

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102918\
 Data File : VD060237.D
 Acq On : 29 Oct 2018 19:02
 Operator : VA/AP
 Sample : J5194-07
 Misc : 6.62g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-05-102618-A

Quant Time: Oct 30 01:37:11 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	6.42	168	1451128	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	7.46	114	2044118	50.00	ug/l	0.04
63) Chlorobenzene-d5	11.30	117	1576611	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.38	152	693264	50.00	ug/l	0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.80	65	594670	54.06	ug/l	0.04
Spiked Amount	50.000		Recovery	=	108.12%	
35) Dibromofluoromethane	6.34	113	763116	49.16	ug/l	0.04
Spiked Amount	50.000		Recovery	=	98.32%	
50) Toluene-d8	9.46	98	1982759	44.79	ug/l	0.03
Spiked Amount	50.000		Recovery	=	89.58%	
62) 4-Bromofluorobenzene	12.44	95	706758	42.64	ug/l	0.02
Spiked Amount	50.000		Recovery	=	85.28%	

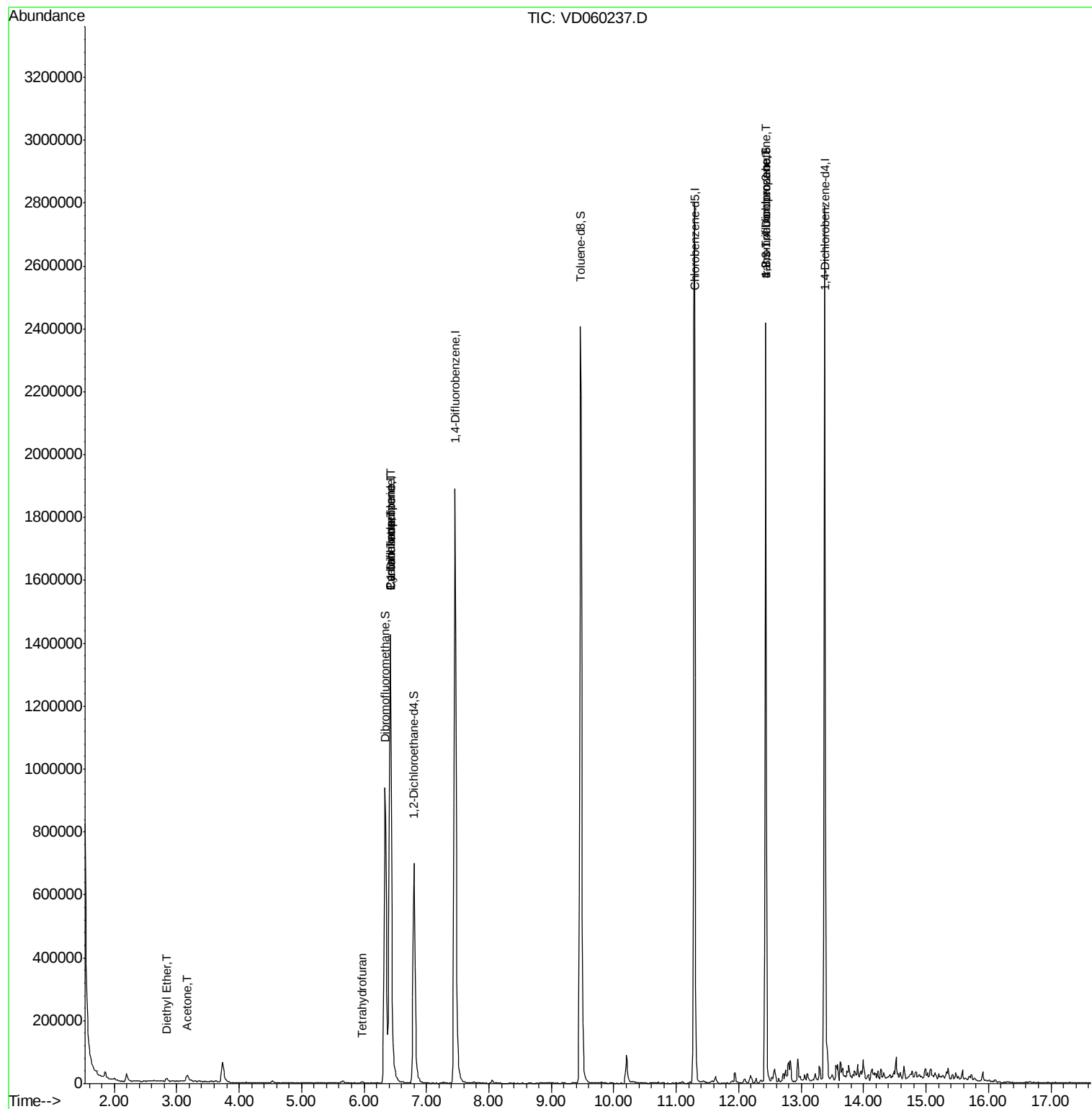
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.84	74	2698	1.088	ug/l	87
16) Acetone	3.17	43	44801	22.446	ug/l	92
20) Methylene Chloride	3.74	84	40564	Below Cal		95
29) Tetrahydrofuran	5.97	42	2925	1.010	ug/l #	76
31) Cyclohexane	6.41	56	29188	1.225	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	99130	5.075	ug/l #	46
38) Carbon Tetrachloride	6.42	117	116887	6.593	ug/l #	15
76) 1,2,3-Trichloropropane	12.44	75	280295	28.075	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.44	75	280121	99.853	ug/l #	13

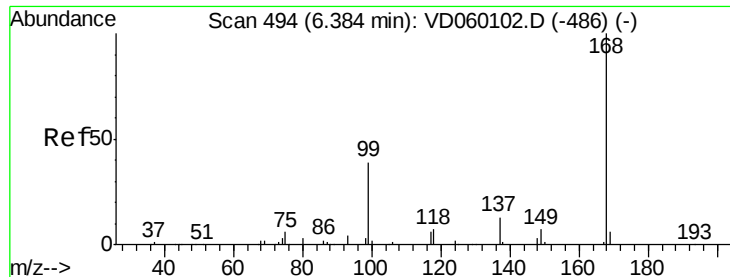
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102918\
Data File : VD060237.D
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Quant Time: Oct 30 01:37:11 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
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: 6.42 min Scan# 498

Delta R.T. 0.04 min

Lab File: VD060237.D

Acq: 29 Oct 2018 19:02

Instrument :

