

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121718\
 Data File : VD060608.D
 Acq On : 17 Dec 2018 19:20
 Operator : VA/AP
 Sample : J6445-03
 Misc : 5.53g/5ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EB02_1.5-3.5

Quant Time: Dec 18 11:18:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	78063	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.47	114	123104	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.29	117	115218	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.38	152	43925	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.81	65	71591	129.39	ug/l	0.01
Spiked Amount			Recovery	=	258.78%	
35) Dibromofluoromethane	6.34	113	66757	73.83	ug/l	0.01
Spiked Amount			Recovery	=	147.66%	
50) Toluene-d8	9.47	98	129198	49.38	ug/l	0.01
Spiked Amount			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.44	95	42834	45.75	ug/l	0.00
Spiked Amount			Recovery	=	91.50%	

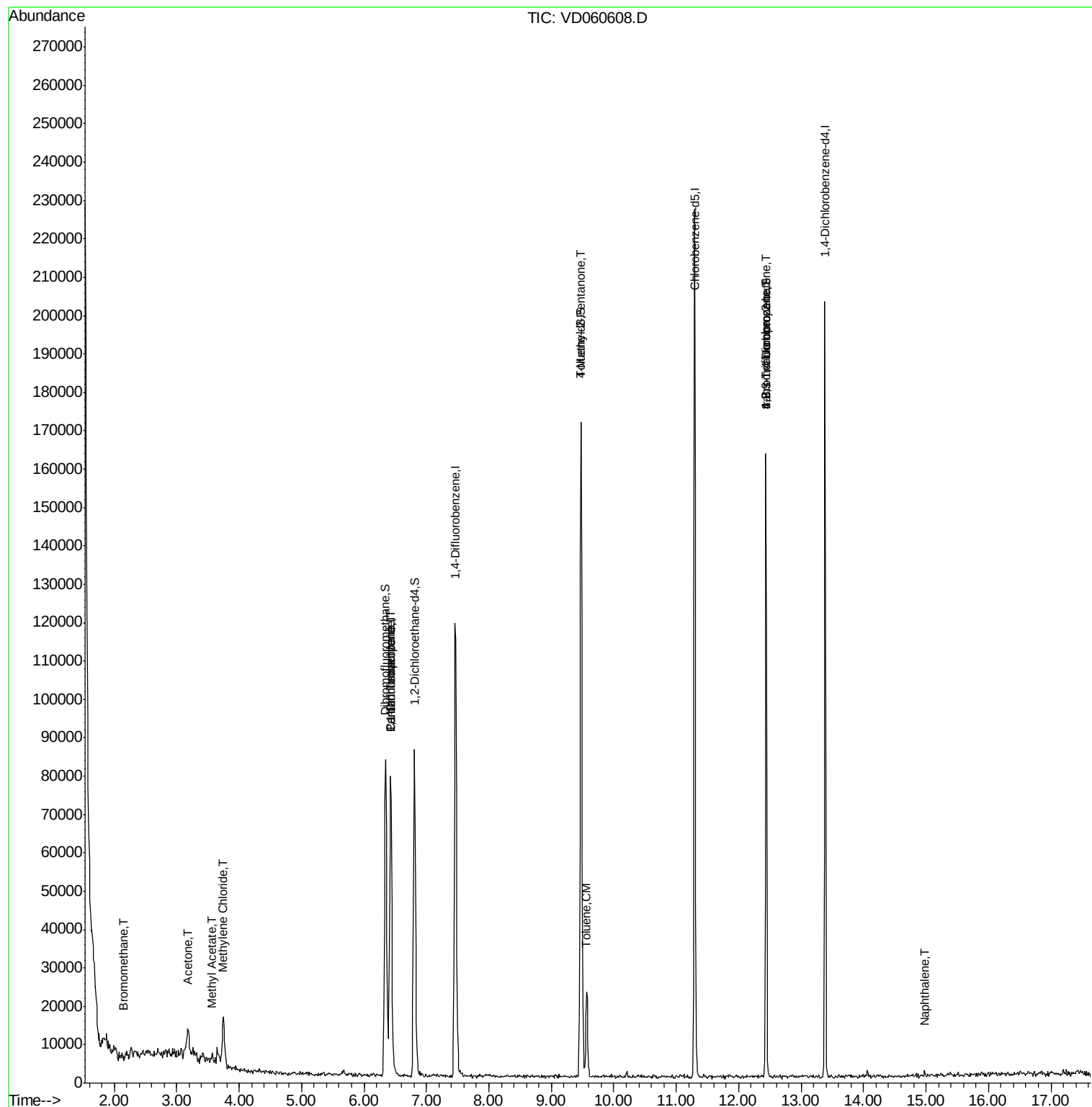
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	238	1.486	ug/l #	4
16) Acetone	3.18	43	17388	196.052	ug/l	97
18) Methyl Acetate	3.57	43	2086	9.896	ug/l #	64
20) Methylene Chloride	3.75	84	7208	4.809	ug/l #	75
31) Cyclohexane	6.42	56	1263	Below Cal	#	1
36) 1,1-Dichloropropene	6.42	75	6246	5.191	ug/l #	41
38) Carbon Tetrachloride	6.42	117	5827	5.394	ug/l #	12
51) 4-Methyl-2-Pentanone	9.47	43	423	1.056	ug/l #	1
52) Toluene	9.56	92	13286	6.912	ug/l	90
76) 1,2,3-Trichloropropane	12.44	75	19110	38.397	ug/l #	42
81) trans-1,4-Dichloro-2-buten	12.44	75	19499	140.473	ug/l #	14
95) Naphthalene	14.98	128	1129	1.004	ug/l #	70

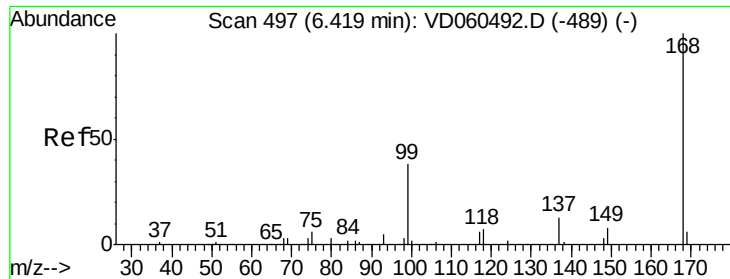
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD121718\
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Quant Time: Dec 18 11:18:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060608.D

Acq: 17 Dec 2018 19:20

Instrument :

MSVOA_D

ClientSampleId :

