

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121718\
 Data File : VD060604.D
 Acq On : 17 Dec 2018 17:27
 Operator : VA/AP
 Sample : J6424-04
 Misc : 4.77g/5ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EB09_12-14

Quant Time: Dec 18 11:17:24 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	6.42	168	1342969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	1844143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1450462	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.38	152	757024	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	457331	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
35) Dibromofluoromethane	6.33	113	645359	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
50) Toluene-d8	9.47	98	1848534	47.16	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.32%	
62) 4-Bromofluorobenzene	12.44	95	629171	44.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.72%	

Target Compounds

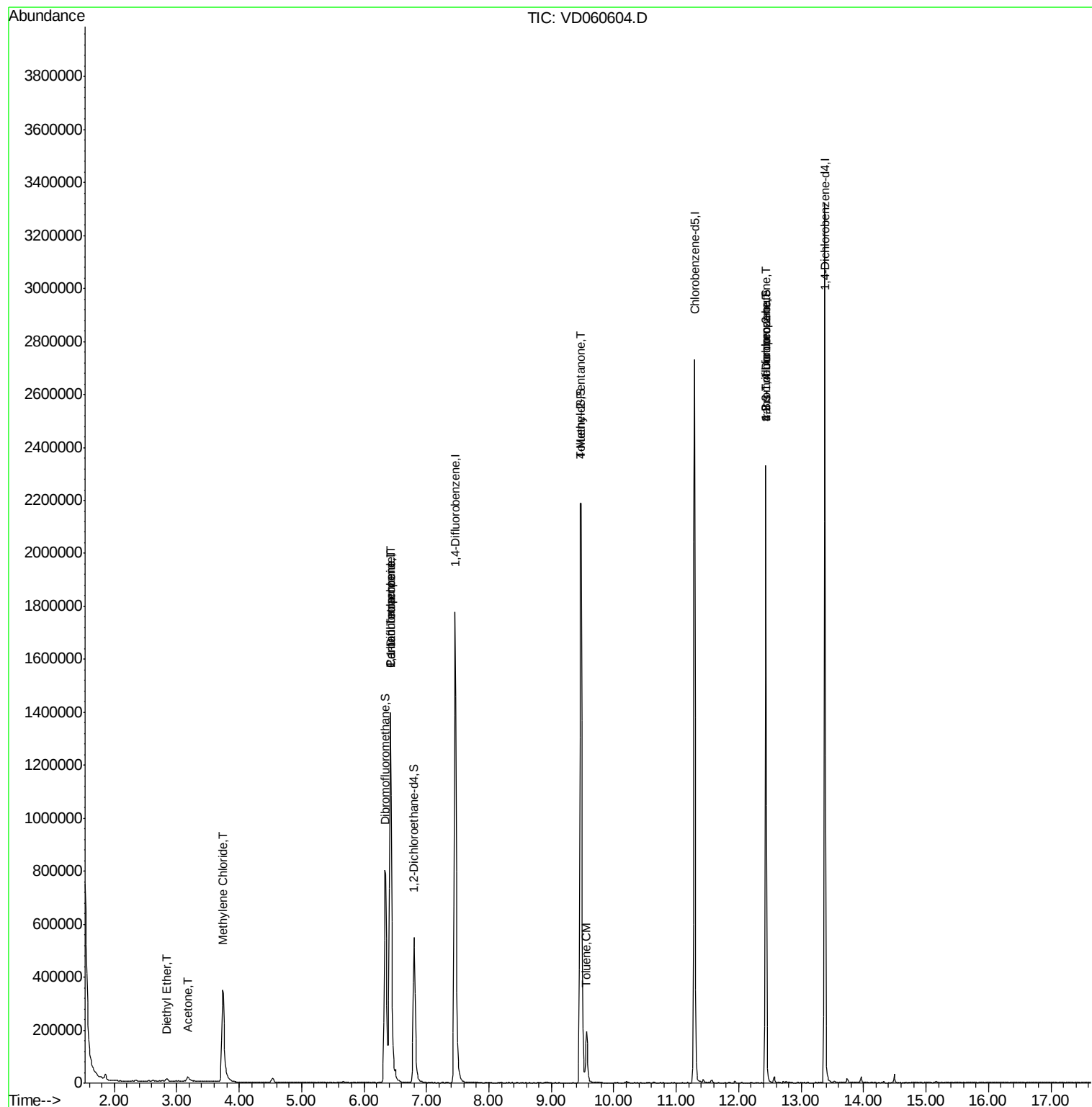
					Qvalue
8) Diethyl Ether	2.84	74	3308	1.506 ug/l	92
16) Acetone	3.18	43	36589	23.980 ug/l	92
20) Methylene Chloride	3.74	84	234947	13.505 ug/l	97
31) Cyclohexane	6.42	56	25906	Below Cal #	1
36) 1,1-Dichloropropene	6.42	75	94155	5.223 ug/l #	47
38) Carbon Tetrachloride	6.42	117	101460	6.270 ug/l #	16
51) 4-Methyl-2-Pentanone	9.46	43	9966	1.660 ug/l #	1
52) Toluene	9.56	92	94009	3.265 ug/l	99
76) 1,2,3-Trichloropropane	12.44	75	250491	29.203 ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.44	75	263517	110.151 ug/l #	14
89) n-Butylbenzene	13.66	91	547	Below Cal #	29

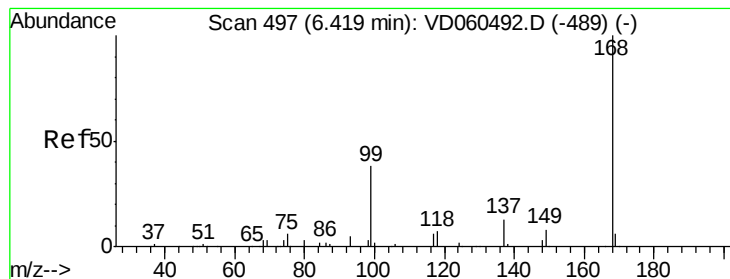
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD121718\
Data File : VD060604.D
Acq On : 17 Dec 2018 17:27
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EB09_12-14

Quant Time: Dec 18 11:17:24 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: 6.42 min Scan# 498

Delta R.T. 0.00 min

Lab File: VD060604.D

Acq: 17 Dec 2018 17:27

Instrument :

MSVOA_D

ClientSampleId :

