

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103118\
 Data File : VD060249.D
 Acq On : 31 Oct 2018 18:45
 Operator : VA/AP
 Sample : J5202-13
 Misc : 6.19g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-03-103018-A

Quant Time: Oct 31 23:54:48 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

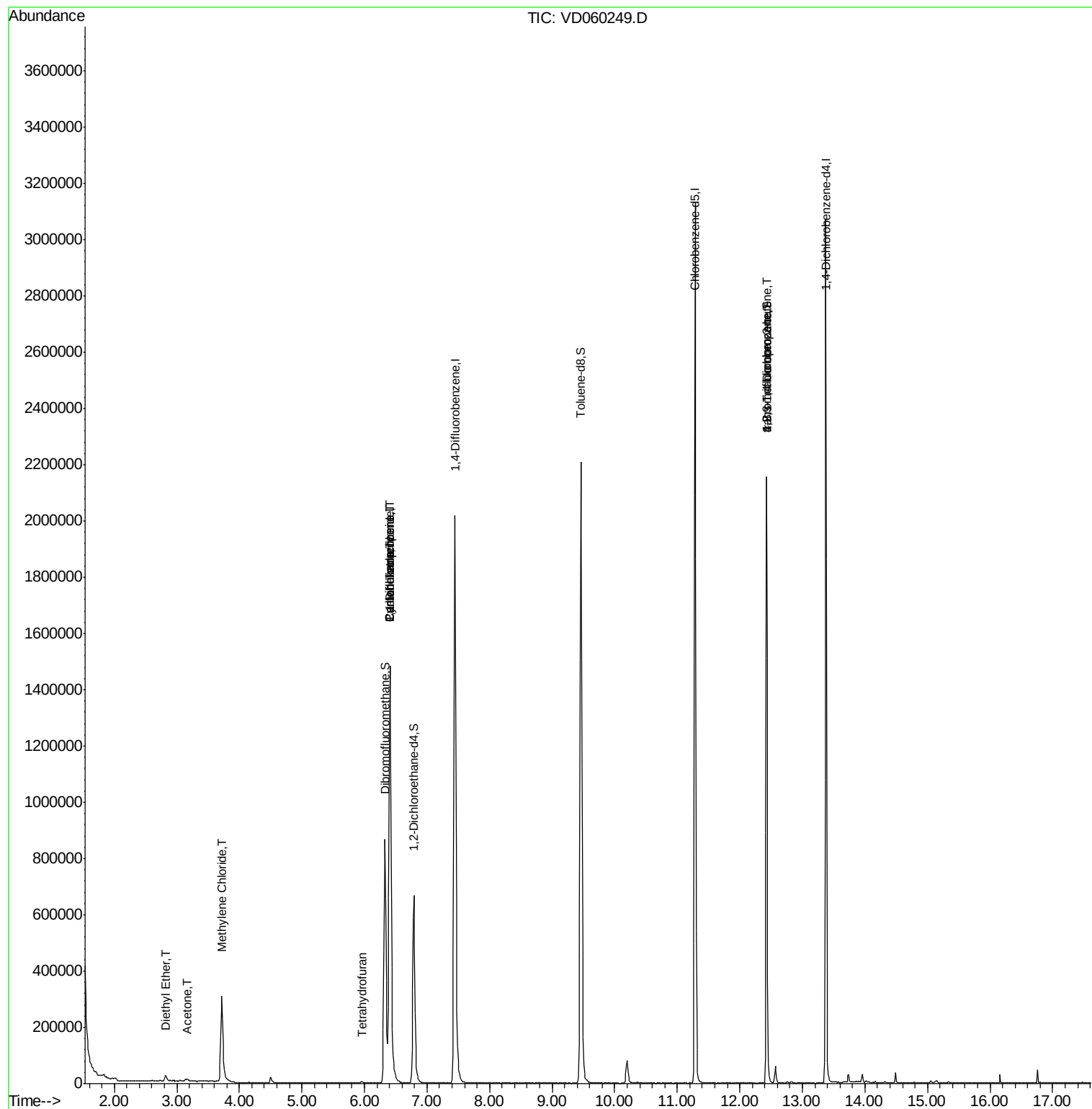
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1493308	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.45	114	2174823	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.29	117	1649602	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	682788	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	541783	47.86	ug/l	0.03
Spiked Amount 50.000			Recovery	=	95.72%	
35) Dibromofluoromethane	6.33	113	685943	41.53	ug/l	0.03
Spiked Amount 50.000			Recovery	=	83.06%	
50) Toluene-d8	9.46	98	1822611	38.70	ug/l	0.02
Spiked Amount 50.000			Recovery	=	77.40%	
62) 4-Bromofluorobenzene	12.43	95	608591	34.51	ug/l	0.01
Spiked Amount 50.000			Recovery	=	69.02%	
Target Compounds						
8) Diethyl Ether	2.82	74	7903	3.096	ug/l	83
16) Acetone	3.16	43	14767	7.190	ug/l	92
20) Methylene Chloride	3.72	84	182040	7.614	ug/l	98
29) Tetrahydrofuran	5.95	42	4448	1.492	ug/l #	82
31) Cyclohexane	6.40	56	26478	1.080	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	101399	4.879	ug/l #	48
38) Carbon Tetrachloride	6.40	117	114789	6.086	ug/l #	15
76) 1,2,3-Trichloropropane	12.43	75	237083	24.111	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.43	75	243290	88.055	ug/l #	13