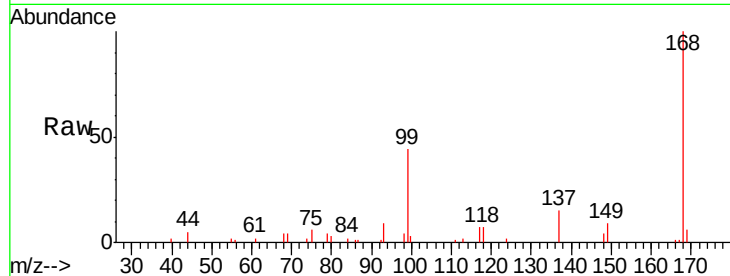
EB02_1.5-3.5

Tgt Ion:168 Resp: 78063

Ion Ratio Lower Upper

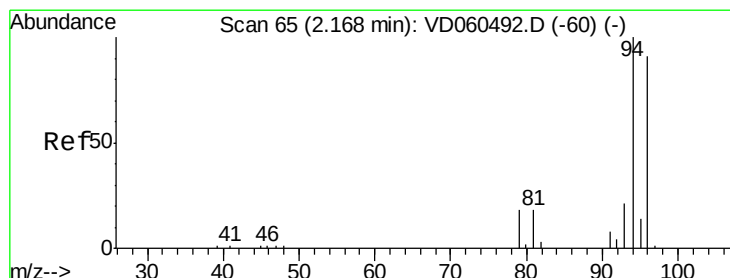
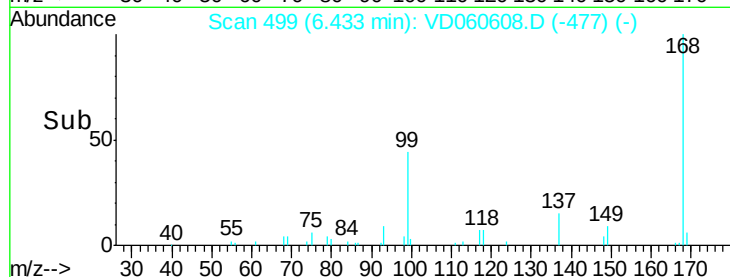
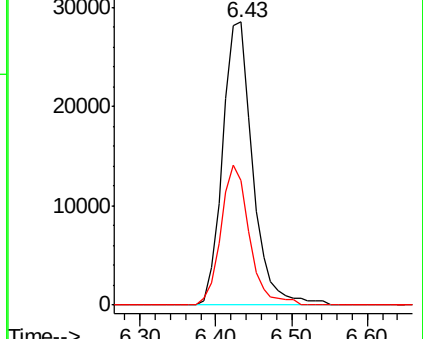
168 100

99 44.2 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.486 ug/l

RT: 2.14 min Scan# 63

Delta R.T. -0.03 min

Lab File: VD060608.D

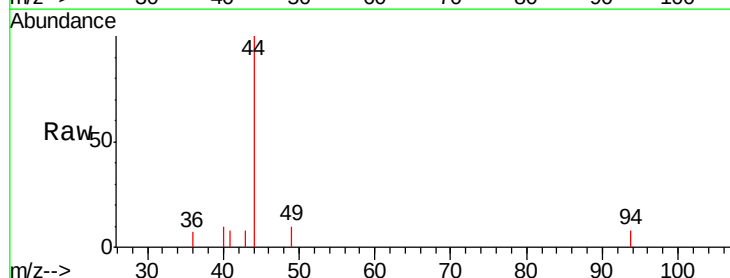
Acq: 17 Dec 2018 19:20

Tgt Ion: 94 Resp: 238

Ion Ratio Lower Upper

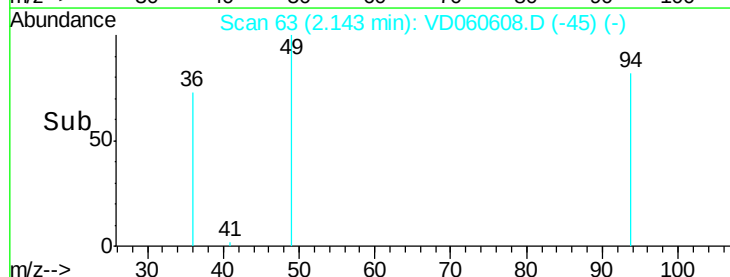
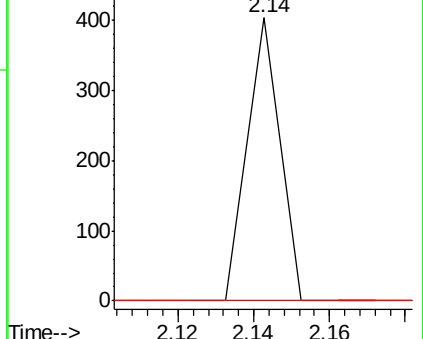
94 100

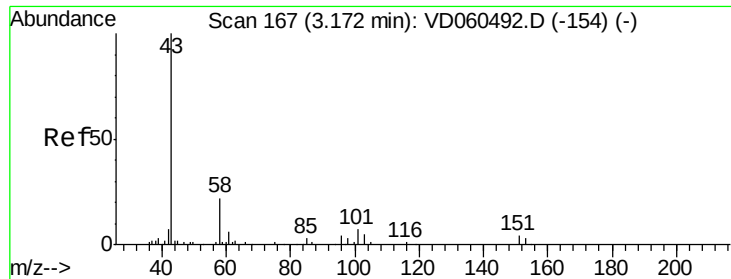
96 0.0 72.6 108.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

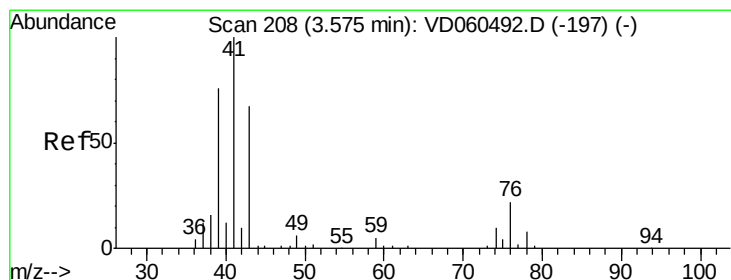
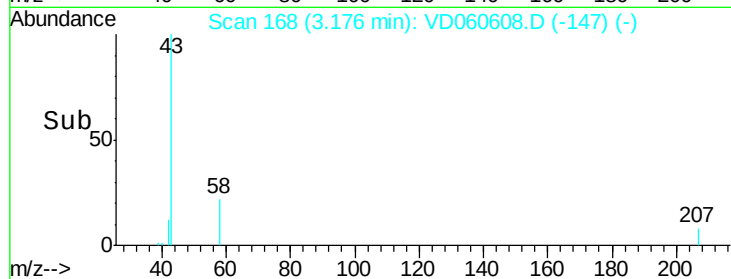
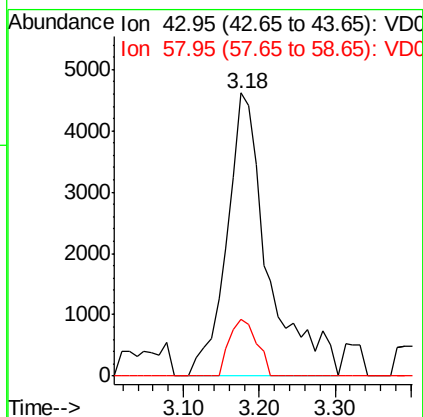
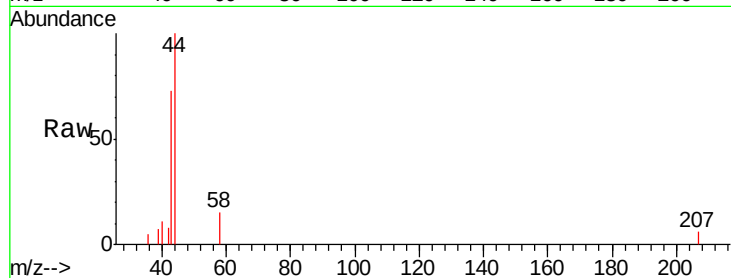




#16
Acetone
Concen: 196.052 ug/l
RT: 3.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VD060608.D
Acq: 17 Dec 2018 19:20

