Ion Ratio Lower Upper

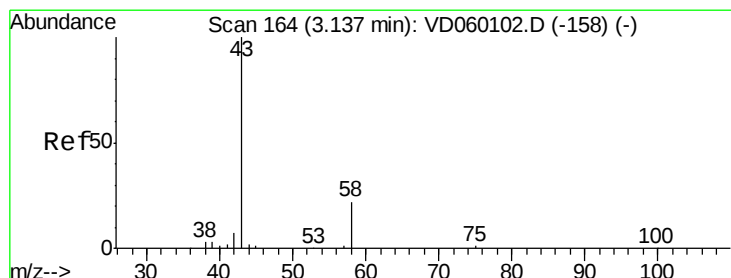
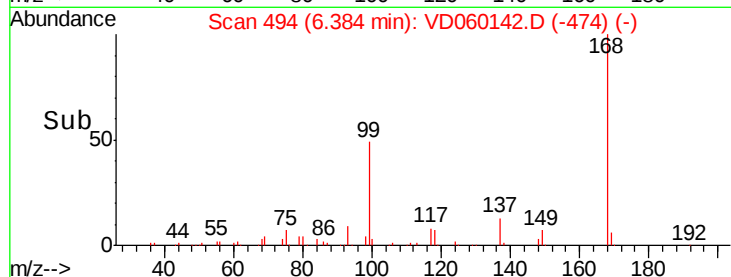
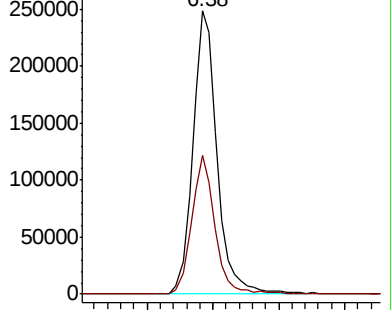
168 100

99 48.8 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 9.521 ug/l

RT: 3.14 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD060142.D

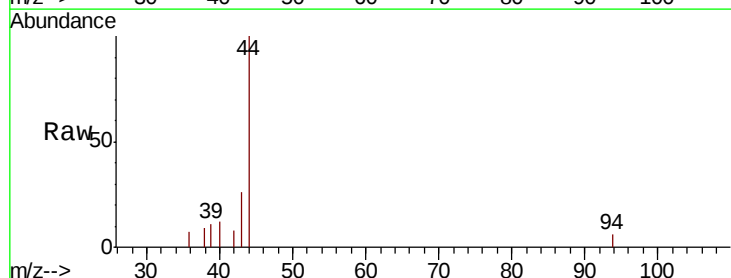
Acq: 5 Oct 2018 17:35

Tgt Ion: 43 Resp: 8295

Ion Ratio Lower Upper

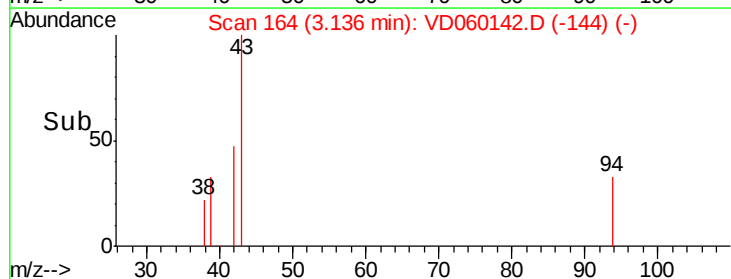
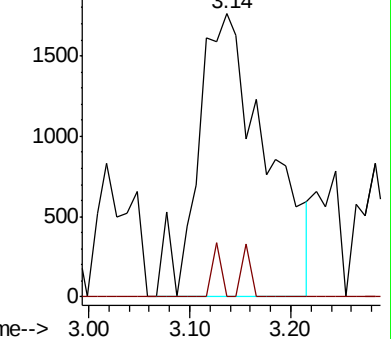
43 100

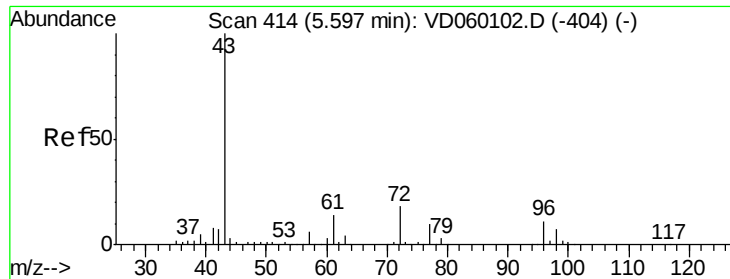
58 0.0 17.7 26.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#25

2-Butanone

Concen: 1.665 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.03 min

Lab File: VD060142.D

Acq: 5 Oct 2018 17:35

Instrument :

MSVOA_D

ClientSampleId :

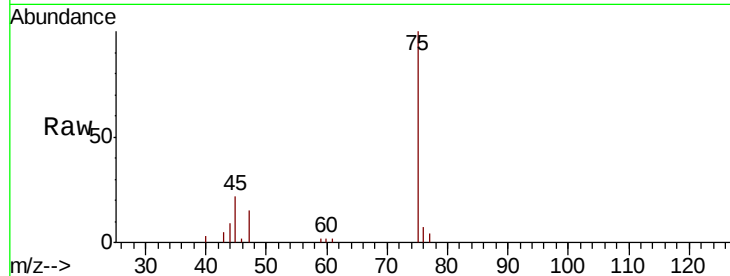
STOCK-PILE-C

Tgt Ion: 43 Resp: 3625

Ion Ratio Lower Upper

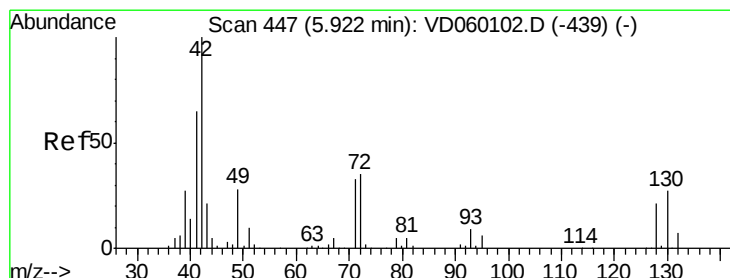
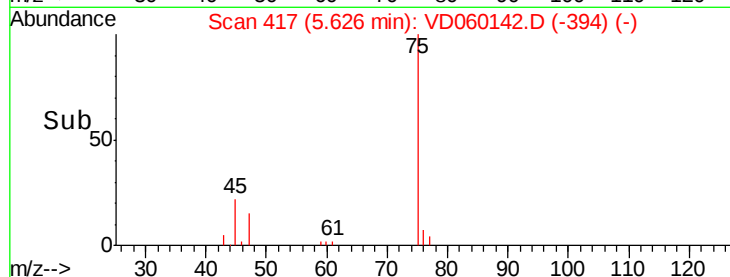
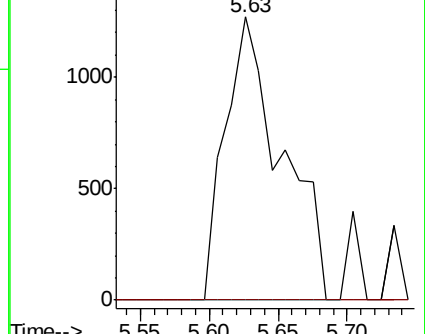
43 100