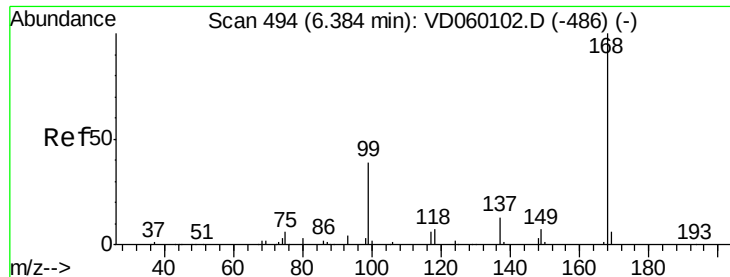
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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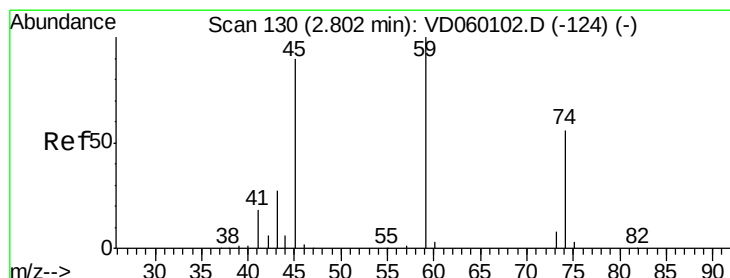
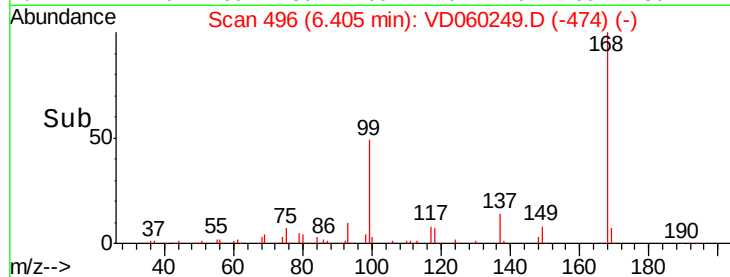
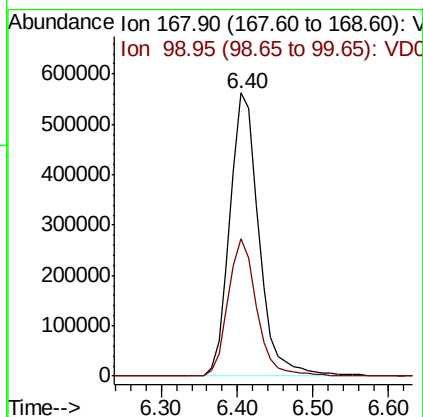
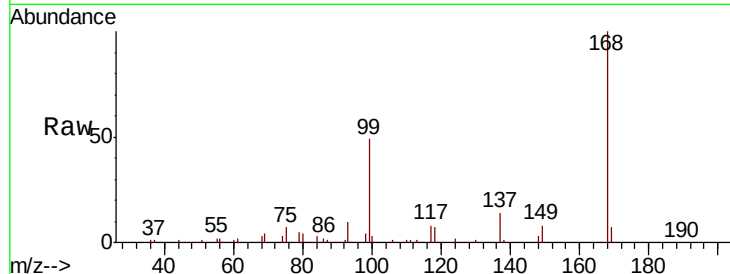




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 6.40 min Scan# 496
Delta R.T. 0.02 min
Lab File: VD060249.D
Acq: 31 Oct 2018 18:45

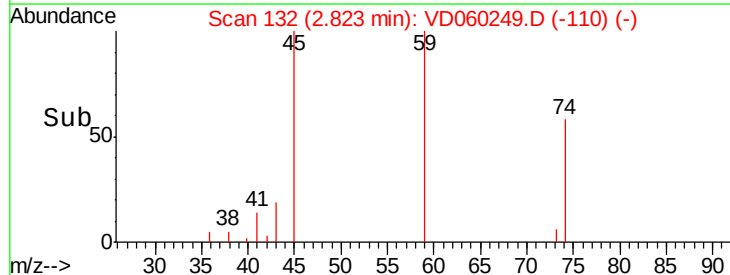
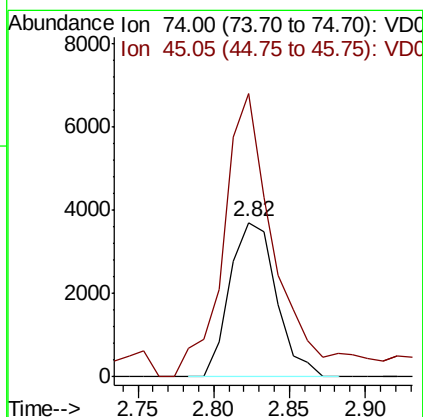
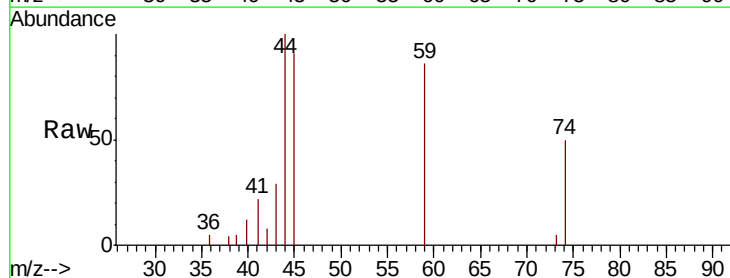
Instrument :
MSVOA_D
ClientSampleId :
PL-03-103018-A

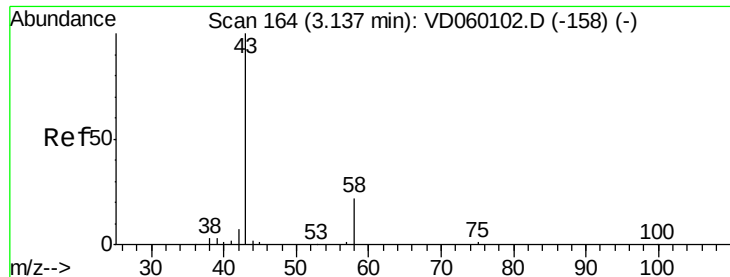
Tot Ion:168 Resp: 1493308
Ion Ratio Lower Upper
168 100
99 48.7 35.4 53.0



#8
Diethyl Ether
Concen: 3.096 ug/l
RT: 2.82 min Scan# 132
Delta R.T. 0.02 min
Lab File: VD060249.D
Acq: 31 Oct 2018 18:45

