

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121718\
 Data File : VD060610.D
 Acq On : 17 Dec 2018 20:17
 Operator : VA/AP
 Sample : J6445-05
 Misc : 5.33g/5ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EB02_12-14

Quant Time: Dec 18 11:18:38 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	1367166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	1896839	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1595656	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	823917	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	494167	51.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.00%	
35) Dibromofluoromethane	6.34	113	671293	48.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.36%	
50) Toluene-d8	9.47	98	1918875	47.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.18%	
62) 4-Bromofluorobenzene	12.44	95	687074	47.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.26%	

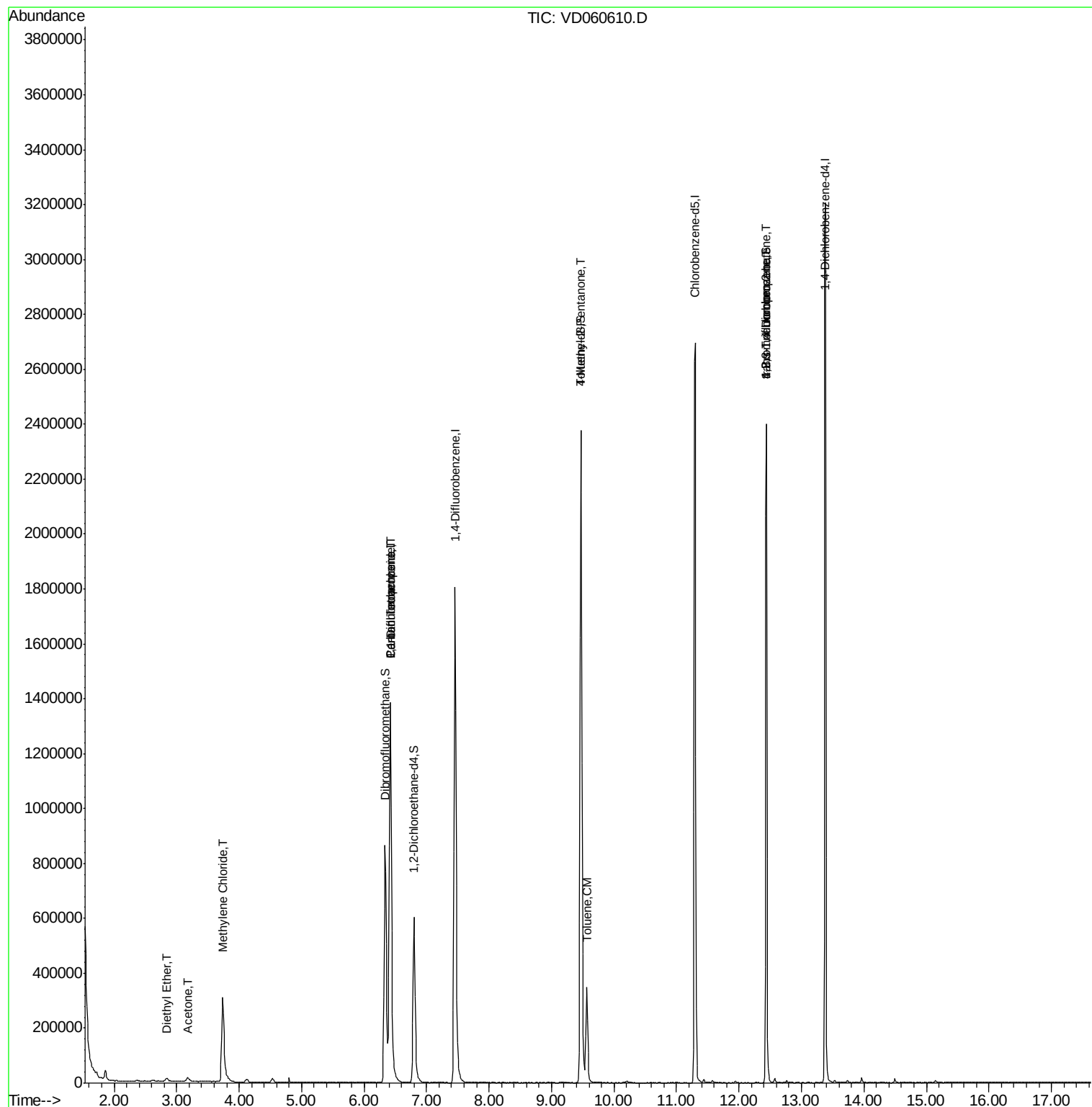
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.84	74	5116	2.288	ug/l	85
16) Acetone	3.18	43	35405	22.794	ug/l #	87
20) Methylene Chloride	3.74	84	201972	10.640	ug/l	97
31) Cyclohexane	6.42	56	26931	Below Cal	#	1
36) 1,1-Dichloropropene	6.42	75	100427	5.416	ug/l #	47
38) Carbon Tetrachloride	6.43	117	106104	6.374	ug/l #	15
51) 4-Methyl-2-Pentanone	9.47	43	10971	1.777	ug/l #	1
52) Toluene	9.56	92	176120	5.947	ug/l	97
76) 1,2,3-Trichloropropane	12.43	75	260640	27.919	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.43	75	290594	111.608	ug/l #	14
89) n-Butylbenzene	13.66	91	537	Below Cal	#	29

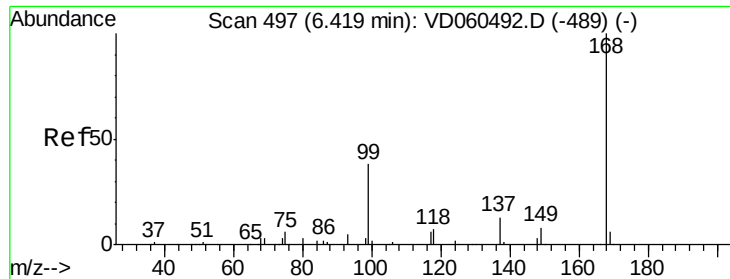
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 498

Delta R.T. 0.01 min

Lab File: VD060610.D

Acq: 17 Dec 2018 20:17

Instrument :

MSVOA_D

ClientSampleId :

