

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121718\
 Data File : VD060597.D
 Acq On : 17 Dec 2018 14:09
 Operator : VA/AP
 Sample : J6397-02
 Misc : 4.52g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EB10_12-14

Quant Time: Dec 18 11:16:04 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	1510092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	2073041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1704752	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.39	152	860065	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	545180	50.93	ug/l	0.00
Spiked Amount						
			Recovery	=	101.86%	
35) Dibromofluoromethane	6.34	113	759301	49.87	ug/l	0.00
Spiked Amount						
			Recovery	=	99.74%	
50) Toluene-d8	9.47	98	2202528	49.99	ug/l	0.00
Spiked Amount						
			Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.43	95	768600	48.75	ug/l	0.00
Spiked Amount						
			Recovery	=	97.50%	

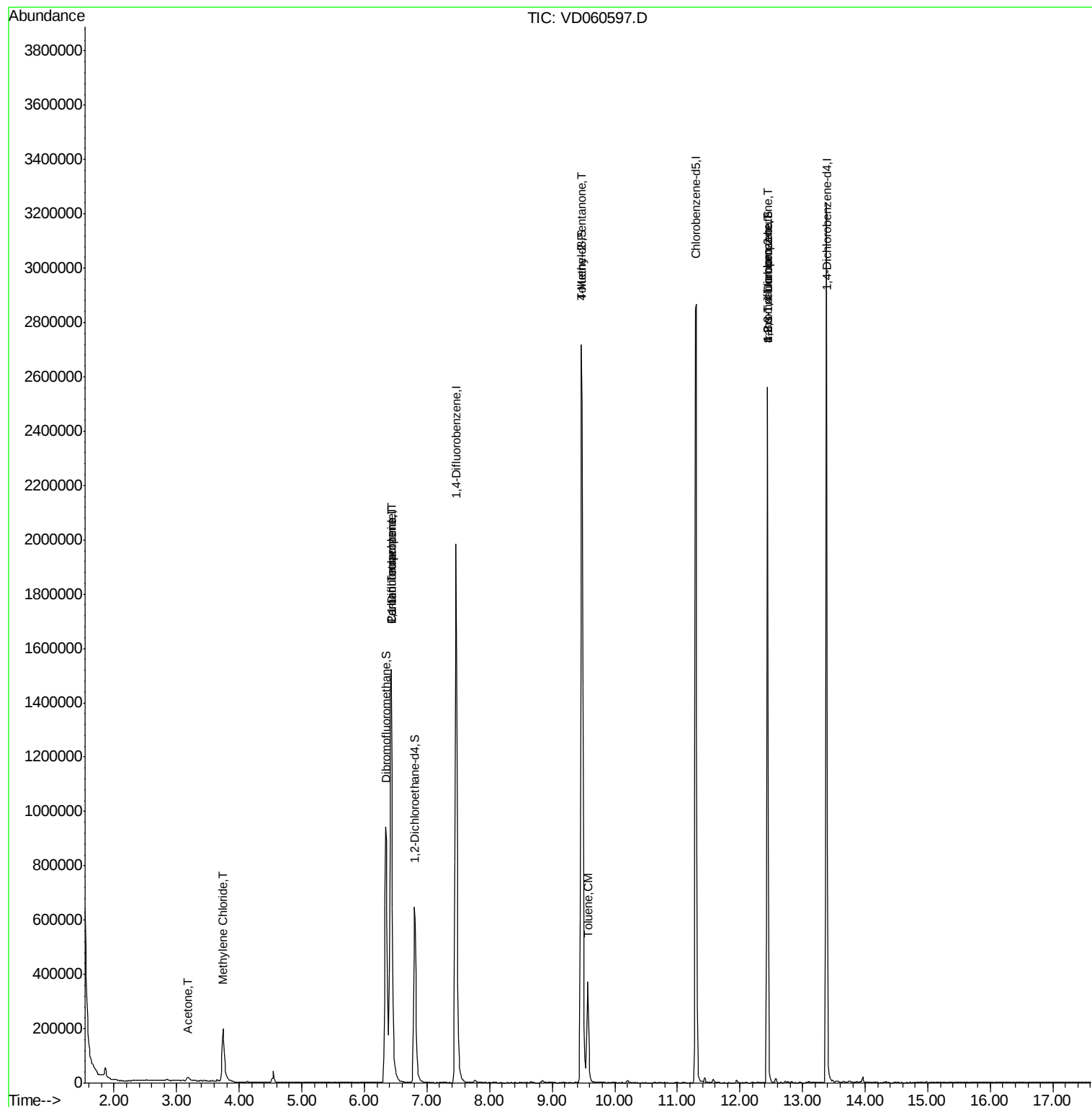
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	3876	Below Cal		97
16) Acetone	3.18	43	30022	17.499	ug/l	97
20) Methylene Chloride	3.74	84	122936	3.658	ug/l	98
31) Cyclohexane	6.43	56	28869	Below Cal	#	1
36) 1,1-Dichloropropene	6.43	75	106413	5.251	ug/l	# 47
38) Carbon Tetrachloride	6.43	117	119164	6.550	ug/l	# 15
51) 4-Methyl-2-Pentanone	9.47	43	12275	1.819	ug/l	# 1
52) Toluene	9.57	92	186466	5.761	ug/l	98
76) 1,2,3-Trichloropropane	12.43	75	277675	28.494	ug/l	# 44
81) trans-1,4-Dichloro-2-buten	12.43	75	314892	115.857	ug/l	# 14
89) n-Butylbenzene	13.65	91	1413	Below Cal	#	80

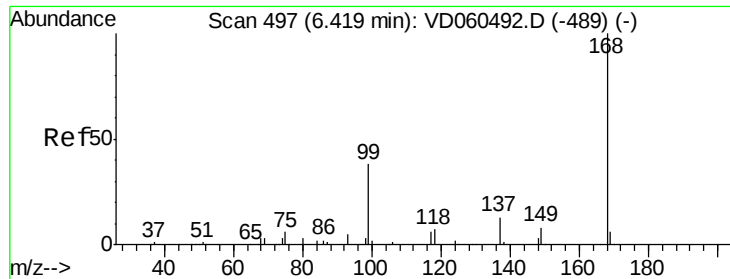
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD060597.D