72 0.0 14.5 21.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.729 ug/l

RT: 5.93 min Scan# 448

Delta R.T. 0.01 min

Lab File: VD060142.D

Acq: 5 Oct 2018 17:35

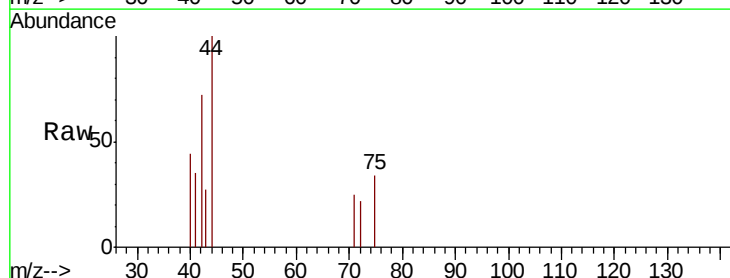
Tgt Ion: 42 Resp: 2186

Ion Ratio Lower Upper

42 100

72 8.3 26.9 40.3#

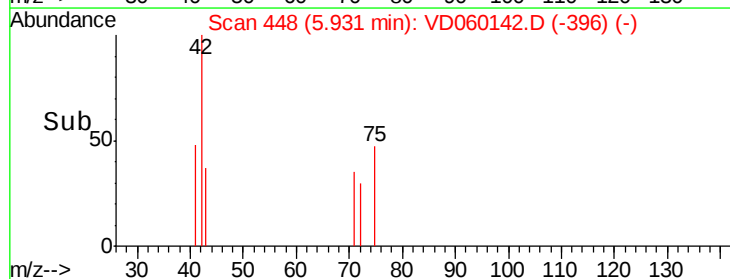
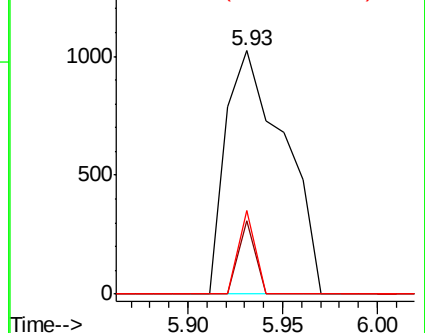
71 9.6 26.7 40.1#

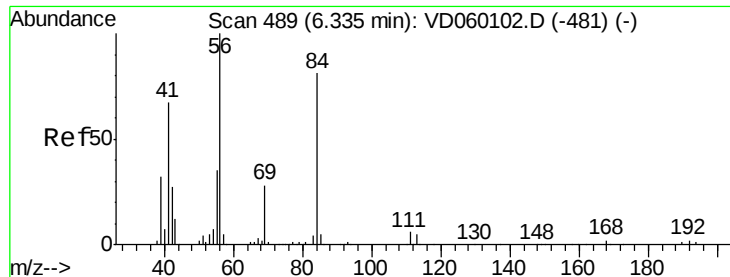


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

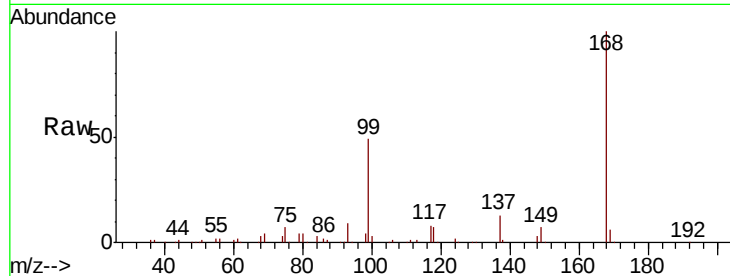




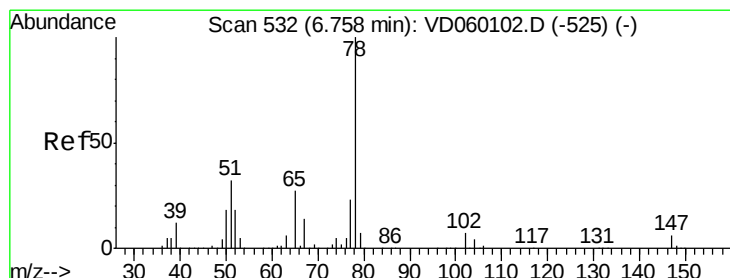
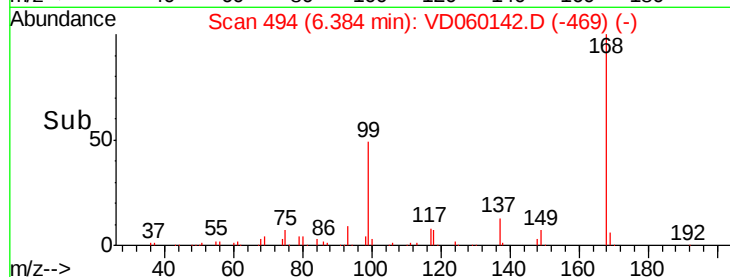
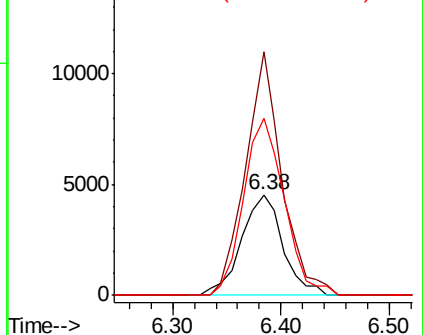
#31
Cyclohexane
Concen: 1.160 ug/l
RT: 6.38 min Scan# 494
Delta R.T. 0.05 min
Lab File: VD060142.D
Acq: 5 Oct 2018 17:35

Instrument :
MSVOA_D
ClientSampleId :
STOCK-PILE-C

Tgt Ion: 56 Resp: 12070
Ion Ratio Lower Upper
56 100
69 242.5 22.8 34.2#
84 176.6 64.9 97.3#

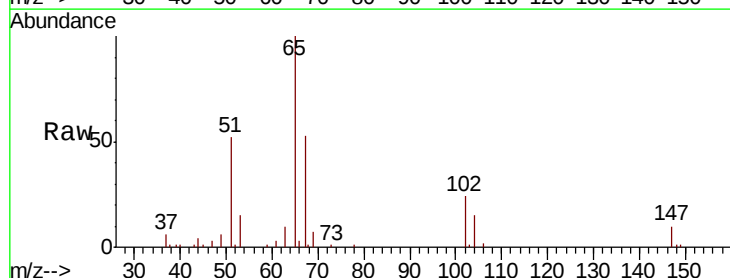


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

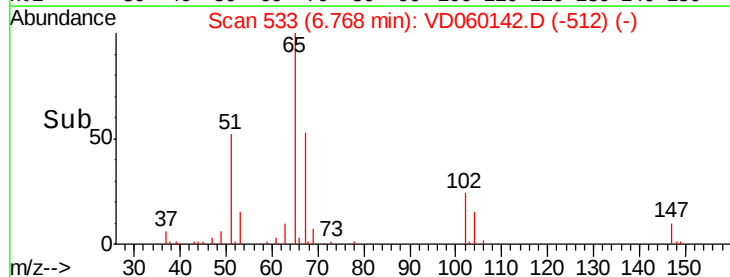
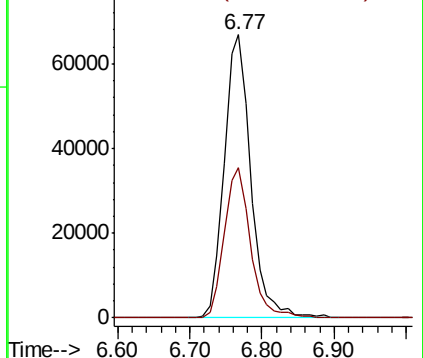


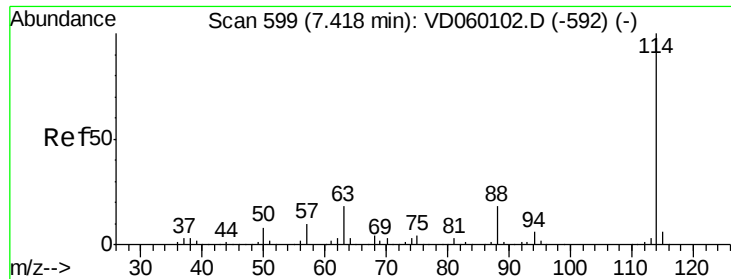
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.77 min Scan# 533
Delta R.T. 0.01 min
Lab File: VD060142.D
Acq: 5 Oct 2018 17:35