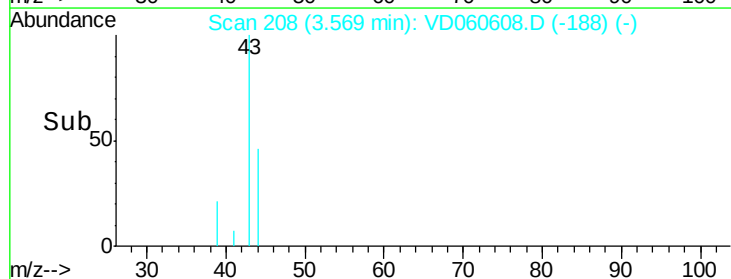
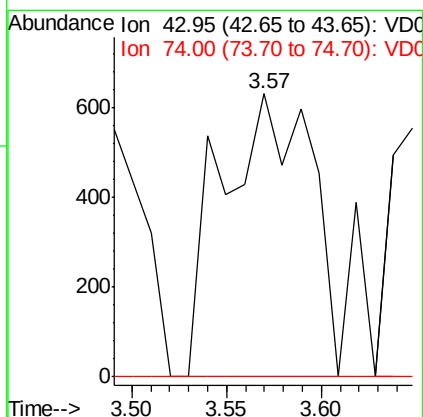
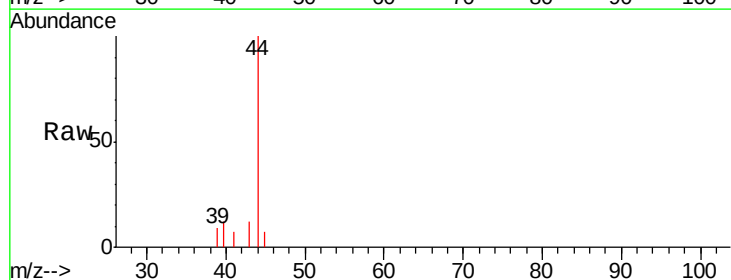
Instrument :
MSVOA_D
ClientSampleId :
EB02_1.5-3.5

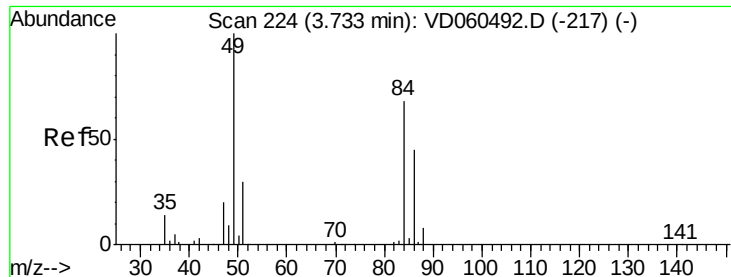
Tgt Ion: 43 Resp: 17388
Ion Ratio Lower Upper
43 100
58 20.0 17.3 25.9



#18
Methyl Acetate
Concen: 9.896 ug/l
RT: 3.57 min Scan# 208
Delta R.T. -0.01 min
Lab File: VD060608.D
Acq: 17 Dec 2018 19:20

Tgt Ion: 43 Resp: 2086
Ion Ratio Lower Upper
43 100
74 0.0 12.0 18.0#

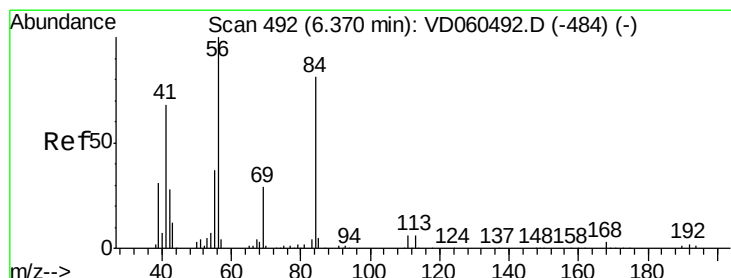
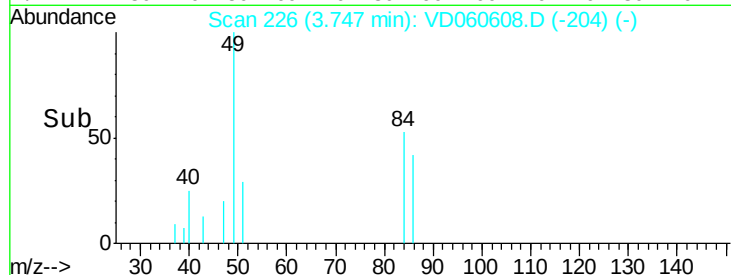
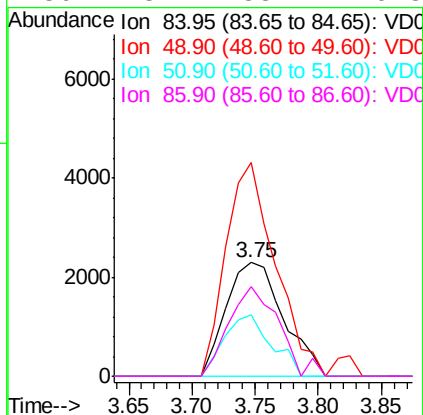
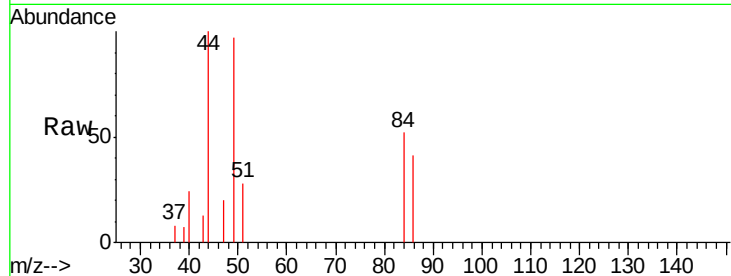




#20
Methylene Chloride
Concen: 4.809 ug/l
RT: 3.75 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD060608.D
Acq: 17 Dec 2018 19:20

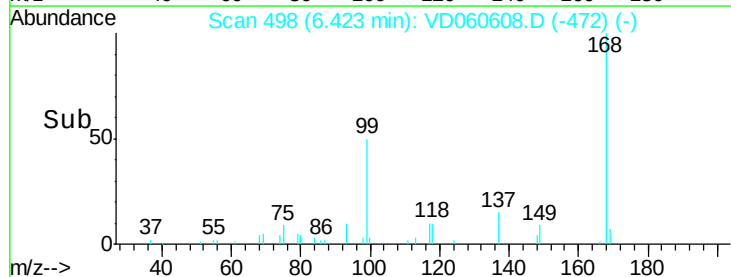
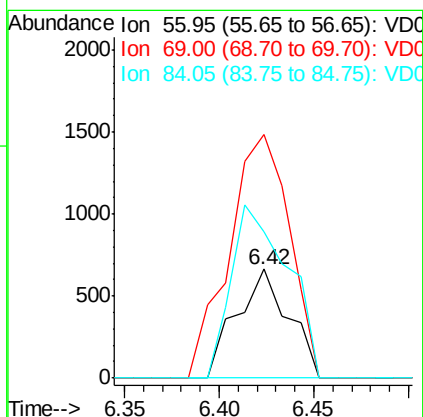
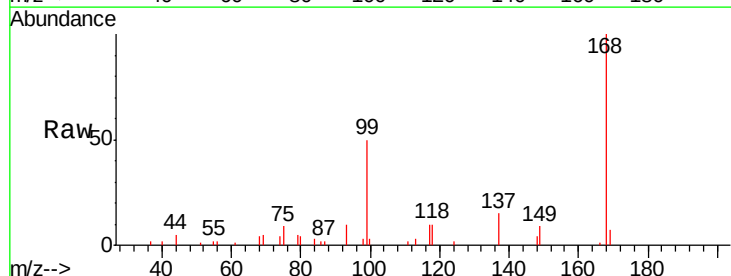
Instrument :
MSVOA_D
ClientSampleId :
EB02_1.5-3.5