Acq: 17 Dec 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

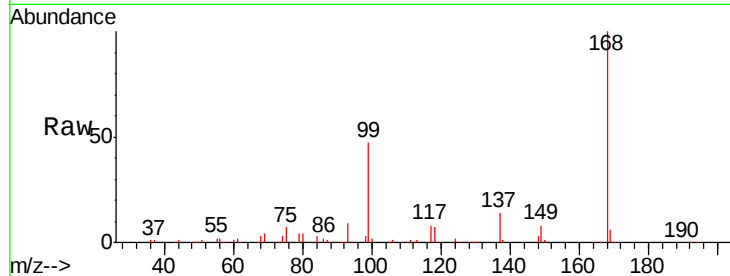
EB10_12-14

Tgt Ion:168 Resp: 1510092

Ion Ratio Lower Upper

168 100

99 46.6 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

600000

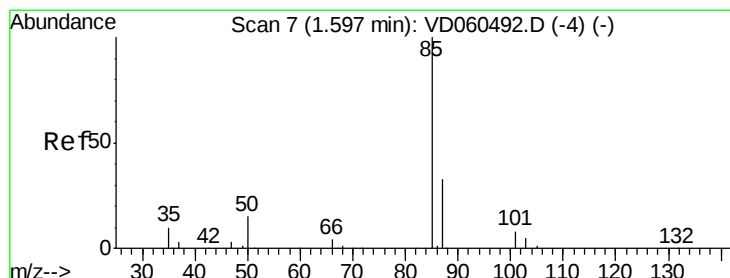
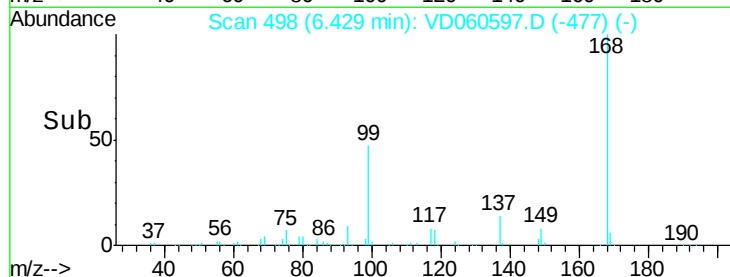
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060597.D

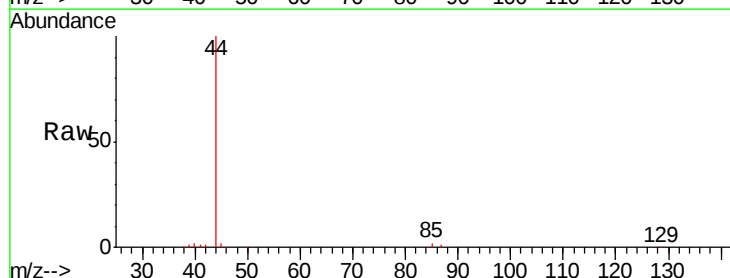
Acq: 17 Dec 2018 14:09

Tgt Ion: 85 Resp: 3876

Ion Ratio Lower Upper

85 100

87 35.0 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

2500

2000

1500

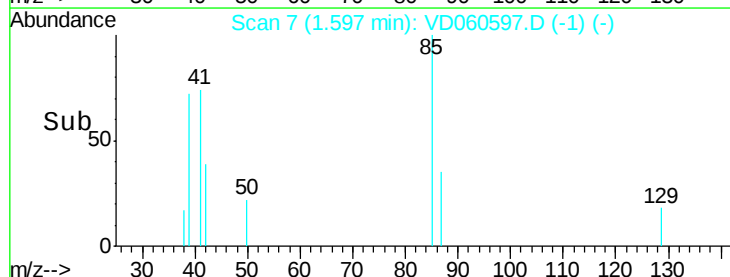
1000

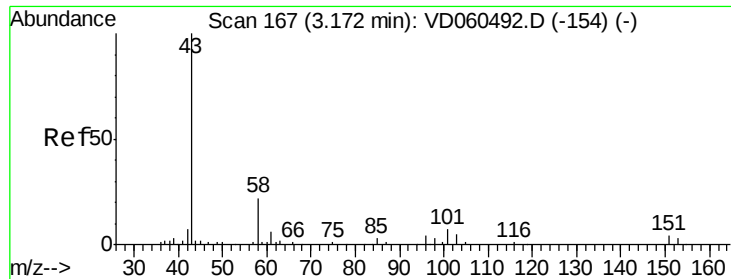
500

0

1.55 1.60 1.65

Time-->





#16

Acetone

Concen: 17.499 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060597.D

Acq: 17 Dec 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

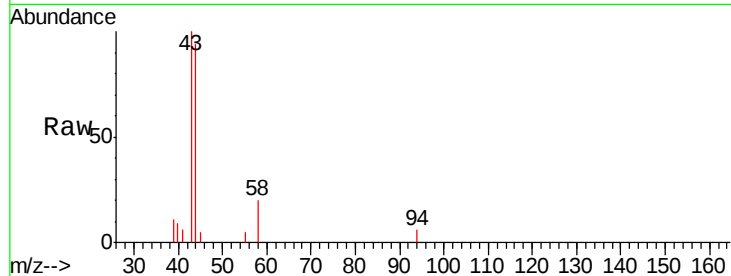
EB10_12-14

Tgt Ion: 43 Resp: 30022

Ion Ratio Lower Upper

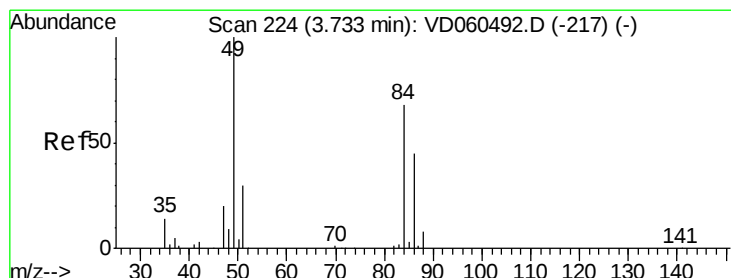
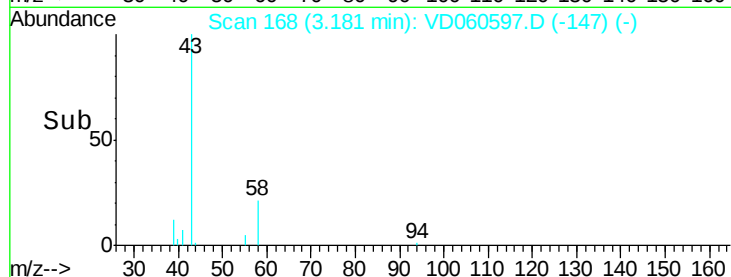
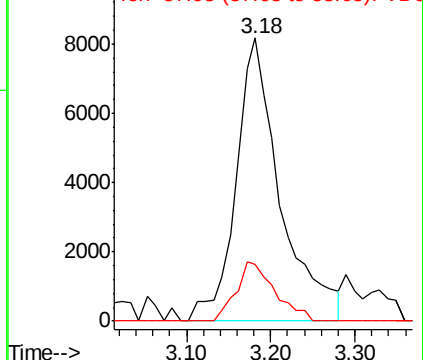
43 100