Tgt Ion: 74 Resp: 7903
Ion Ratio Lower Upper
74 100
45 183.4 80.3 241.0





#16

Acetone

Concen: 7.190 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060249.D

Acq: 31 Oct 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

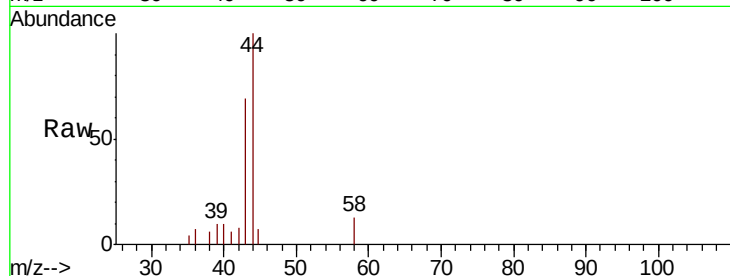
PL-03-103018-A

Tot Ion: 43 Resp: 14767

Ion Ratio Lower Upper

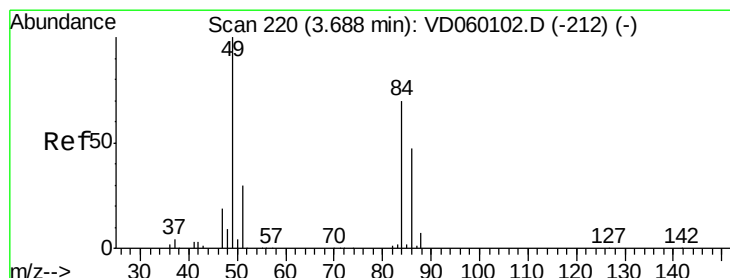
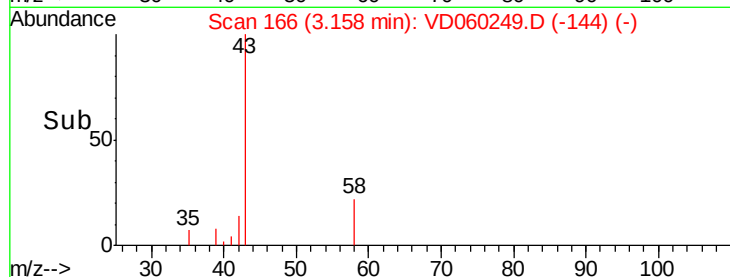
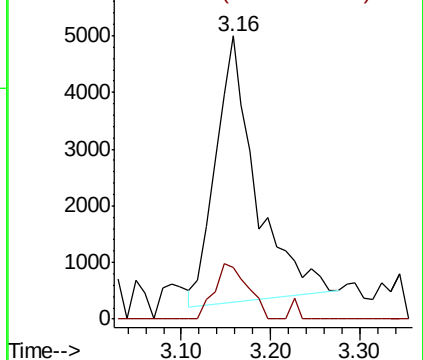
43 100

58 18.4 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: 7.614 ug/l

RT: 3.72 min Scan# 223

Delta R.T. 0.03 min

Lab File: VD060249.D

Acq: 31 Oct 2018 18:45

Tgt Ion: 84 Resp: 182040

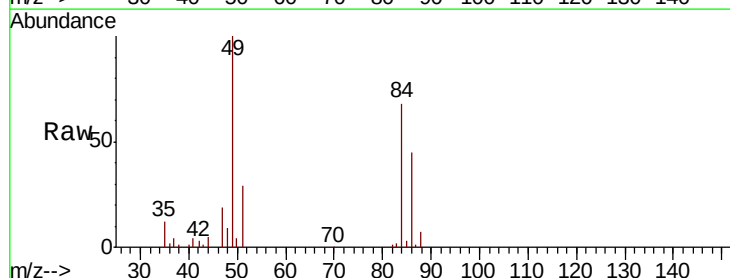
Ion Ratio Lower Upper

84 100

49 146.5 114.6 172.0

51 42.5 33.8 50.8

86 66.5 53.3 79.9

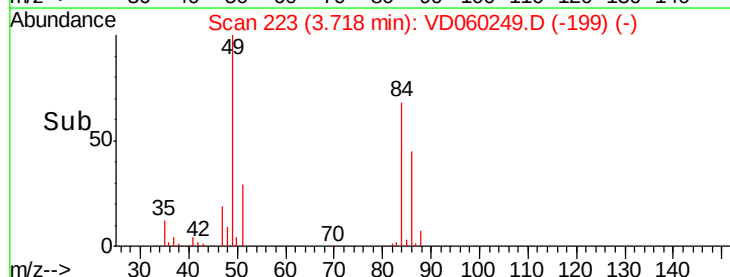
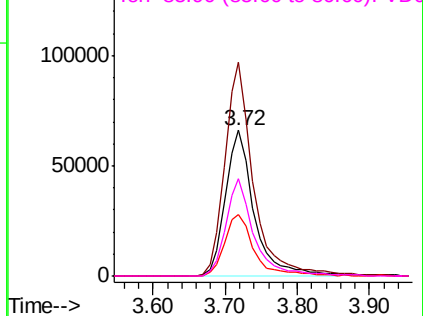


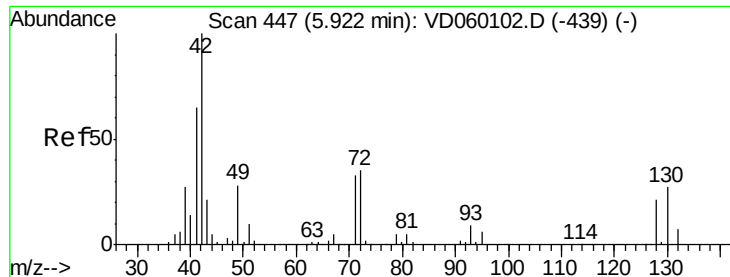
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.492 ug/l