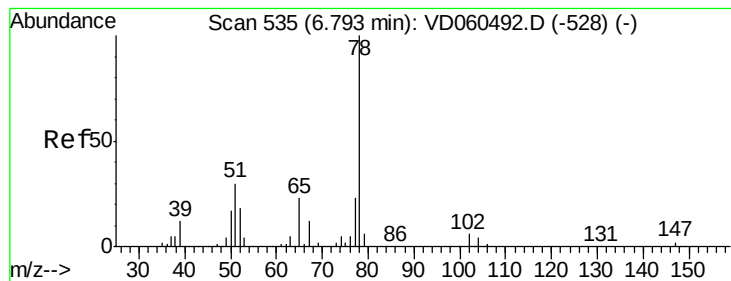
Tgt Ion: 84 Resp: 7208
Ion Ratio Lower Upper
84 100
49 187.7 117.2 175.8#
51 54.0 35.3 52.9#
86 78.4 53.2 79.8



#31
Cyclohexane
Concen: Below Cal
RT: 6.42 min Scan# 498
Delta R.T. 0.05 min
Lab File: VD060608.D
Acq: 17 Dec 2018 19:20

Tgt Ion: 56 Resp: 1263
Ion Ratio Lower Upper
56 100
69 223.8 22.8 34.2#
84 134.2 65.1 97.7#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.81 min Scan# 537

Delta R.T. 0.01 min

Lab File: VD060608.D

Acq: 17 Dec 2018 19:20

Instrument :

MSVOA_D

ClientSampleId :

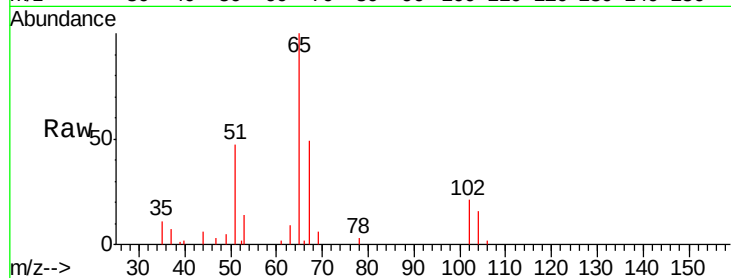
EB02_1.5-3.5

Tgt Ion: 65 Resp: 71591

Ion Ratio Lower Upper

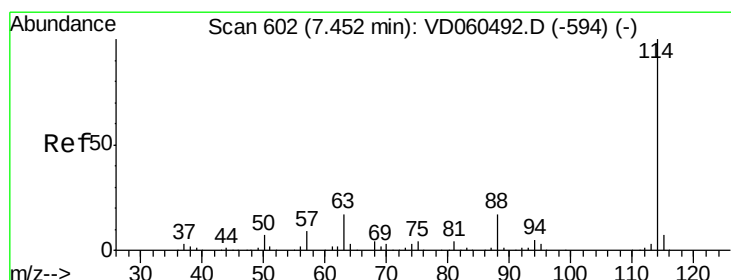
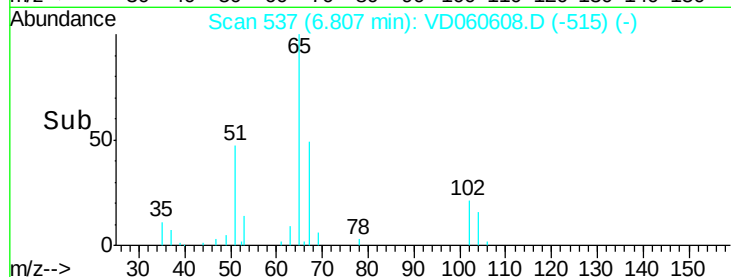
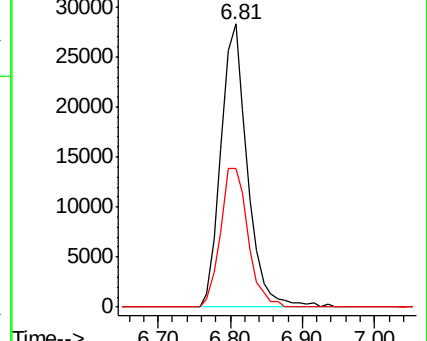
65 100

67 48.9 0.0 106.8



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: 7.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD060608.D

Acq: 17 Dec 2018 19:20

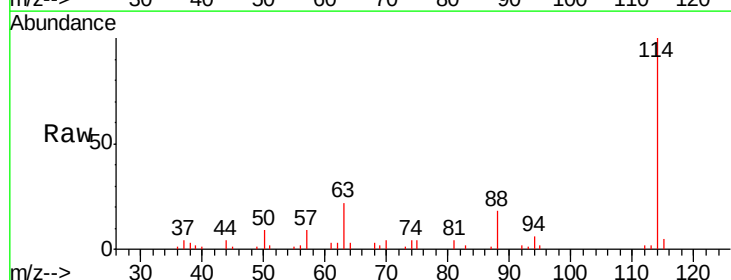
Tgt Ion: 114 Resp: 123104

Ion Ratio Lower Upper

114 100

63 21.7 0.0 34.2

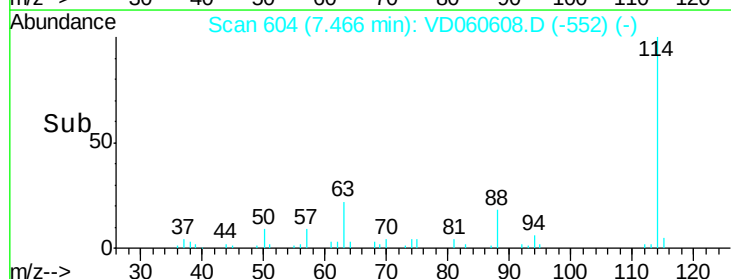
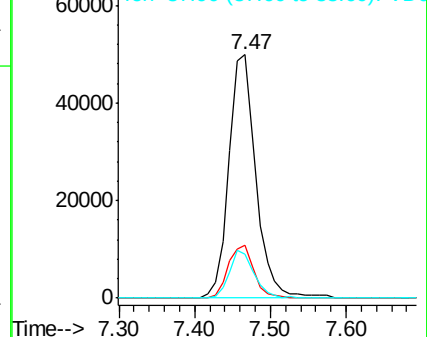
88 18.3 0.0 35.0

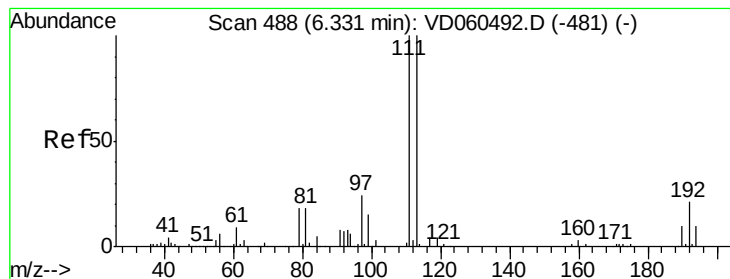


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.34 min Scan# 490

Delta R.T. 0.01 min

Lab File: VD060608.D

Acq: 17 Dec 2018 19:20

Instrument :

MSVOA_D

ClientSampleId :