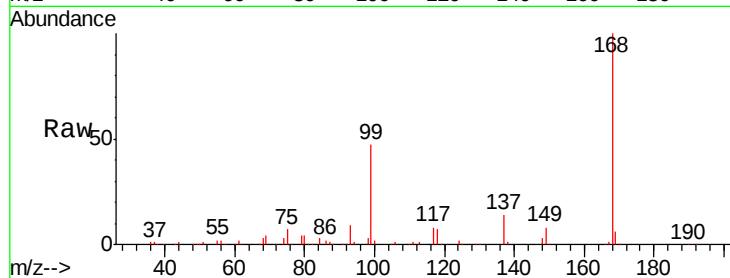
EB09_12-14

Tgt Ion:168 Resp: 1342969

Ion Ratio Lower Upper

168 100

99 47.1 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

500000

400000

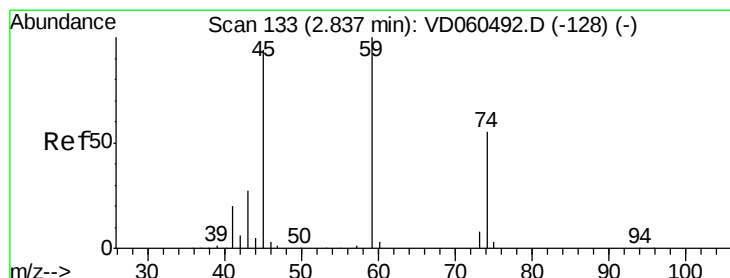
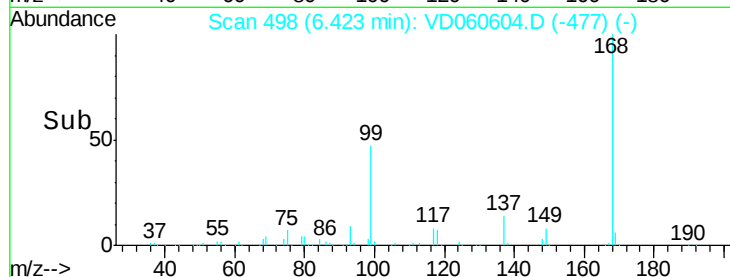
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 1.506 ug/l

RT: 2.84 min Scan# 134

Delta R.T. 0.00 min

Lab File: VD060604.D

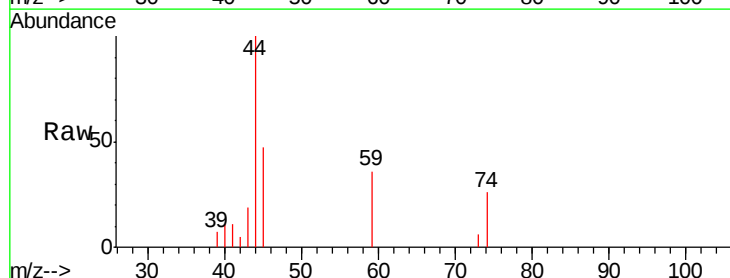
Acq: 17 Dec 2018 17:27

Tgt Ion: 74 Resp: 3308

Ion Ratio Lower Upper

74 100

45 182.5 86.0 258.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

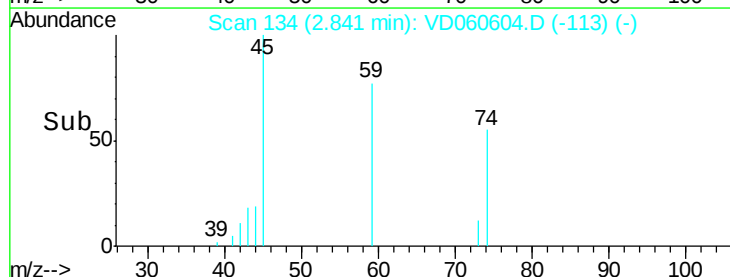
3000

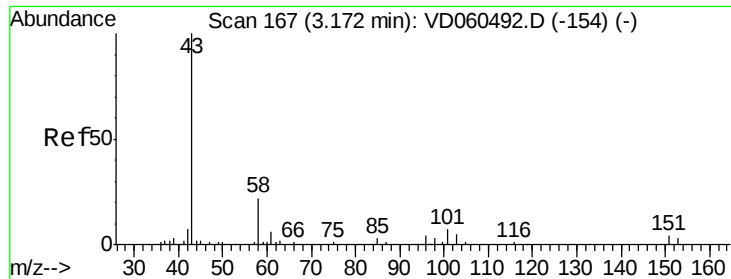
2000

1000

0

Time-->

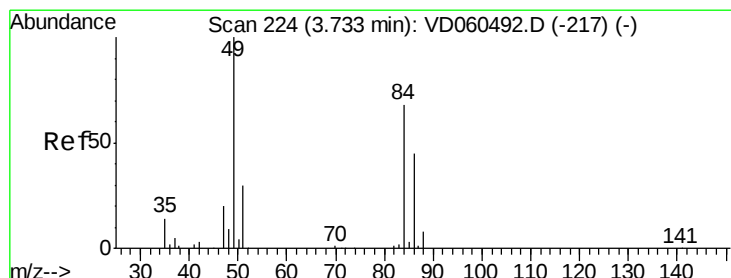
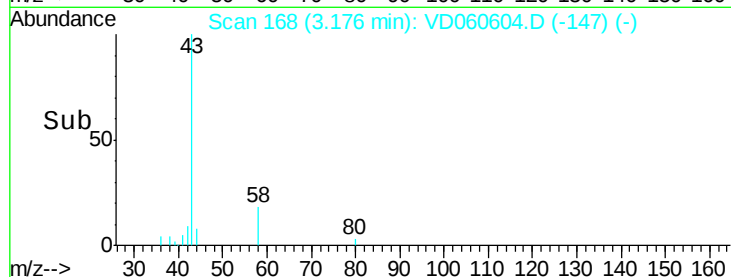
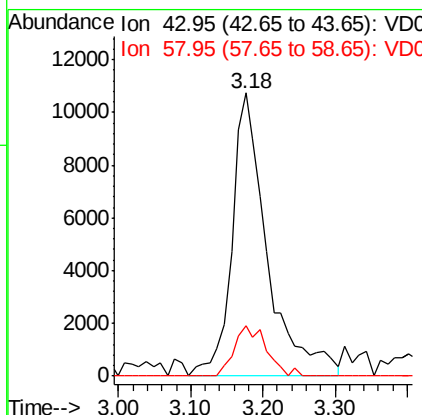
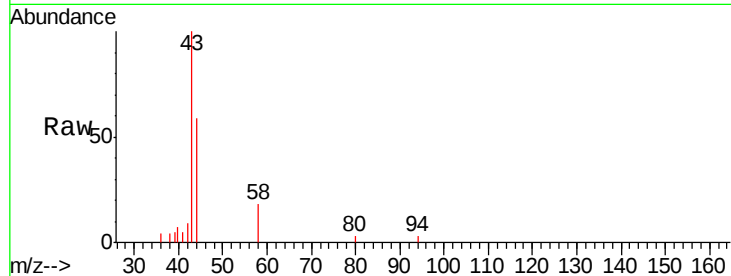