RT: 5.95 min Scan# 450

Delta R.T. 0.03 min

Lab File: VD060249.D

Acq: 31 Oct 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

PL-03-103018-A

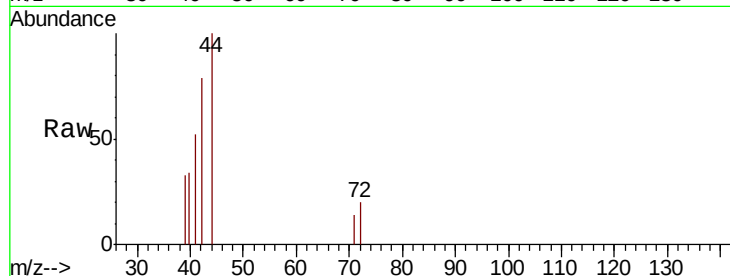
Tot Ion: 42 Resp: 4448

Ion Ratio Lower Upper

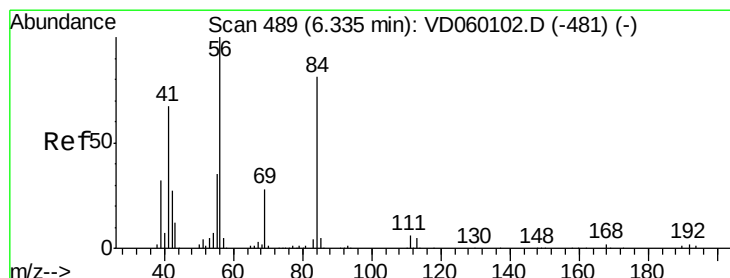
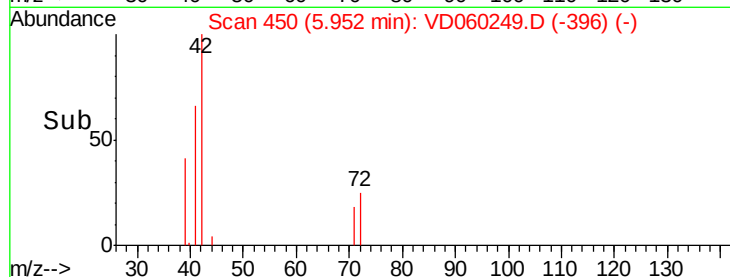
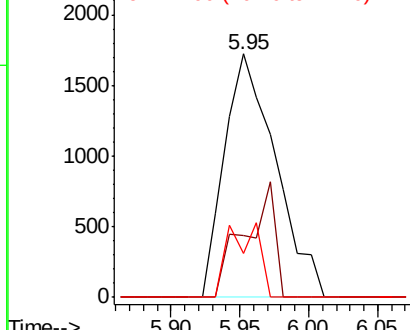
42 100

72 28.1 26.9 40.3

71 17.9 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: 1.080 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.07 min

Lab File: VD060249.D

Acq: 31 Oct 2018 18:45

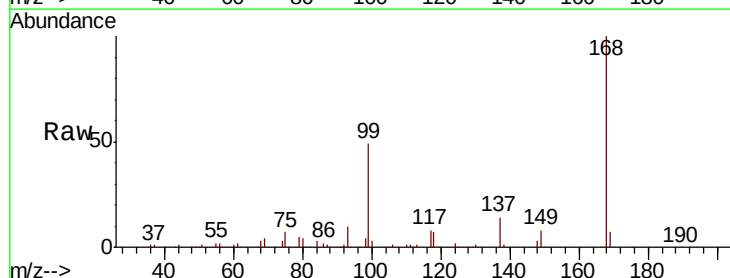
Tgt Ion: 56 Resp: 26478

Ion Ratio Lower Upper

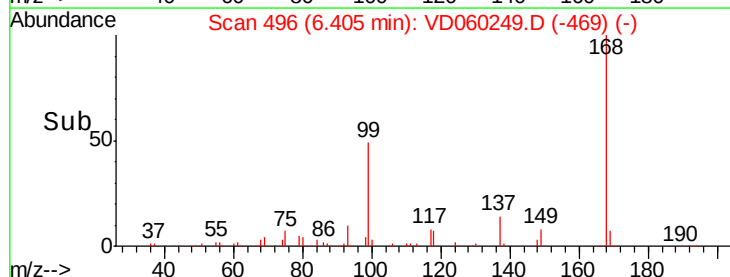
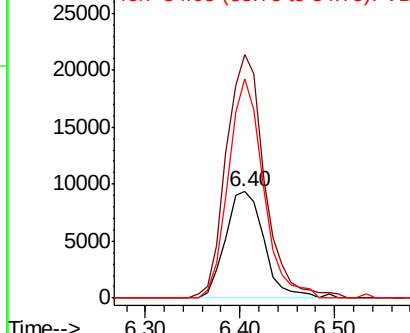
56 100

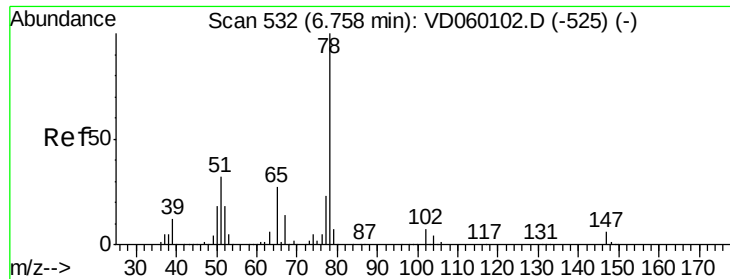
69 228.6 22.8 34.2#

84 205.4 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: 6.79 min Scan# 535

Delta R.T. 0.03 min

Lab File: VD060249.D

Acq: 31 Oct 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

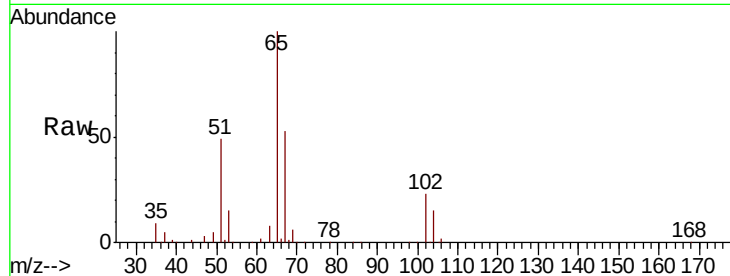
PL-03-103018-A

Tot Ion: 65 Resp: 541783

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

100000

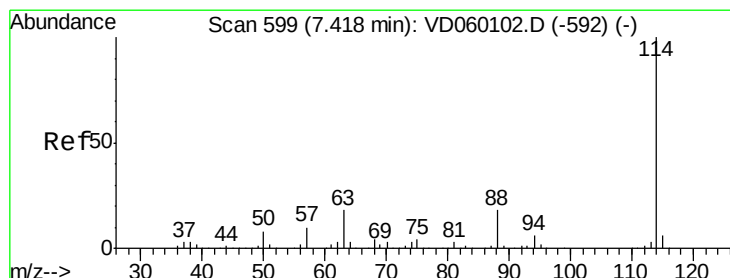
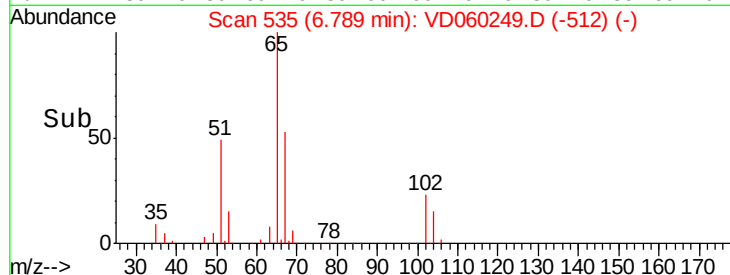
50000