EB02_1.5-3.5

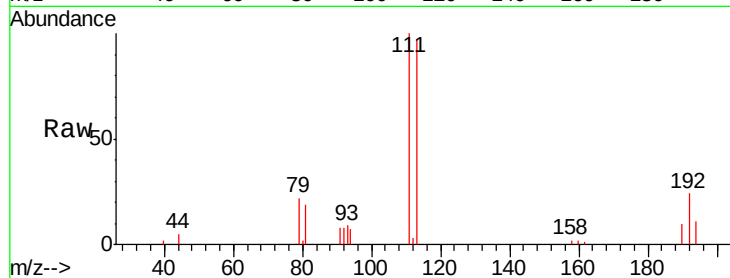
Tgt Ion:113 Resp: 66757

Ion Ratio Lower Upper

113 100

111 102.6 80.2 120.4

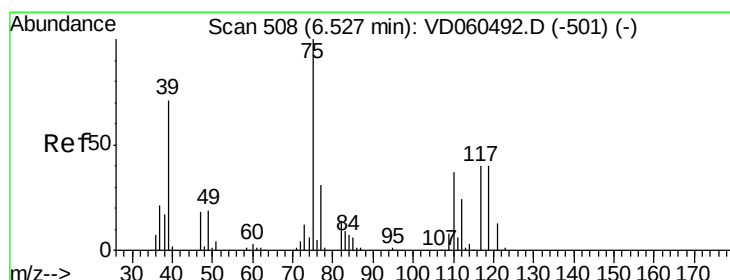
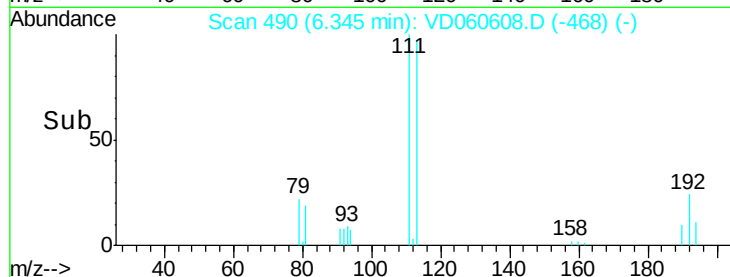
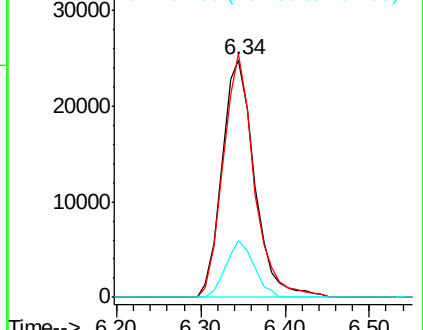
192 24.2 16.6 24.8



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: 5.191 ug/l

RT: 6.42 min Scan# 498

Delta R.T. -0.10 min

Lab File: VD060608.D

Acq: 17 Dec 2018 19:20

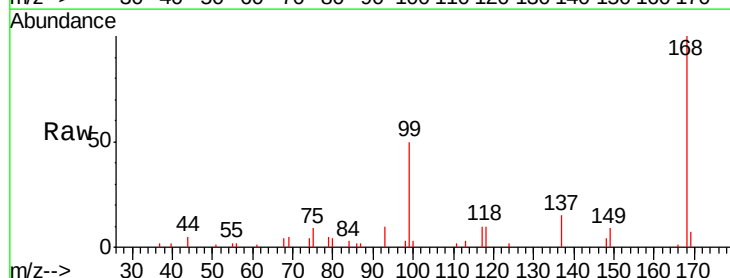
Tgt Ion: 75 Resp: 6246

Ion Ratio Lower Upper

75 100

110 0.0 18.3 54.8#

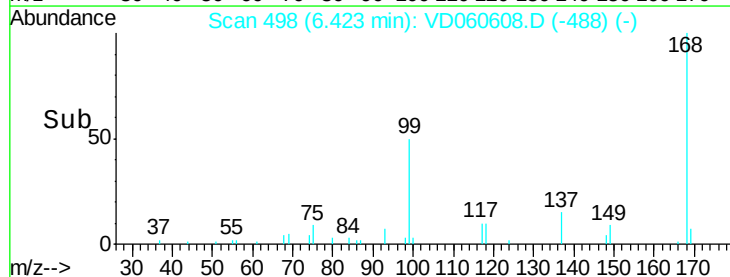
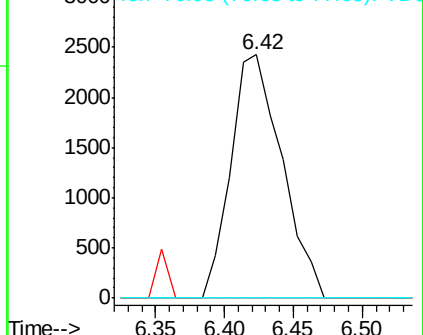
77 0.0 24.6 37.0#

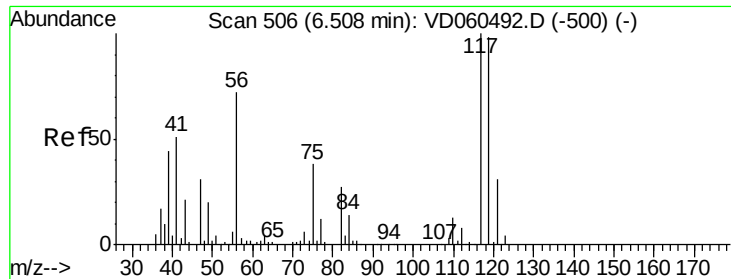


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

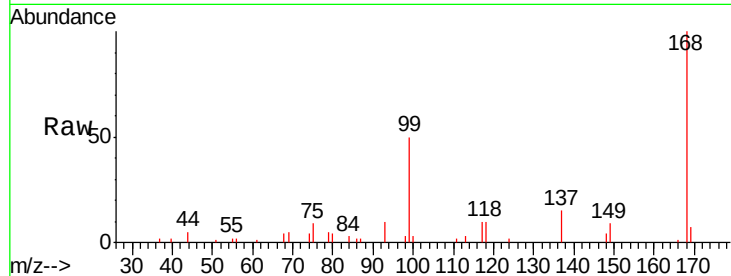




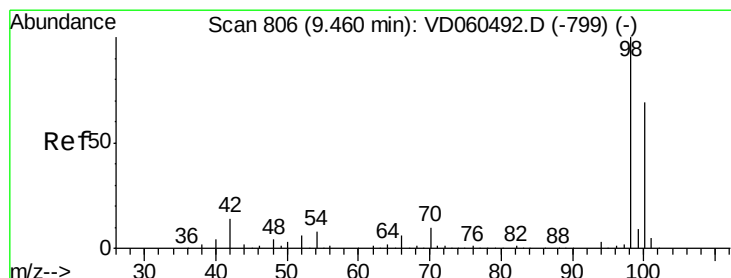
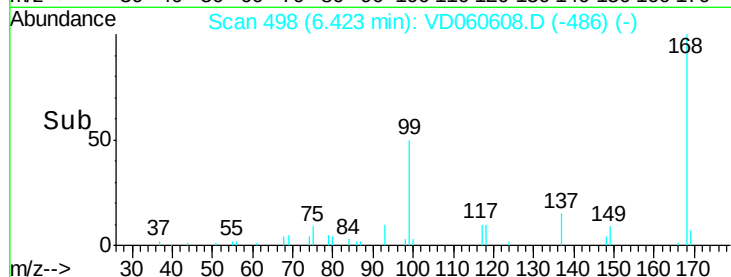
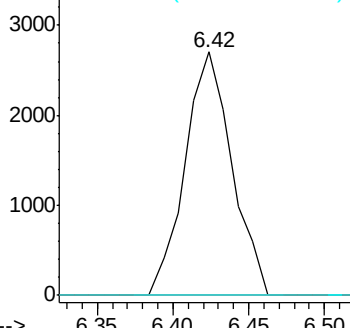
#38
Carbon Tetrachloride
Concen: 5.394 ug/l
RT: 6.42 min Scan# 498
Delta R.T. -0.08 min
Lab File: VD060608.D
Acq: 17 Dec 2018 19:20

Instrument :
MSVOA_D
ClientSampleId :
EB02_1.5-3.5

Tgt Ion: 117 Resp: 5827
Ion Ratio Lower Upper
117 100
119 0.0 76.8 115.2#
121 0.0 24.4 36.6#