#16
Acetone
Concen: 23.980 ug/l
RT: 3.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VD060604.D
Acq: 17 Dec 2018 17:27

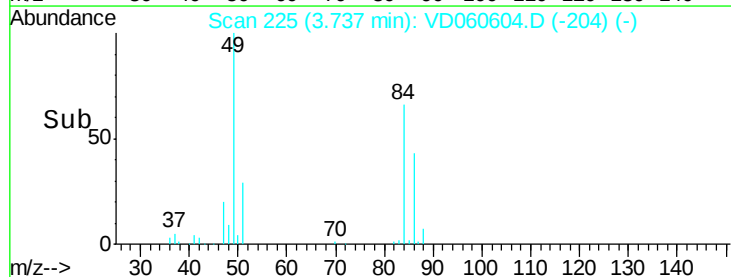
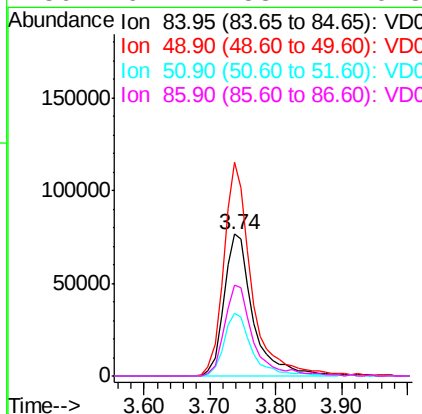
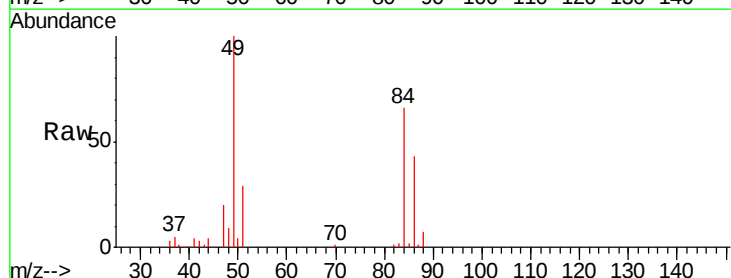
Instrument :
MSVOA_D
ClientSampleId :
EB09_12-14

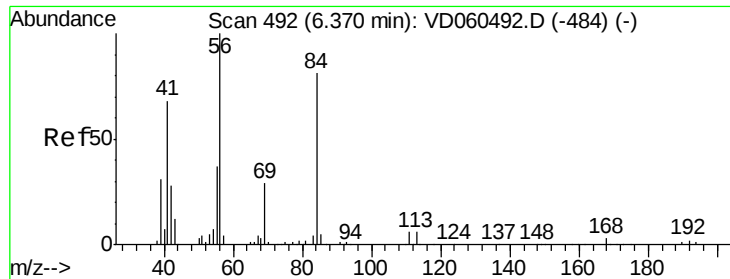
Tgt Ion: 43 Resp: 36589
Ion Ratio Lower Upper
43 100
58 17.8 17.3 25.9



#20
Methylene Chloride
Concen: 13.505 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD060604.D
Acq: 17 Dec 2018 17:27

Tgt Ion: 84 Resp: 234947
Ion Ratio Lower Upper
84 100
49 150.9 117.2 175.8
51 44.4 35.3 52.9
86 64.4 53.2 79.8

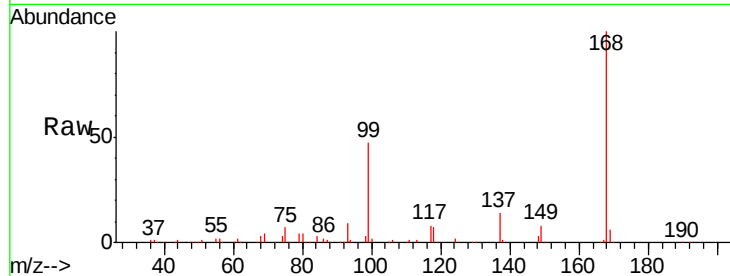




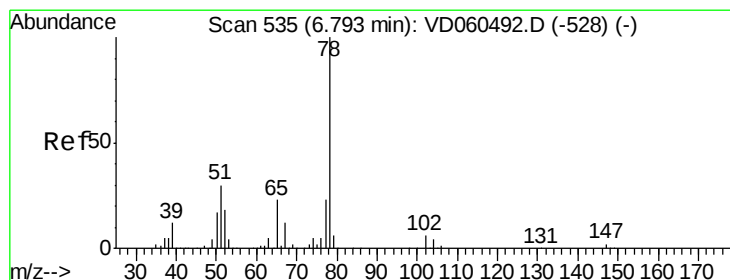
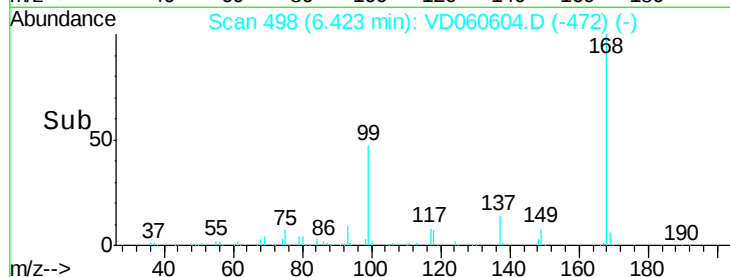
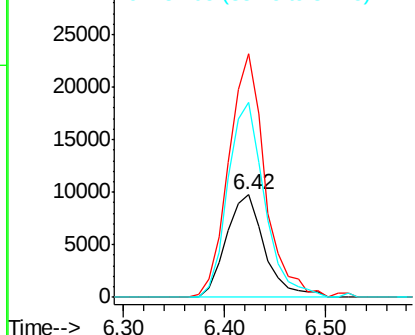
#31
Cyclohexane
Concen: Below Cal
RT: 6.42 min Scan# 498
Delta R.T. 0.05 min
Lab File: VD060604.D
Acq: 17 Dec 2018 17:27

Instrument :
MSVOA_D
ClientSampleId :
EB09_12-14

Tgt Ion: 56 Resp: 25906
Ion Ratio Lower Upper
56 100
69 236.9 22.8 34.2#
84 189.1 65.1 97.7#