0

6.79

6.70 6.80 6.90 7.00

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. 0.03 min

Lab File: VD060249.D

Acq: 31 Oct 2018 18:45

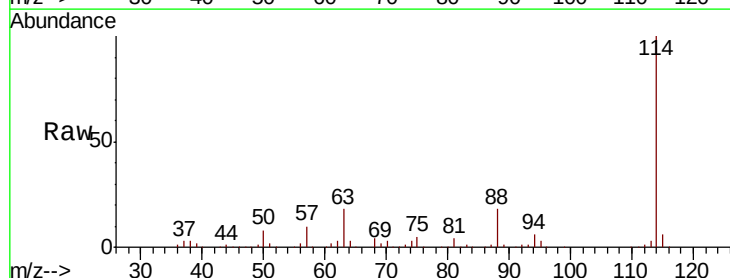
Tgt Ion: 114 Resp: 2174823

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.0

88 18.0 0.0 36.2



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

1200000

1000000

800000

600000

400000

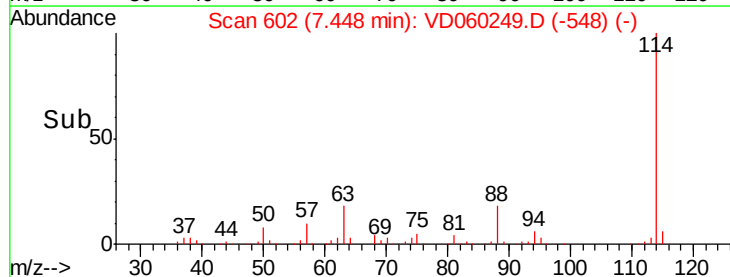
200000

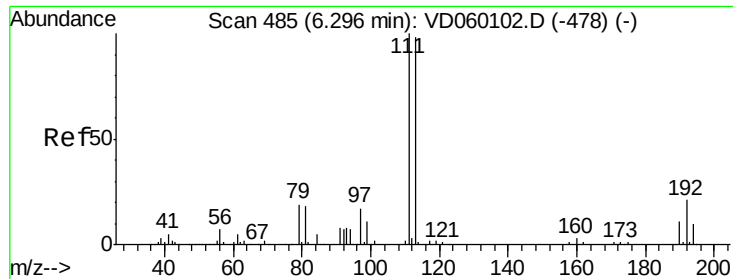
0

7.45

7.40 7.60

Time-->

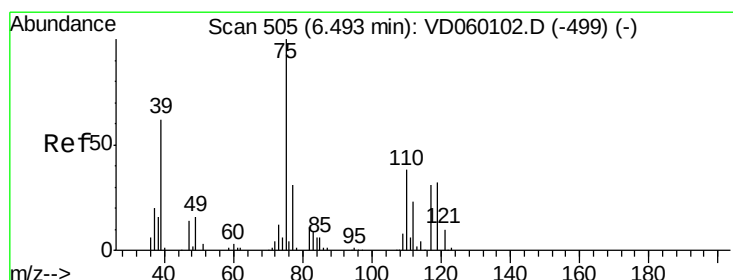
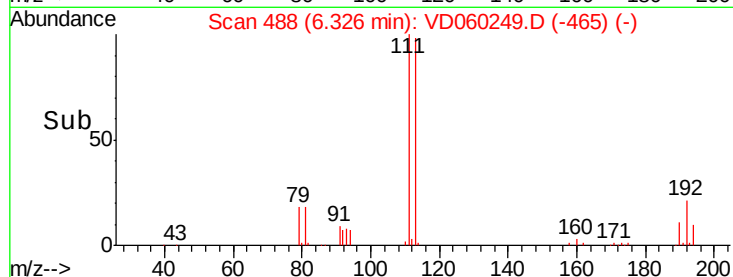
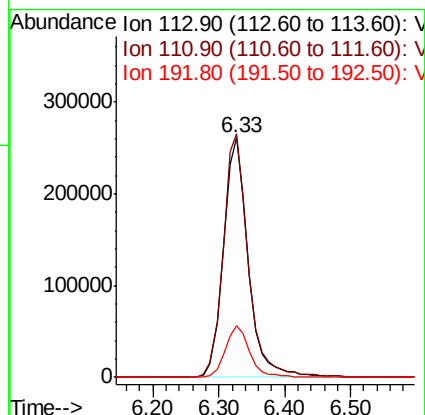
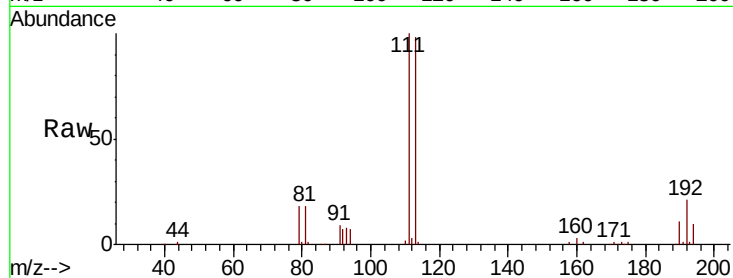




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VD060249.D
 Acq: 31 Oct 2018 18:45

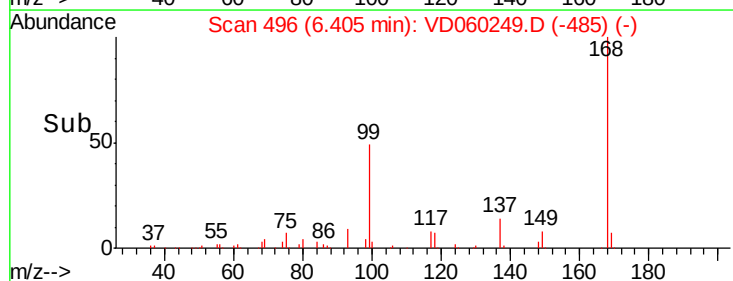
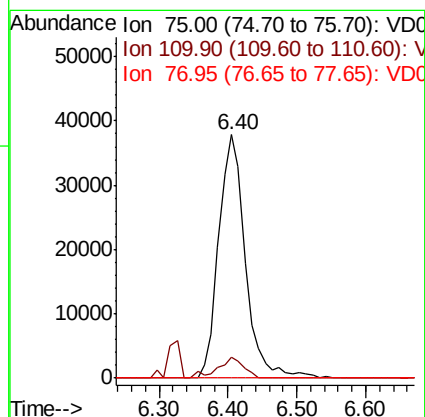
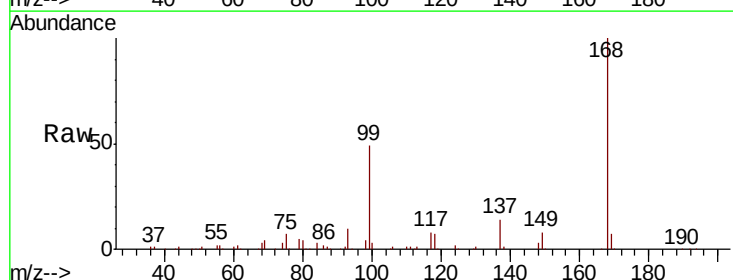
Instrument :
 MSVOA_D
 ClientSampleId :
 PL-03-103018-A