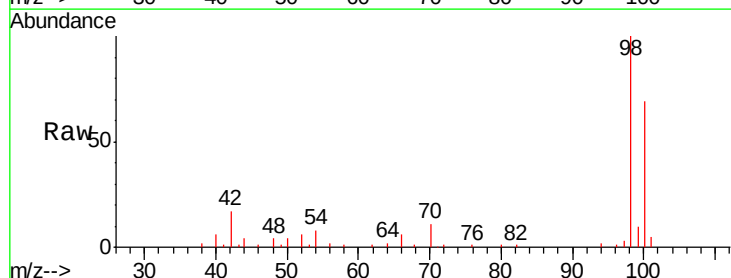


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

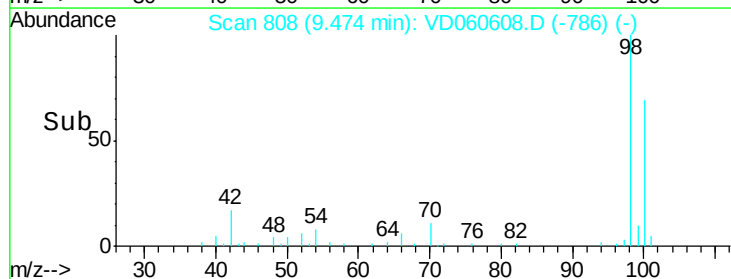
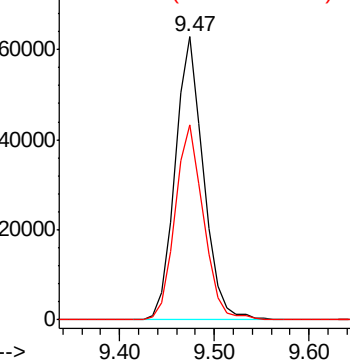


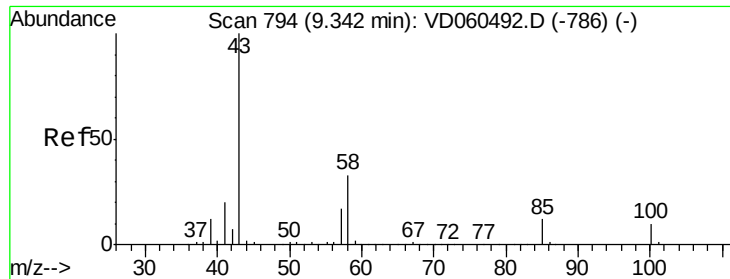
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.47 min Scan# 808
Delta R.T. 0.01 min
Lab File: VD060608.D
Acq: 17 Dec 2018 19:20

Tgt Ion: 98 Resp: 129198
Ion Ratio Lower Upper
98 100
100 68.7 55.7 83.5



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





#51

4-Methyl-2-Pentanone

Concen: 1.056 ug/l

RT: 9.47 min Scan# 808

Delta R.T. 0.13 min

Lab File: VD060608.D

Acq: 17 Dec 2018 19:20

Instrument :

MSVOA_D

ClientSampleId :

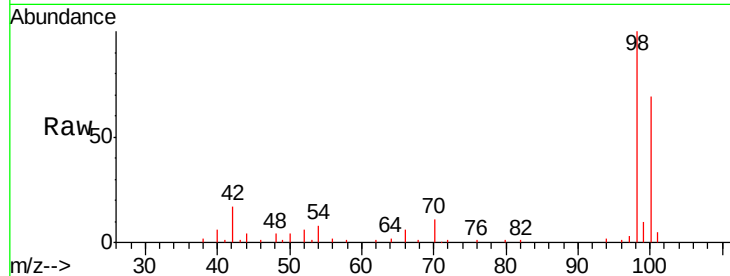
EB02_1.5-3.5

Tgt Ion: 43 Resp: 423

Ion Ratio Lower Upper

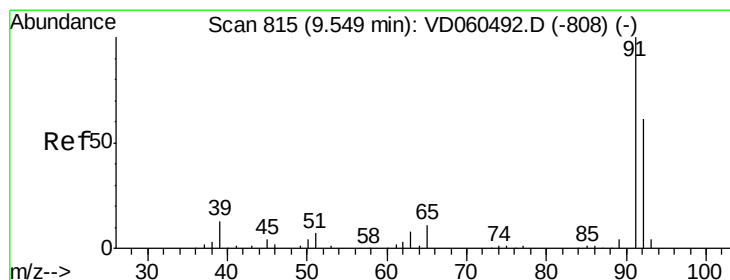
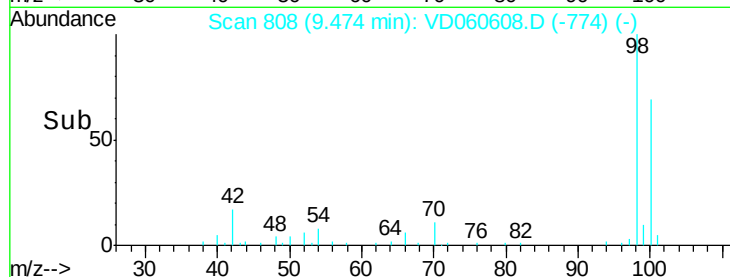
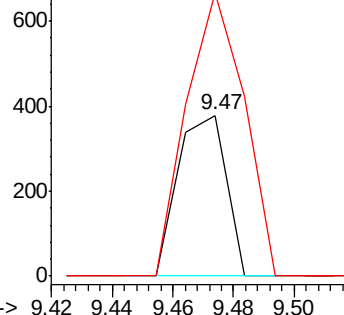
43 100

58 176.2 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 6.912 ug/l

RT: 9.56 min Scan# 817

Delta R.T. 0.01 min

Lab File: VD060608.D

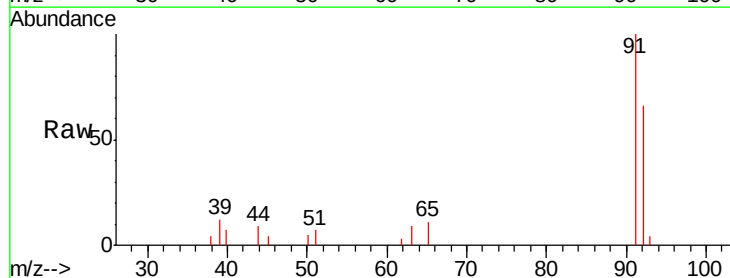
Acq: 17 Dec 2018 19:20

Tgt Ion: 92 Resp: 13286

Ion Ratio Lower Upper

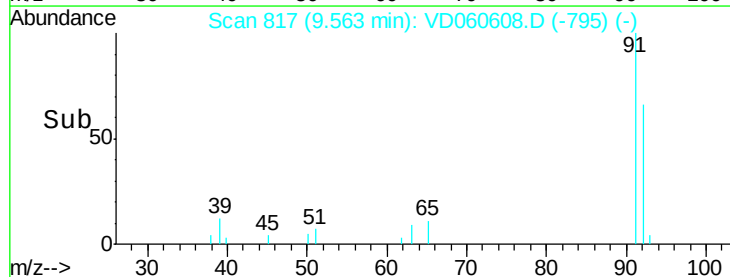
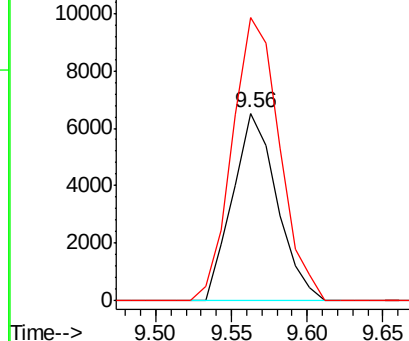
92 100