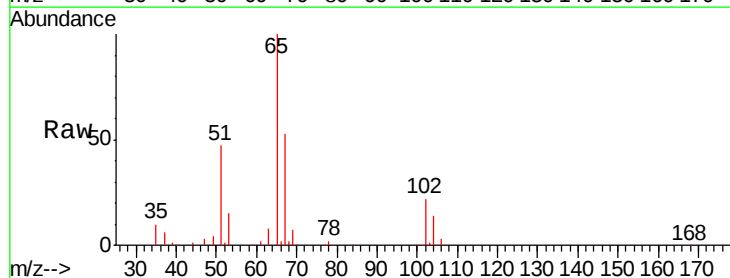


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

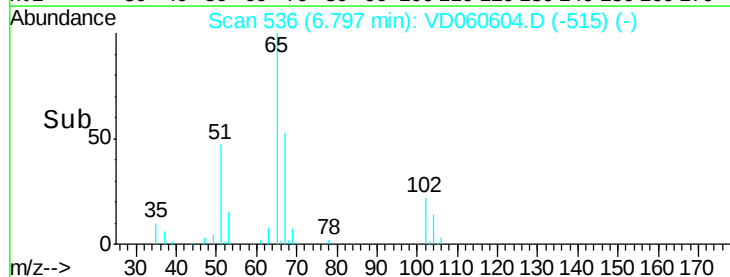
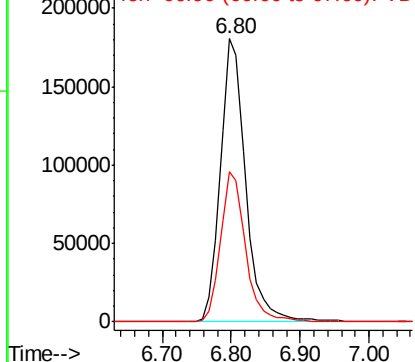


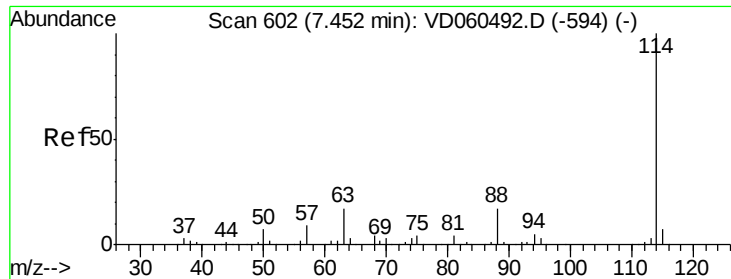
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.80 min Scan# 536
Delta R.T. 0.00 min
Lab File: VD060604.D
Acq: 17 Dec 2018 17:27

Tgt Ion: 65 Resp: 457331
Ion Ratio Lower Upper
65 100
67 52.9 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: 7.46 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD060604.D

Acq: 17 Dec 2018 17:27

Instrument :

MSVOA_D

ClientSampleId :

EB09_12-14

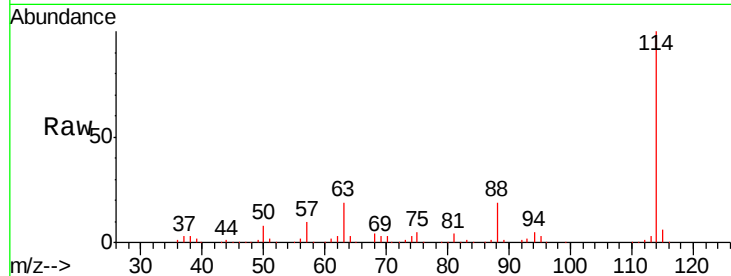
Tgt Ion:114 Resp: 1844143

Ion Ratio Lower Upper

114 100

63 18.7 0.0 34.2

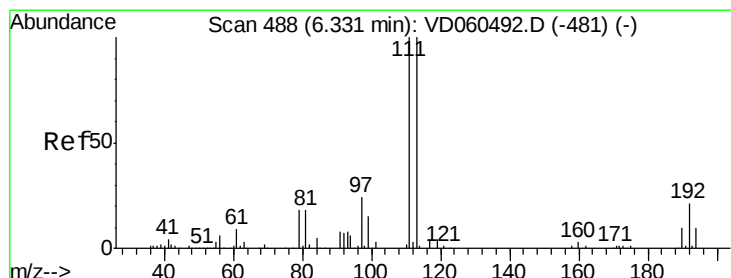
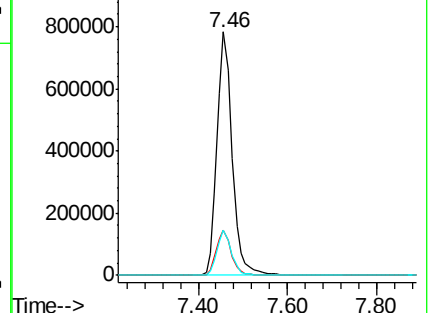
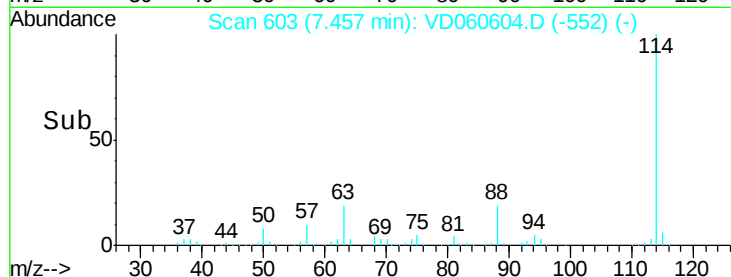
88 18.7 0.0 35.0



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: 6.33 min Scan# 489

Delta R.T. 0.00 min

Lab File: VD060604.D

Acq: 17 Dec 2018 17:27

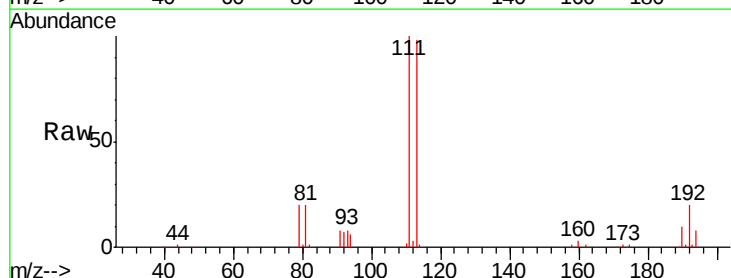
Tgt Ion:113 Resp: 645359

Ion Ratio Lower Upper

113 100

111 101.6 80.2 120.4

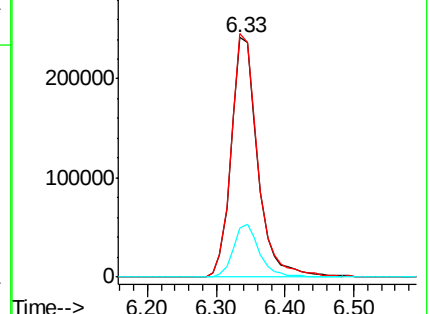
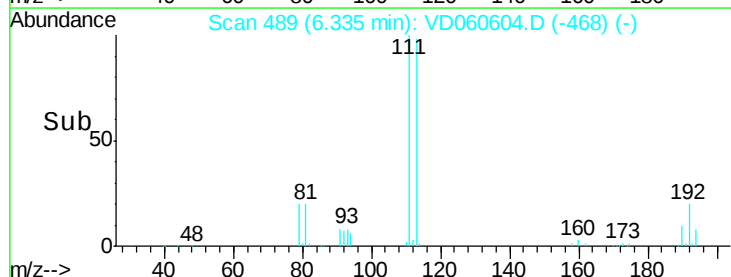
192 20.6 16.6 24.8