MSVOA_D

ClientSampleId :

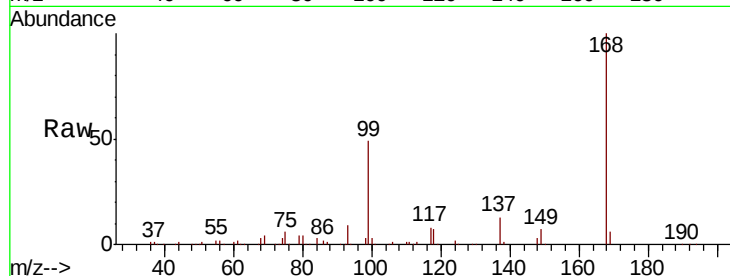
HR-05-102618-A

Tot Ion:168 Resp: 1451128

Ion Ratio Lower Upper

168 100

99 48.6 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

500000

400000

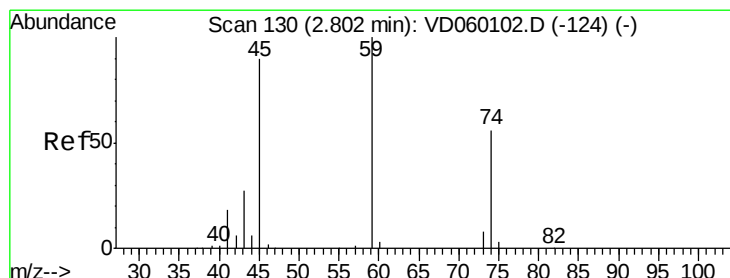
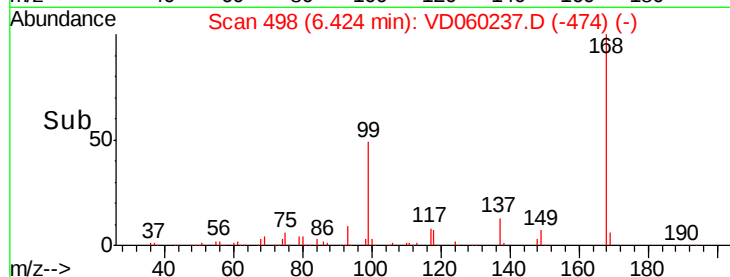
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 1.088 ug/l

RT: 2.84 min Scan# 134

Delta R.T. 0.04 min

Lab File: VD060237.D

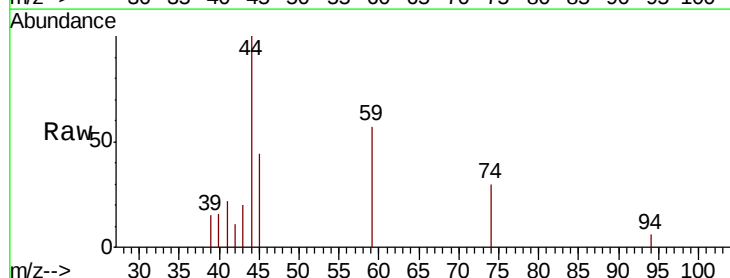
Acq: 29 Oct 2018 19:02

Tgt Ion: 74 Resp: 2698

Ion Ratio Lower Upper

74 100

45 143.7 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

3000

2500

2000

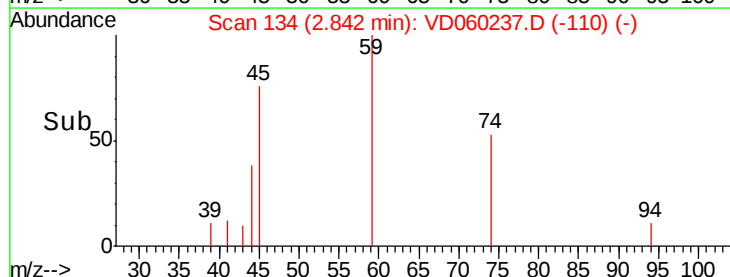
1500

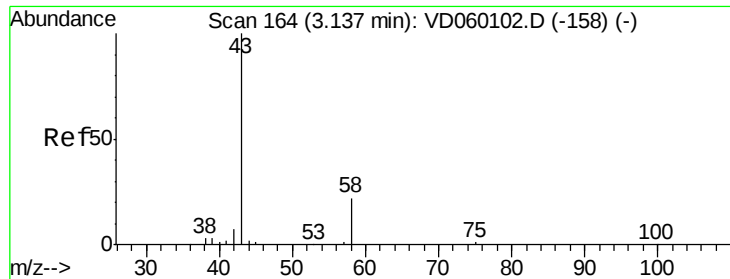
1000

500

0

Time-->





#16

Acetone

Concen: 22.446 ug/l

RT: 3.17 min Scan# 167

Delta R.T. 0.03 min

Lab File: VD060237.D

Acq: 29 Oct 2018 19:02

Instrument :

MSVOA_D

ClientSampleId :