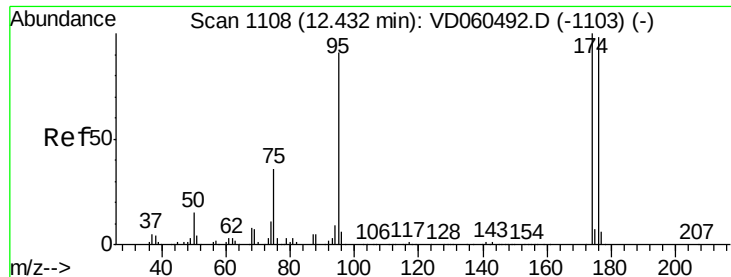
91 150.8 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VD060608.D

Acq: 17 Dec 2018 19:20

Instrument :

MSVOA_D

ClientSampleId :

EB02_1.5-3.5

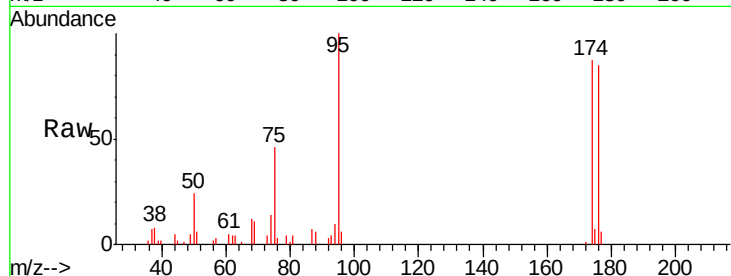
Tgt Ion: 95 Resp: 42834

Ion Ratio Lower Upper

95 100

174 86.9 0.0 219.4

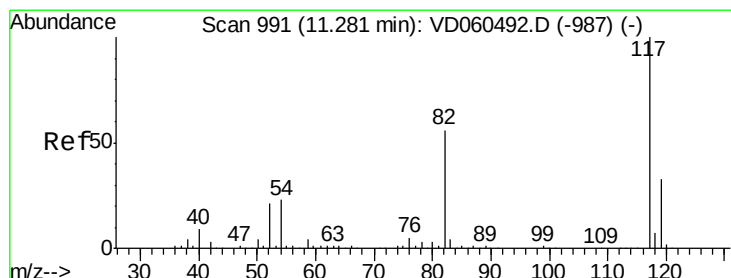
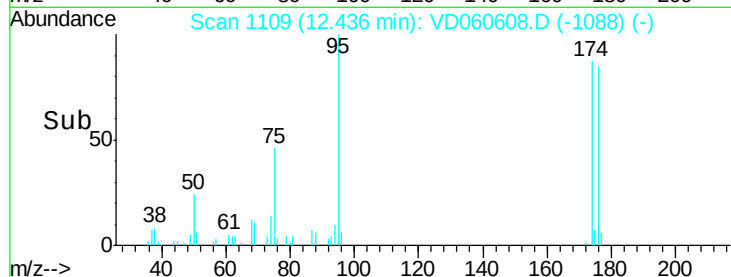
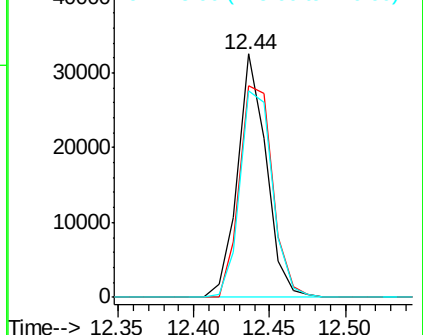
176 84.6 0.0 214.6



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: 11.29 min Scan# 993

Delta R.T. 0.01 min

Lab File: VD060608.D

Acq: 17 Dec 2018 19:20

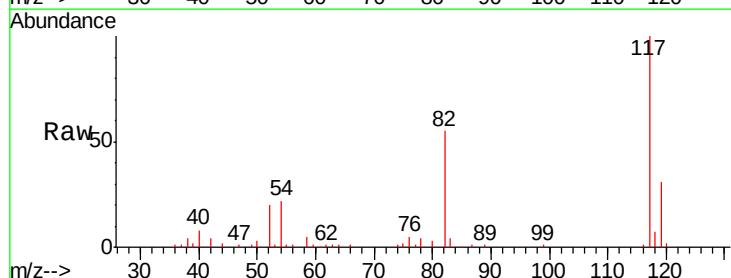
Tgt Ion: 117 Resp: 115218

Ion Ratio Lower Upper

117 100

82 54.5 45.2 67.8

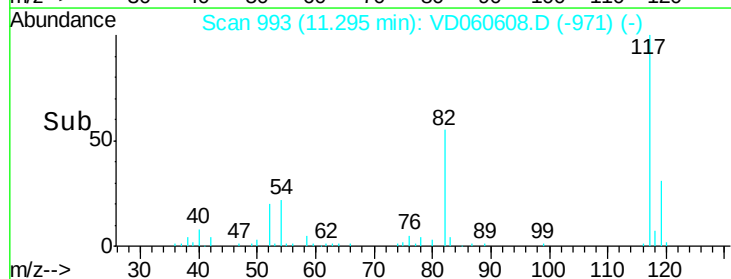
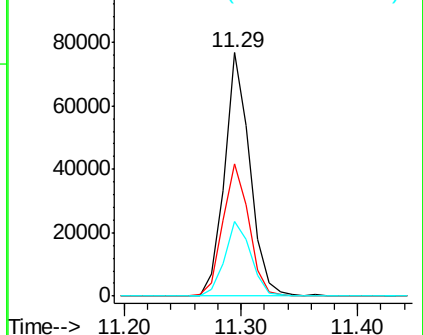
119 30.9 26.1 39.1

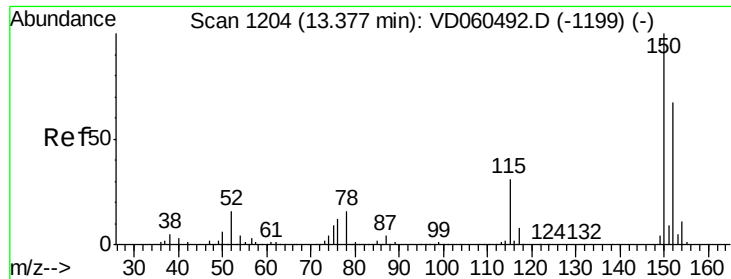


Abundance Ion 116.95 (116.65 to 117.65): V

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: 13.38 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD060608.D

Acq: 17 Dec 2018 19:20

Instrument :

MSVOA_D

ClientSampleId :

