

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103118\
 Data File : VD060250.D
 Acq On : 31 Oct 2018 19:13
 Operator : VA/AP
 Sample : J5202-15
 Misc : 5.83g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Oct 31 23:55:08 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

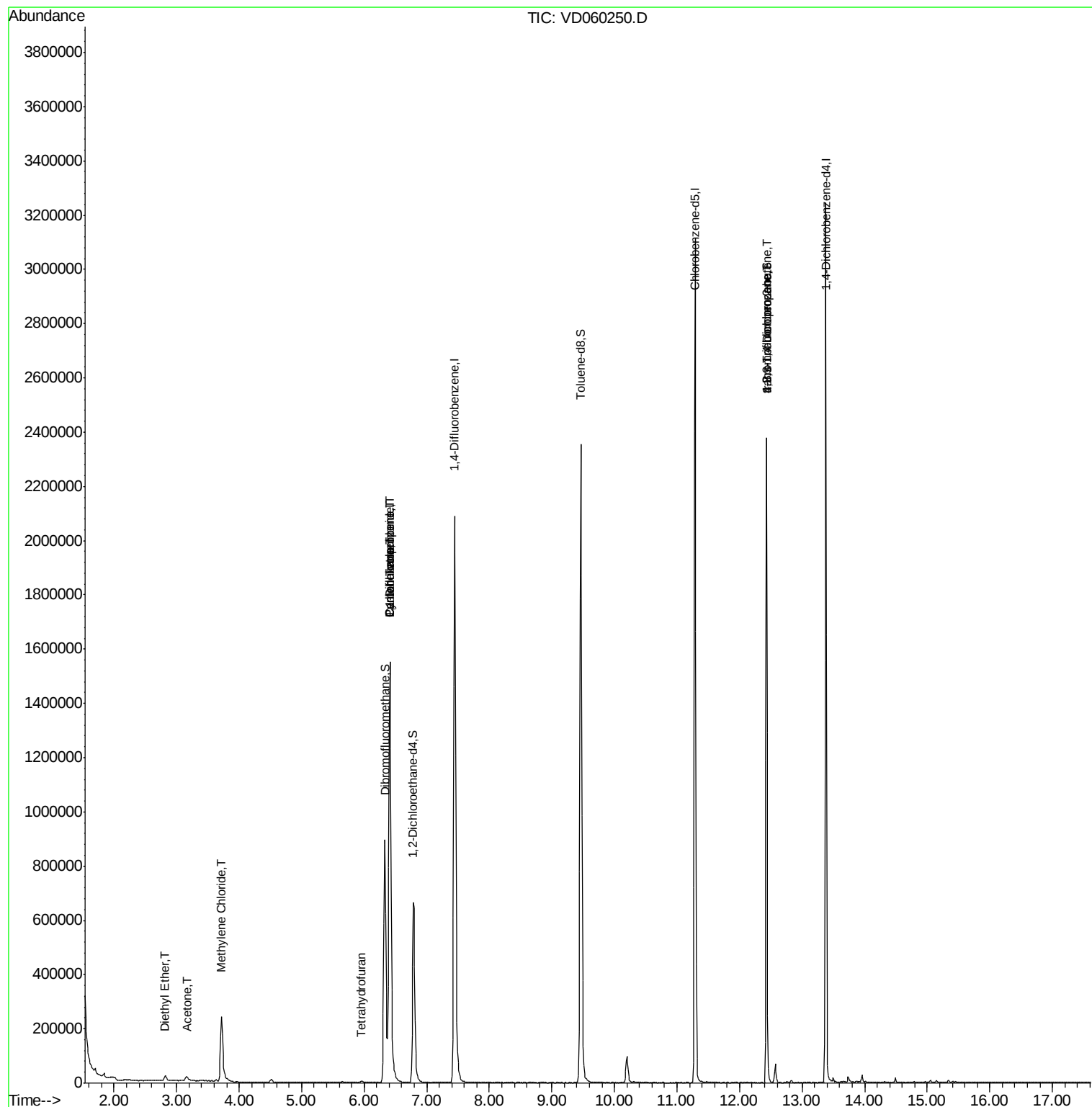
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1533691	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.44	114	2249617	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.29	117	1707068	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.38	152	716720	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.78	65	568040	48.86	ug/l	0.03
Spiked Amount	50.000		Recovery	=	97.72%	
35) Dibromofluoromethane	6.33	113	725756	42.48	ug/l	0.03
Spiked Amount	50.000		Recovery	=	84.96%	
50) Toluene-d8	9.46	98	1874353	38.48	ug/l	0.03
Spiked Amount	50.000		Recovery	=	76.96%	
62) 4-Bromofluorobenzene	12.43	95	636288	34.89	ug/l	0.02
Spiked Amount	50.000		Recovery	=	69.78%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.82	74	7033	2.683	ug/l	93
16) Acetone	3.15	43	34757	16.476	ug/l	94
20) Methylene Chloride	3.71	84	160545	5.873	ug/l	98
29) Tetrahydrofuran	5.96	42	4508	1.473	ug/l #	82
31) Cyclohexane	6.40	56	27386	1.087	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	107524	5.002	ug/l #	46
38) Carbon Tetrachloride	6.41	117	118471	6.072	ug/l #	16
76) 1,2,3-Trichloropropane	12.43	75	254006	24.609	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.43	75	254307	87.685	ug/l #	13

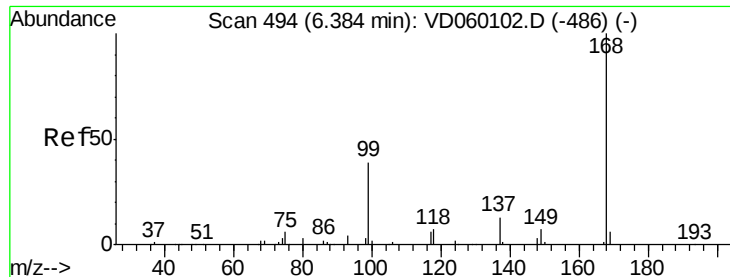
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 6.41 min Scan# 496