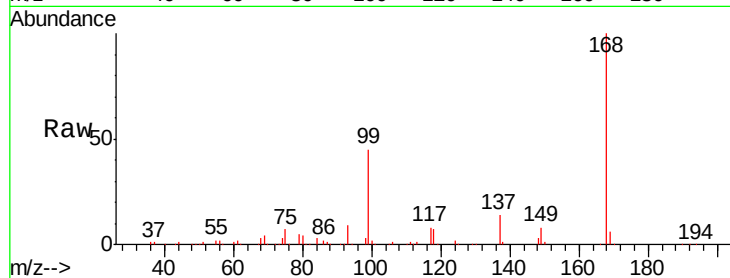
EB02_12-14

Tgt Ion:168 Resp: 1367166

Ion Ratio Lower Upper

168 100

99 44.7 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.43

500000

400000

300000

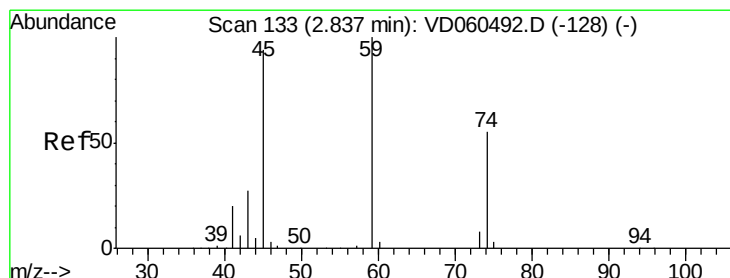
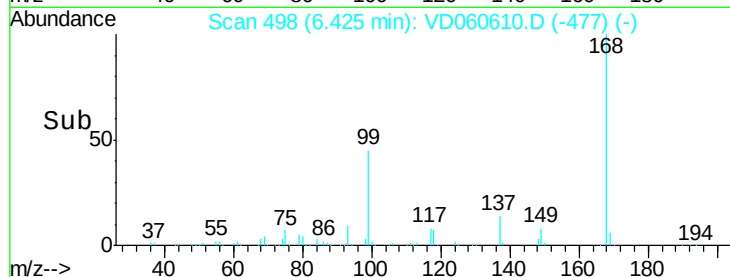
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#8

Diethyl Ether

Concen: 2.288 ug/l

RT: 2.84 min Scan# 134

Delta R.T. 0.01 min

Lab File: VD060610.D

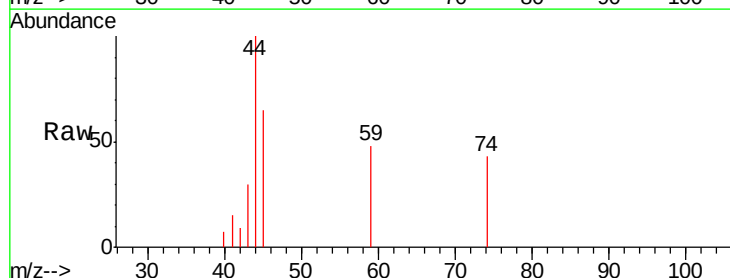
Acq: 17 Dec 2018 20:17

Tgt Ion: 74 Resp: 5116

Ion Ratio Lower Upper

74 100

45 151.6 86.0 258.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

4000

3000

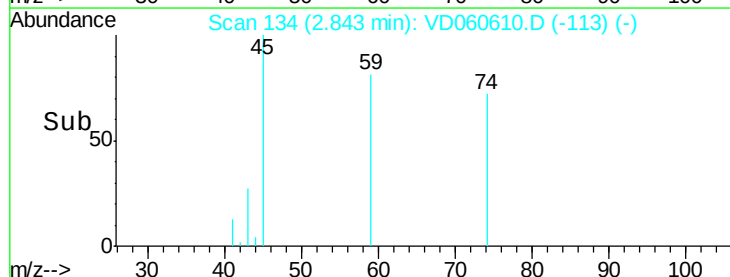
2000

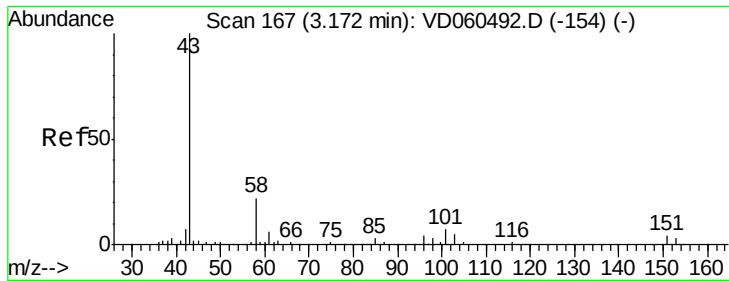
1000

0

2.75 2.80 2.85 2.90 2.95

Time-->





#16

Acetone

Concen: 22.794 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060610.D

Acq: 17 Dec 2018 20:17

Instrument :

MSVOA_D

ClientSampleId :

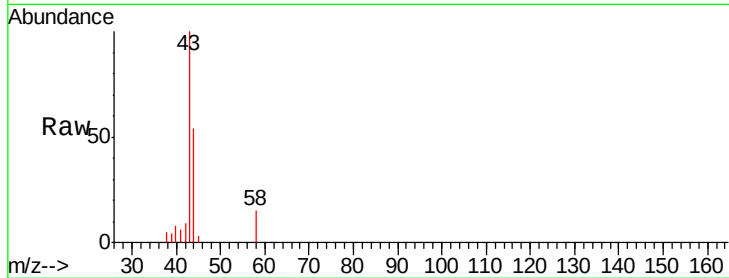
EB02_12-14

Tgt Ion: 43 Resp: 35405

Ion Ratio Lower Upper

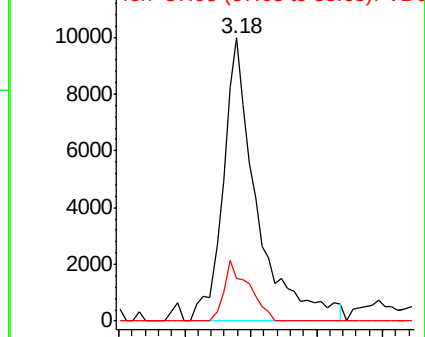
43 100

58 15.2 17.3 25.9#

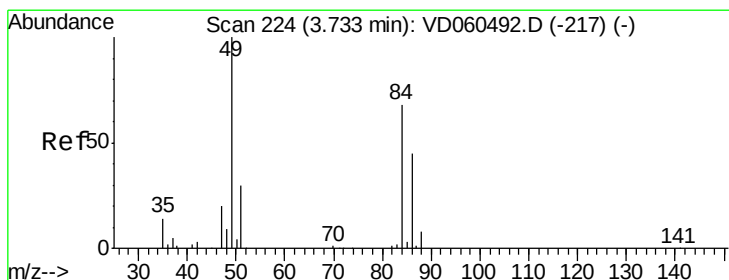
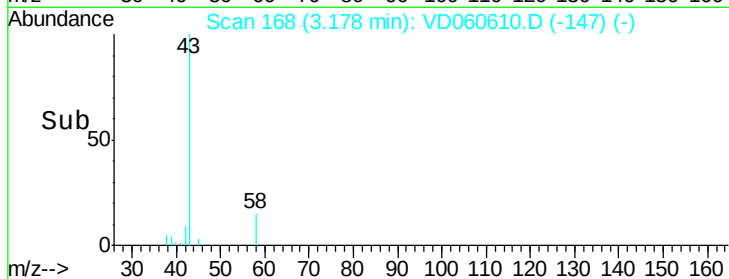