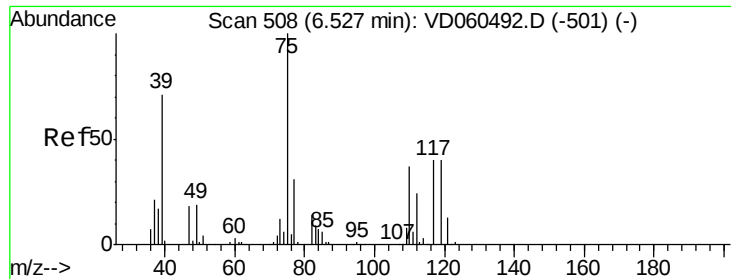


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

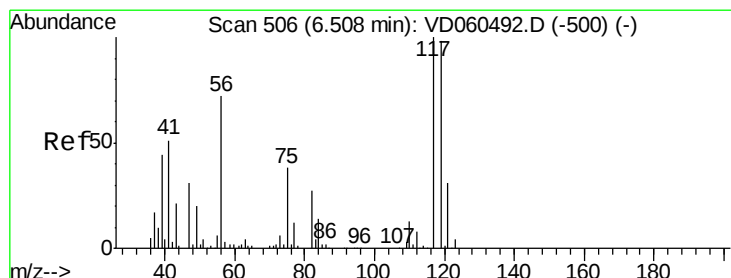
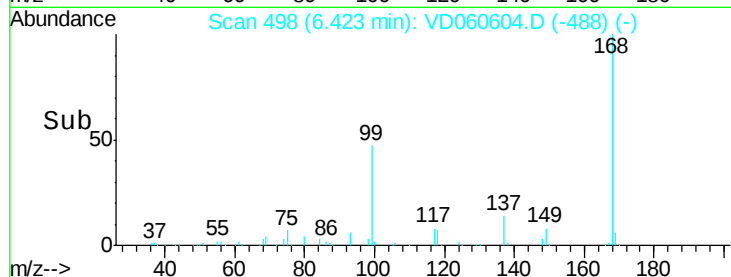
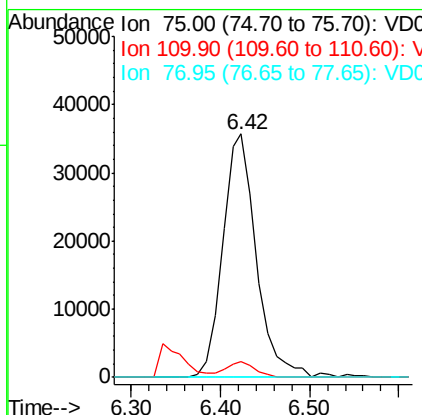
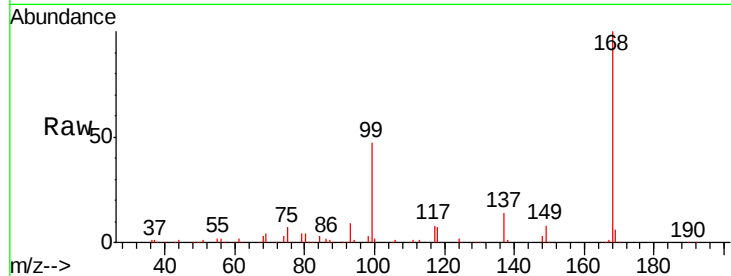




#36
 1,1-Dichloropropene
 Concen: 5.223 ug/l
 RT: 6.42 min Scan# 498
 Delta R.T. -0.10 min
 Lab File: VD060604.D
 Acq: 17 Dec 2018 17:27

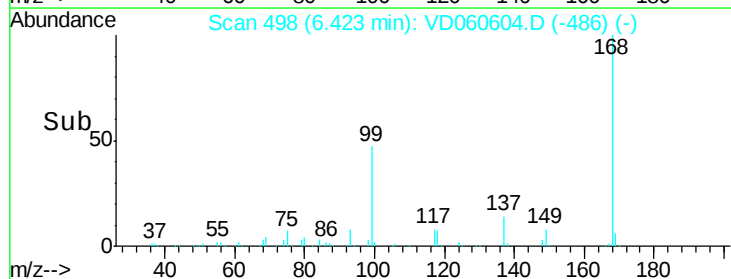
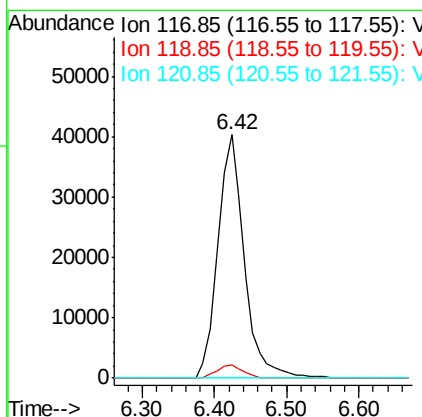
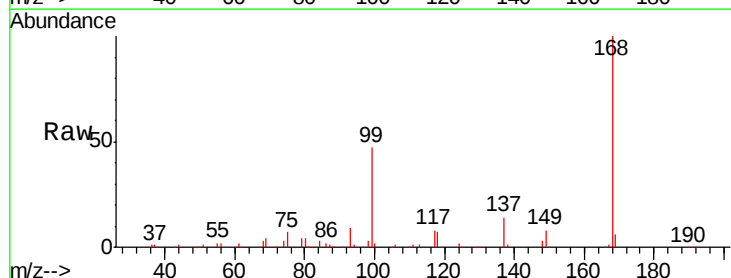
Instrument :
 MSVOA_D
 ClientSampleId :
 EB09_12-14

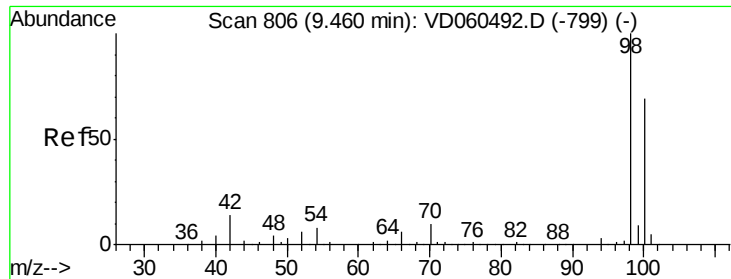
Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.7	18.3	54.8#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.270 ug/l
 RT: 6.42 min Scan# 498
 Delta R.T. -0.08 min
 Lab File: VD060604.D
 Acq: 17 Dec 2018 17:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.8	115.2#
121	0.0	24.4	36.6#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.47 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD060604.D