Delta R.T. 0.03 min

Lab File: VD060250.D

Acq: 31 Oct 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

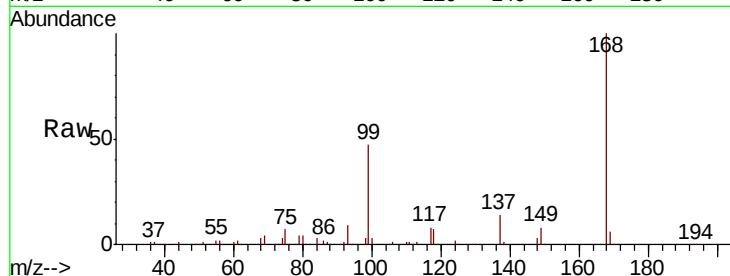
PL-03-103018-B

Tot Ion:168 Resp: 1533691

Ion Ratio Lower Upper

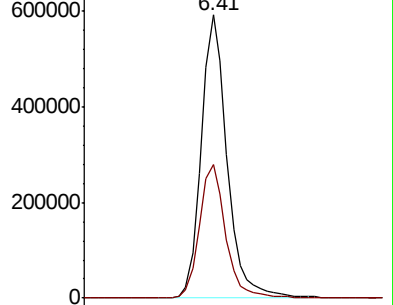
168 100

99 47.4 35.4 53.0

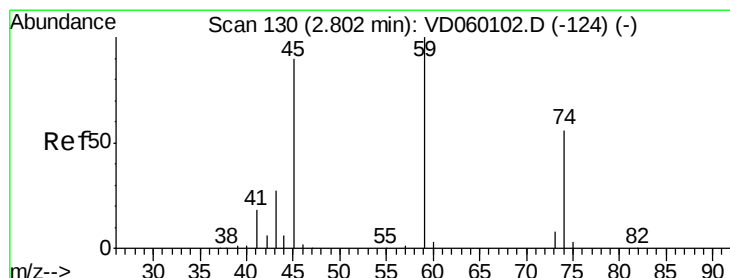
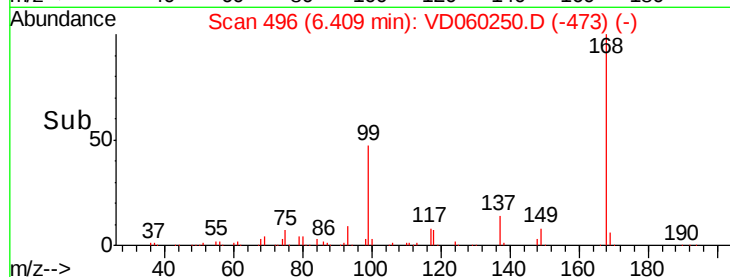


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



Time-->



#8

Diethyl Ether

Concen: 2.683 ug/l

RT: 2.82 min Scan# 131

Delta R.T. 0.02 min

Lab File: VD060250.D

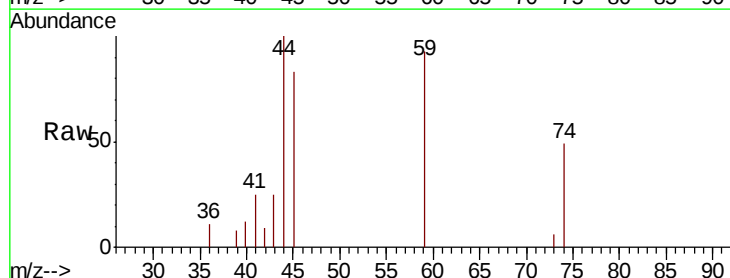
Acq: 31 Oct 2018 19:13

Tgt Ion: 74 Resp: 7033

Ion Ratio Lower Upper

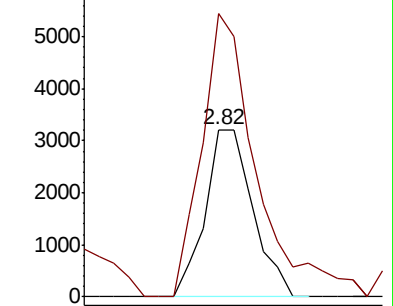
74 100

45 169.5 80.3 241.0

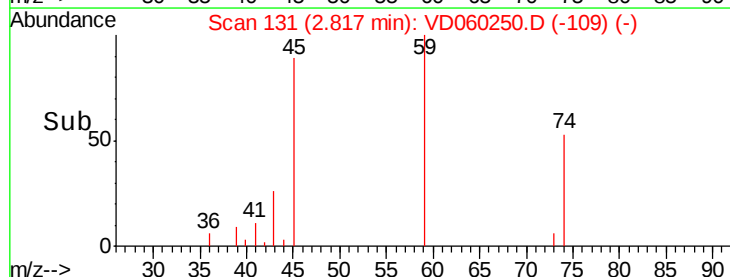


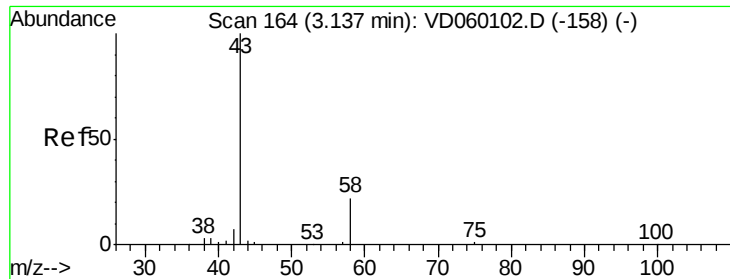
Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