58 20.0 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 3.658 ug/l

RT: 3.74 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD060597.D

Acq: 17 Dec 2018 14:09

Tgt Ion: 84 Resp: 122936

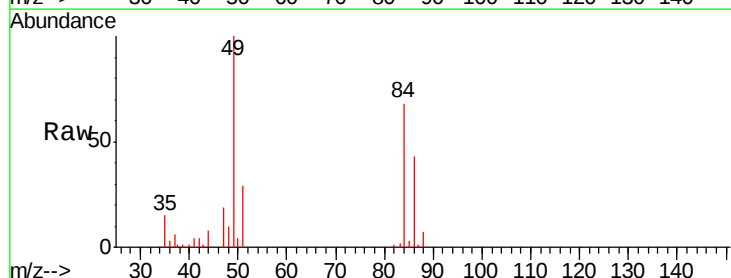
Ion Ratio Lower Upper

84 100

49 147.9 117.2 175.8

51 42.4 35.3 52.9

86 63.8 53.2 79.8

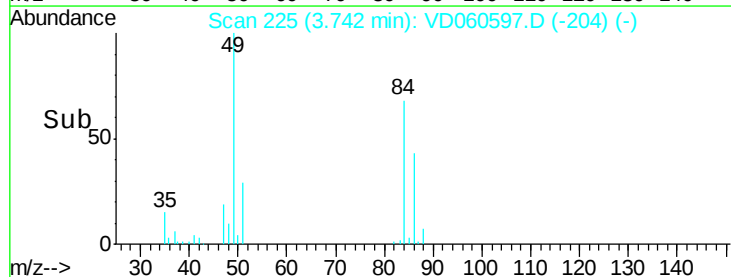
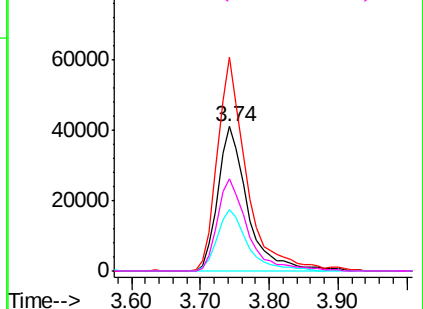


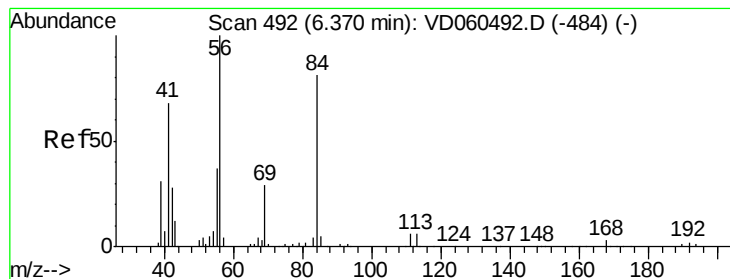
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#31

Cyclohexane

Concen: Below Cal

RT: 6.43 min Scan# 498

Delta R.T. 0.06 min

Lab File: VD060597.D

Acq: 17 Dec 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

EB10_12-14

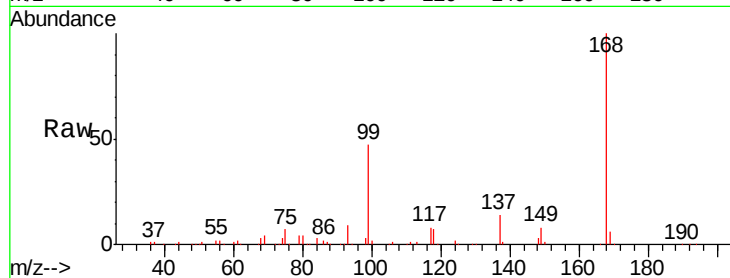
Tgt Ion: 56 Resp: 28869

Ion Ratio Lower Upper

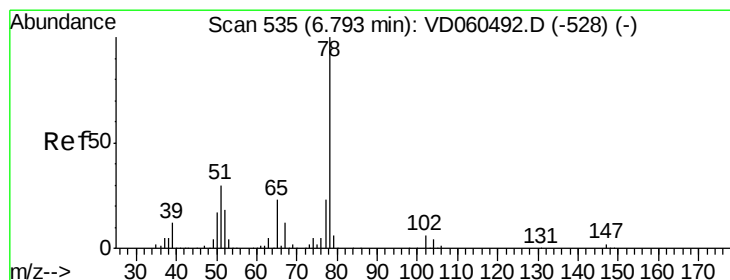
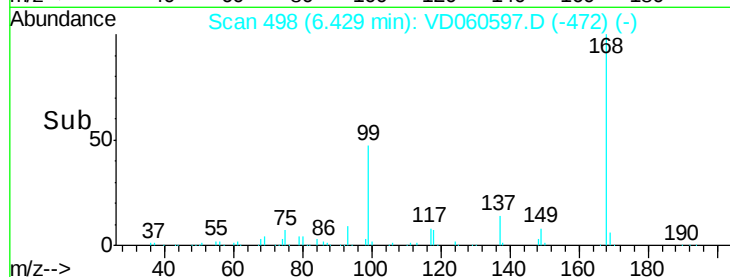
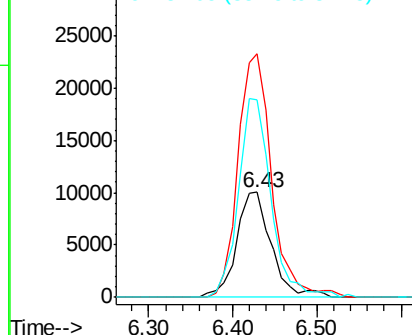
56 100