Acq: 17 Dec 2018 17:27

Instrument :

MSVOA_D

ClientSampleId :

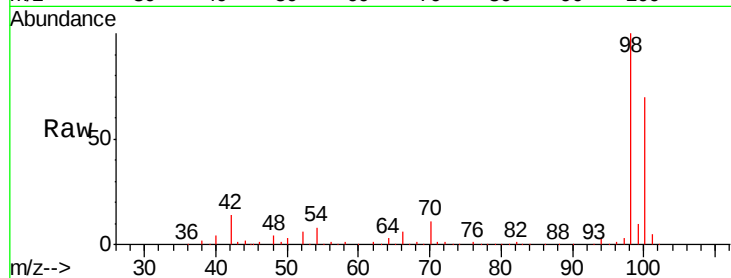
EB09_12-14

Tgt Ion: 98 Resp: 1848534

Ion Ratio Lower Upper

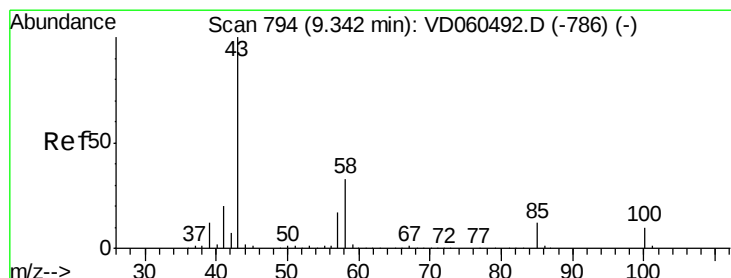
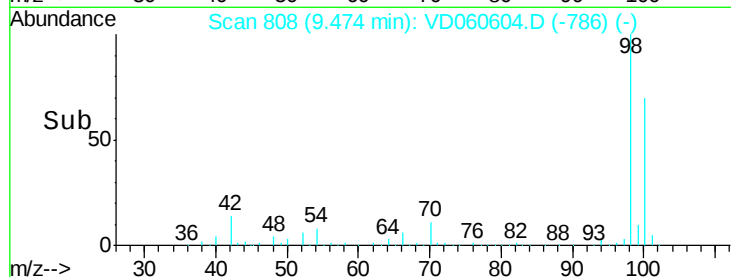
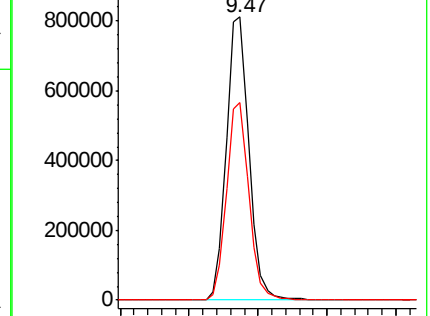
98 100

100 70.0 55.7 83.5



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: 1.660 ug/l

RT: 9.46 min Scan# 807

Delta R.T. 0.12 min

Lab File: VD060604.D

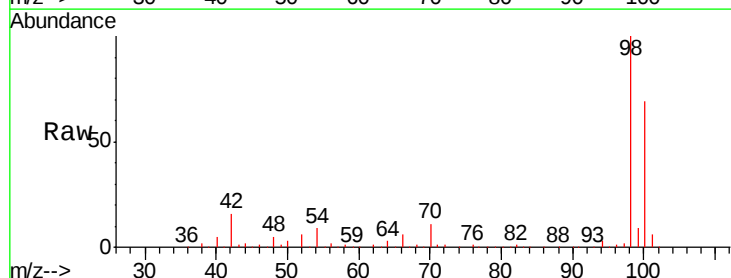
Acq: 17 Dec 2018 17:27

Tgt Ion: 43 Resp: 9966

Ion Ratio Lower Upper

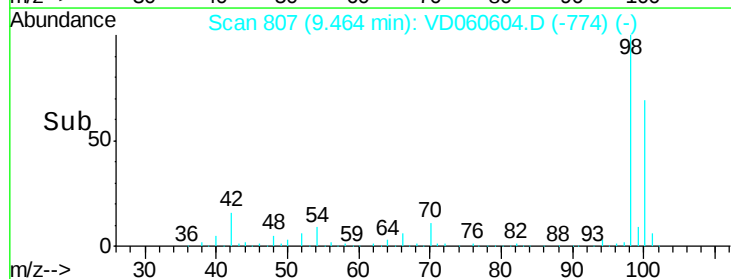
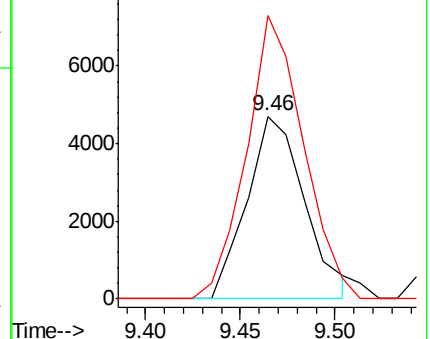
43 100

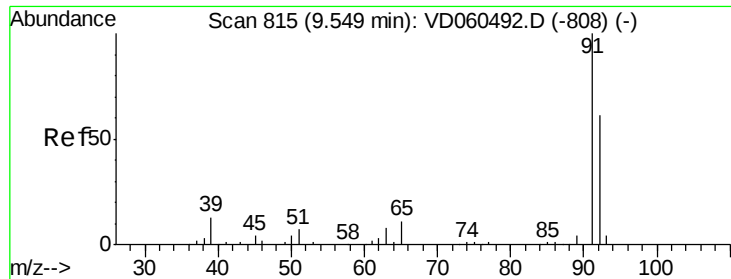
58 155.0 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#52

Toluene

Concen: 3.265 ug/l

RT: 9.56 min Scan# 817

Delta R.T. 0.01 min

Lab File: VD060604.D

Acq: 17 Dec 2018 17:27

Instrument :

MSVOA_D

ClientSampleId :