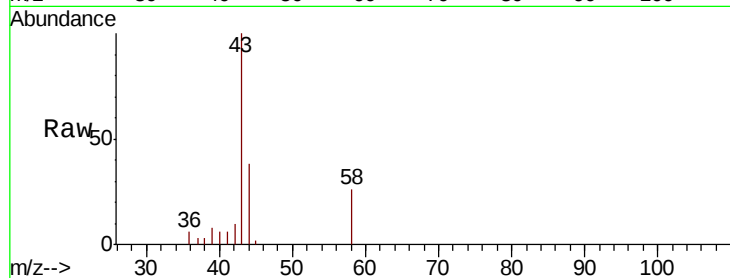
HR-05-102618-A

Tot Ion: 43 Resp: 44801

Ion Ratio Lower Upper

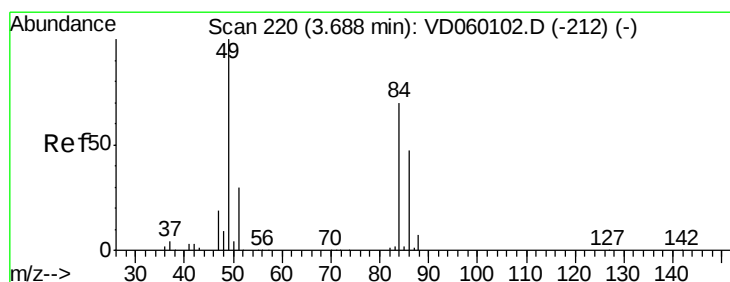
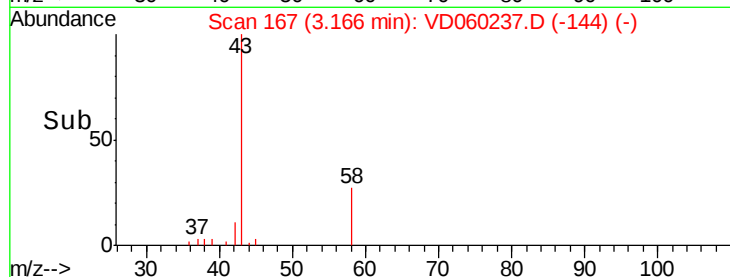
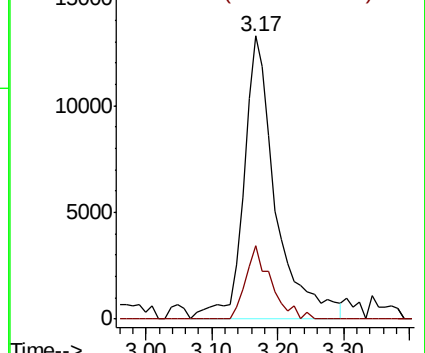
43 100

58 25.8 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 3.74 min Scan# 225

Delta R.T. 0.05 min

Lab File: VD060237.D

Acq: 29 Oct 2018 19:02

Tgt Ion: 84 Resp: 40564

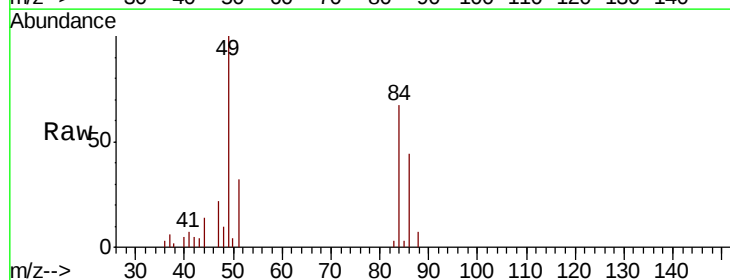
Ion Ratio Lower Upper

84 100

49 148.5 114.6 172.0

51 47.8 33.8 50.8

86 64.6 53.3 79.9

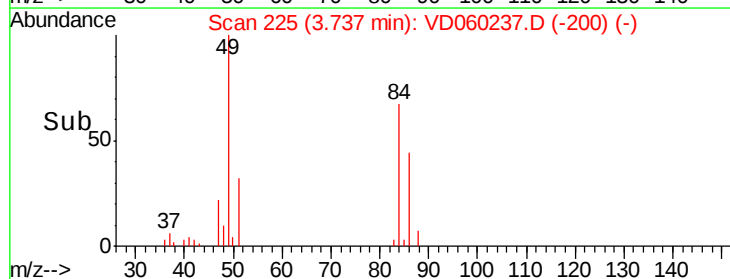
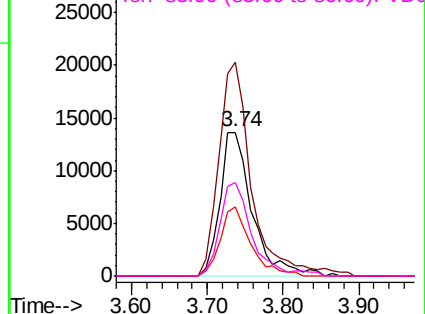


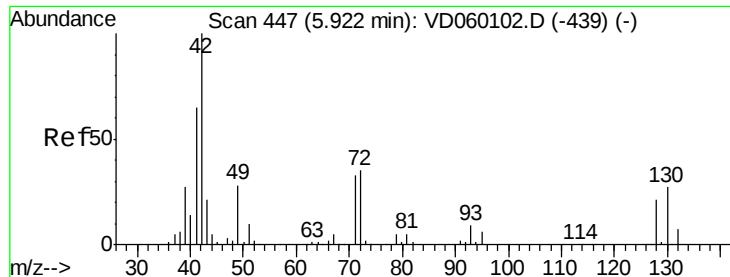
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#29

Tetrahydrofuran

Concen: 1.010 ug/l

RT: 5.97 min Scan# 452

Delta R.T. 0.05 min

Lab File: VD060237.D

Acq: 29 Oct 2018 19:02

Instrument :

MSVOA_D

ClientSampleId :

HR-05-102618-A

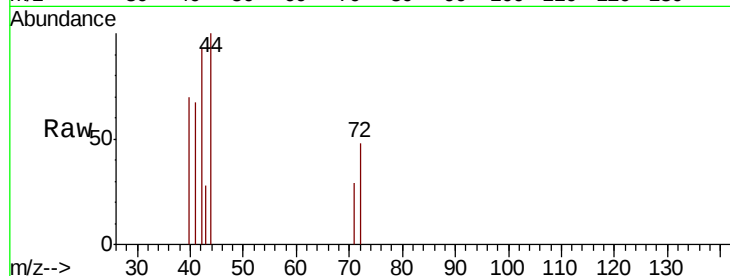
Tot Ion: 42 Resp: 2925

Ion Ratio Lower Upper

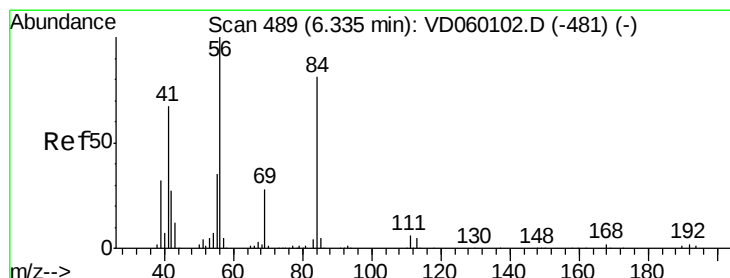
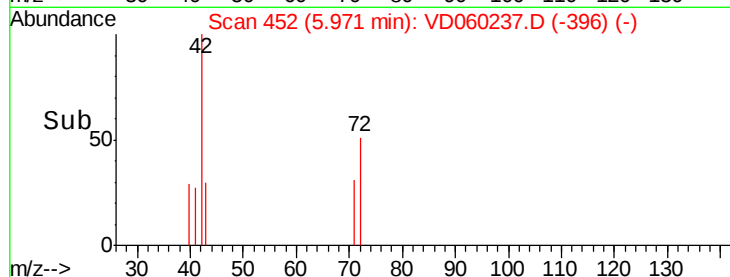
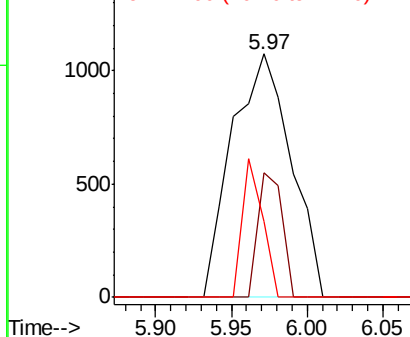
42 100