69 231.4 22.8 34.2#

84 187.5 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: VD060597.D

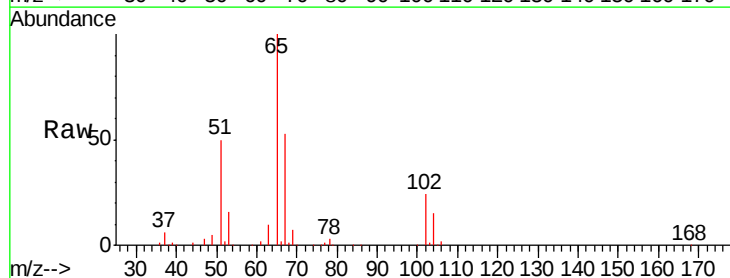
Acq: 17 Dec 2018 14:09

Tgt Ion: 65 Resp: 545180

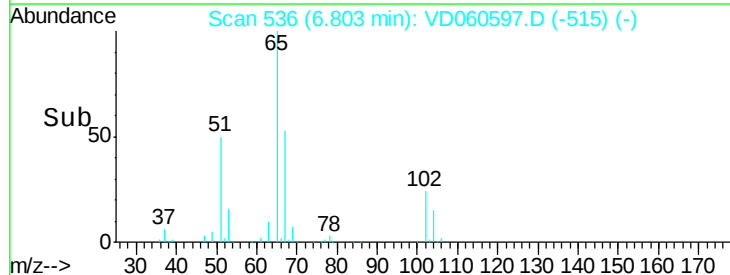
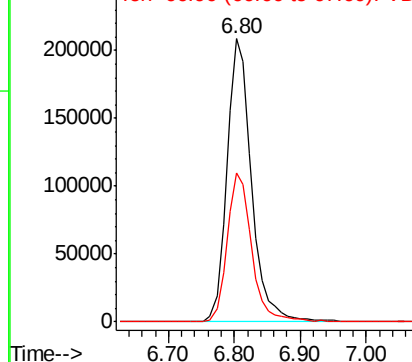
Ion Ratio Lower Upper

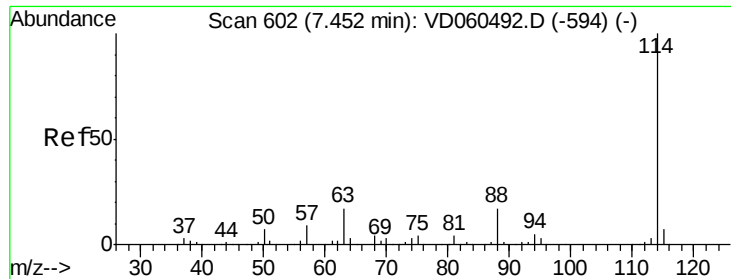
65 100

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

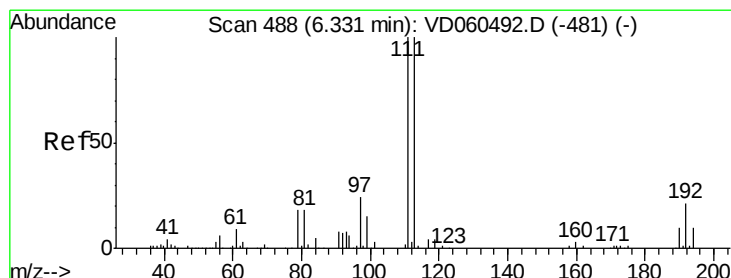
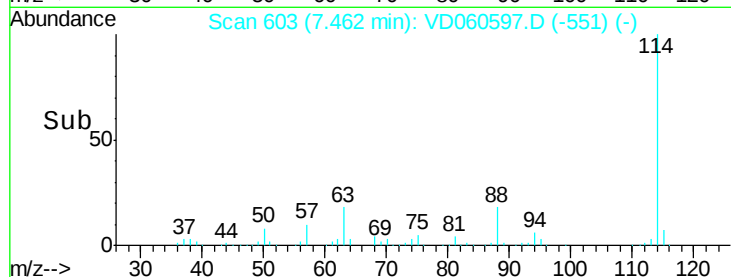
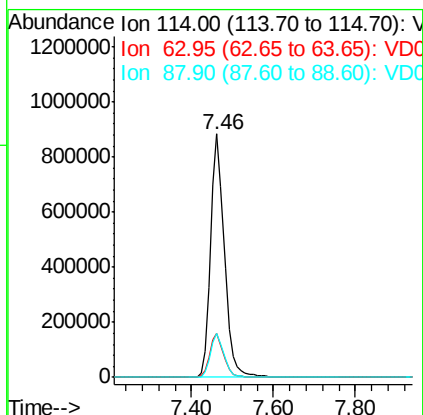
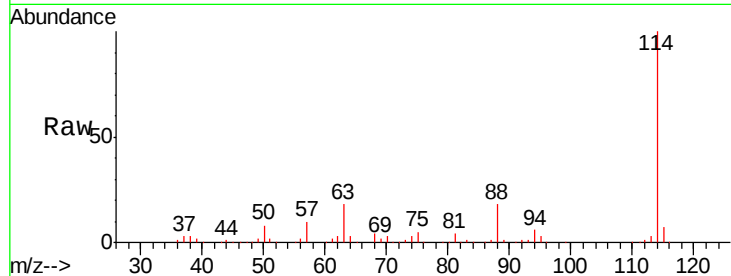




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.46 min Scan# 603
 Delta R.T. 0.01 min
 Lab File: VD060597.D
 Acq: 17 Dec 2018 14:09

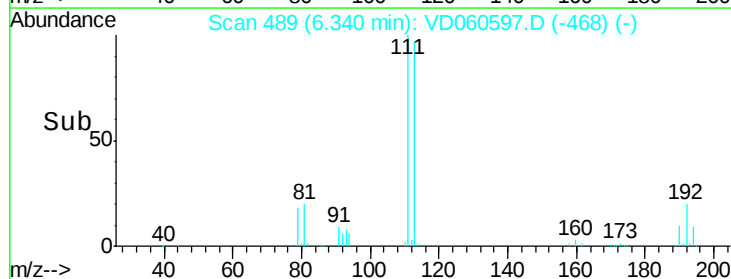
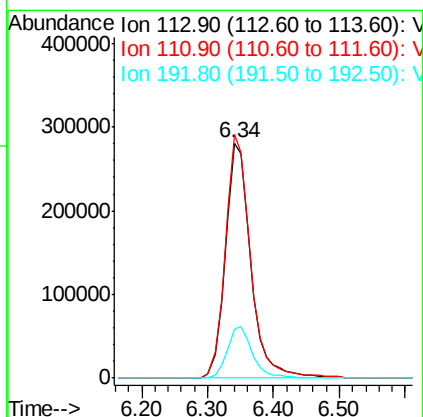
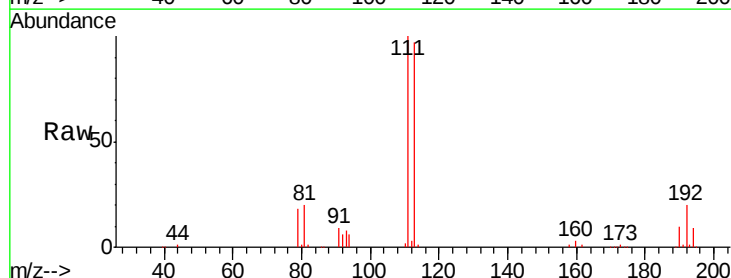
Instrument :
 MSVOA_D
 ClientSampleID :
 EB10_12-14