Tgt Ion: 65 Resp: 170742
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.2



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

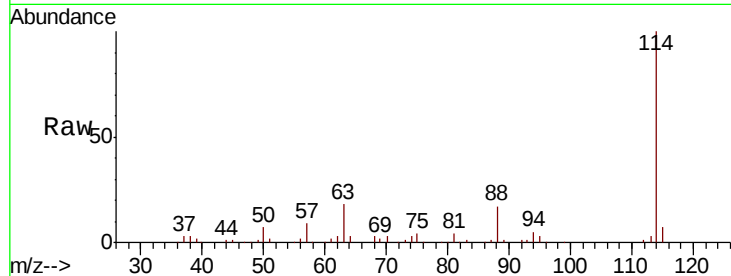




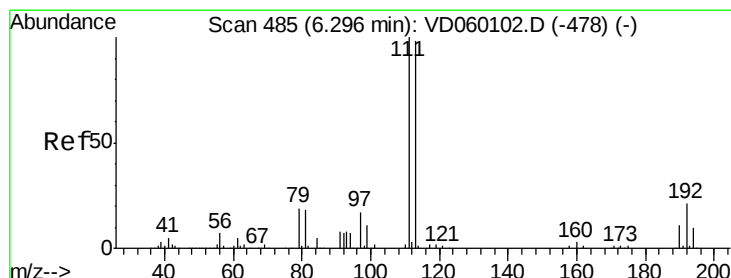
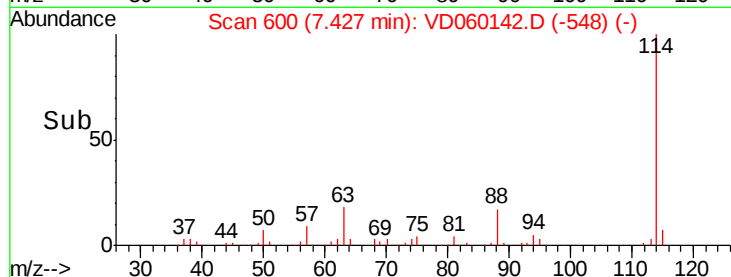
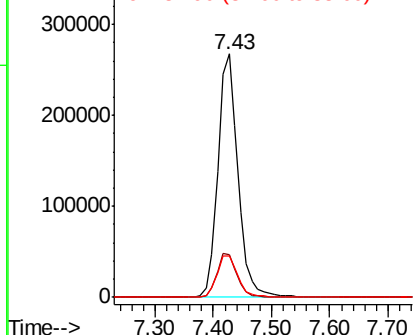
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. 0.01 min
 Lab File: VD060142.D
 Acq: 5 Oct 2018 17:35

Instrument :
 MSVOA_D
 ClientSampleId :
 STOCK-PILE-C

Tgt Ion:114 Resp: 638715
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.0
 88 17.2 0.0 36.2

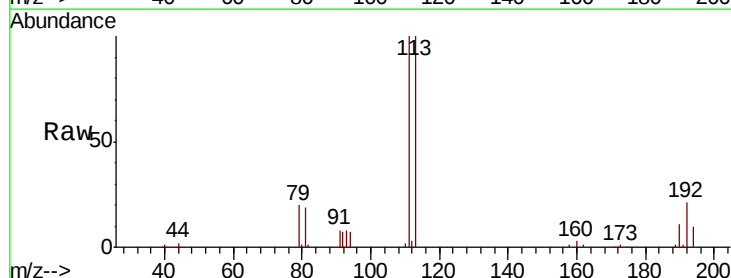


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

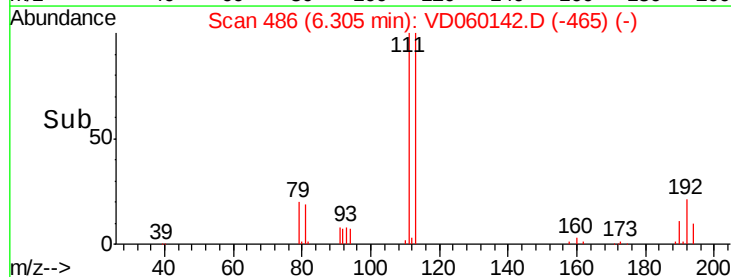
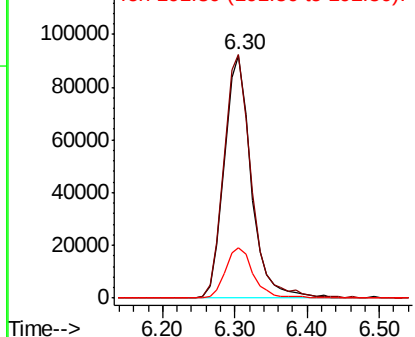


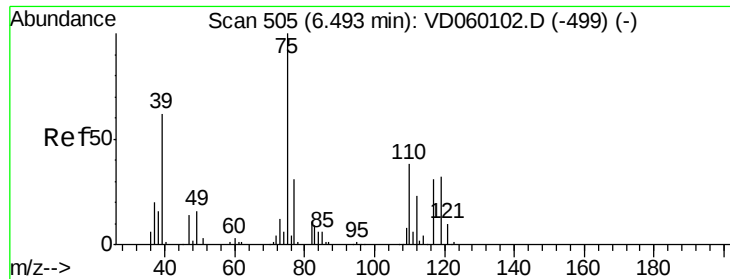
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 486
 Delta R.T. 0.01 min
 Lab File: VD060142.D
 Acq: 5 Oct 2018 17:35

Tgt Ion:113 Resp: 238886
 Ion Ratio Lower Upper
 113 100
 111 100.2 81.5 122.3
 192 20.8 17.4 26.0



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

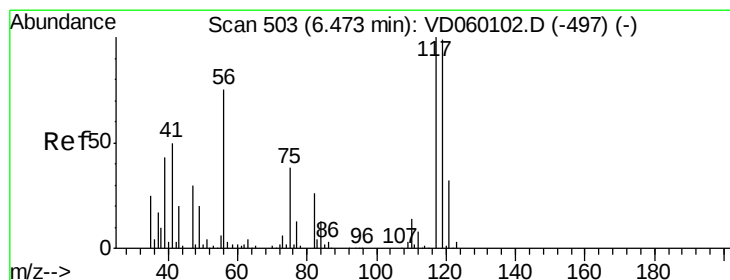
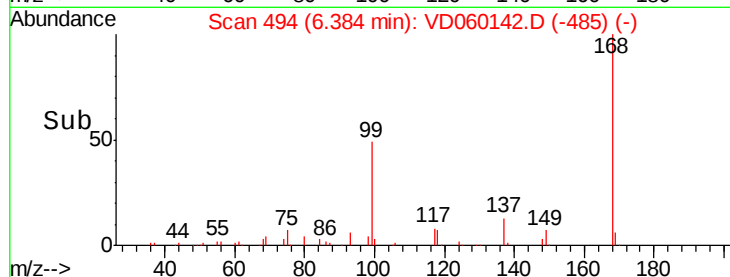
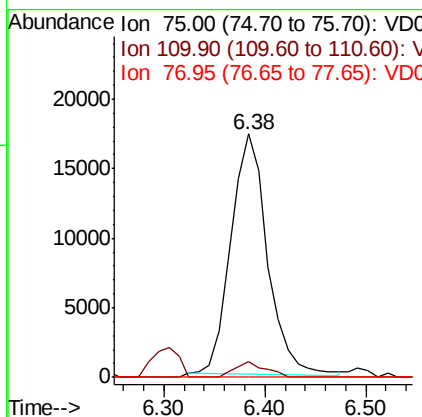
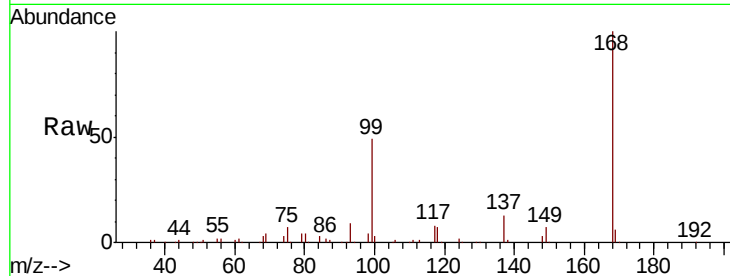