72 21.1 26.9 40.3#

71 19.1 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: 1.225 ug/l

RT: 6.41 min Scan# 497

Delta R.T. 0.08 min

Lab File: VD060237.D

Acq: 29 Oct 2018 19:02

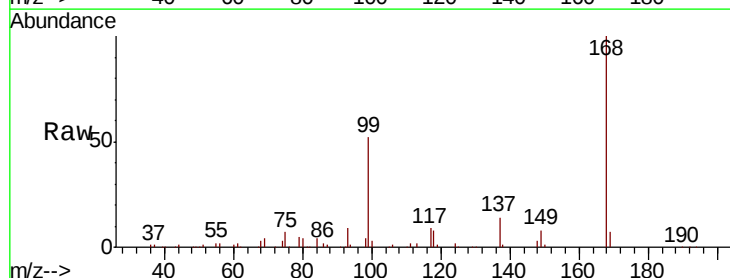
Tgt Ion: 56 Resp: 29188

Ion Ratio Lower Upper

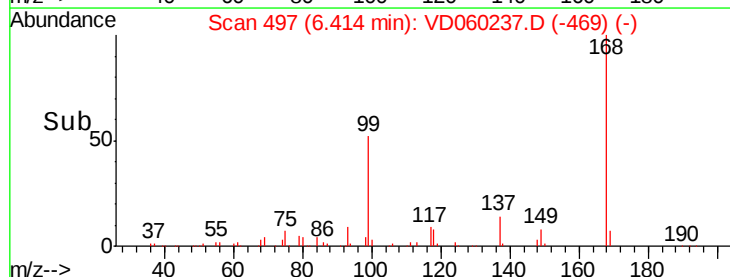
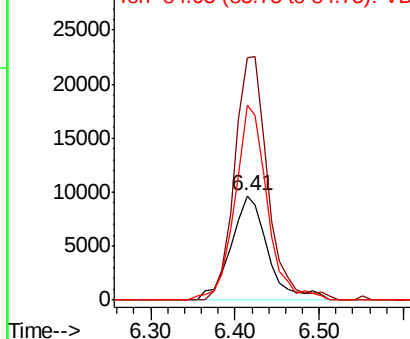
56 100

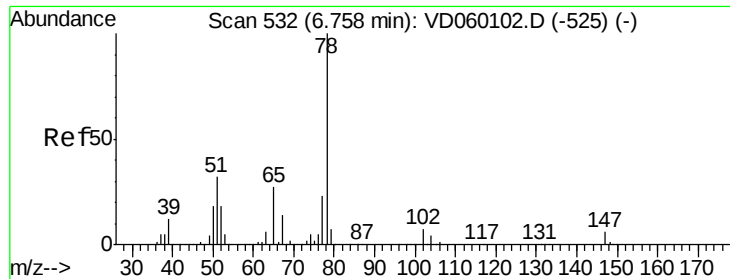
69 233.0 22.8 34.2#

84 186.9 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: 6.80 min Scan# 536

Delta R.T. 0.04 min

Lab File: VD060237.D

Acq: 29 Oct 2018 19:02

Instrument :

MSVOA_D

ClientSampleId :

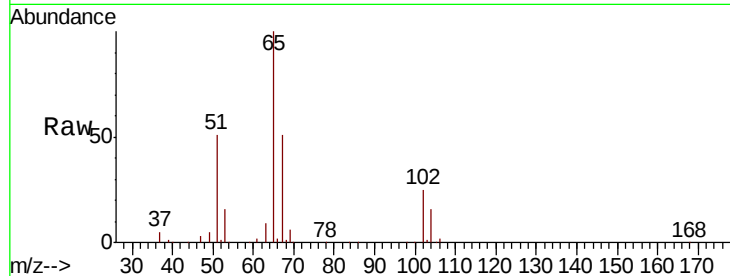
HR-05-102618-A

Tot Ion: 65 Resp: 594670

Ion Ratio Lower Upper

65 100

67 51.5 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.80

250000

200000

150000

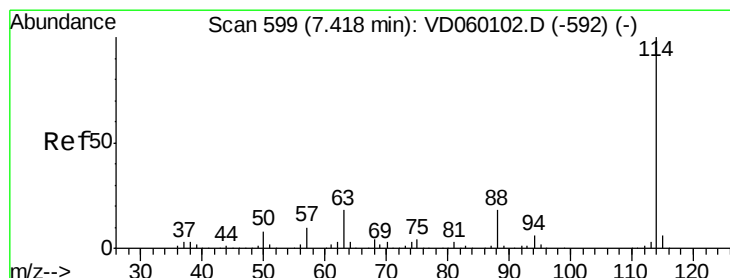
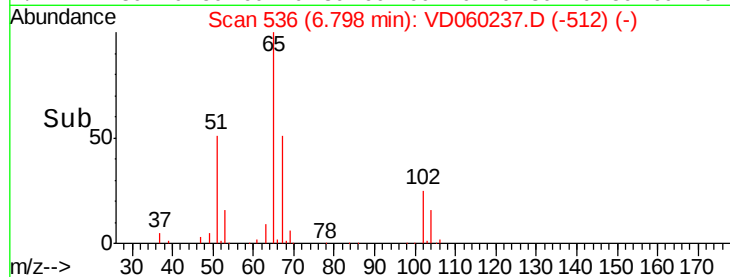
100000