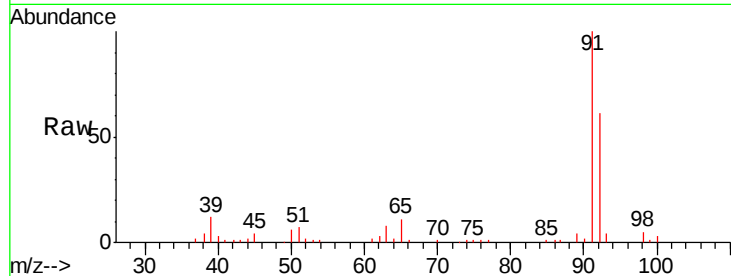
EB09_12-14

Tgt Ion: 92 Resp: 94009

Ion Ratio Lower Upper

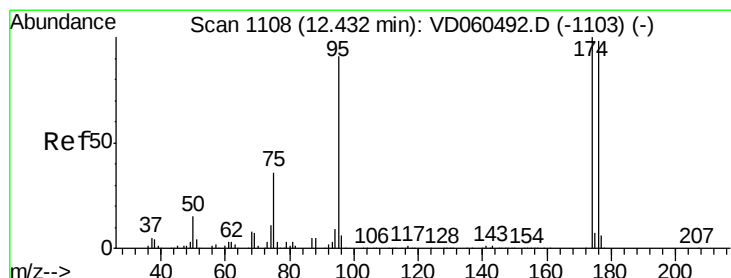
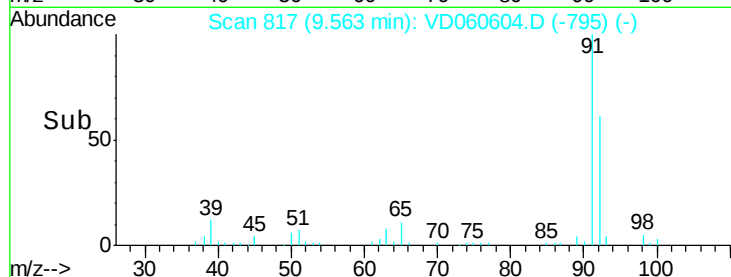
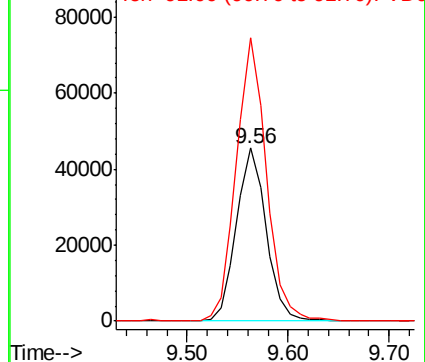
92 100

91 163.6 131.7 197.5



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: VD060604.D

Acq: 17 Dec 2018 17:27

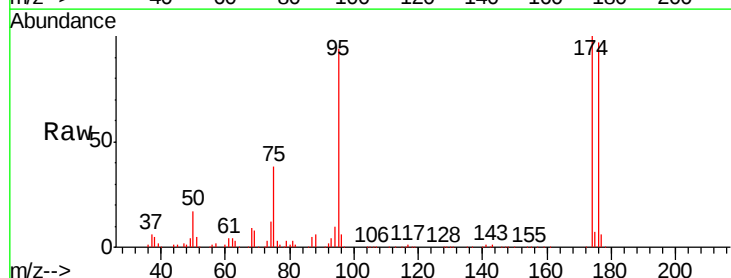
Tgt Ion: 95 Resp: 629171

Ion Ratio Lower Upper

95 100

174 106.5 0.0 219.4

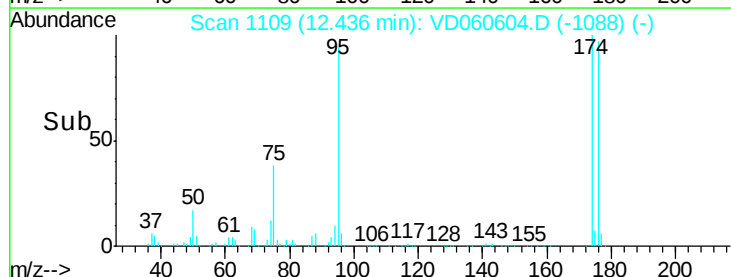
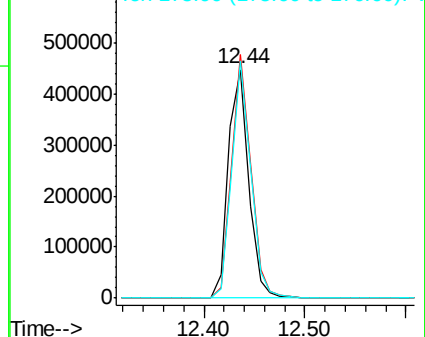
176 103.7 0.0 214.6

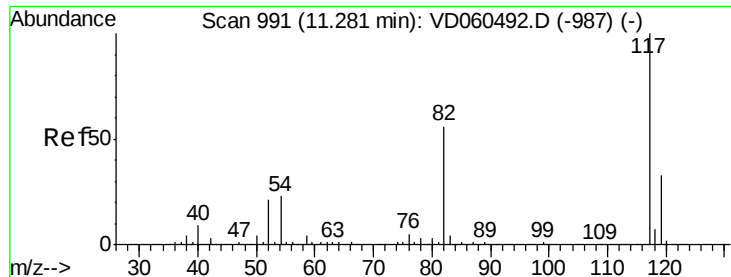


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

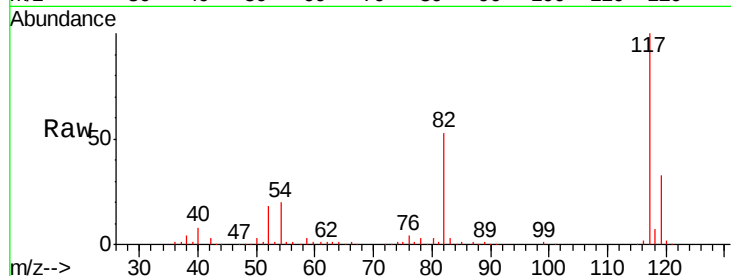




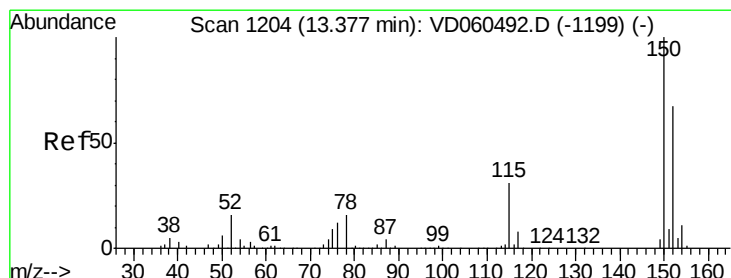
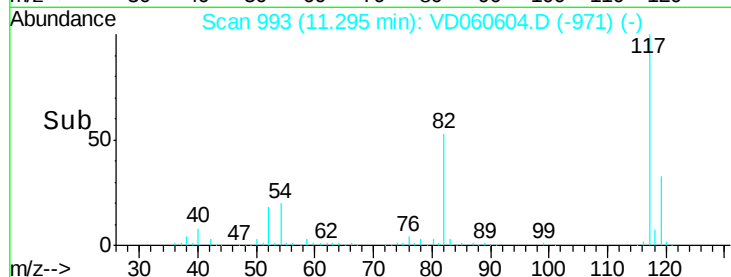
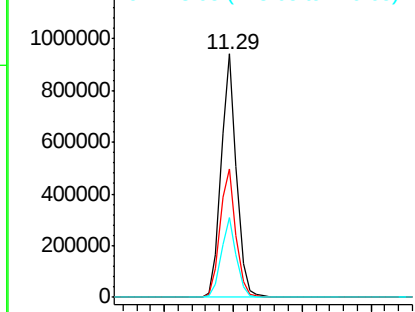
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 993
Delta R.T. 0.01 min
Lab File: VD060604.D
Acq: 17 Dec 2018 17:27