#36
 1,1-Dichloropropene
 Concen: 7.109 ug/l
 RT: 6.38 min Scan# 494
 Delta R.T. -0.11 min
 Lab File: VD060142.D
 Acq: 5 Oct 2018 17:35

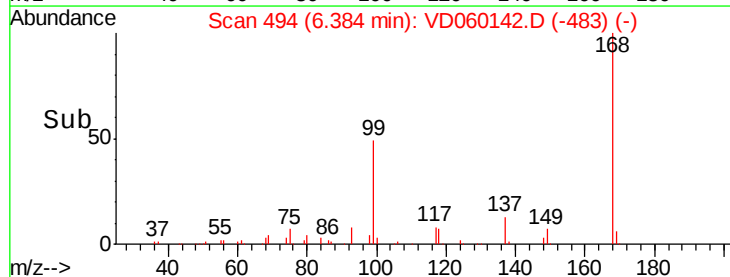
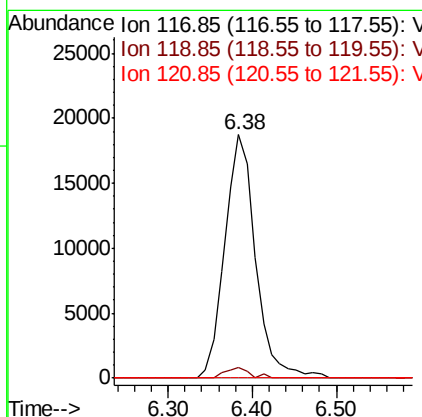
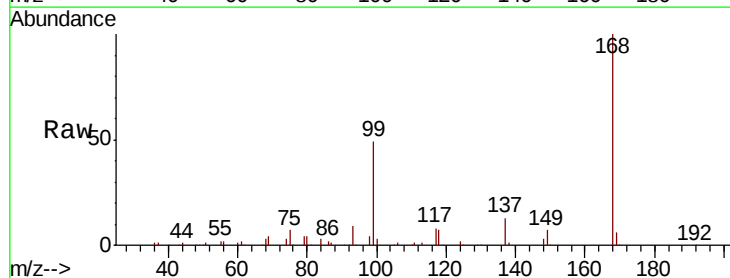
Instrument :
 MSVOA_D
 ClientSampleId :
 STOCK-PILE-C

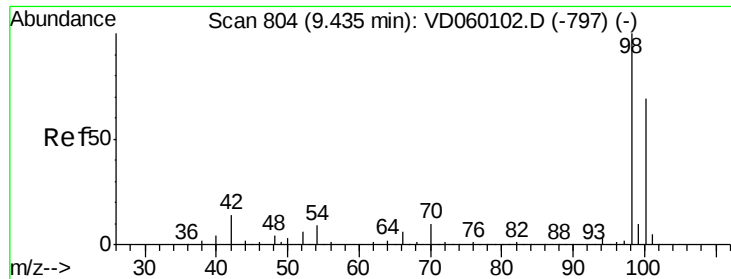
Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.3	19.0	57.0#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 8.594 ug/l
 RT: 6.38 min Scan# 494
 Delta R.T. -0.09 min
 Lab File: VD060142.D
 Acq: 5 Oct 2018 17:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	77.8	116.6#
121	0.0	24.8	37.2#

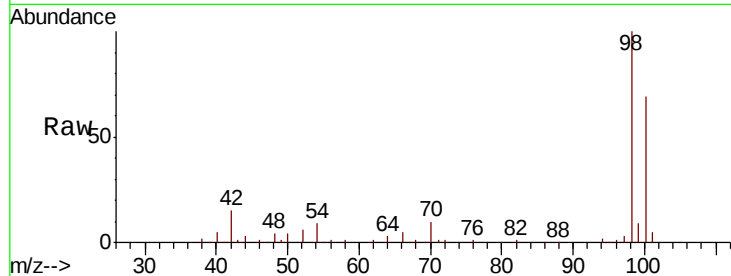




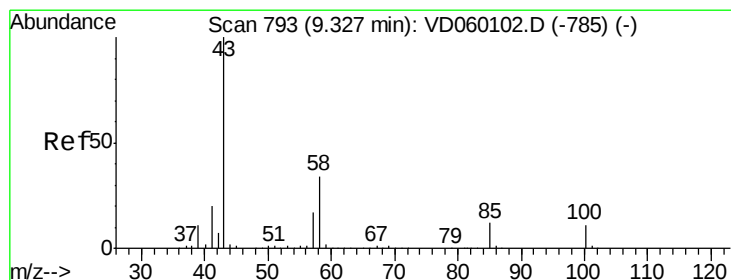
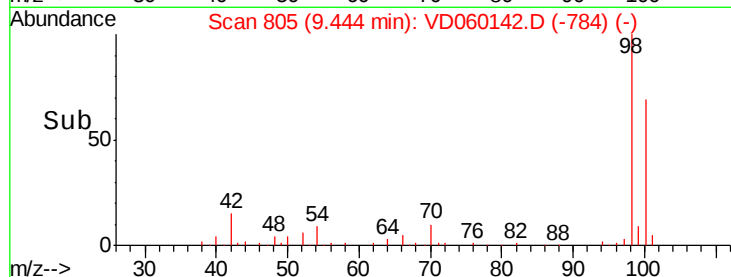
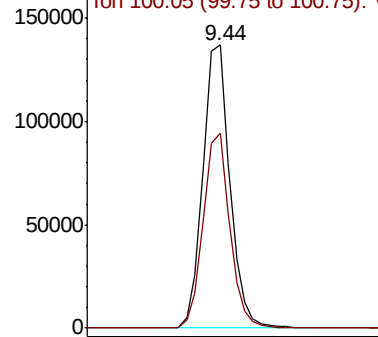
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060142.D
Acq: 5 Oct 2018 17:35

Instrument :
MSVOA_D
ClientSampleId :
STOCK-PILE-C

Tgt Ion: 98 Resp: 306700
Ion Ratio Lower Upper
98 100
100 68.8 55.4 83.0

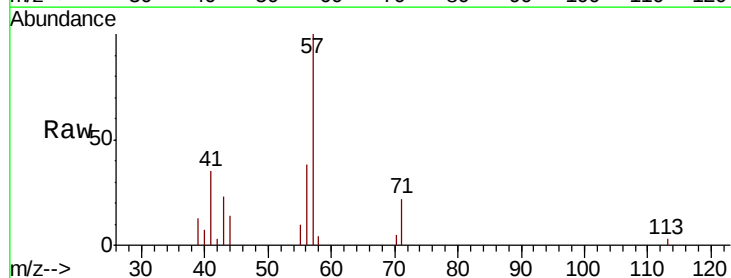


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

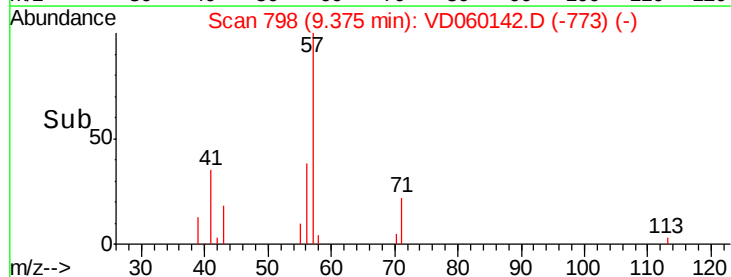
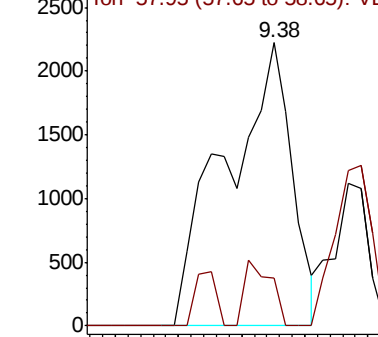