Time-->





#16

Acetone

Concen: 16.476 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD060250.D

Acq: 31 Oct 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

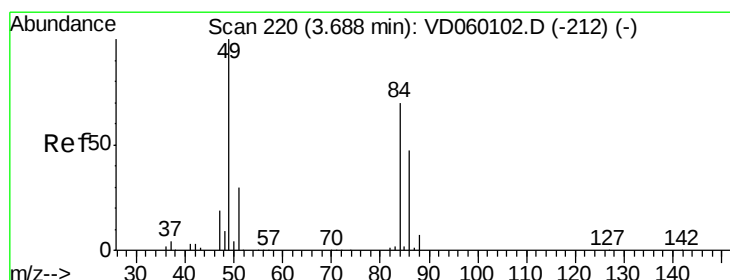
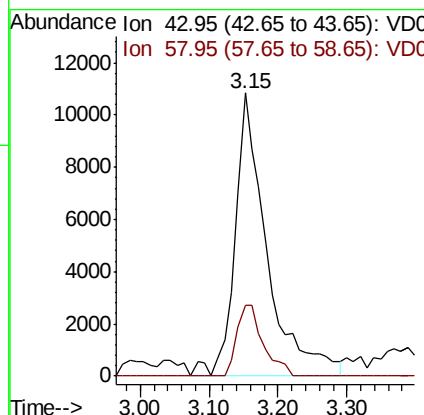
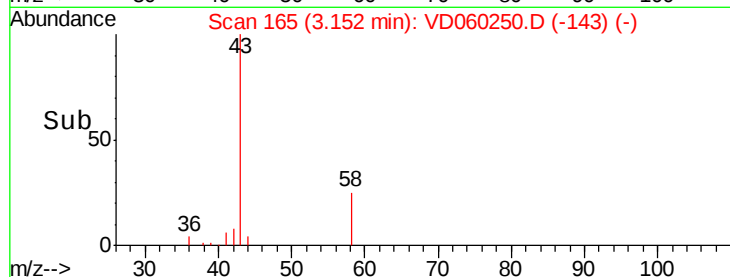
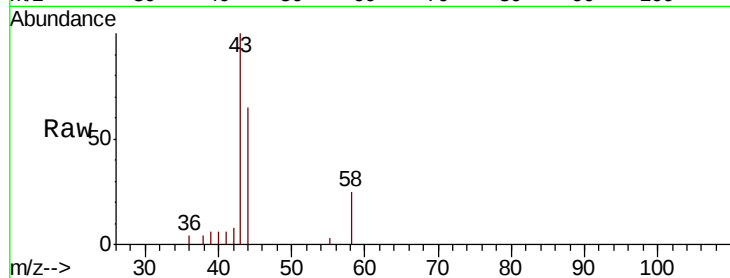
PL-03-103018-B

Tot Ion: 43 Resp: 34757

Ion Ratio Lower Upper

43 100

58 25.1 17.7 26.5



#20

Methylene Chloride

Concen: 5.873 ug/l

RT: 3.71 min Scan# 222

Delta R.T. 0.03 min

Lab File: VD060250.D

Acq: 31 Oct 2018 19:13

Tgt Ion: 84 Resp: 160545

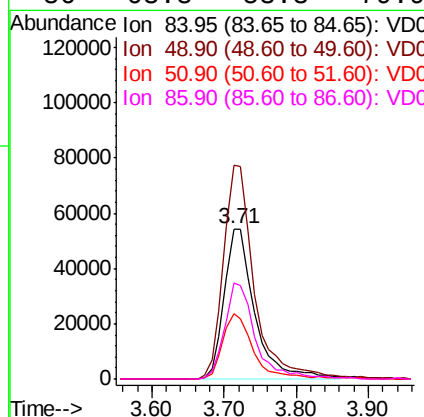
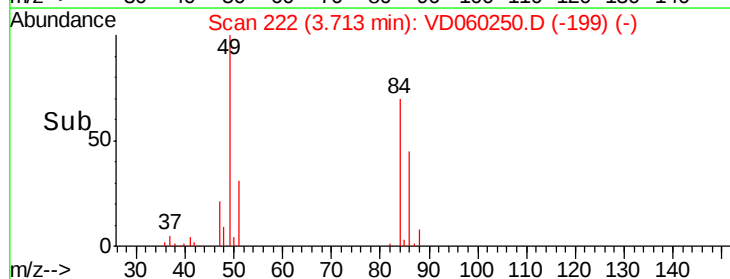
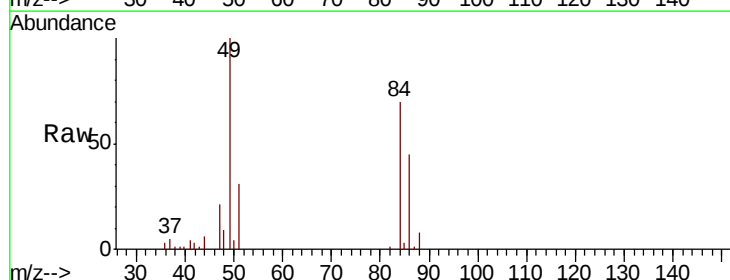
Ion Ratio Lower Upper

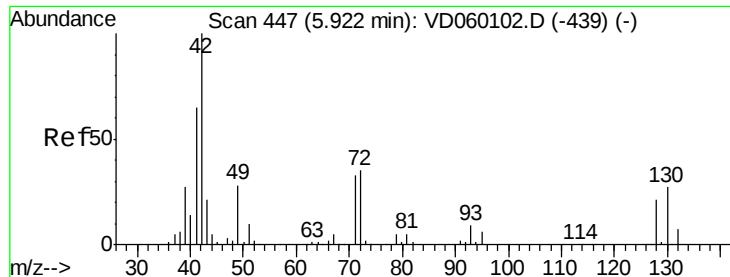
84 100

49 142.5 114.6 172.0

51 43.8 33.8 50.8

86 63.8 53.3 79.9





#29

Tetrahydrofuran

Concen: 1.473 ug/l

RT: 5.96 min Scan# 450

Delta R.T. 0.03 min

Lab File: VD060250.D

Acq: 31 Oct 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

PL-03-103018-B

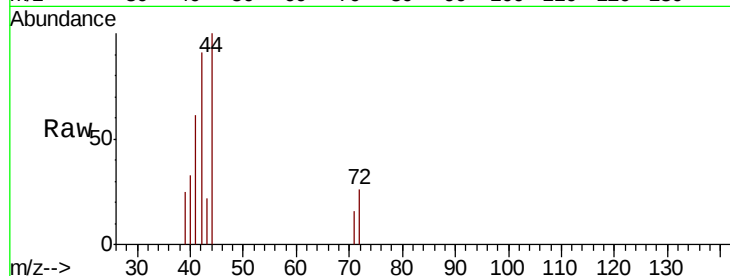
Tot Ion: 42 Resp: 4508

Ion Ratio Lower Upper

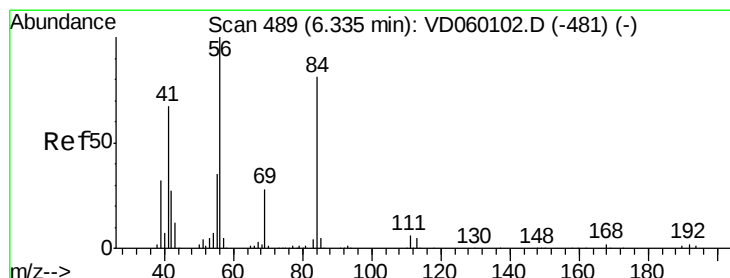
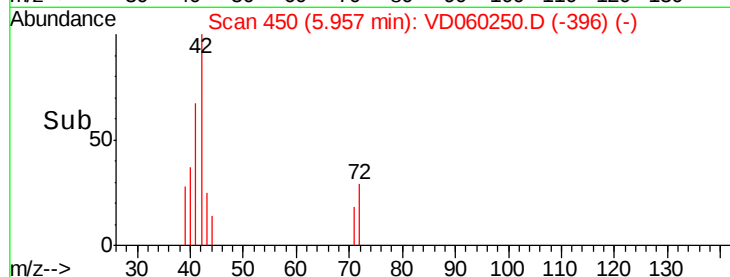
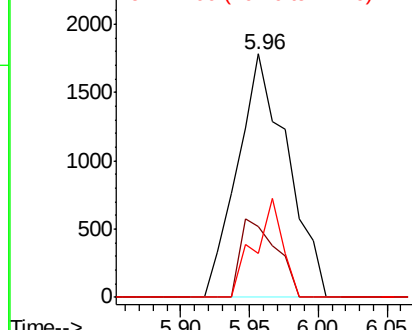
42 100