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time--> 3.00 3.10 3.20 3.30 3.40



#20

Methylene Chloride

Concen: 10.640 ug/l

RT: 3.74 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD060610.D

Acq: 17 Dec 2018 20:17

Tgt Ion: 84 Resp: 201972

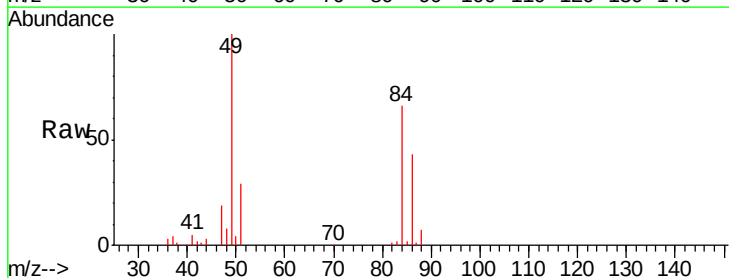
Ion Ratio Lower Upper

84 100

49 151.9 117.2 175.8

51 44.5 35.3 52.9

86 65.5 53.2 79.8

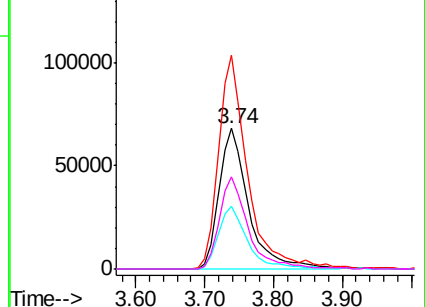


Abundance Ion 83.95 (83.65 to 84.65): VDC

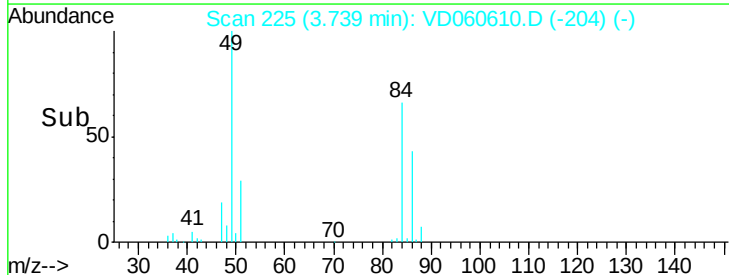
Ion 48.90 (48.60 to 49.60): VDC

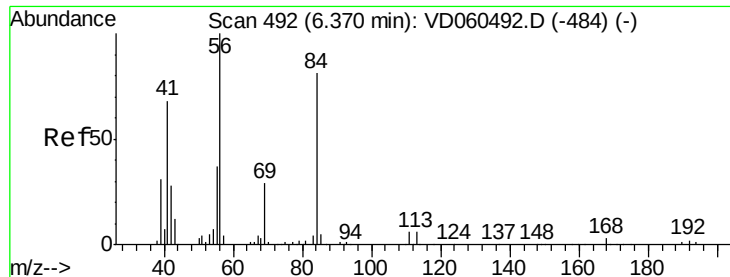
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



Time--> 3.60 3.70 3.80 3.90

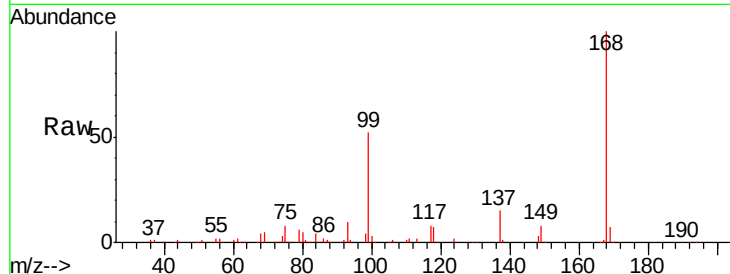




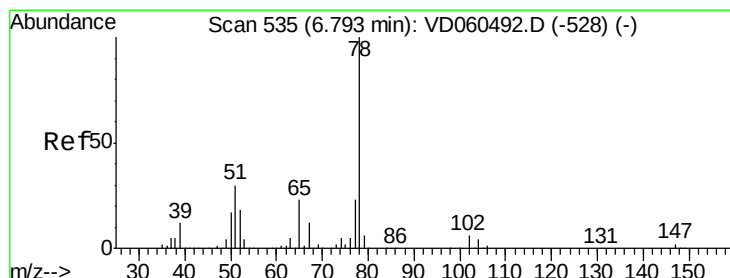
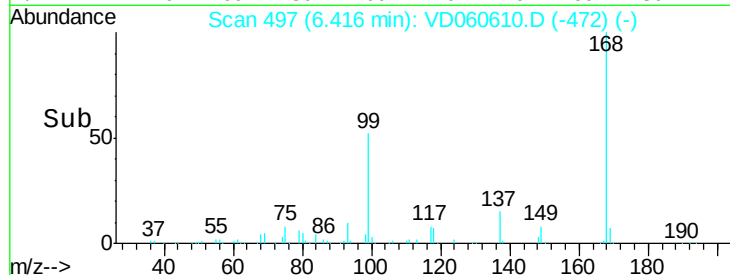
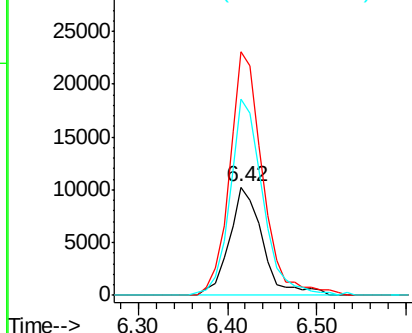
#31
Cyclohexane
Concen: Below Cal
RT: 6.42 min Scan# 497
Delta R.T. 0.05 min
Lab File: VD060610.D
Acq: 17 Dec 2018 20:17

Instrument :
MSVOA_D
ClientSampleId :
EB02_12-14

Tgt Ion: 56 Resp: 26931
Ion Ratio Lower Upper
56 100
69 224.5 22.8 34.2#
84 180.8 65.1 97.7#