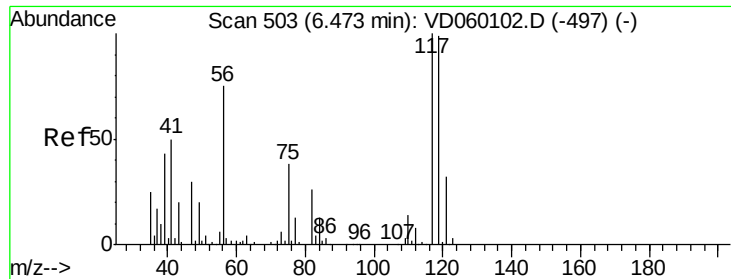
Tot Ion:113 Resp: 685943
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.5 122.3
 192 21.7 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 4.879 ug/l
 RT: 6.40 min Scan# 496
 Delta R.T. -0.09 min
 Lab File: VD060249.D
 Acq: 31 Oct 2018 18:45

Tgt Ion: 75 Resp: 101399
 Ion Ratio Lower Upper
 75 100
 110 8.7 19.0 57.0#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.086 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.07 min

Lab File: VD060249.D

Acq: 31 Oct 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

PL-03-103018-A

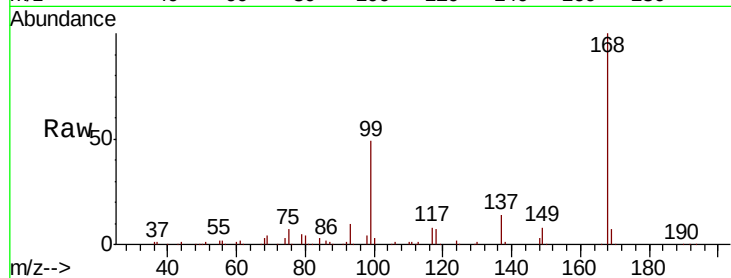
Tot Ion:117 Resp: 114789

Ion Ratio Lower Upper

117 100

119 4.8 77.8 116.6#

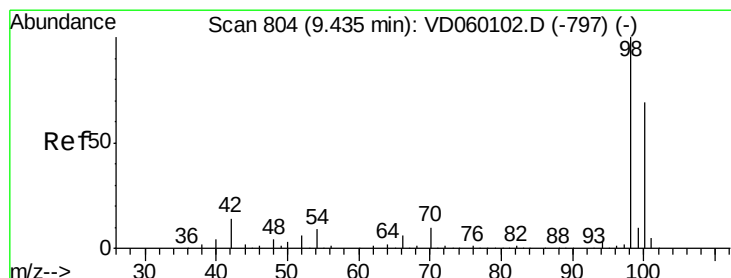
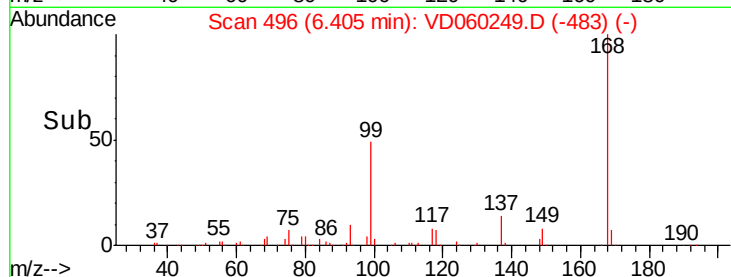
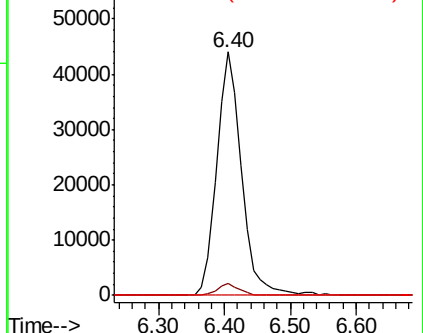
121 0.0 24.8 37.2#



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# 806

Delta R.T. 0.02 min

Lab File: VD060249.D

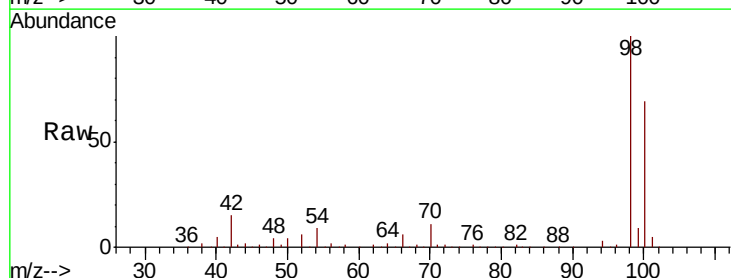
Acq: 31 Oct 2018 18:45

Tgt Ion: 98 Resp: 1822611

Ion Ratio Lower Upper

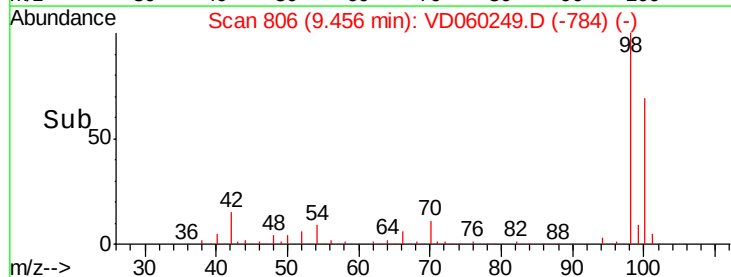
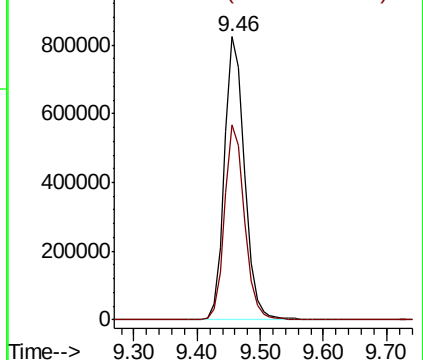
98 100