50000

0

6.70 6.80 6.90 7.00

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.46 min Scan# 603

Delta R.T. 0.04 min

Lab File: VD060237.D

Acq: 29 Oct 2018 19:02

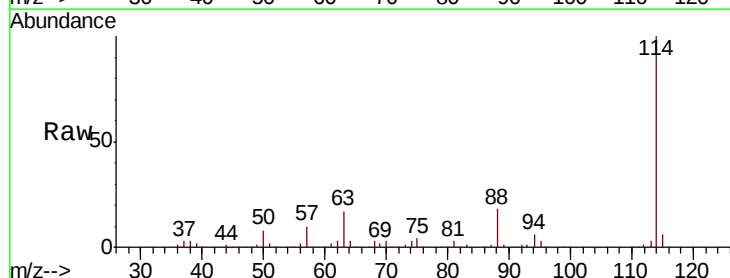
Tgt Ion: 114 Resp: 2044118

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.0

88 18.0 0.0 36.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1000000

800000

600000

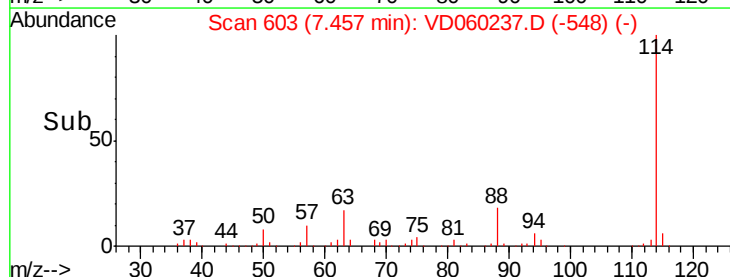
400000

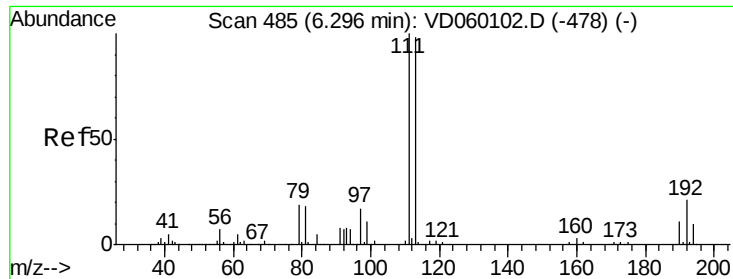
200000

0

7.30 7.40 7.50 7.60 7.70

Time-->

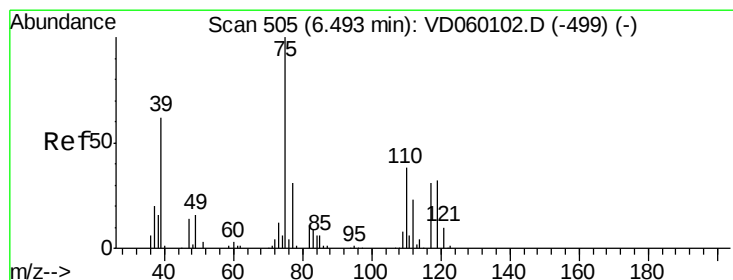
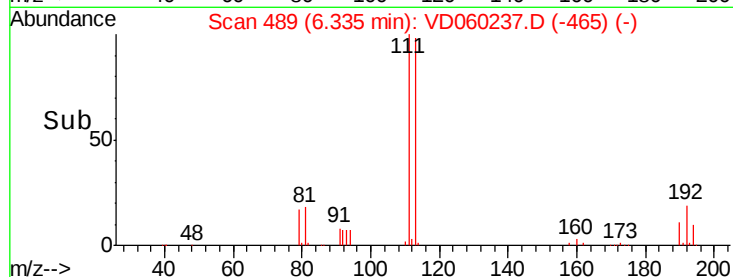
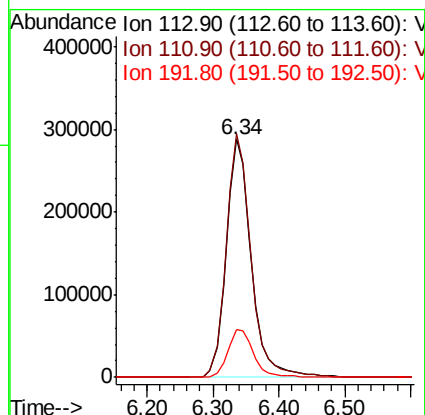
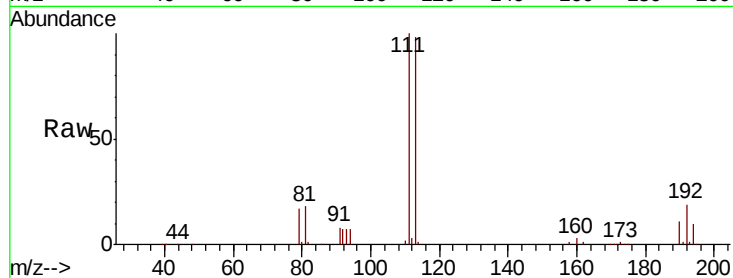




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.34 min Scan# 489
 Delta R.T. 0.04 min
 Lab File: VD060237.D
 Acq: 29 Oct 2018 19:02

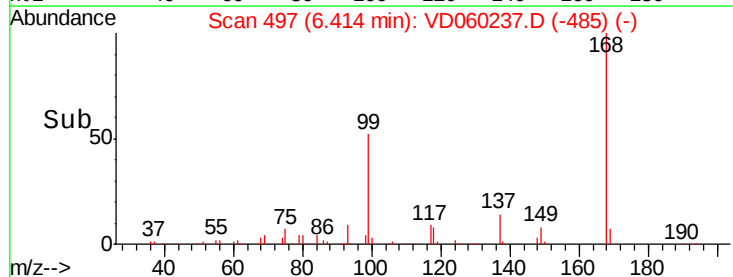
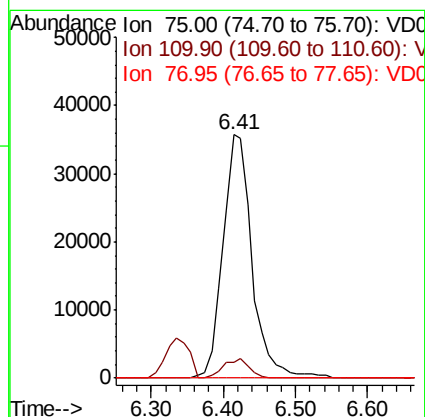
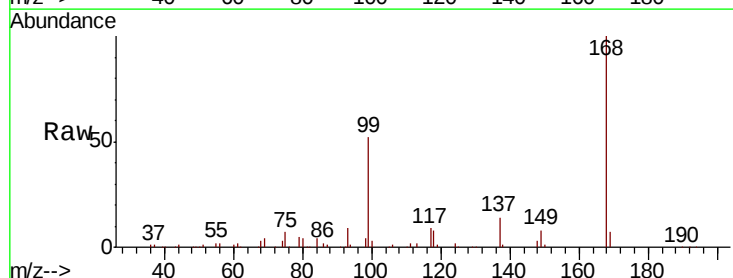
Instrument :
 MSVOA_D
 ClientSampleId :
 HR-05-102618-A