72 23.2 26.9 40.3#

71 23.0 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: 1.087 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.06 min

Lab File: VD060250.D

Acq: 31 Oct 2018 19:13

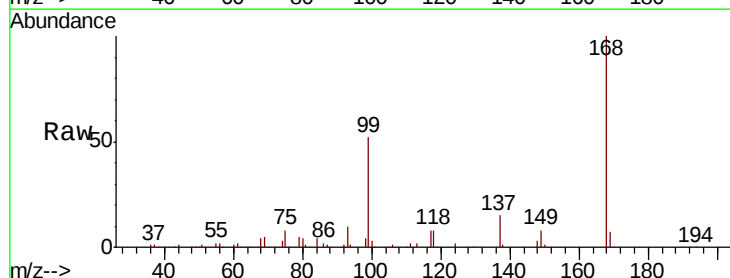
Tgt Ion: 56 Resp: 27386

Ion Ratio Lower Upper

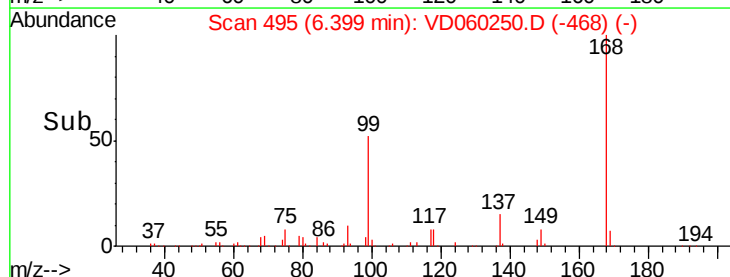
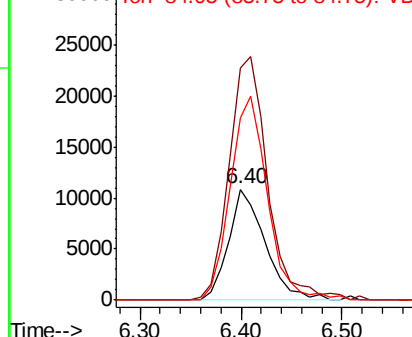
56 100

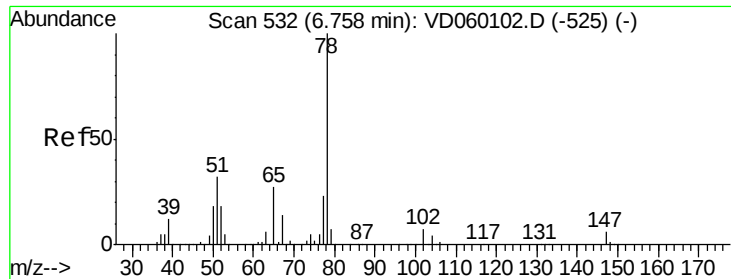
69 209.7 22.8 34.2#

84 163.8 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

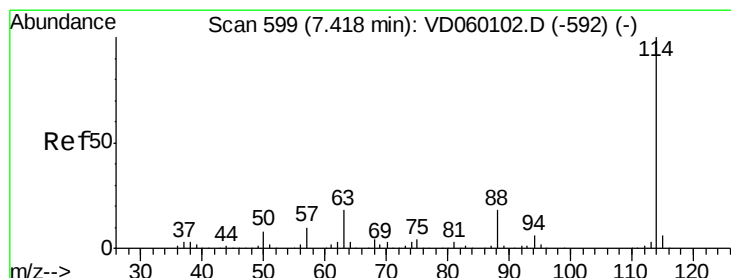
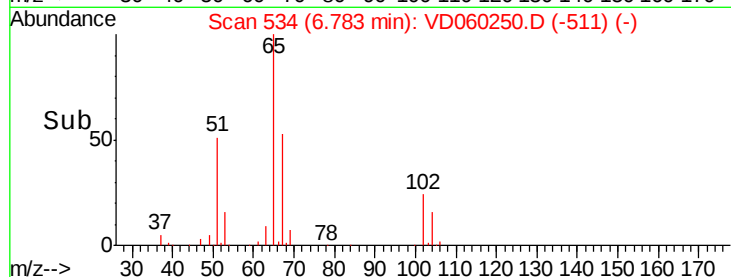
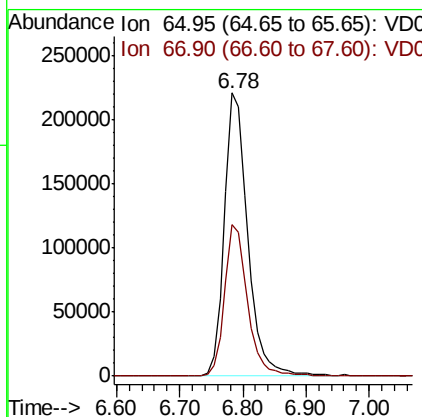
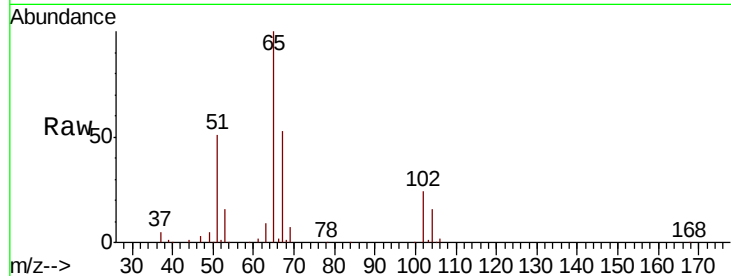




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. 0.03 min
 Lab File: VD060250.D
 Acq: 31 Oct 2018 19:13