Instrument :
MSVOA_D
ClientSampleId :
EB09_12-14

Tgt Ion:117 Resp: 1450462
Ion Ratio Lower Upper
117 100
82 52.5 45.2 67.8
119 32.8 26.1 39.1

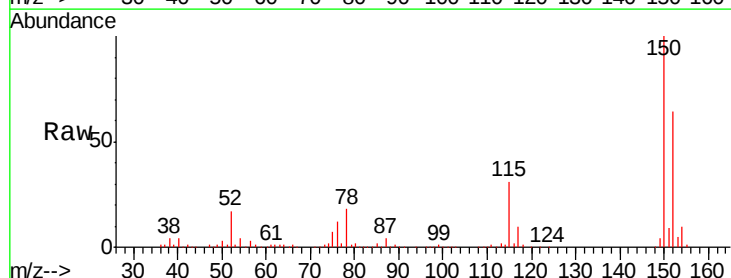


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

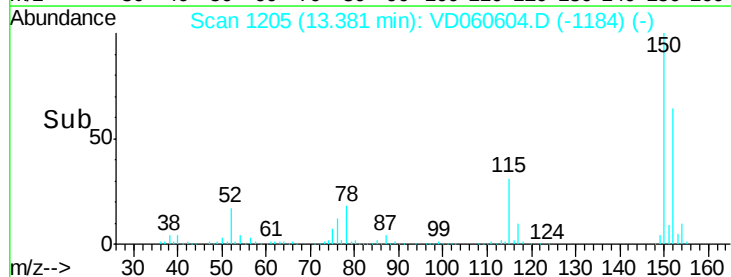
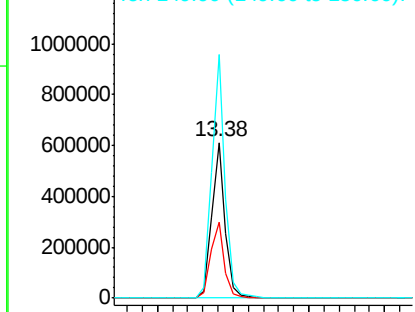


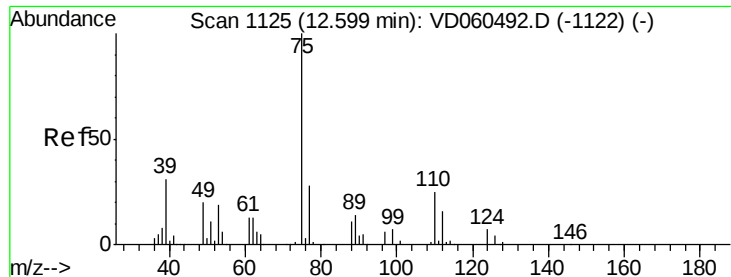
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. 0.00 min
Lab File: VD060604.D
Acq: 17 Dec 2018 17:27

Tgt Ion:152 Resp: 757024
Ion Ratio Lower Upper
152 100
115 48.4 24.6 74.0
150 156.2 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: 29.203 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.16 min

Lab File: VD060604.D

Acq: 17 Dec 2018 17:27

Instrument :

MSVOA_D

ClientSampleId :

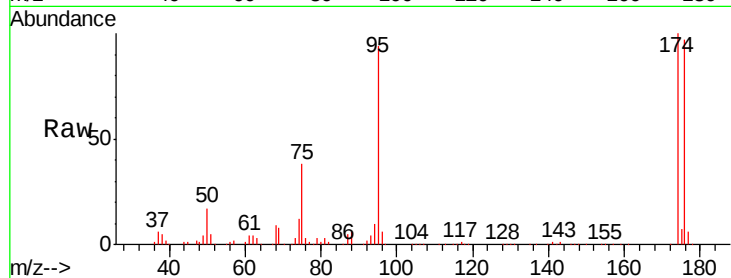
EB09_12-14

Tgt Ion: 75 Resp: 250491

Ion Ratio Lower Upper

75 100

77 1.6 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

12.44

200000

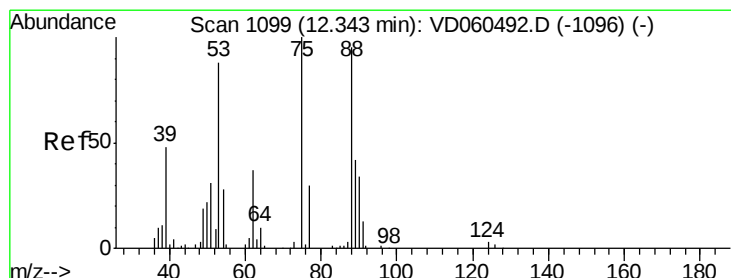
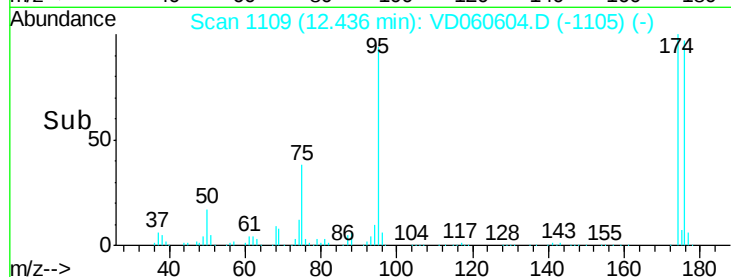
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 110.151 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.09 min

Lab File: VD060604.D

Acq: 17 Dec 2018 17:27

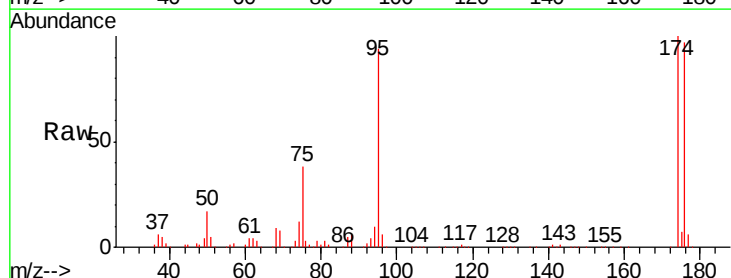
Tgt Ion: 75 Resp: 263517

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

250000

200000

150000

100000

50000

0

Time-->