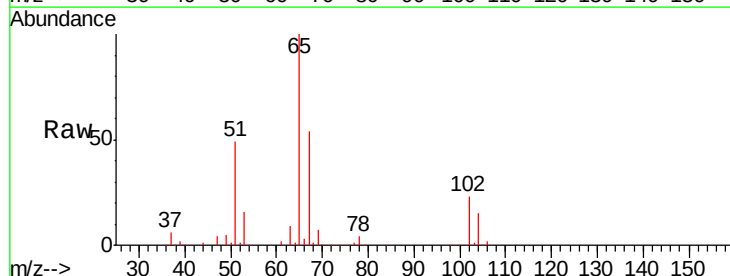


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

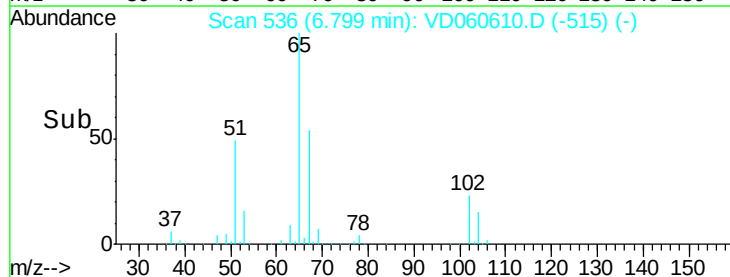
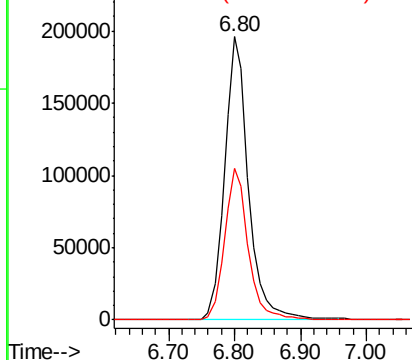


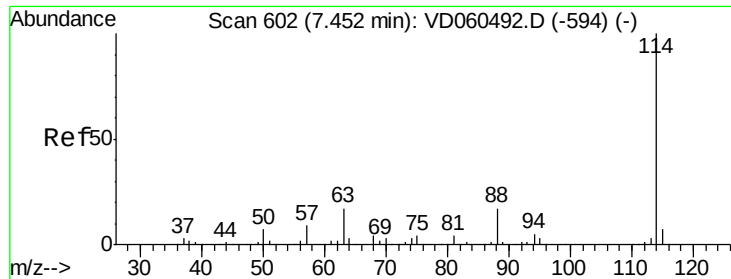
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.80 min Scan# 536
Delta R.T. 0.01 min
Lab File: VD060610.D
Acq: 17 Dec 2018 20:17

Tgt Ion: 65 Resp: 494167
Ion Ratio Lower Upper
65 100
67 53.7 0.0 106.8



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

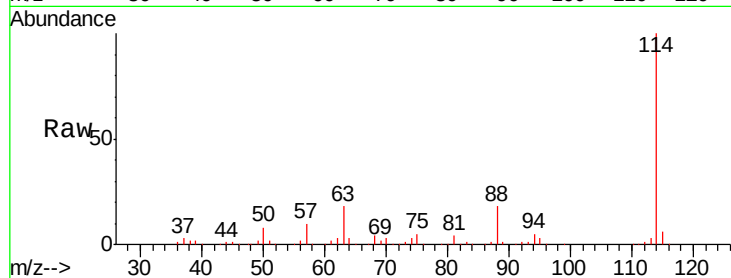




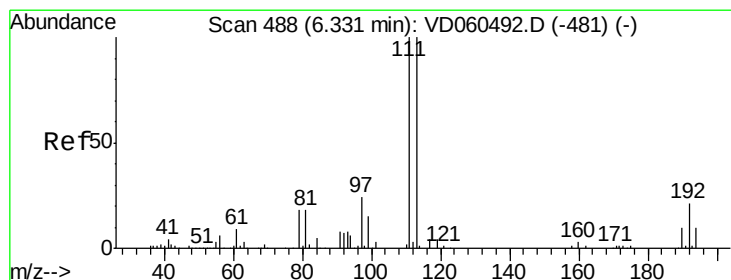
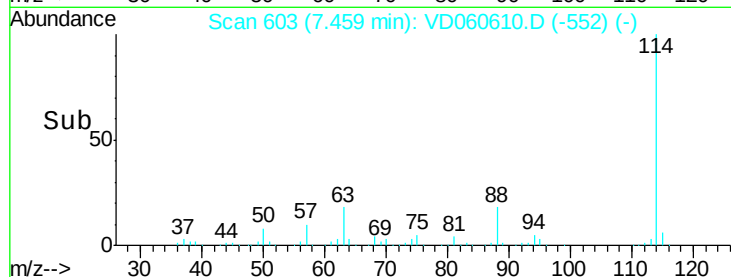
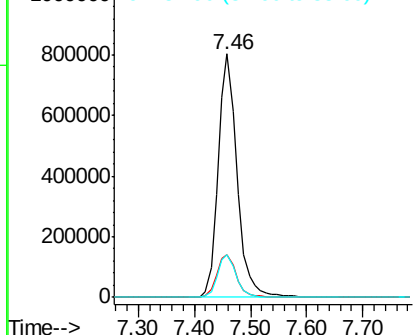
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.46 min Scan# 603
 Delta R.T. 0.01 min
 Lab File: VD060610.D
 Acq: 17 Dec 2018 20:17

Instrument :
 MSVOA_D
 ClientSampleId :
 EB02_12-14

Tgt Ion:114 Resp: 1896839
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 34.2
 88 17.8 0.0 35.0

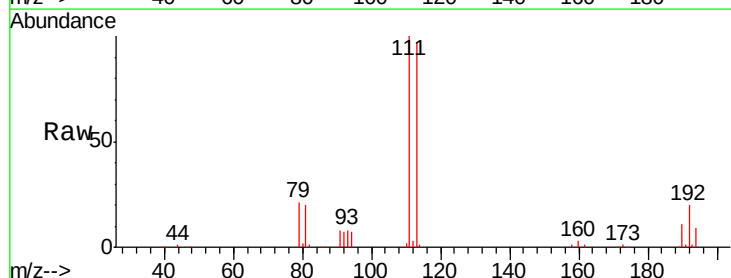


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

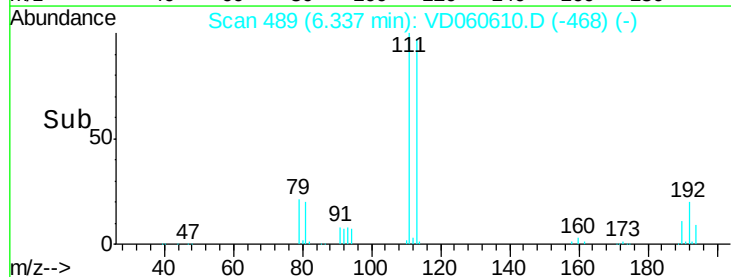
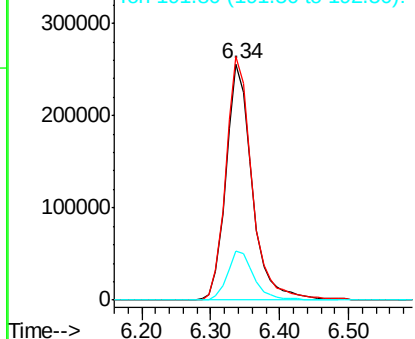