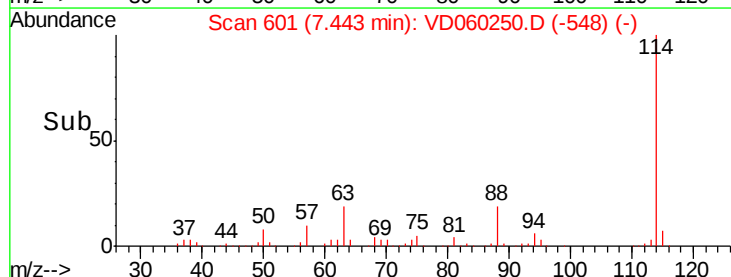
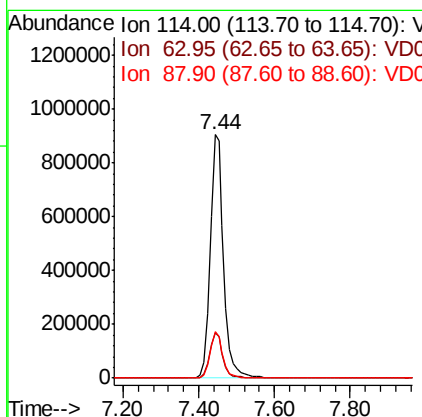
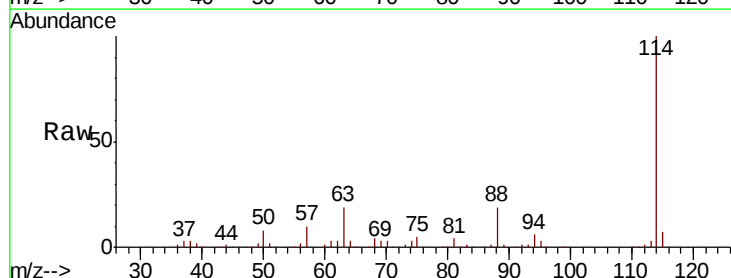
Instrument :
 MSVOA_D
 ClientSampleId :
 PL-03-103018-B

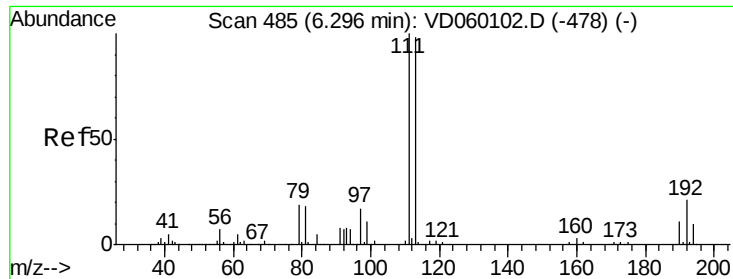
Tot Ion: 65 Resp: 568040
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.03 min
 Lab File: VD060250.D
 Acq: 31 Oct 2018 19:13

Tgt Ion: 114 Resp: 2249617
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 36.0
 88 19.0 0.0 36.2

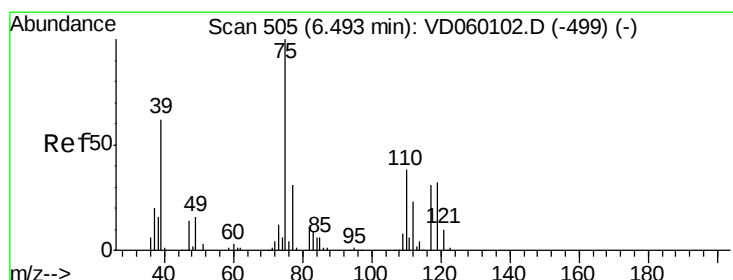
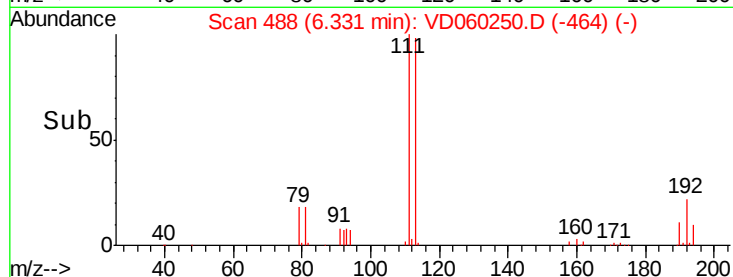
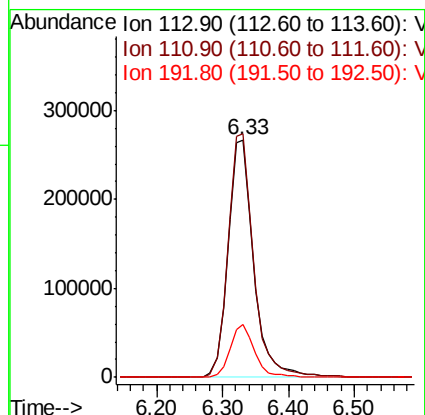
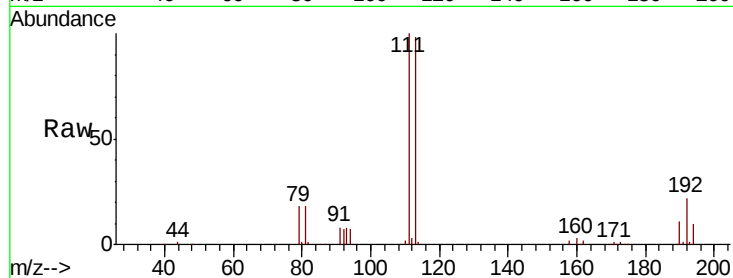




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VD060250.D
 Acq: 31 Oct 2018 19:13