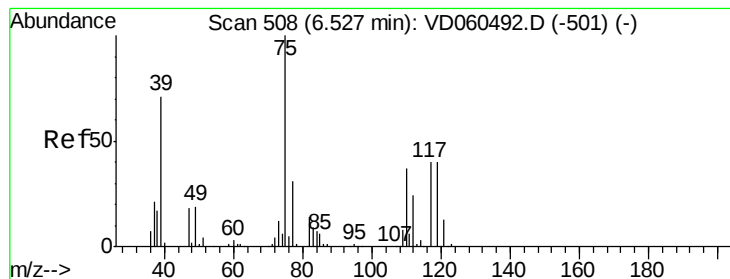
Tgt Ion:114 Resp: 2073041
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 34.2
 88 18.3 0.0 35.0



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.34 min Scan# 489
 Delta R.T. 0.01 min
 Lab File: VD060597.D
 Acq: 17 Dec 2018 14:09

Tgt Ion:113 Resp: 759301
 Ion Ratio Lower Upper
 113 100
 111 103.5 80.2 120.4
 192 21.0 16.6 24.8





#36

1,1-Dichloropropene

Concen: 5.251 ug/l

RT: 6.43 min Scan# 498

Delta R.T. -0.10 min

Lab File: VD060597.D

Acq: 17 Dec 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

EB10_12-14

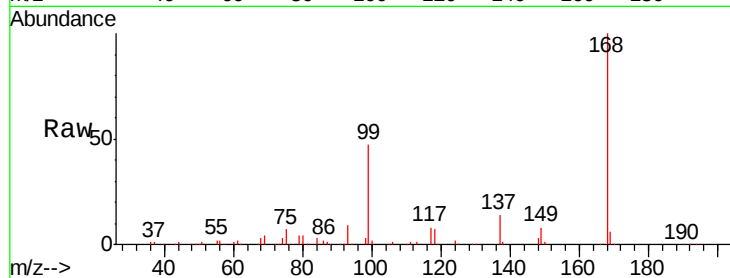
Tgt Ion: 75 Resp: 106413

Ion Ratio Lower Upper

75 100

110 6.8 18.3 54.8#

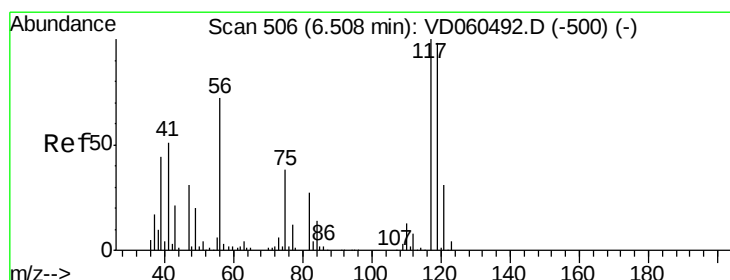
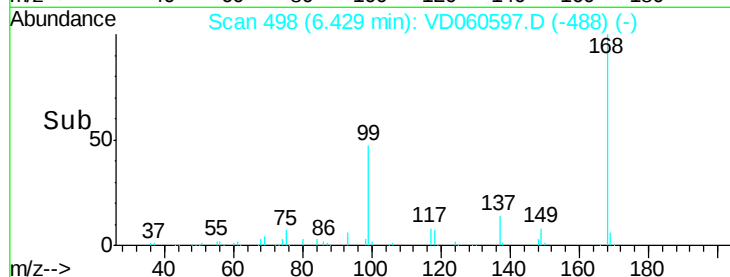
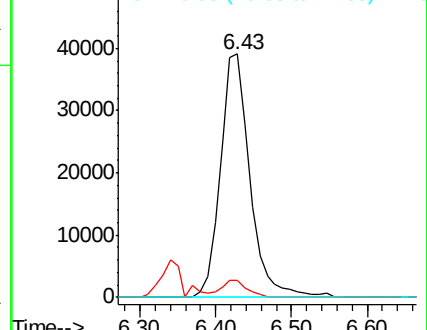
77 0.0 24.6 37.0#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 6.550 ug/l

RT: 6.43 min Scan# 498

Delta R.T. -0.08 min

Lab File: VD060597.D

Acq: 17 Dec 2018 14:09

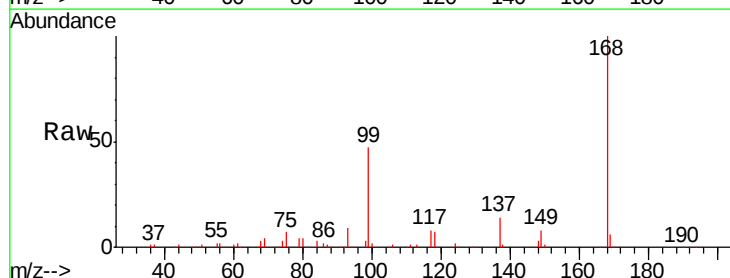
Tgt Ion: 117 Resp: 119164

Ion Ratio Lower Upper

117 100

119 4.4 76.8 115.2#

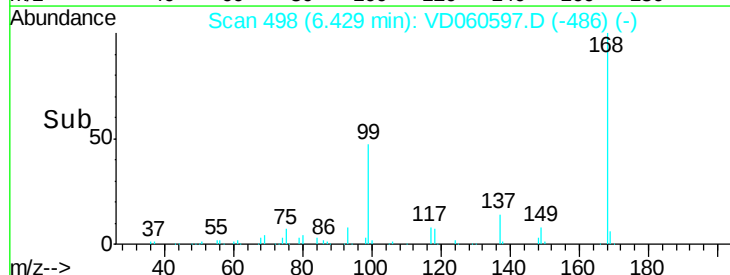
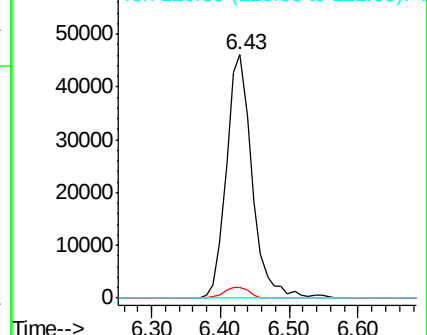
121 0.0 24.4 36.6#