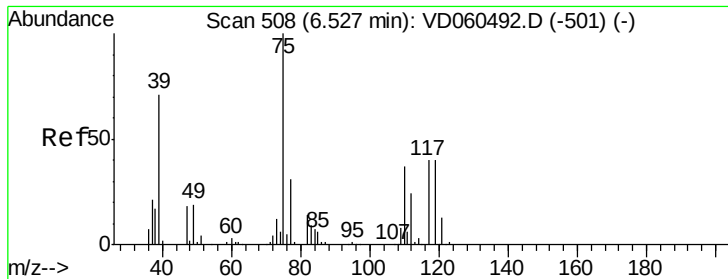
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.34 min Scan# 489
 Delta R.T. 0.01 min
 Lab File: VD060610.D
 Acq: 17 Dec 2018 20:17

Tgt Ion:113 Resp: 671293
 Ion Ratio Lower Upper
 113 100
 111 102.9 80.2 120.4
 192 20.7 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

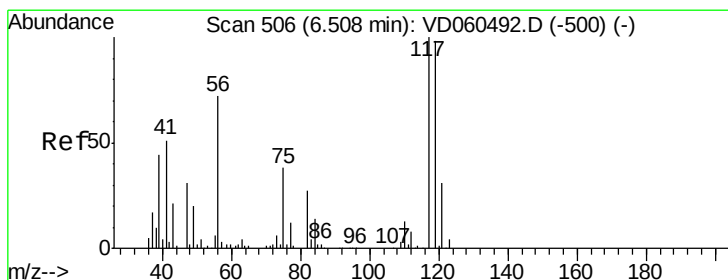
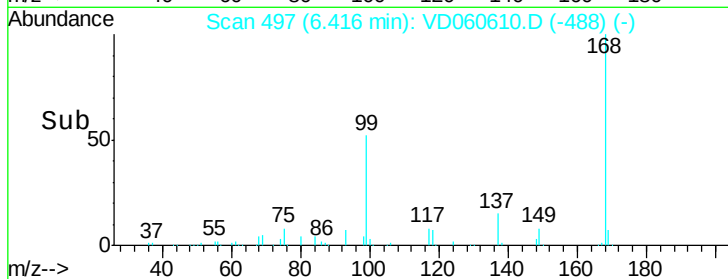
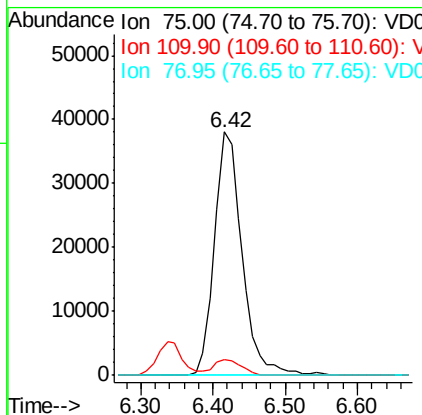
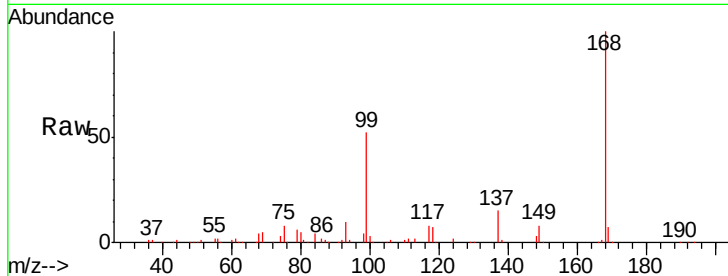




#36
 1,1-Dichloropropene
 Concen: 5.416 ug/l
 RT: 6.42 min Scan# 497
 Delta R.T. -0.11 min
 Lab File: VD060610.D
 Acq: 17 Dec 2018 20:17

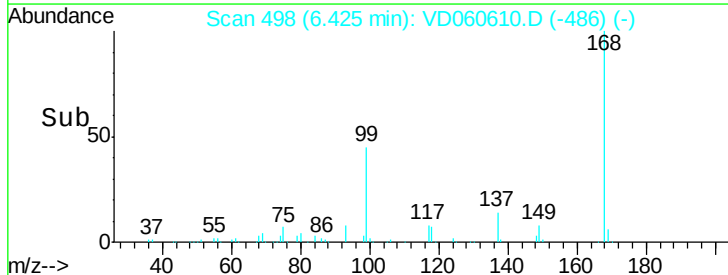
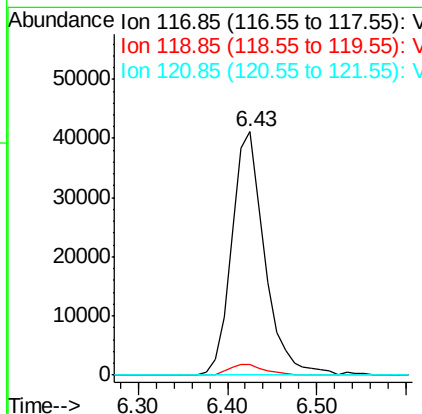
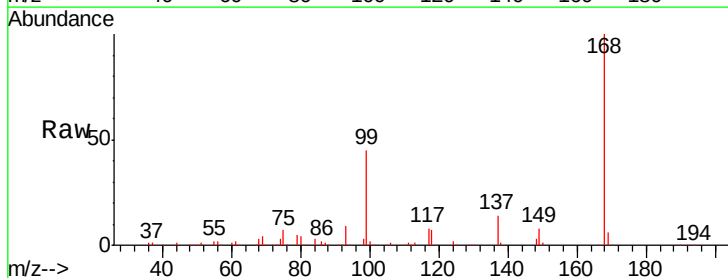
Instrument :
 MSVOA_D
 ClientSampleID :
 EB02_12-14

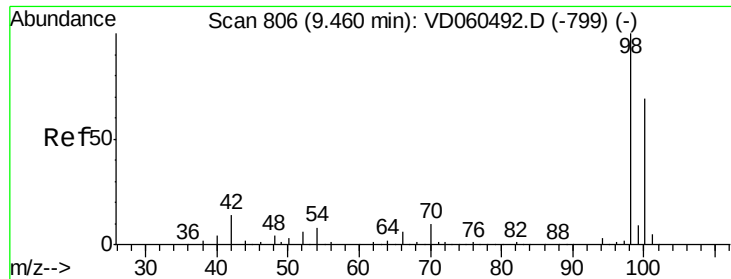
Tgt Ion: 75 Resp: 100427
 Ion Ratio Lower Upper
 75 100
 110 6.6 18.3 54.8#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.374 ug/l
 RT: 6.43 min Scan# 498
 Delta R.T. -0.08 min
 Lab File: VD060610.D
 Acq: 17 Dec 2018 20:17