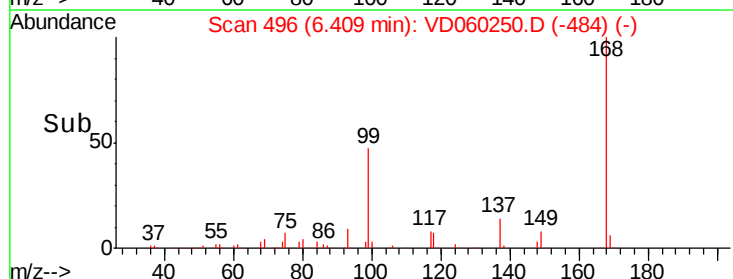
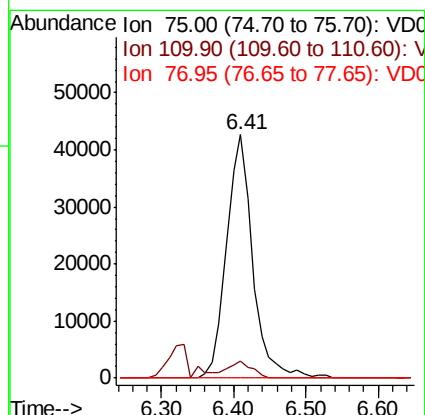
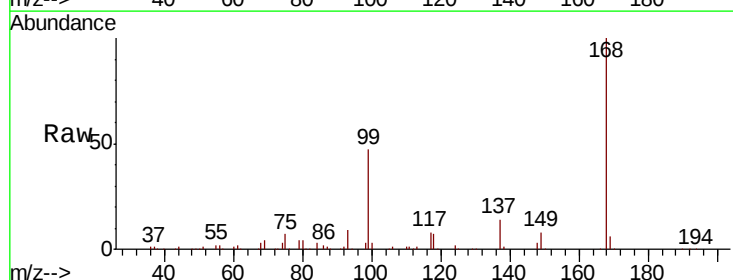
Instrument :
 MSVOA_D
 ClientSampleId :
 PL-03-103018-B

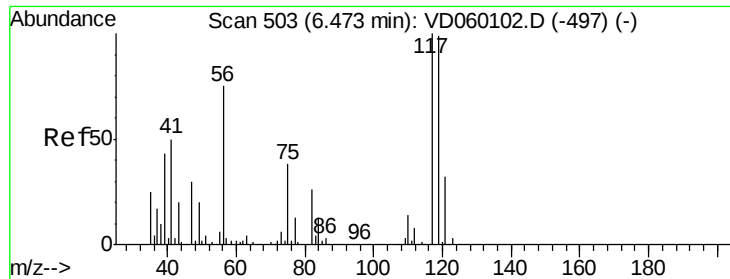
Tot Ion:113 Resp: 725756
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.5 122.3
 192 22.3 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 5.002 ug/l
 RT: 6.41 min Scan# 496
 Delta R.T. -0.08 min
 Lab File: VD060250.D
 Acq: 31 Oct 2018 19:13

Tgt Ion: 75 Resp: 107524
 Ion Ratio Lower Upper
 75 100
 110 7.0 19.0 57.0#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.072 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.06 min

Lab File: VD060250.D

Acq: 31 Oct 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

PL-03-103018-B

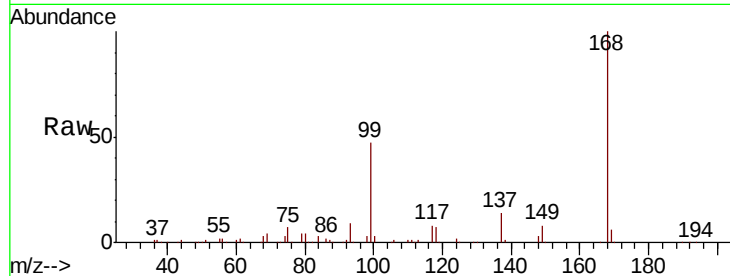
Tot Ion:117 Resp: 118471

Ion Ratio Lower Upper

117 100

119 5.8 77.8 116.6#

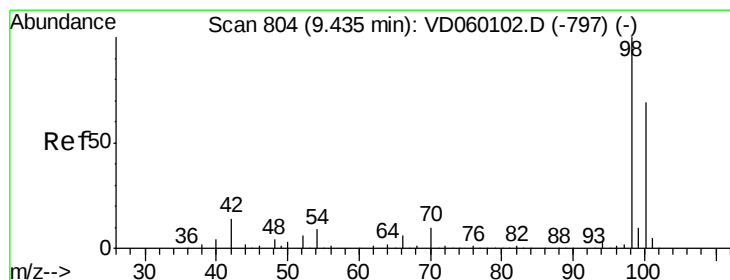
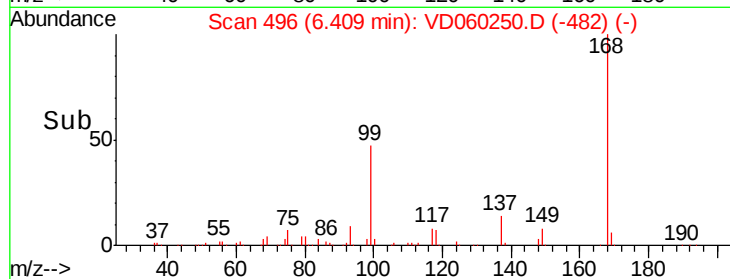
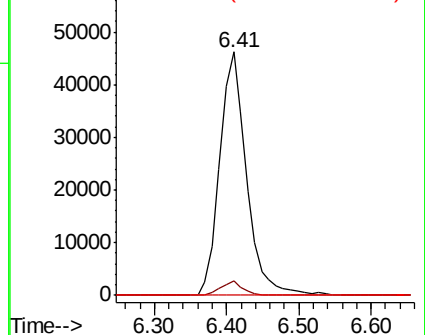
121 0.0 24.8 37.2#



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. 0.03 min

Lab File: VD060250.D

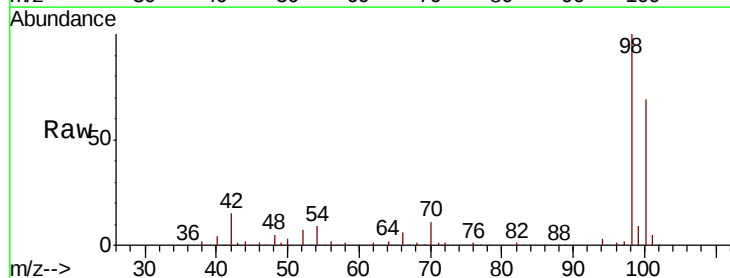
Acq: 31 Oct 2018 19:13

Tgt Ion: 98 Resp: 1874353

Ion Ratio Lower Upper

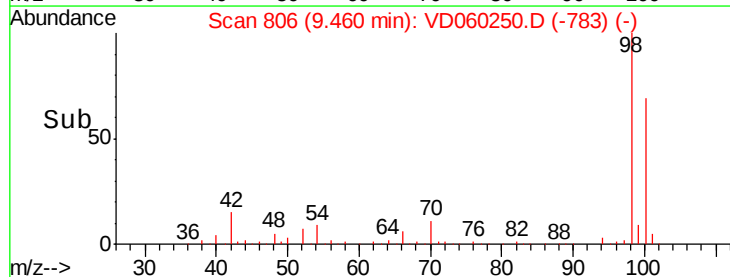
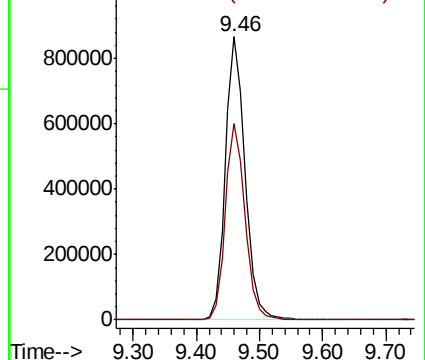
98 100