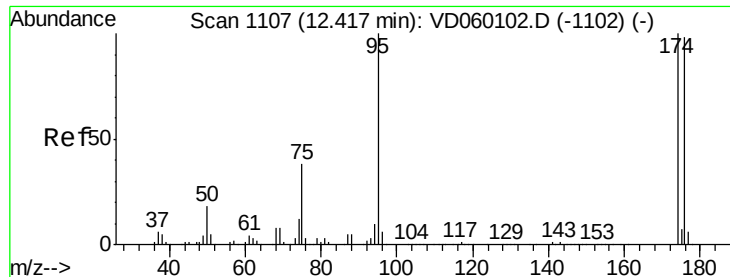
100 68.9 55.4 83.0



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: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060249.D

Acq: 31 Oct 2018 18:45

Instrument :

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PL-03-103018-A

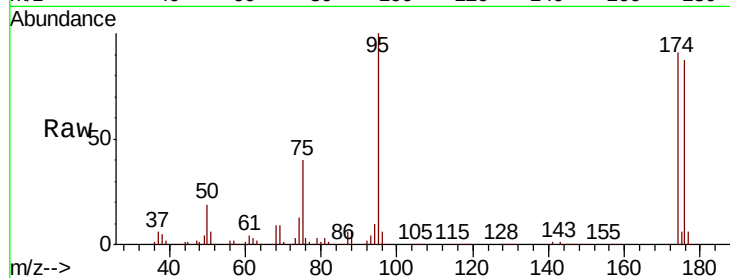
Tot Ion: 95 Resp: 608591

Ion Ratio Lower Upper

95 100

174 91.2 0.0 200.2

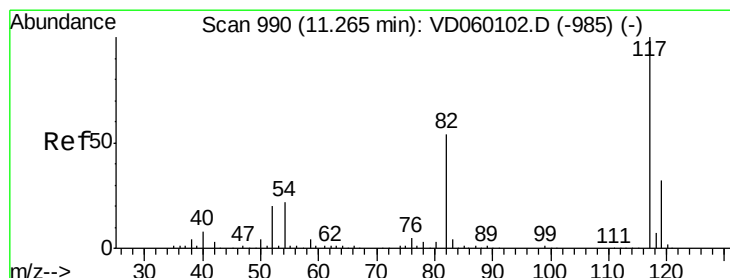
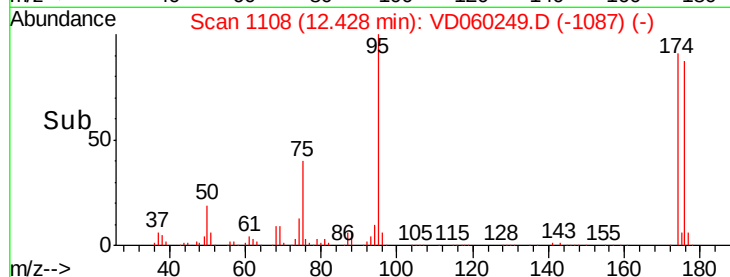
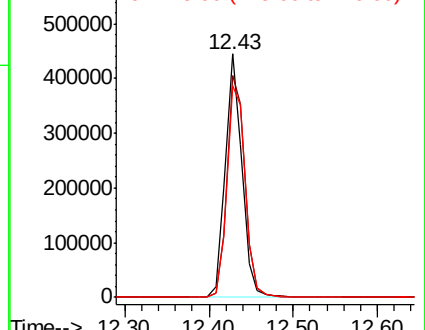
176 86.9 0.0 195.6



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: 11.29 min Scan# 992

Delta R.T. 0.02 min

Lab File: VD060249.D

Acq: 31 Oct 2018 18:45

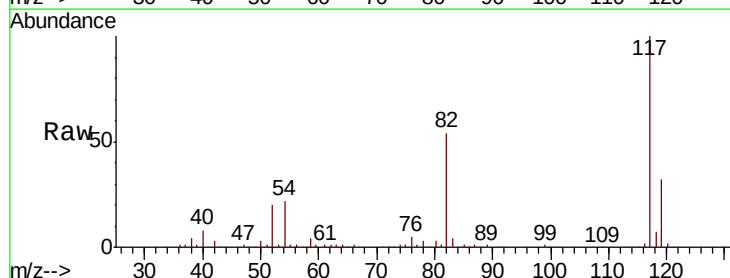
Tgt Ion: 117 Resp: 1649602

Ion Ratio Lower Upper

117 100

82 53.8 43.4 65.2

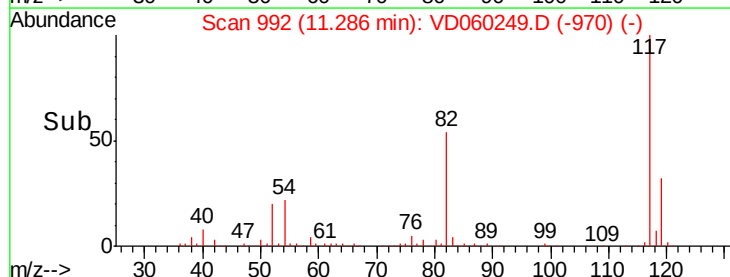
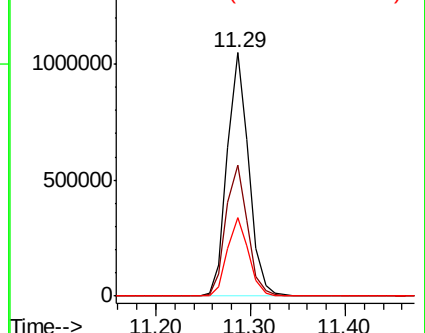
119 32.4 26.0 39.0

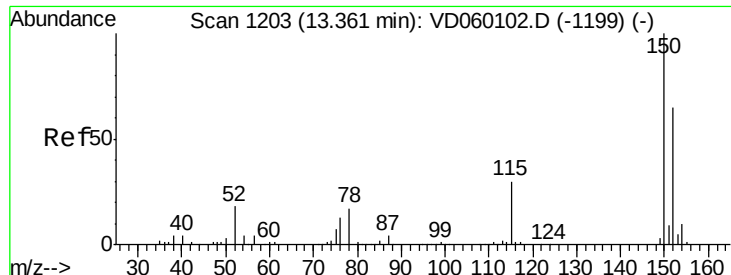


Abundance Ion 116.95 (116.65 to 117.65): V

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: 13.37 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060249.D