Tgt Ion: 117 Resp: 106104
 Ion Ratio Lower Upper
 117 100
 119 4.3 76.8 115.2#
 121 0.0 24.4 36.6#

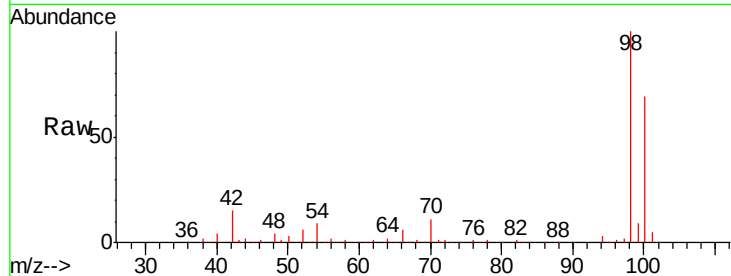




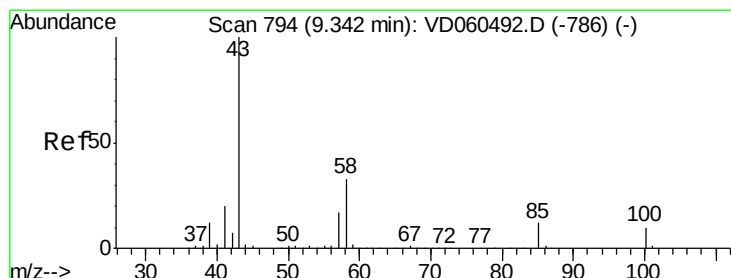
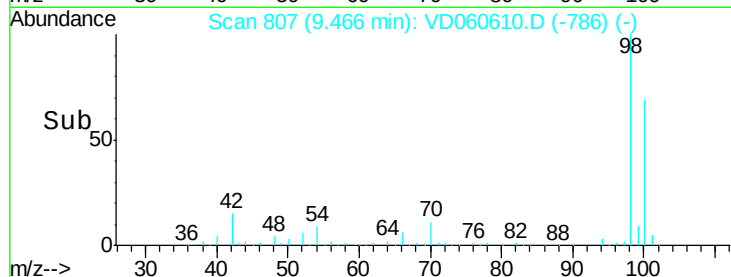
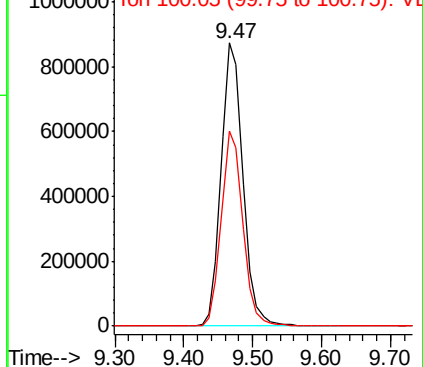
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.47 min Scan# 807
Delta R.T. 0.01 min
Lab File: VD060610.D
Acq: 17 Dec 2018 20:17

Instrument :
MSVOA_D
ClientSampleId :
EB02_12-14

Tgt Ion: 98 Resp: 1918875
Ion Ratio Lower Upper
98 100
100 69.0 55.7 83.5

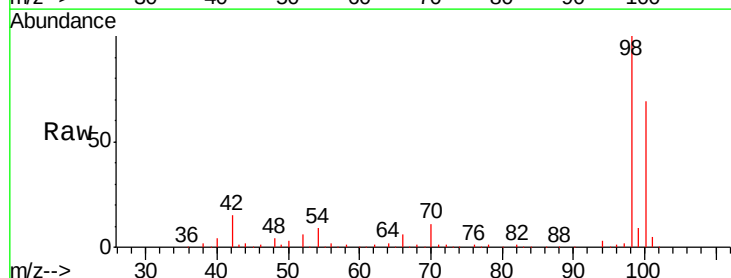


Abundance Ion 98.05 (97.75 to 98.75): VD060492.D (-799) (-)
Ion 100.05 (99.75 to 100.75): VD060492.D (-799) (-)

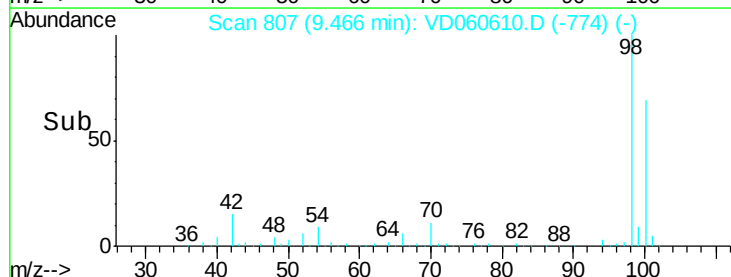
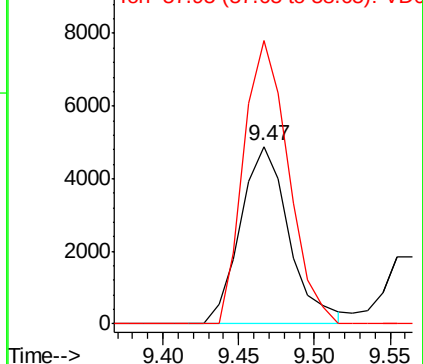


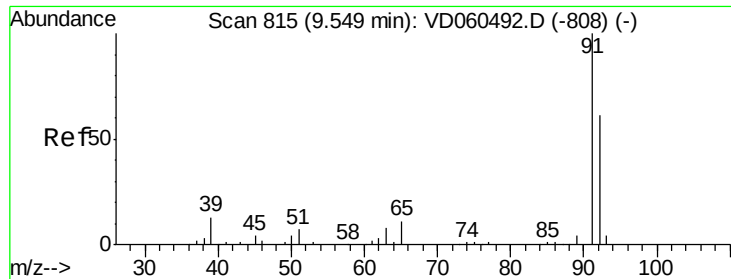
#51
4-Methyl-2-Pentanone
Concen: 1.777 ug/l
RT: 9.47 min Scan# 807
Delta R.T. 0.12 min
Lab File: VD060610.D
Acq: 17 Dec 2018 20:17

Tgt Ion: 43 Resp: 10971
Ion Ratio Lower Upper
43 100
58 159.7 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VD060492.D (-786) (-)
Ion 57.95 (57.65 to 58.65): VD060492.D (-786) (-)





#52

Toluene

Concen: 5.947 ug/l

RT: 9.56 min Scan# 817

Delta R.T. 0.02 min

Lab File: VD060610.D

Acq: 17 Dec 2018 20:17

Instrument :