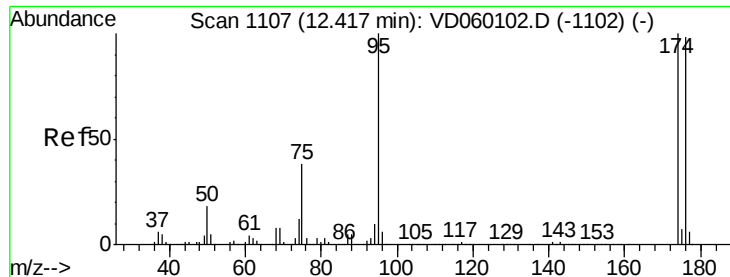
100 69.4 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

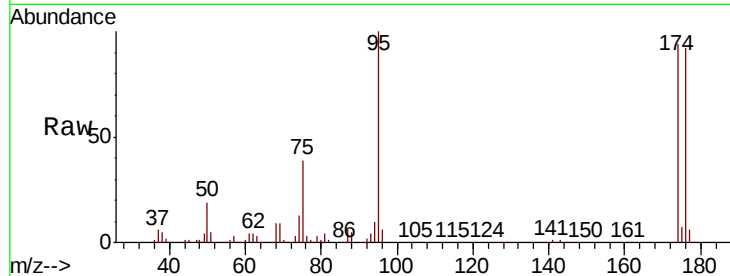




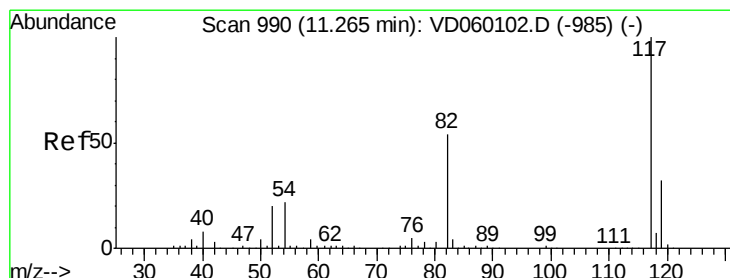
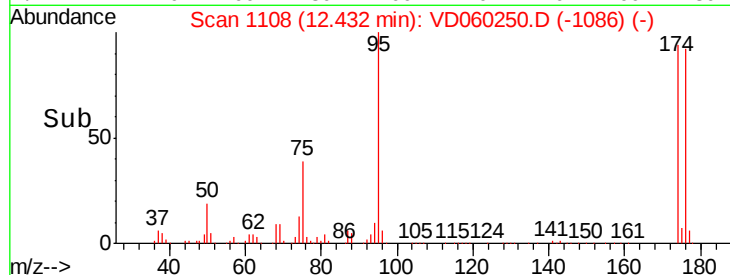
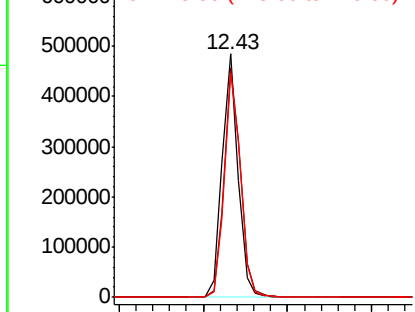
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. 0.02 min
Lab File: VD060250.D
Acq: 31 Oct 2018 19:13

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

Tot Ion: 95 Resp: 636288
Ion Ratio Lower Upper
95 100
174 94.5 0.0 200.2
176 92.0 0.0 195.6

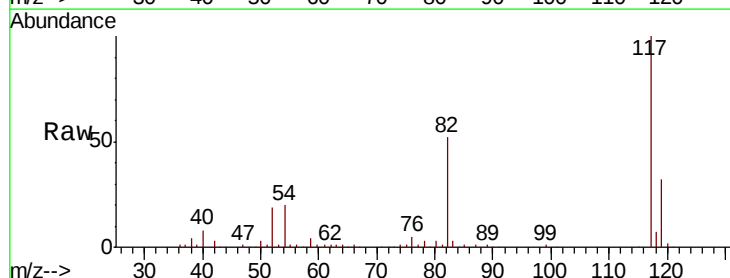


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

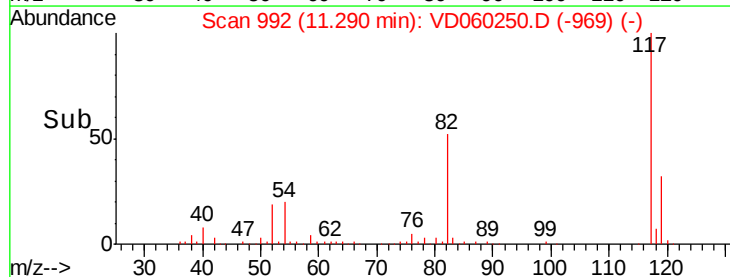
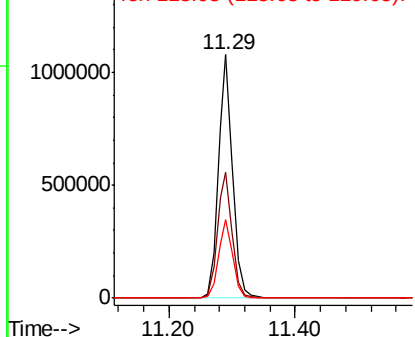


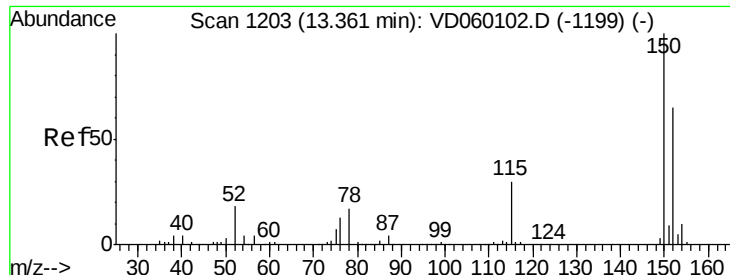
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.03 min
Lab File: VD060250.D
Acq: 31 Oct 2018 19:13