Acq: 31 Oct 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

PL-03-103018-A

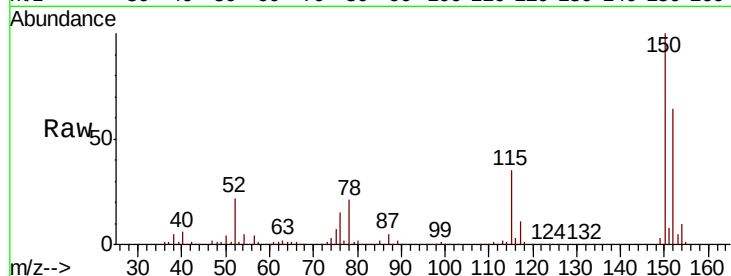
Tot Ion:152 Resp: 682788

Ion Ratio Lower Upper

152 100

115 54.1 27.1 81.2

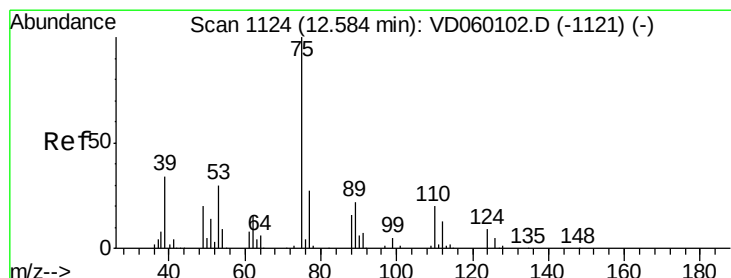
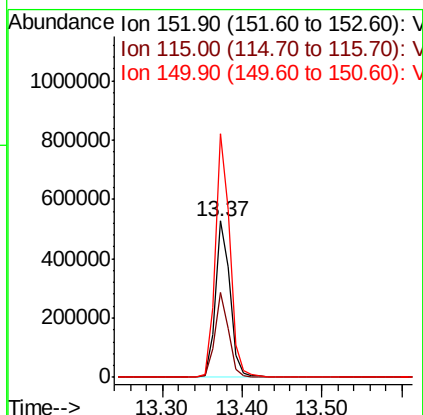
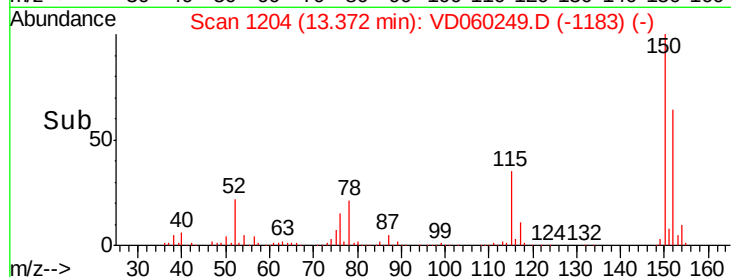
150 155.8 0.0 311.8



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: 24.111 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.16 min

Lab File: VD060249.D

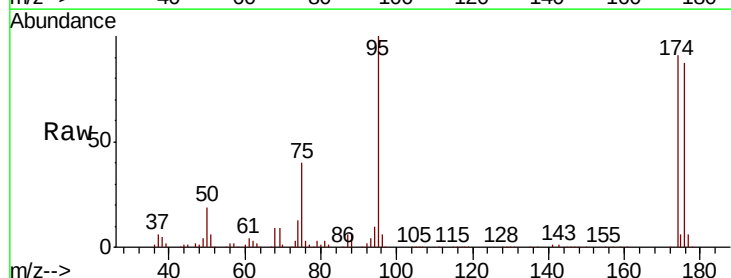
Acq: 31 Oct 2018 18:45

Tgt Ion: 75 Resp: 237083

Ion Ratio Lower Upper

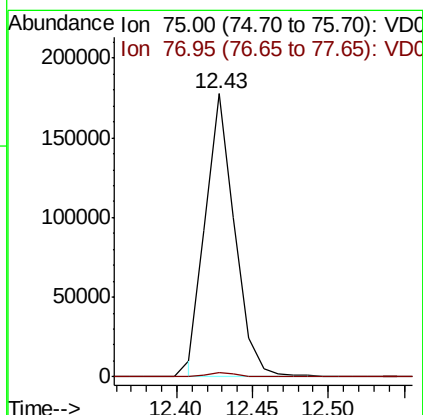
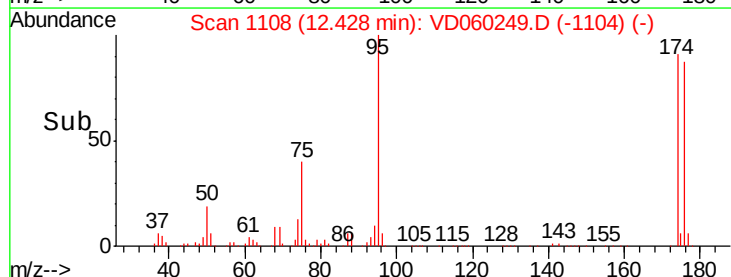
75 100

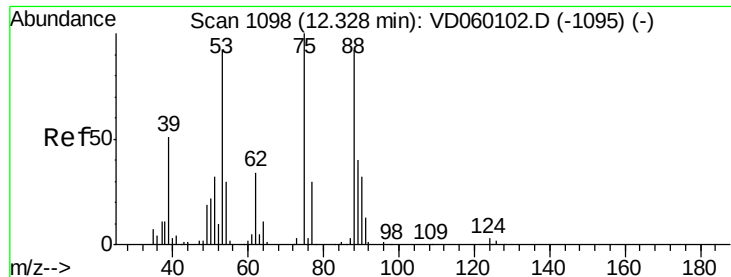
77 1.3 16.3 48.9#



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: 88.055 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.10 min

Lab File: VD060249.D

Acq: 31 Oct 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

PL-03-103018-A

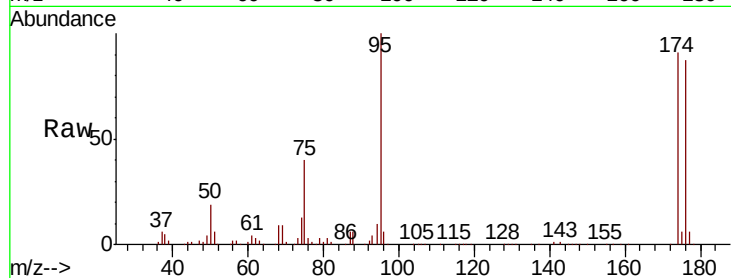
Tot Ion: 75 Resp: 243290

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.6#

89 0.0 32.0 48.0#



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