MSVOA_D

ClientSampleId :

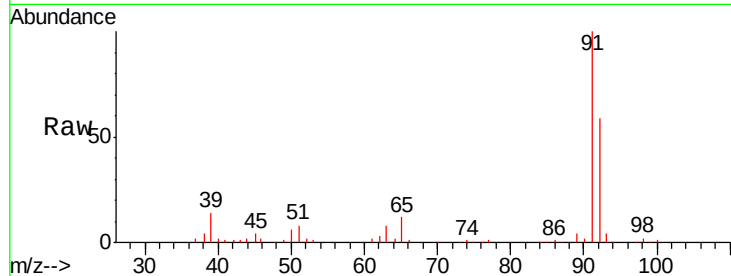
EB02_12-14

Tgt Ion: 92 Resp: 176120

Ion Ratio Lower Upper

92 100

91 168.5 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

150000

100000

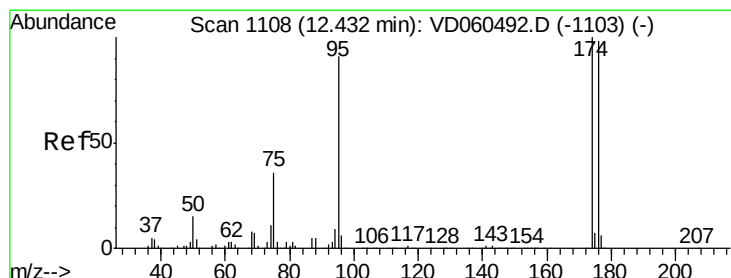
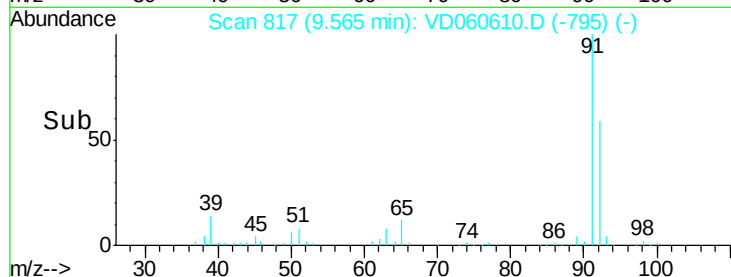
50000

0

9.56

9.50 9.60 9.70

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VD060610.D

Acq: 17 Dec 2018 20:17

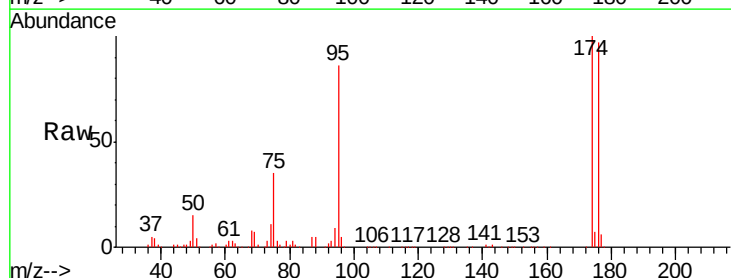
Tgt Ion: 95 Resp: 687074

Ion Ratio Lower Upper

95 100

174 116.6 0.0 219.4

176 112.6 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

600000

400000

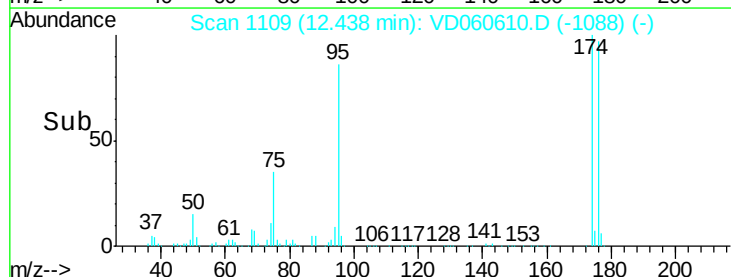
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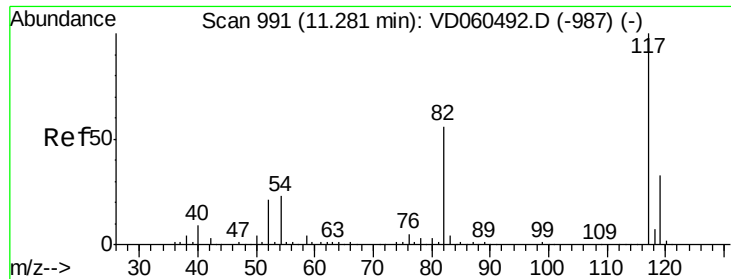
0

12.44

12.40 12.50 12.60

Time-->

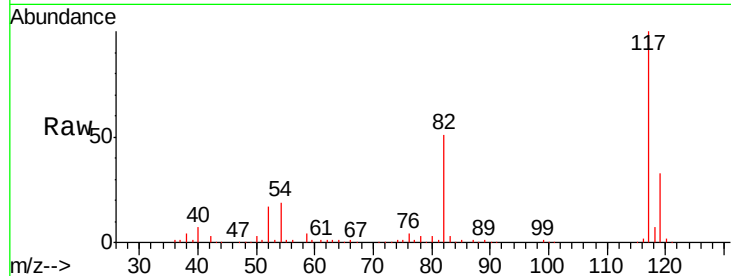




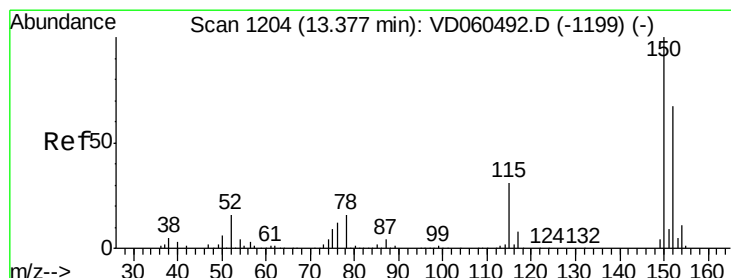
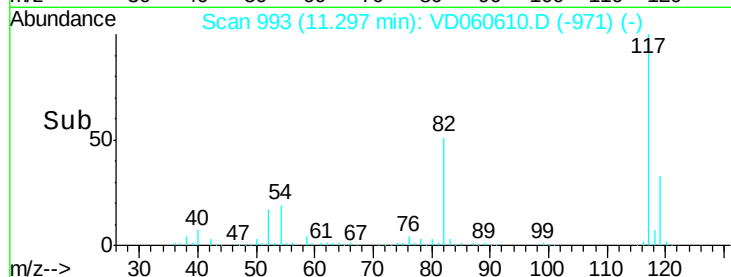
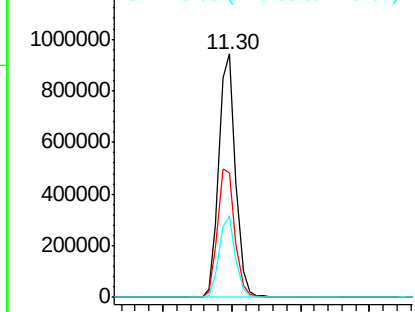
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 993
Delta R.T. 0.02 min
Lab File: VD060610.D
Acq: 17 Dec 2018 20:17