Tgt Ion: 117 Resp: 1707068
Ion Ratio Lower Upper
117 100
82 51.9 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: 13.38 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD060250.D

Acq: 31 Oct 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

PL-03-103018-B

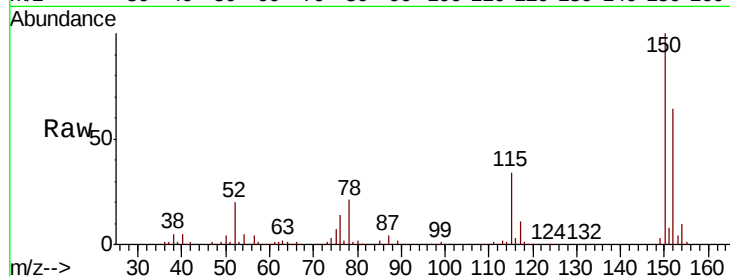
Tot Ion:152 Resp: 716720

Ion Ratio Lower Upper

152 100

115 53.2 27.1 81.2

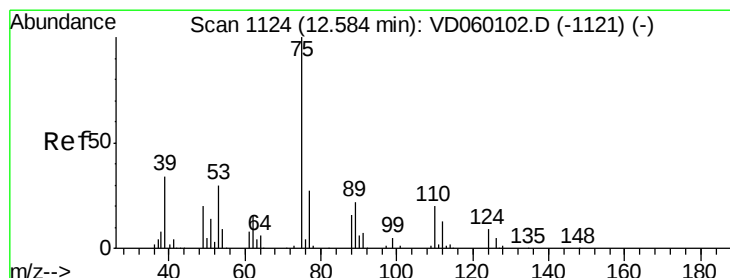
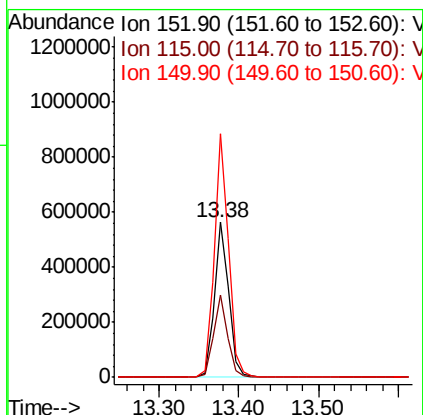
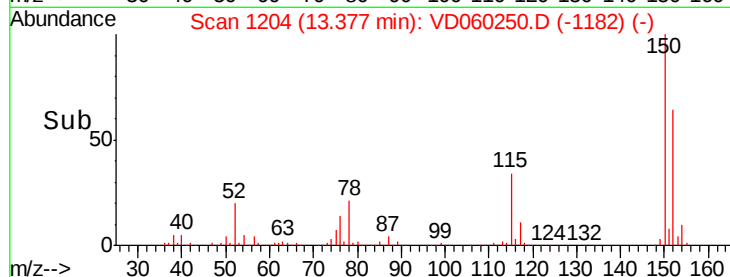
150 156.8 0.0 311.8



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: 24.609 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.15 min

Lab File: VD060250.D

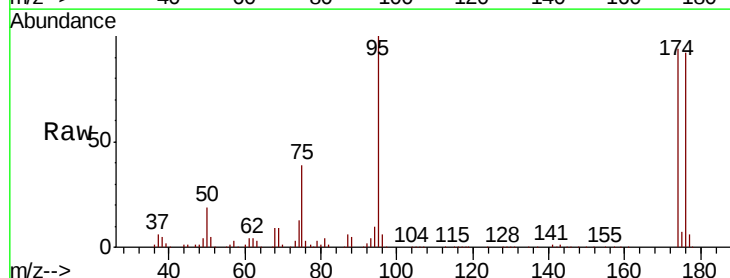
Acq: 31 Oct 2018 19:13

Tgt Ion: 75 Resp: 254006

Ion Ratio Lower Upper

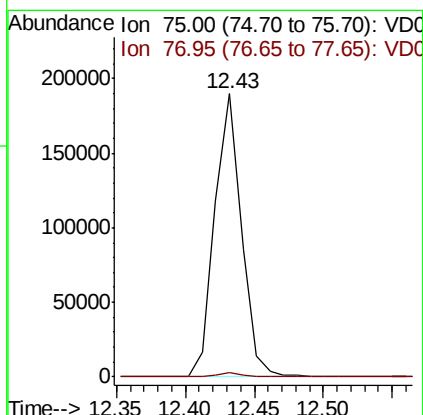
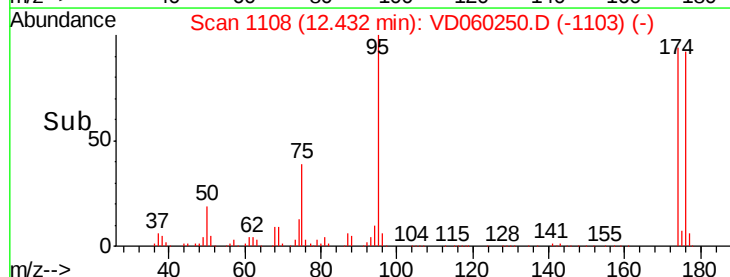
75 100

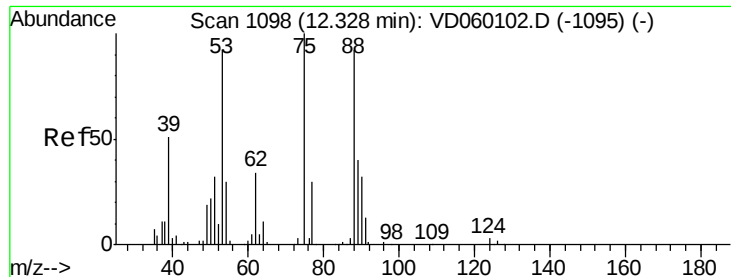
77 1.4 16.3 48.9#



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: 87.685 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.10 min

Lab File: VD060250.D

Acq: 31 Oct 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

PL-03-103018-B

Tot Ion: 75 Resp: 254307

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.6#

89 0.0 32.0 48.0#