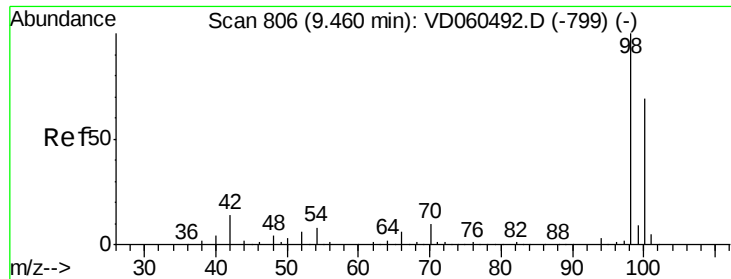


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

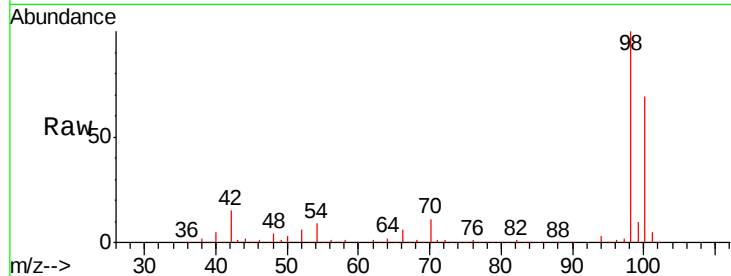




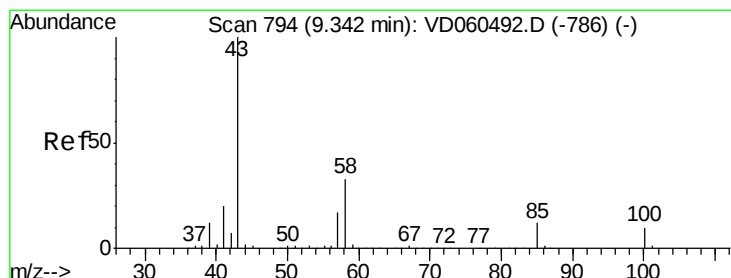
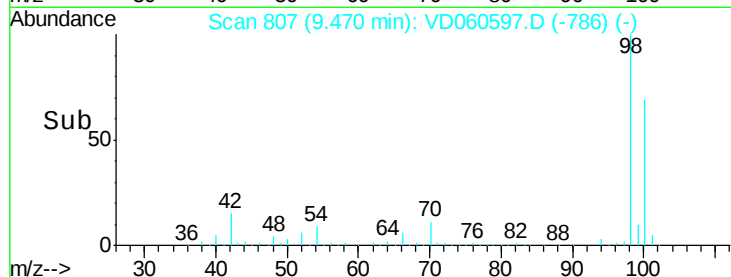
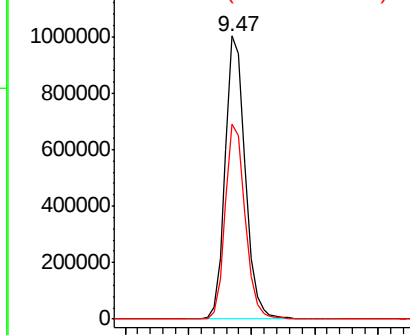
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.47 min Scan# 807
Delta R.T. 0.01 min
Lab File: VD060597.D
Acq: 17 Dec 2018 14:09

Instrument :
MSVOA_D
ClientSampleID :
EB10_12-14

Tgt Ion: 98 Resp: 2202528
Ion Ratio Lower Upper
98 100
100 69.0 55.7 83.5

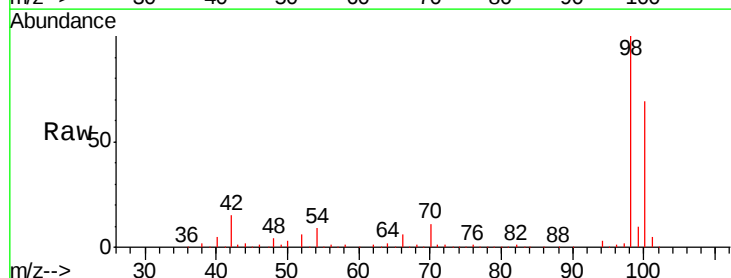


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

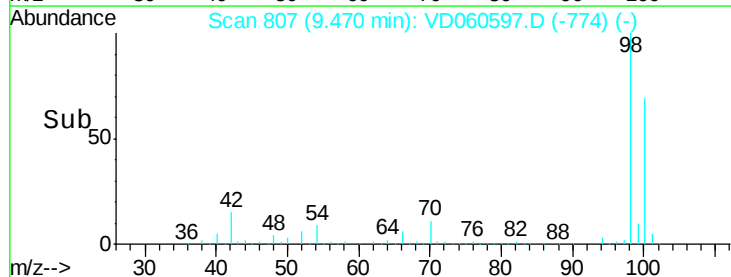
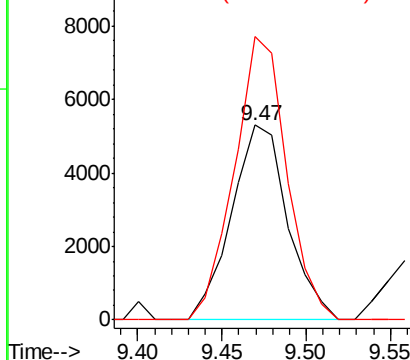


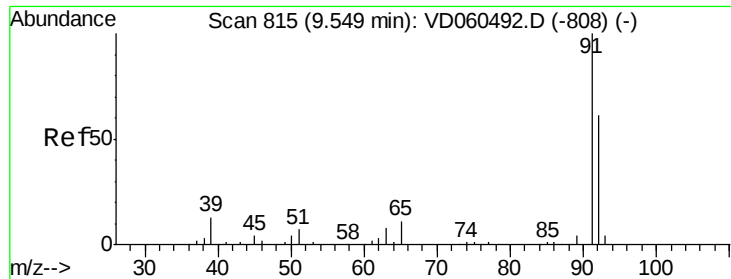
#51
4-Methyl-2-Pentanone
Concen: 1.819 ug/l
RT: 9.47 min Scan# 807
Delta R.T. 0.13 min
Lab File: VD060597.D
Acq: 17 Dec 2018 14:09

Tgt Ion: 43 Resp: 12275
Ion Ratio Lower Upper
43 100
58 145.2 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: 5.761 ug/l