Instrument :
MSVOA_D
ClientSampleId :
EB02_12-14

Tgt Ion:117 Resp: 1595656
Ion Ratio Lower Upper
117 100
82 51.1 45.2 67.8
119 33.1 26.1 39.1

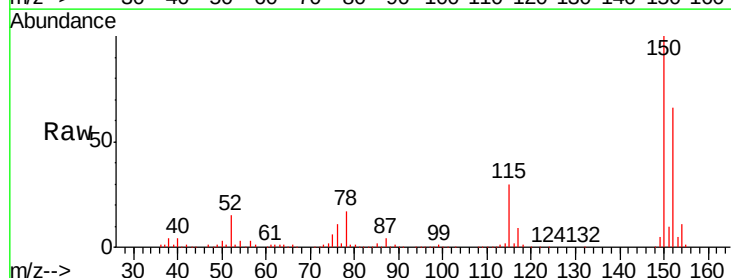


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

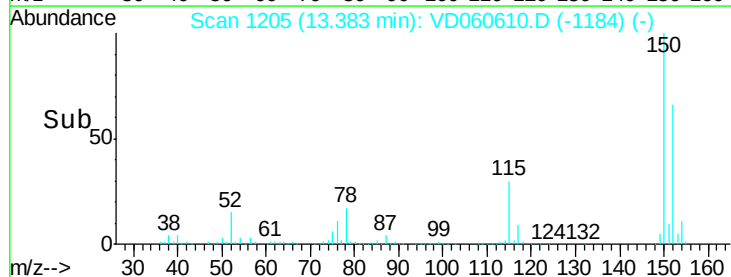
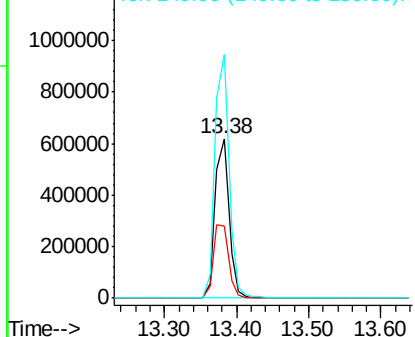


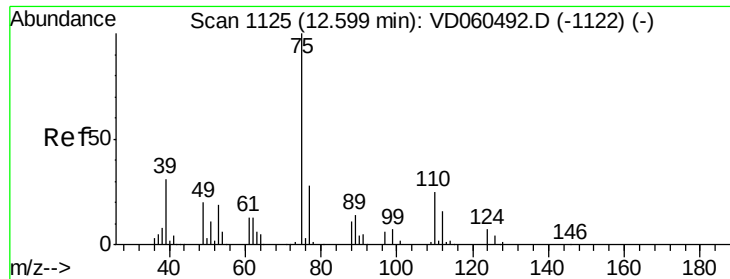
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. 0.01 min
Lab File: VD060610.D
Acq: 17 Dec 2018 20:17

Tgt Ion:152 Resp: 823917
Ion Ratio Lower Upper
152 100
115 45.5 24.6 74.0
150 152.6 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

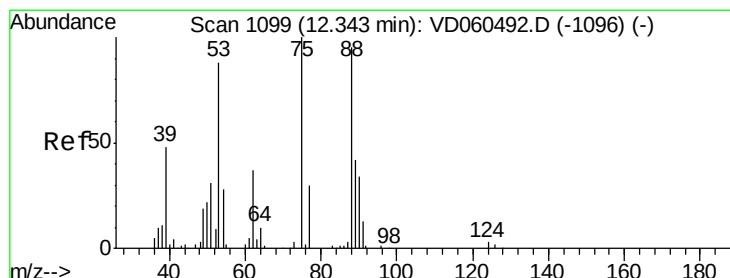
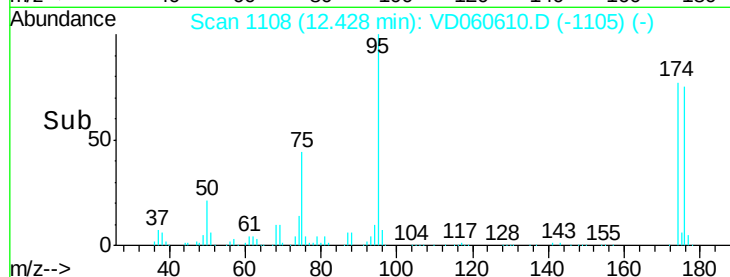
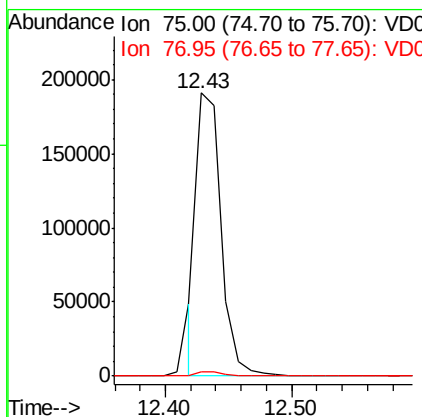
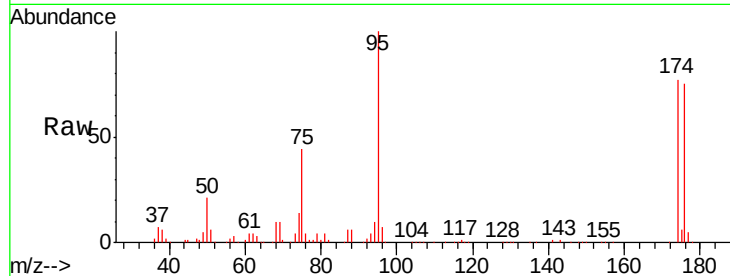




#76
 1,2,3-Trichloropropane
 Concen: 27.919 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. -0.17 min
 Lab File: VD060610.D
 Acq: 17 Dec 2018 20:17

Instrument :
 MSVOA_D
 ClientSampleId :
 EB02_12-14

Tgt Ion: 75 Resp: 260640
 Ion Ratio Lower Upper
 75 100
 77 1.4 16.4 49.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.608 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. 0.08 min
 Lab File: VD060610.D
 Acq: 17 Dec 2018 20:17

Tgt Ion: 75 Resp: 290594
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.5 105.7#
 89 0.0 33.6 50.4#