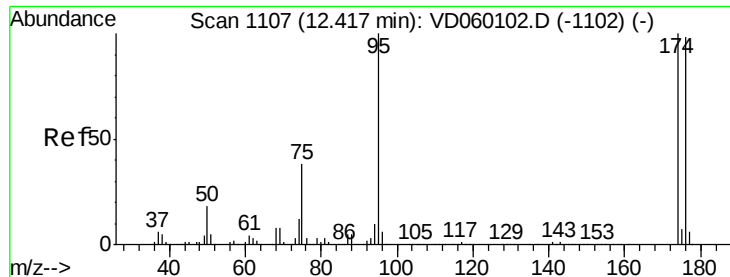
#51
4-Methyl-2-Pentanone
Concen: 2.413 ug/l
RT: 9.38 min Scan# 798
Delta R.T. 0.05 min
Lab File: VD060142.D
Acq: 5 Oct 2018 17:35

Tgt Ion: 43 Resp: 8113
Ion Ratio Lower Upper
43 100
58 17.0 27.2 40.8#



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD060142.D

Acq: 5 Oct 2018 17:35

Instrument :

MSVOA_D

ClientSampleId :

STOCK-PILE-C

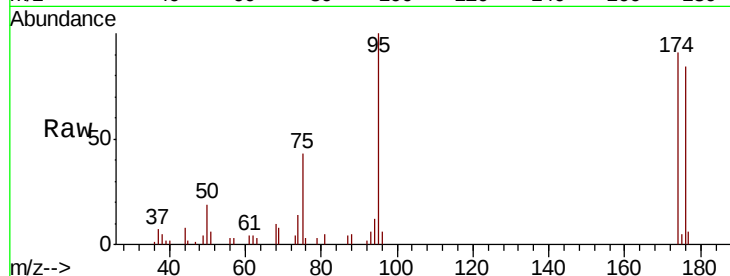
Tgt Ion: 95 Resp: 30811

Ion Ratio Lower Upper

95 100

174 90.8 0.0 200.2

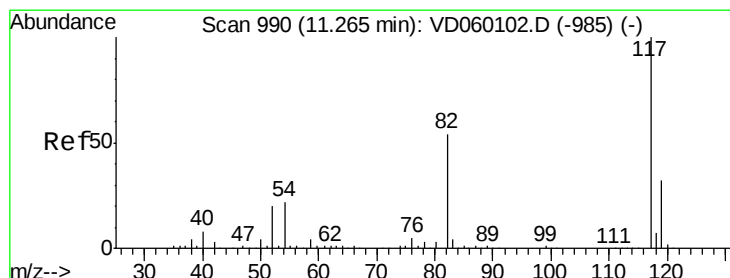
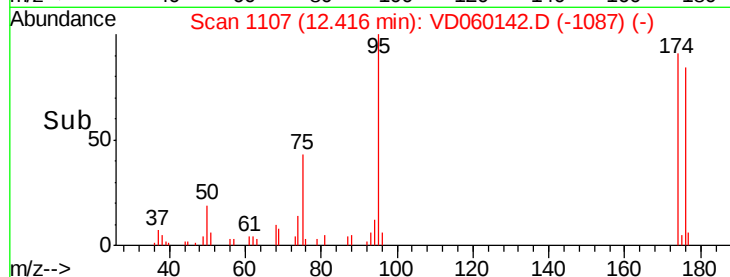
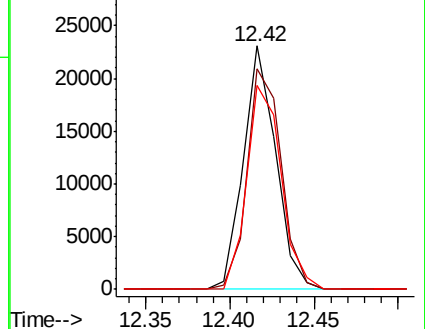
176 83.9 0.0 195.6



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: 11.27 min Scan# 991

Delta R.T. 0.01 min

Lab File: VD060142.D

Acq: 5 Oct 2018 17:35

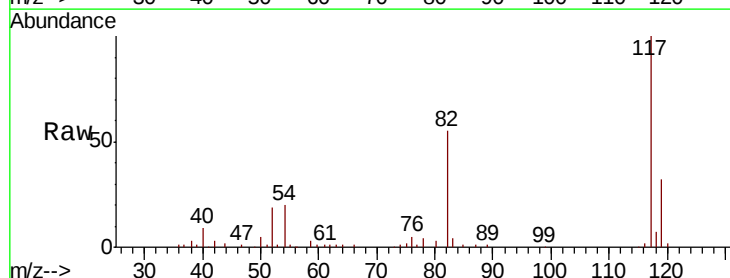
Tgt Ion: 117 Resp: 178092

Ion Ratio Lower Upper

117 100

82 54.9 43.4 65.2

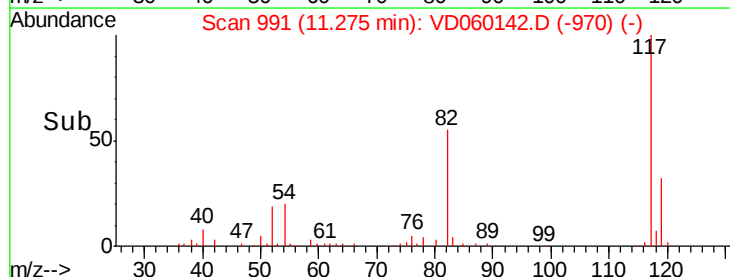
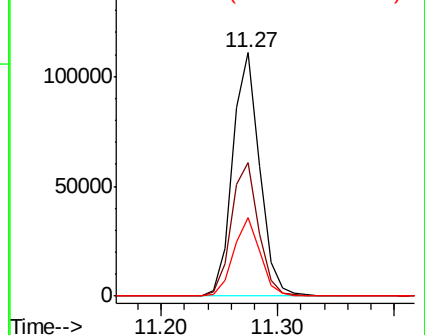
119 32.5 26.0 39.0

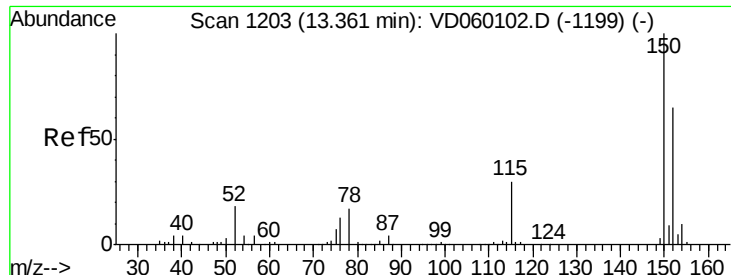


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD060142.D

Acq: 5 Oct 2018 17:35

Instrument :

MSVOA_D

ClientSampleId :