RT: 9.57 min Scan# 817

Delta R.T. 0.02 min

Lab File: VD060597.D

Acq: 17 Dec 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

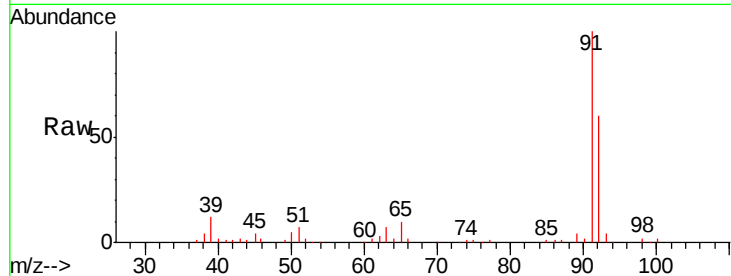
EB10_12-14

Tgt Ion: 92 Resp: 186466

Ion Ratio Lower Upper

92 100

91 166.9 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

150000

100000

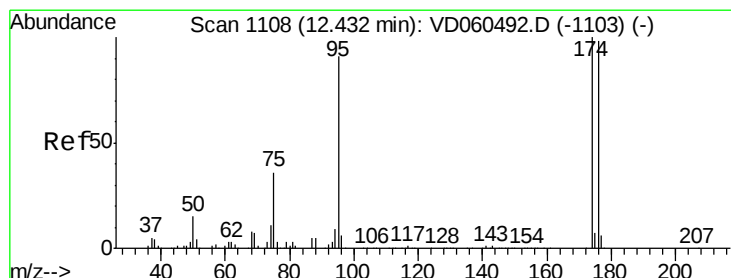
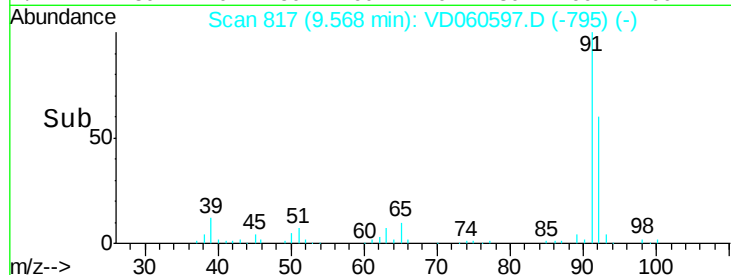
50000

0

9.57

9.50 9.60 9.70

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VD060597.D

Acq: 17 Dec 2018 14:09

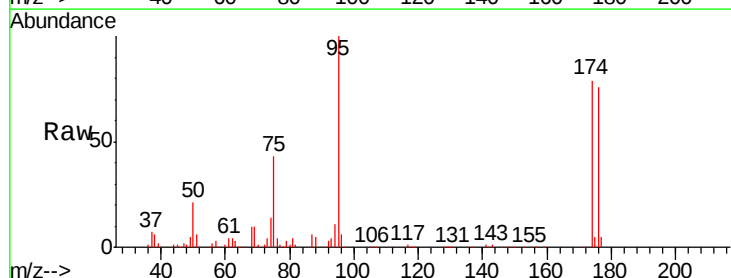
Tgt Ion: 95 Resp: 768600

Ion Ratio Lower Upper

95 100

174 79.3 0.0 219.4

176 75.7 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

600000

400000

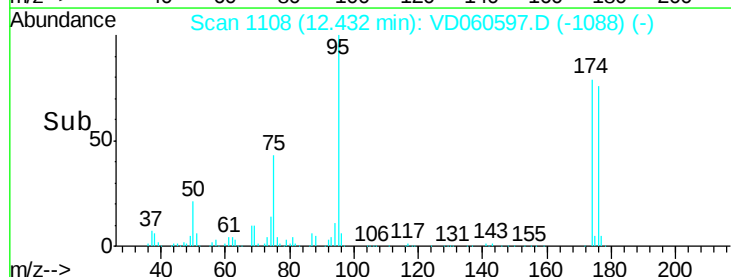
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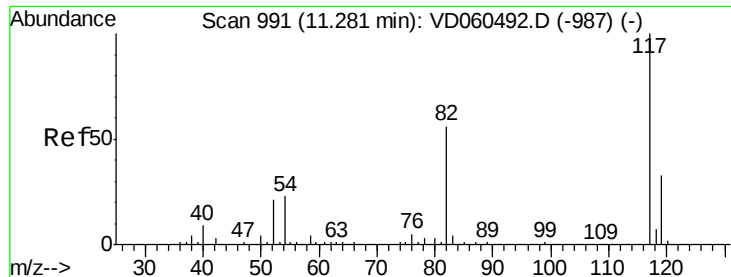
0

12.43

12.40 12.50

Time-->

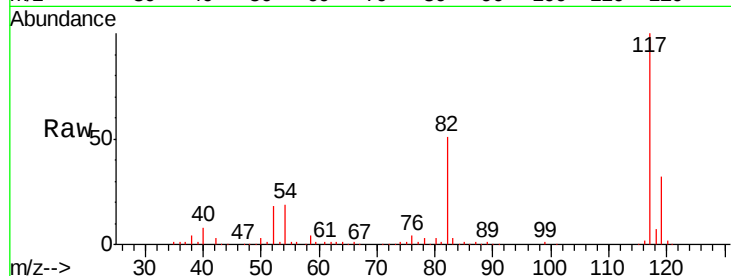




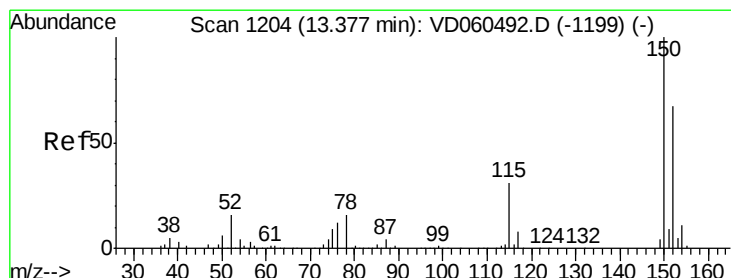
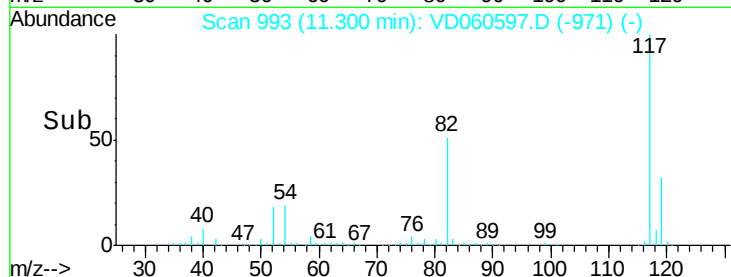
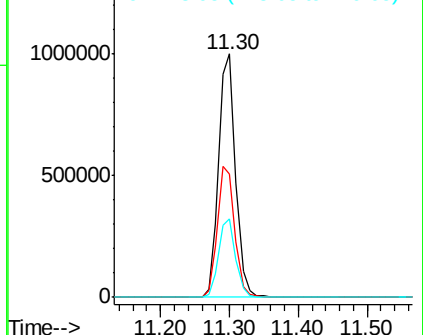
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 993
Delta R.T. 0.02 min
Lab File: VD060597.D
Acq: 17 Dec 2018 14:09