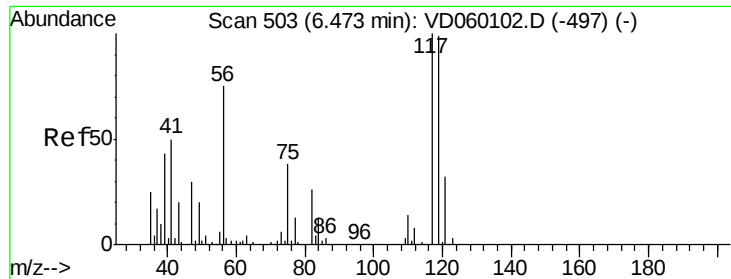
Tot Ion:113 Resp: 763116
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.5 122.3
 192 19.9 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 5.075 ug/l
 RT: 6.41 min Scan# 497
 Delta R.T. -0.08 min
 Lab File: VD060237.D
 Acq: 29 Oct 2018 19:02

Tgt Ion: 75 Resp: 99130
 Ion Ratio Lower Upper
 75 100
 110 6.5 19.0 57.0#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.593 ug/l

RT: 6.42 min Scan# 498

Delta R.T. -0.05 min

Lab File: VD060237.D

Acq: 29 Oct 2018 19:02

Instrument :

MSVOA_D

ClientSampleId :

HR-05-102618-A

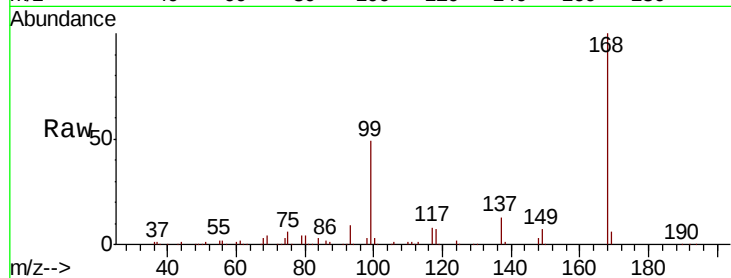
Tot Ion:117 Resp: 116887

Ion Ratio Lower Upper

117 100

119 4.4 77.8 116.6#

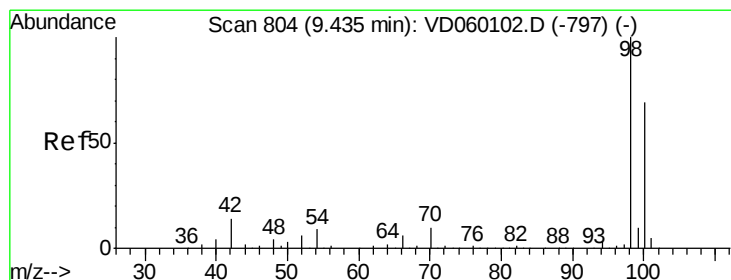
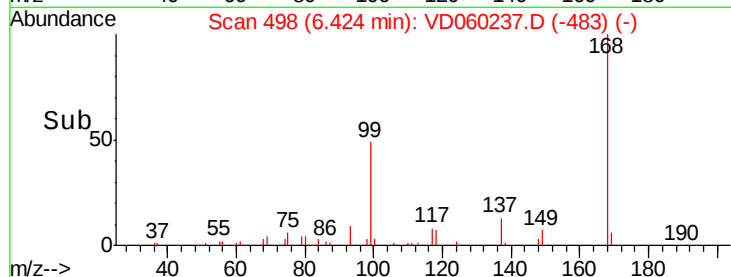
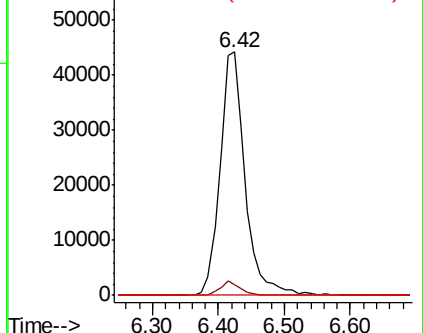
121 0.0 24.8 37.2#



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: 9.46 min Scan# 807

Delta R.T. 0.03 min

Lab File: VD060237.D

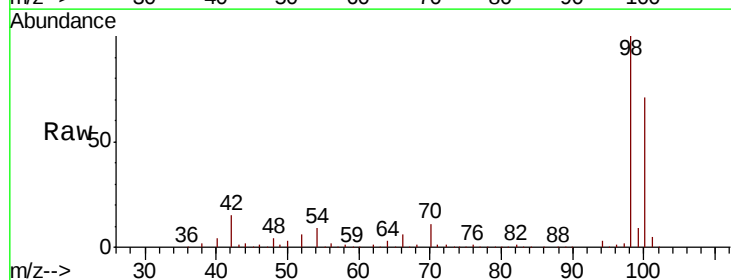
Acq: 29 Oct 2018 19:02

Tgt Ion: 98 Resp: 1982759

Ion Ratio Lower Upper

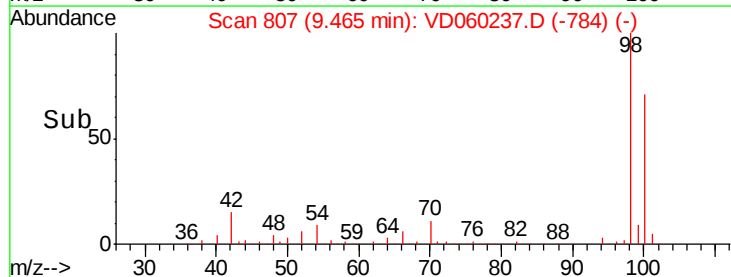
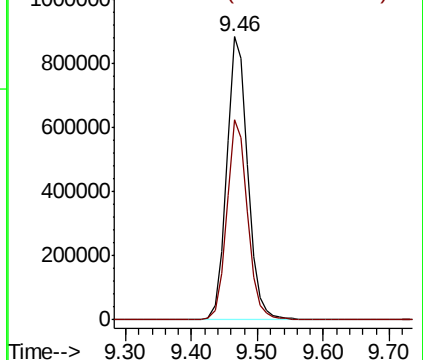
98 100