EB02_1.5-3.5

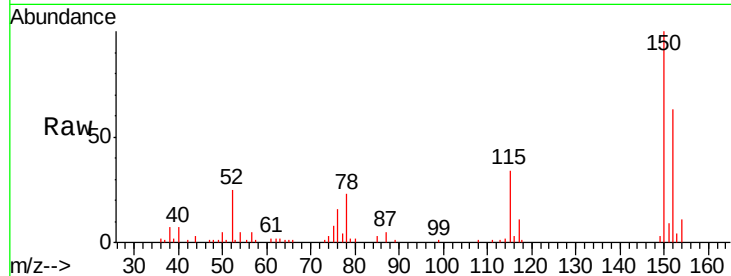
Tgt Ion:152 Resp: 43925

Ion Ratio Lower Upper

152 100

115 53.2 24.6 74.0

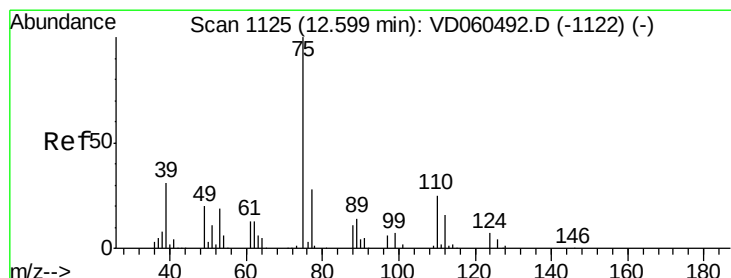
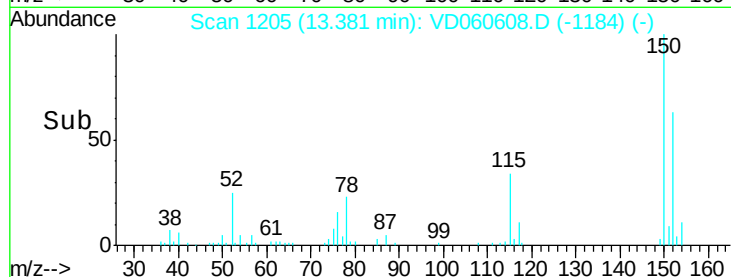
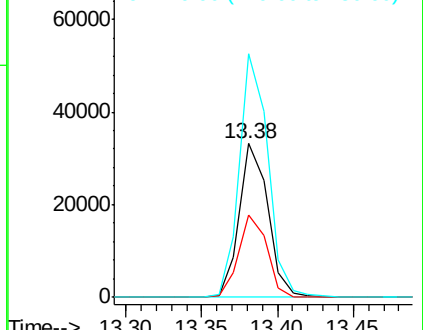
150 158.3 0.0 309.0



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: 38.397 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.16 min

Lab File: VD060608.D

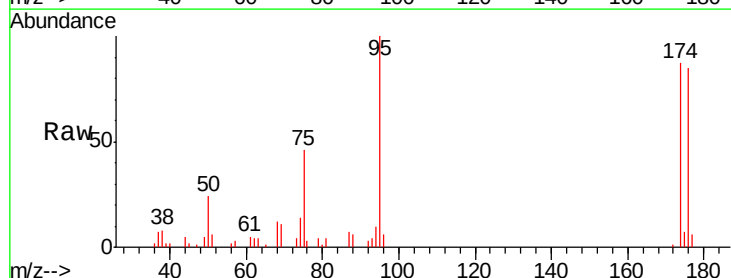
Acq: 17 Dec 2018 19:20

Tgt Ion: 75 Resp: 19110

Ion Ratio Lower Upper

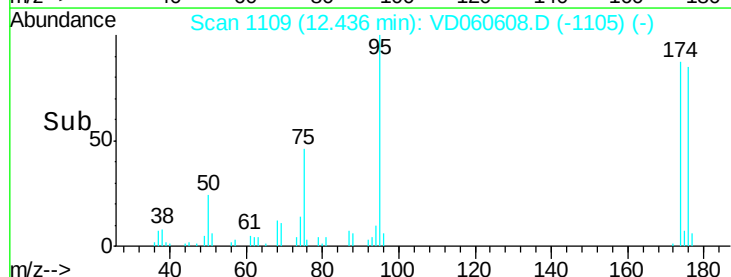
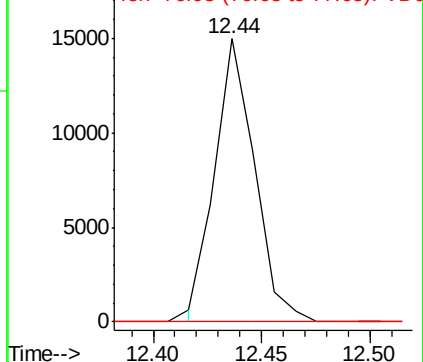
75 100

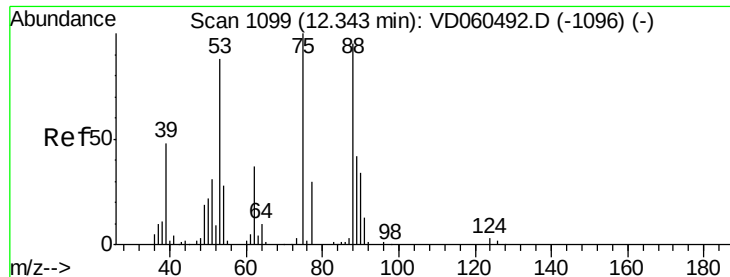
77 0.0 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 140.473 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.09 min

Lab File: VD060608.D

Acq: 17 Dec 2018 19:20

Instrument :

MSVOA_D

ClientSampleId :

EB02_1.5-3.5

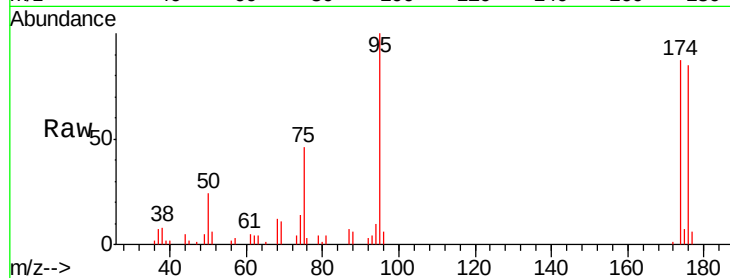
Tgt Ion: 75 Resp: 19499

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

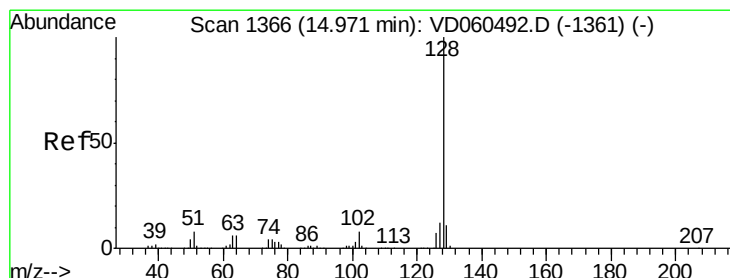
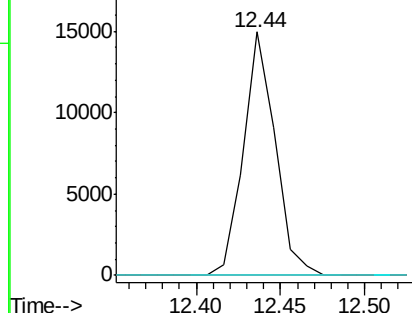
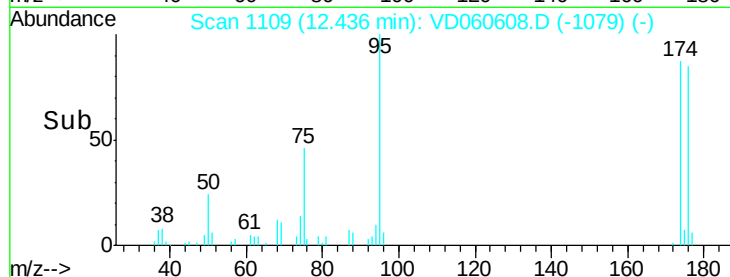
89 0.0 33.6 50.4#



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



#95

Naphthalene

Concen: 1.004 ug/l

RT: 14.98 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VD060608.D

Acq: 17 Dec 2018 19:20

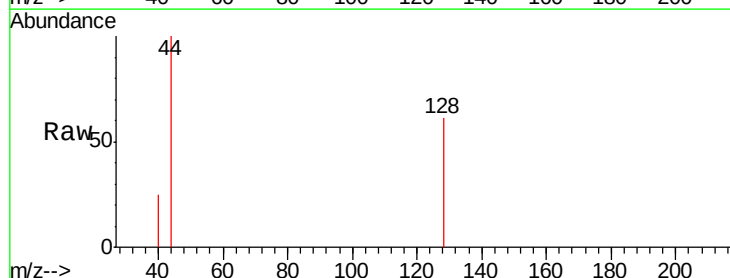
Tgt Ion: 128 Resp: 1129

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.8#

129 0.0 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