STOCK-PILE-C

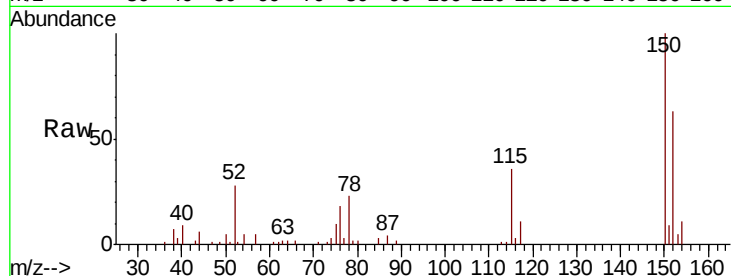
Tgt Ion:152 Resp: 24486

Ion Ratio Lower Upper

152 100

115 58.3 27.1 81.2

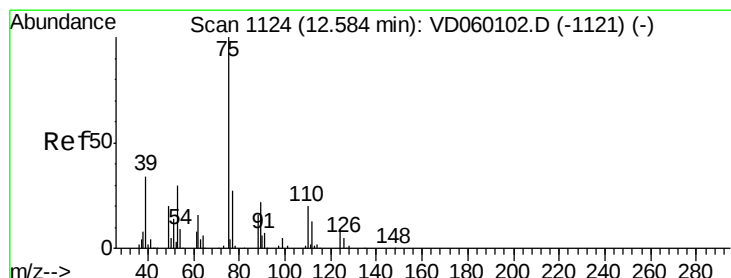
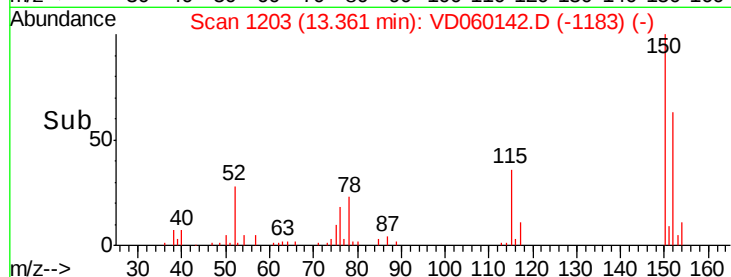
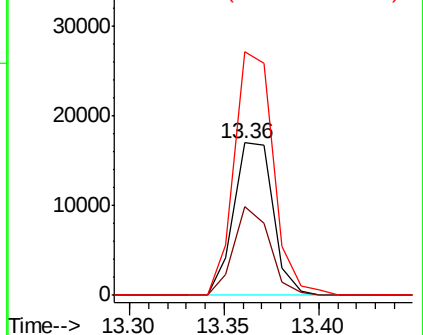
150 159.9 0.0 311.8



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



#76

1,2,3-Trichloropropane

Concen: 2.958 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.03 min

Lab File: VD060142.D

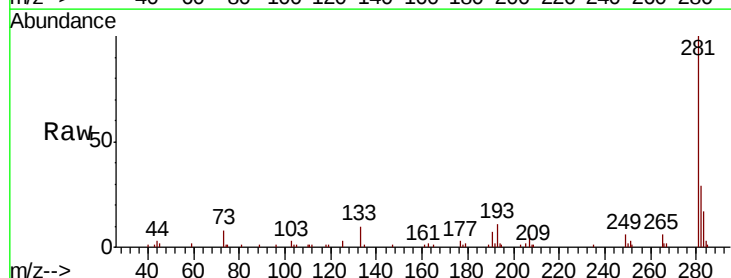
Acq: 5 Oct 2018 17:35

Tgt Ion: 75 Resp: 1043

Ion Ratio Lower Upper

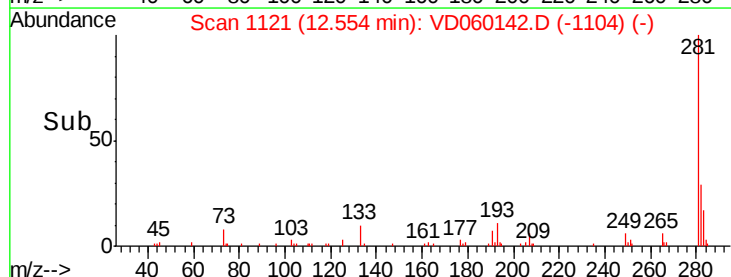
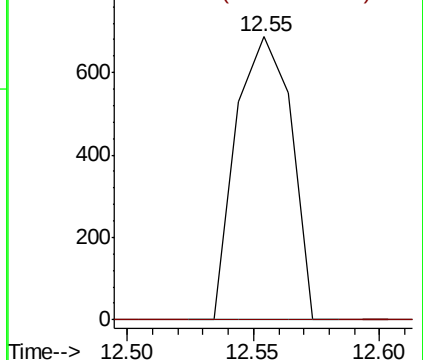
75 100

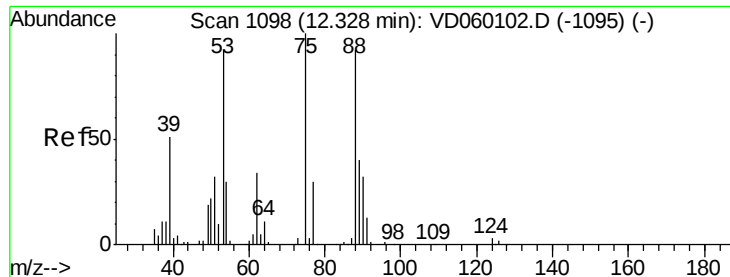
77 0.0 16.3 48.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 126.479 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.09 min

Lab File: VD060142.D

Acq: 5 Oct 2018 17:35

Instrument :

MSVOA_D

ClientSampleId :

STOCK-PILE-C

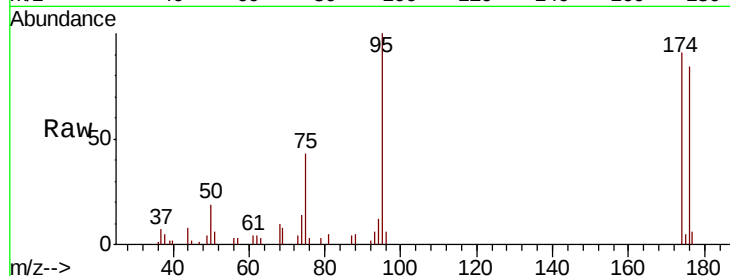
Tgt Ion: 75 Resp: 12532

Ion Ratio Lower Upper

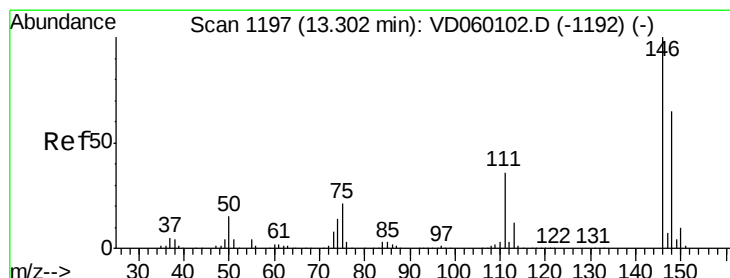
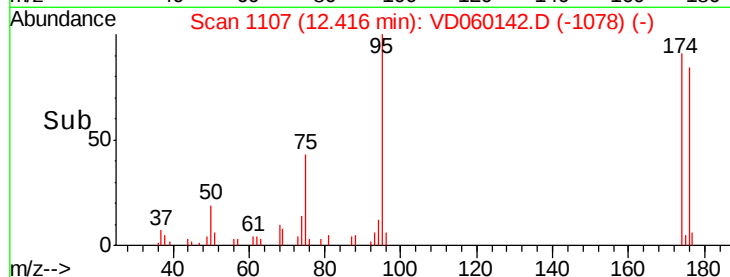
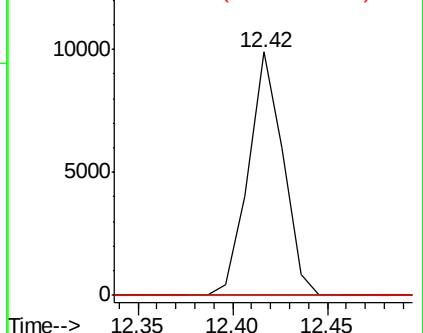
75 100