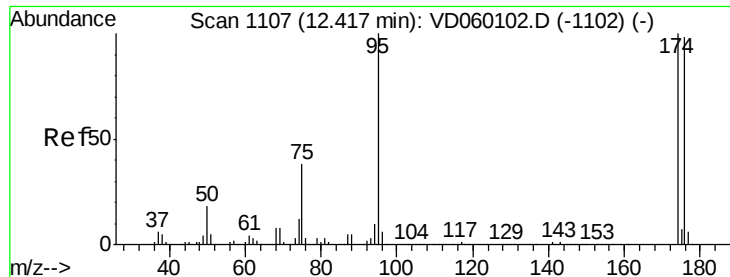
100 70.5 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.02 min

Lab File: VD060237.D

Acq: 29 Oct 2018 19:02

Instrument :

MSVOA_D

ClientSampleId :

HR-05-102618-A

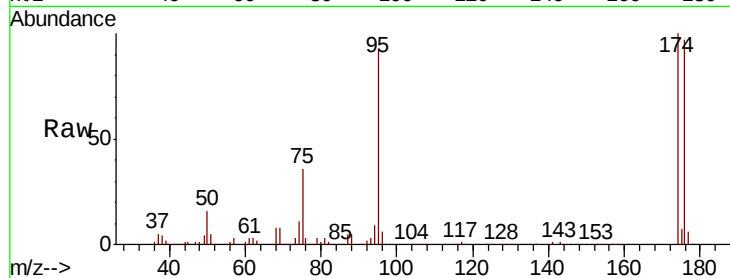
Tot Ion: 95 Resp: 706758

Ion Ratio Lower Upper

95 100

174 107.3 0.0 200.2

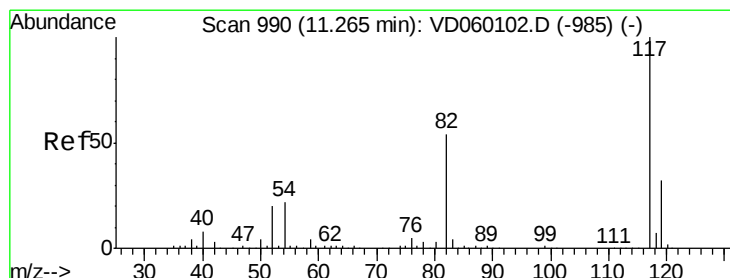
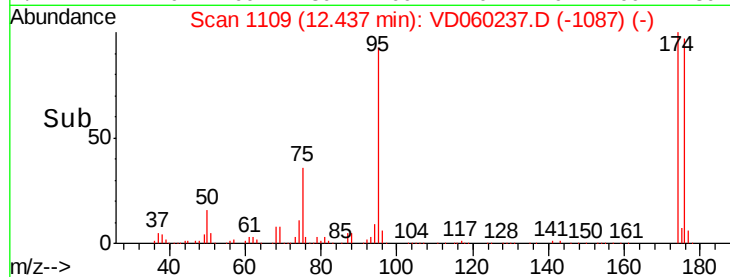
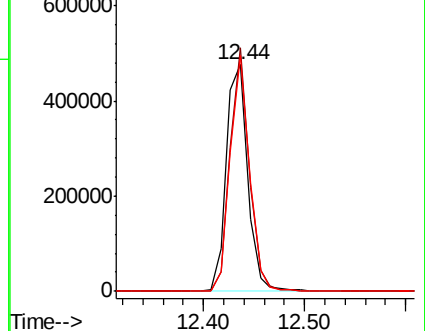
176 103.8 0.0 195.6



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: 11.30 min Scan# 993

Delta R.T. 0.03 min

Lab File: VD060237.D

Acq: 29 Oct 2018 19:02

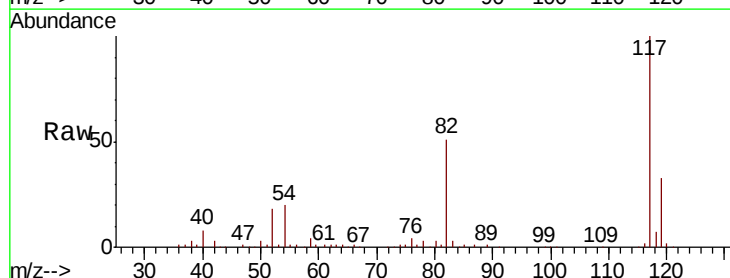
Tgt Ion: 117 Resp: 1576611

Ion Ratio Lower Upper

117 100

82 50.7 43.4 65.2

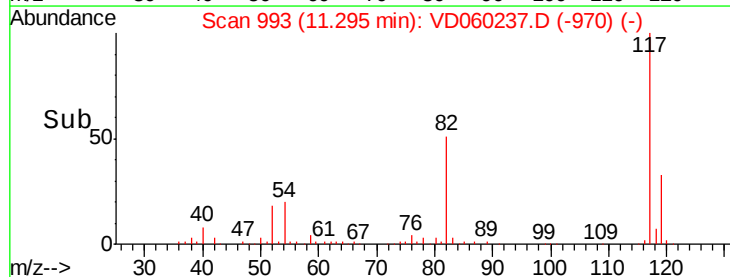
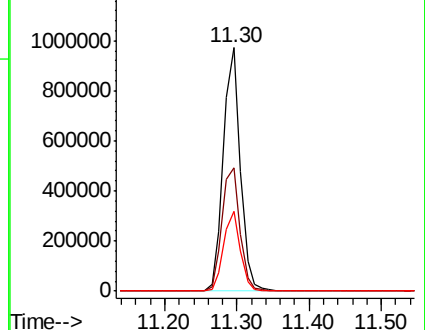
119 32.6 26.0 39.0

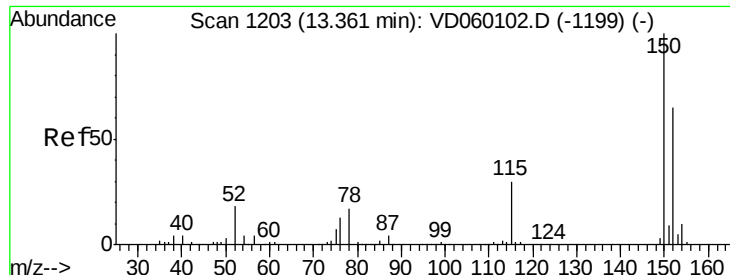


Abundance Ion 116.95 (116.65 to 117.65): V

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: 13.38 min Scan# 1205

Delta R.T. 0.02 min

Lab File: VD060237.D

Acq: 29 Oct 2018 19:02

Instrument :