Instrument :
MSVOA_D
ClientSampleId :
EB10_12-14

Tgt Ion:117 Resp: 1704752
Ion Ratio Lower Upper
117 100
82 50.9 45.2 67.8
119 32.5 26.1 39.1

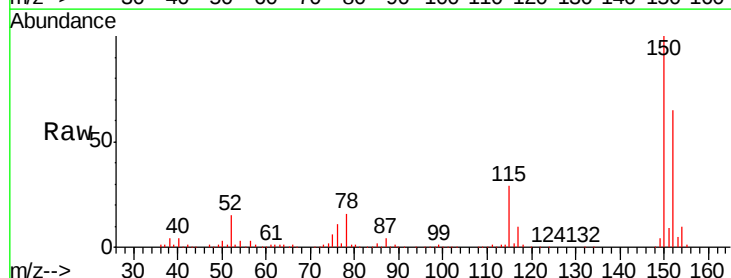


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

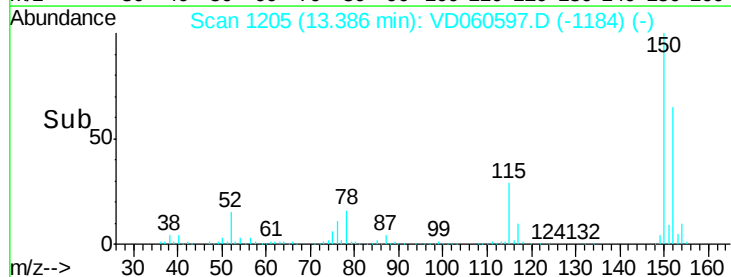
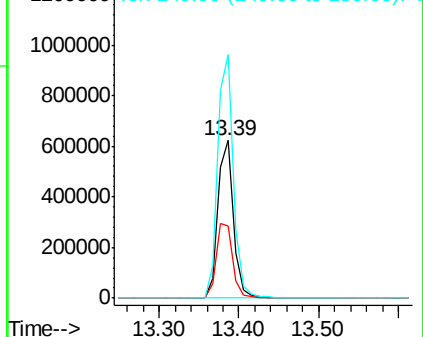


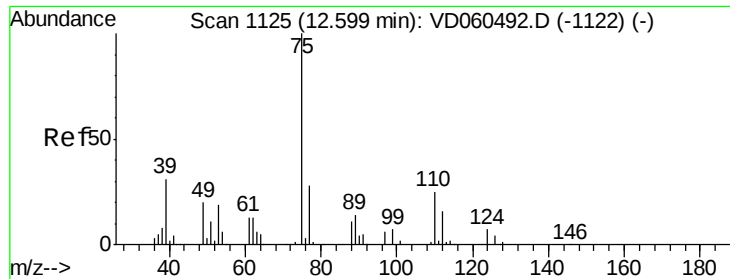
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.39 min Scan# 1205
Delta R.T. 0.01 min
Lab File: VD060597.D
Acq: 17 Dec 2018 14:09

Tgt Ion:152 Resp: 860065
Ion Ratio Lower Upper
152 100
115 45.6 24.6 74.0
150 154.7 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: 28.494 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.17 min

Lab File: VD060597.D

Acq: 17 Dec 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

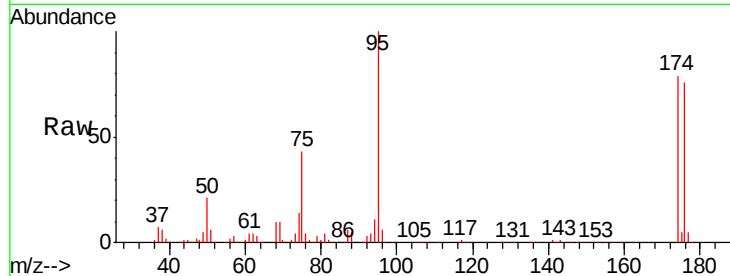
EB10_12-14

Tgt Ion: 75 Resp: 277675

Ion Ratio Lower Upper

75 100

77 1.4 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

12.43

200000

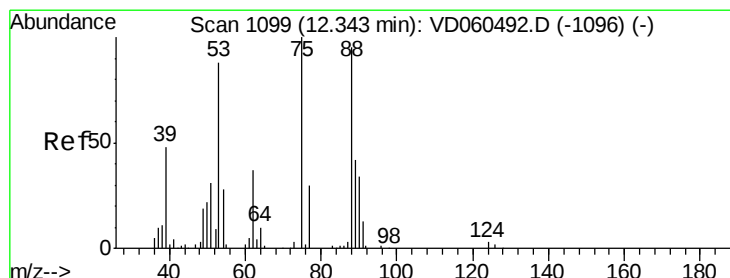
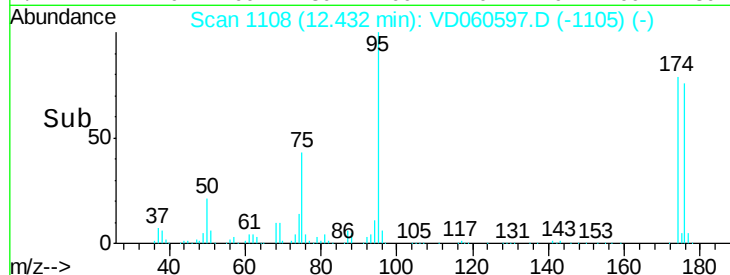
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 115.857 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.09 min

Lab File: VD060597.D

Acq: 17 Dec 2018 14:09

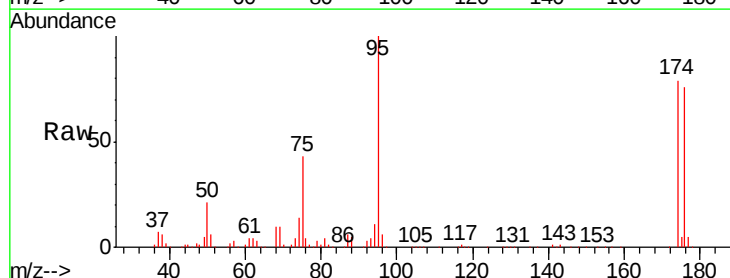
Tgt Ion: 75 Resp: 314892

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

12.43

250000

200000

150000

100000

50000

0

Time-->