53 0.0 73.0 109.6#

89 0.0 32.0 48.0#



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



#87

1,3-Dichlorobenzene

Concen: 1.312 ug/l

RT: 13.30 min Scan# 1197

Delta R.T. -0.00 min

Lab File: VD060142.D

Acq: 5 Oct 2018 17:35

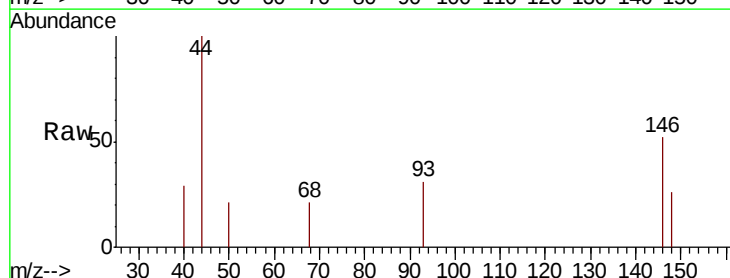
Tgt Ion: 146 Resp: 1073

Ion Ratio Lower Upper

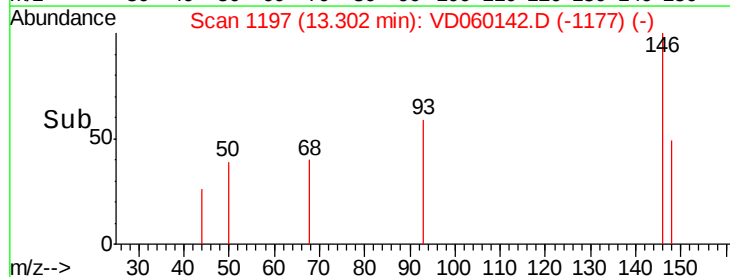
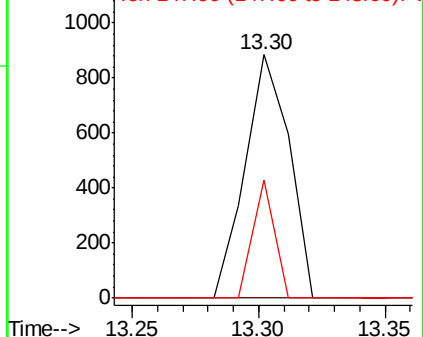
146 100

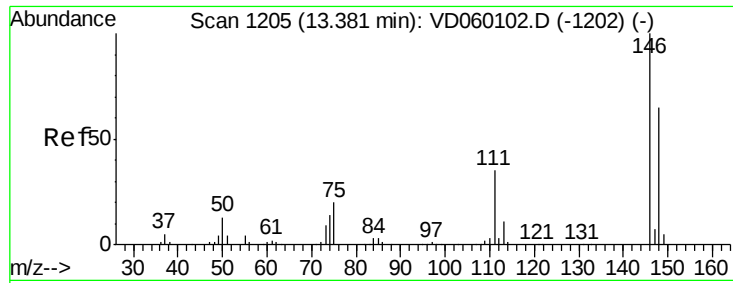
111 0.0 18.1 54.3#

148 48.7 32.3 96.9



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

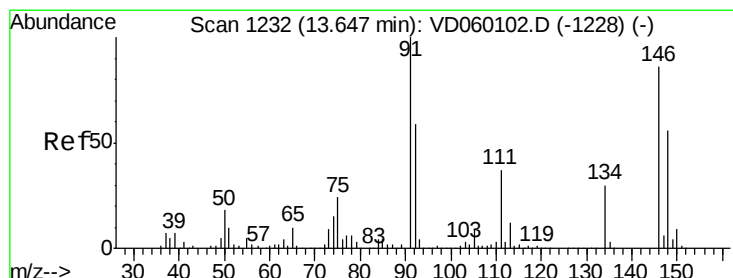
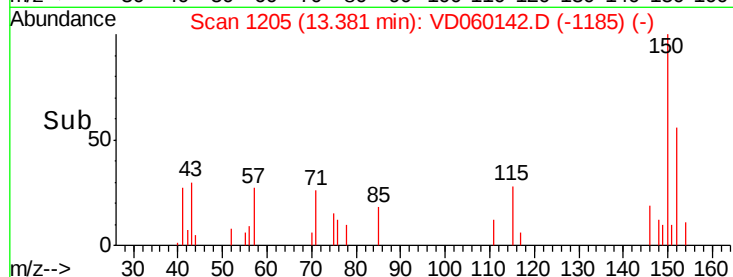
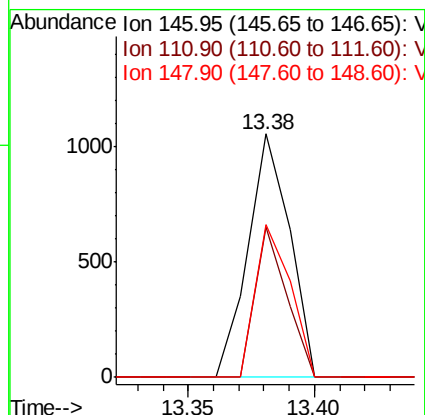
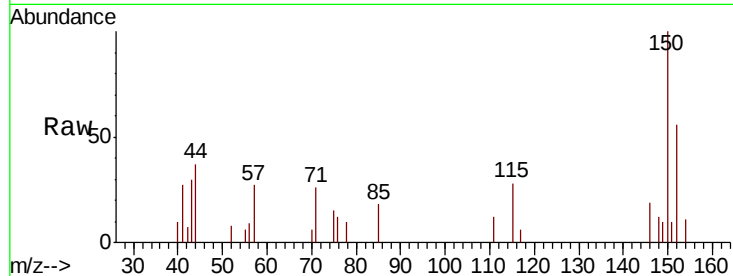




#88
 1,4-Dichlorobenzene
 Concen: 1.469 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VD060142.D
 Acq: 5 Oct 2018 17:35

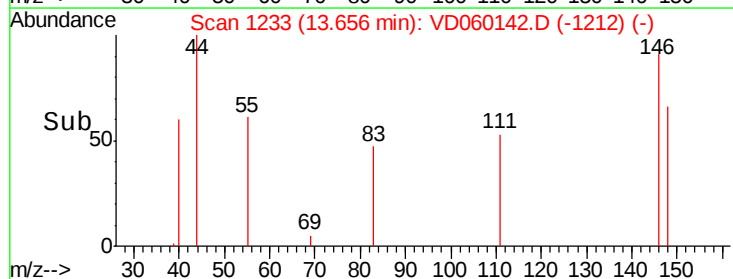
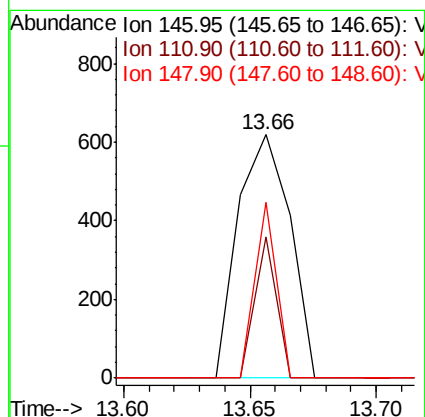
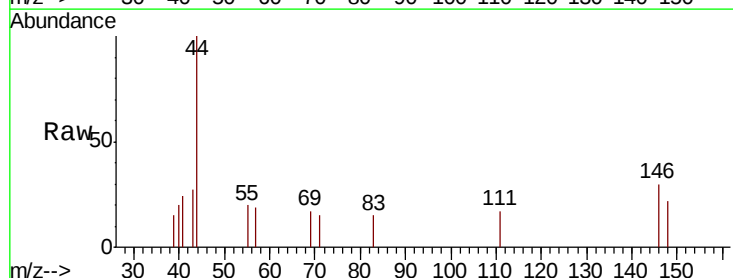
Instrument :
 MSVOA_D
 ClientSampleId :
 STOCK-PILE-C