MSVOA_D

ClientSampleId :

HR-05-102618-A

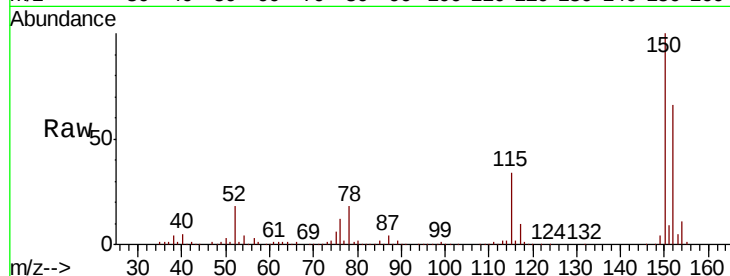
Tot Ion:152 Resp: 693264

Ion Ratio Lower Upper

152 100

115 51.3 27.1 81.2

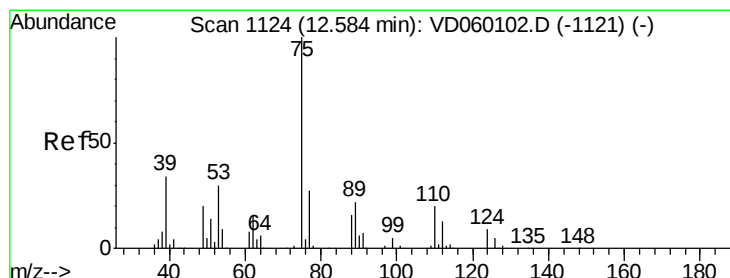
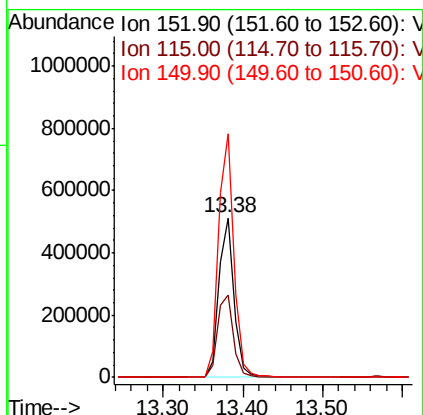
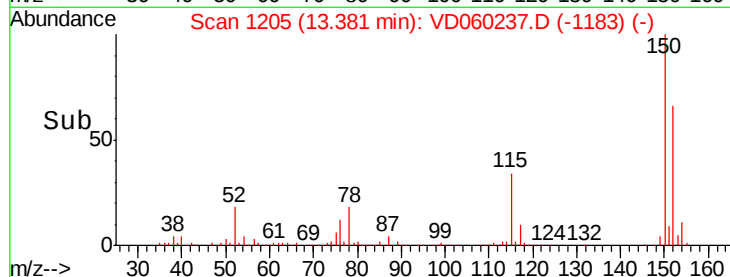
150 152.5 0.0 311.8



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: 28.075 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.15 min

Lab File: VD060237.D

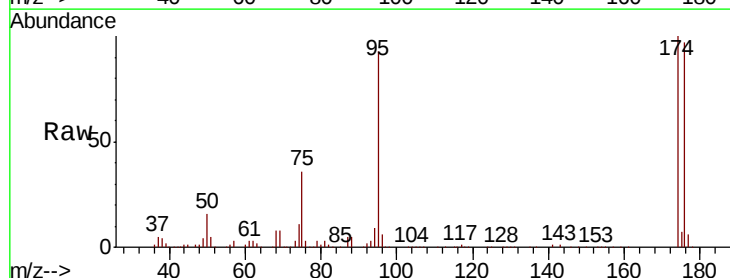
Acq: 29 Oct 2018 19:02

Tgt Ion: 75 Resp: 280295

Ion Ratio Lower Upper

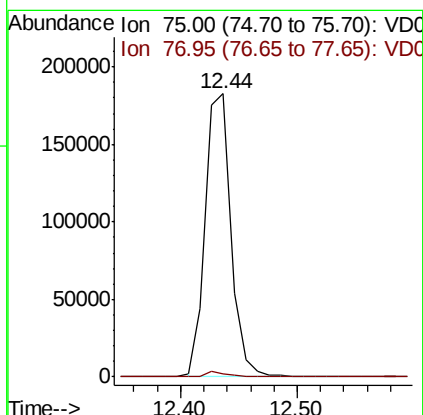
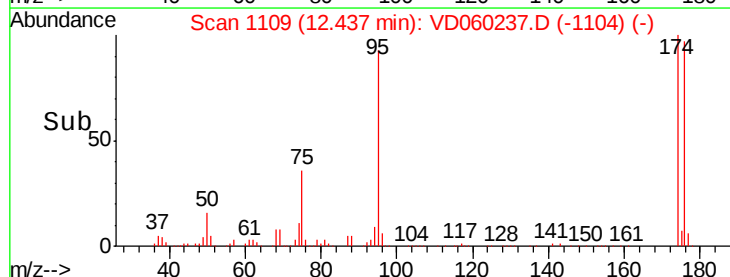
75 100

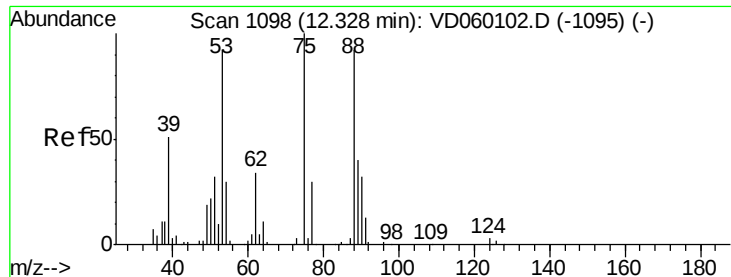
77 1.3 16.3 48.9#



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: 99.853 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.11 min

Lab File: VD060237.D

Acq: 29 Oct 2018 19:02

Instrument :

MSVOA_D

ClientSampleId :

HR-05-102618-A

Tot Ion: 75 Resp: 280121

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.6#

89 0.0 32.0 48.0#