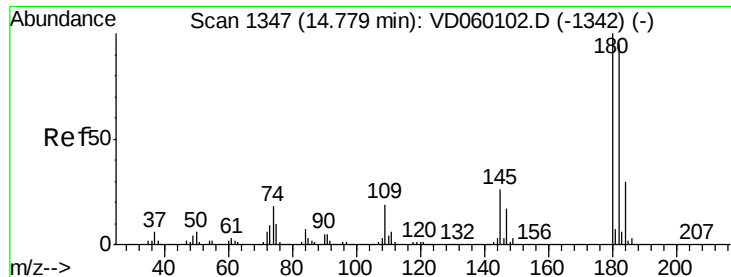
Tgt Ion:146 Resp: 1207
 Ion Ratio Lower Upper
 146 100
 111 61.5 17.8 53.3#
 148 62.5 32.4 97.2



#91
 1,2-Dichlorobenzene
 Concen: 1.287 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060142.D
 Acq: 5 Oct 2018 17:35

Tgt Ion:146 Resp: 885
 Ion Ratio Lower Upper
 146 100
 111 57.8 21.4 64.3
 148 72.4 32.2 96.6

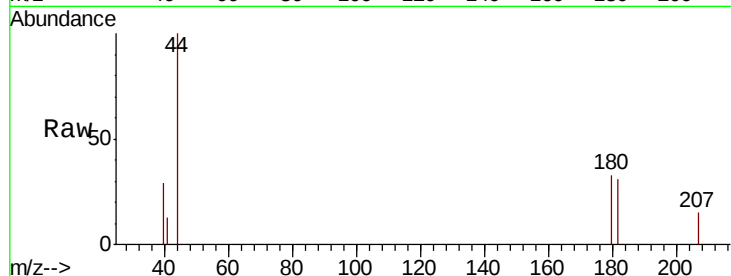




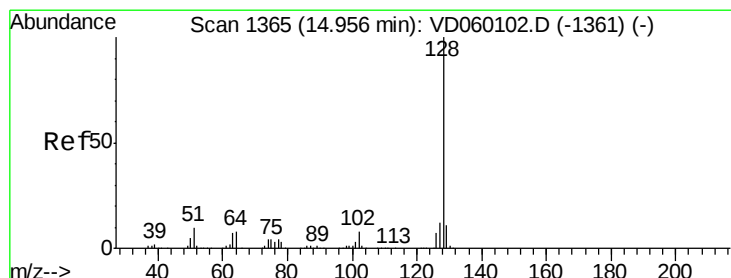
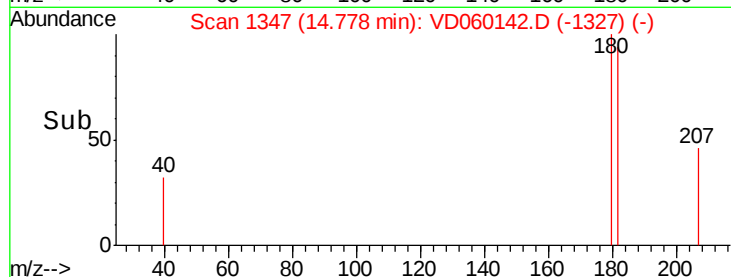
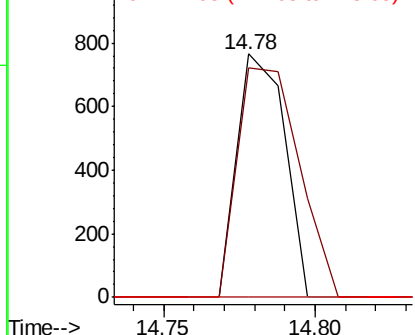
#93
 1,2,4-Trichlorobenzene
 Concen: 1.448 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VD060142.D
 Acq: 5 Oct 2018 17:35

Instrument :
 MSVOA_D
 ClientSampleId :
 STOCK-PILE-C

Tgt Ion:180 Resp: 845
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.3 141.8
 145 0.0 13.0 38.9#

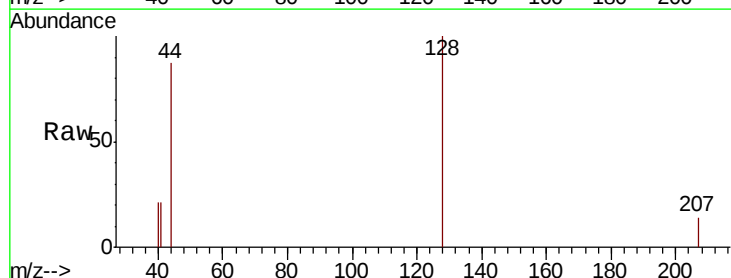


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

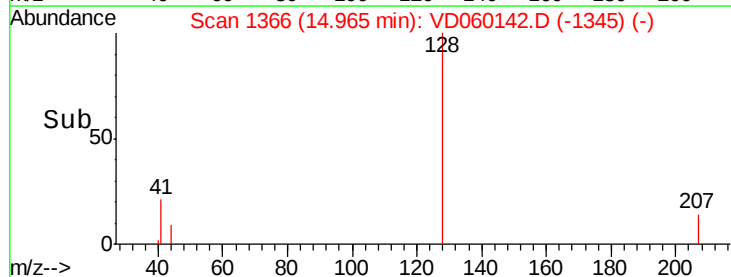
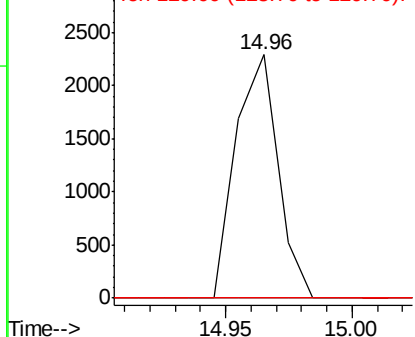


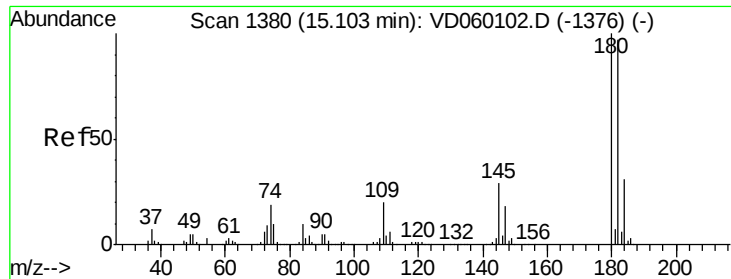
#95
 Naphthalene
 Concen: 3.078 ug/l
 RT: 14.96 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VD060142.D
 Acq: 5 Oct 2018 17:35

Tgt Ion:128 Resp: 2663
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.9 14.9#
 129 0.0 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: 1.373 ug/l
 RT: 15.11 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VD060142.D
 Acq: 5 Oct 2018 17:35

Instrument :
 MSVOA_D
 ClientSampleId :
 STOCK-PILE-C

Tgt Ion	Ratio	Lower	Upper
180	100		
182	76.3	48.4	145.0
145	0.0	14.5	43.6#

