

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100918\
 Data File : VD060164.D
 Acq On : 9 Oct 2018 21:26
 Operator : VA/AP
 Sample : J5326-29
 Misc : 6.05g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FL-PIT-8

Quant Time: Oct 10 01:17:29 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	6.37	168	1239828	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.41	114	1707291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1386424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	724932	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.75	65	622680	66.26	ug/l	0.00
Spiked Amount						
			Recovery	=	132.52%	
35) Dibromofluoromethane	6.29	113	790465	60.97	ug/l	0.00
Spiked Amount						
			Recovery	=	121.94%	
50) Toluene-d8	9.43	98	2173950	58.80	ug/l	0.00
Spiked Amount						
			Recovery	=	117.60%	
62) 4-Bromofluorobenzene	12.41	95	819208	59.18	ug/l	0.00
Spiked Amount						
			Recovery	=	118.36%	

Target Compounds

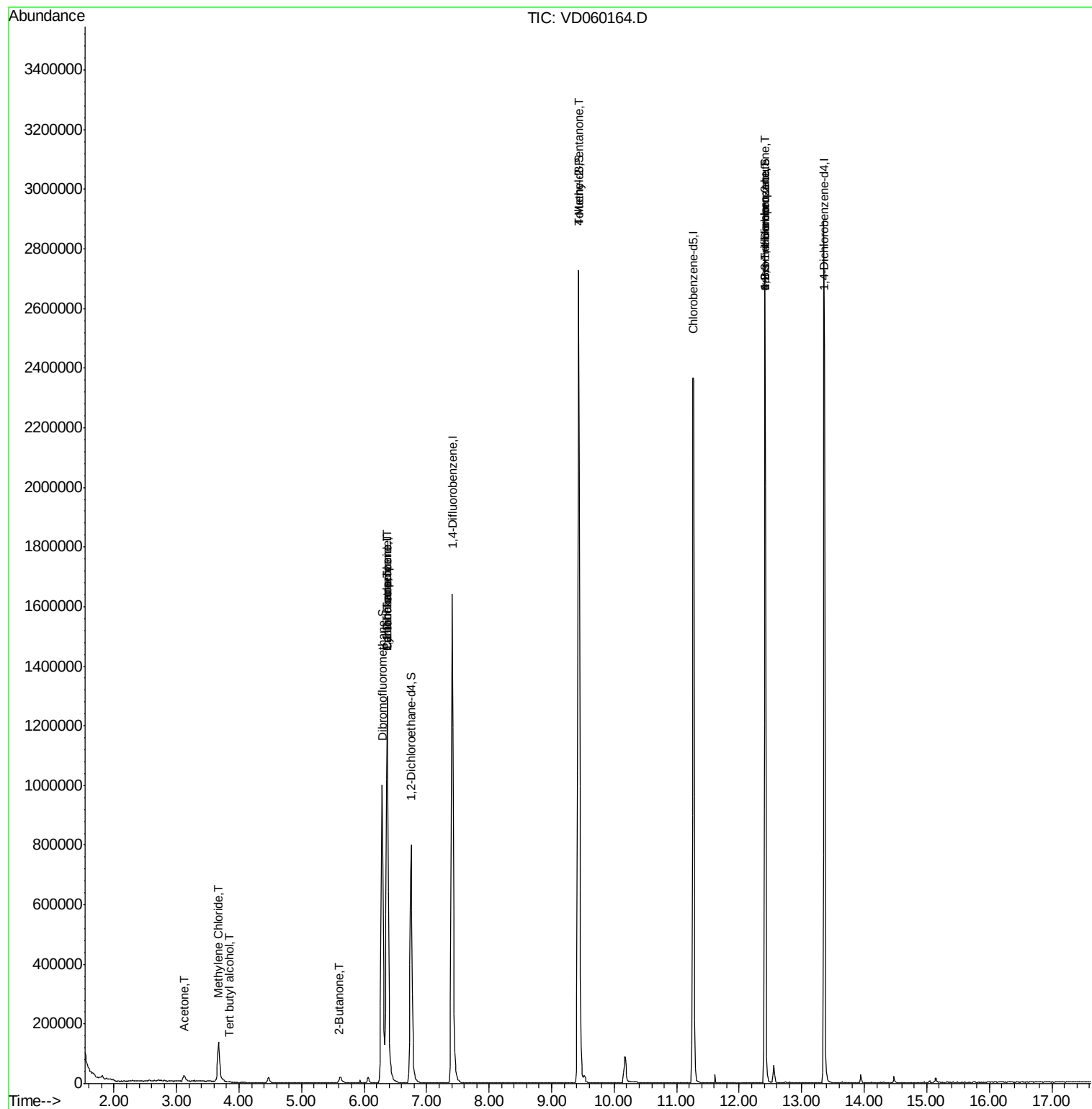
					Qvalue
11) Tert butyl alcohol	3.85	59	1293	1.918 ug/l #	74
16) Acetone	3.12	43	40739	23.889 ug/l	95
20) Methylene Chloride	3.67	84	76042	1.493 ug/l	95
25) 2-Butanone	5.59	43	5710	1.340 ug/l #	59
31) Cyclohexane	6.37	56	21879	1.075 ug/l #	1
36) 1,1-Dichloropropene	6.37	75	86859	5.324 ug/l #	46
38) Carbon Tetrachloride	6.37	117	94468	6.380 ug/l #	15
51) 4-Methyl-2-Pentanone	9.43	43	11937	1.328 ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	245404	23.506 ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.41	75	324963	110.777 ug/l #	13

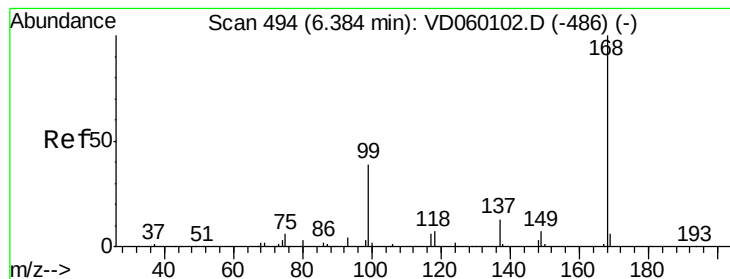
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 10 01:17:29 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: 6.37 min Scan# 492

Delta R.T. -0.02 min

Lab File: VD060164.D

Acq: 9 Oct 2018 21:26

Instrument :

MSVOA_D

ClientSampled :

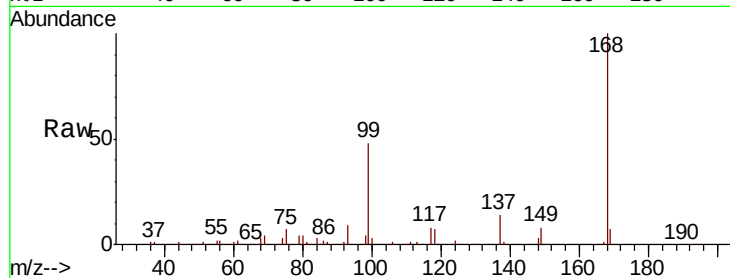
FL-PIT-8

Tot Ion:168 Resp: 1239828

Ion Ratio Lower Upper

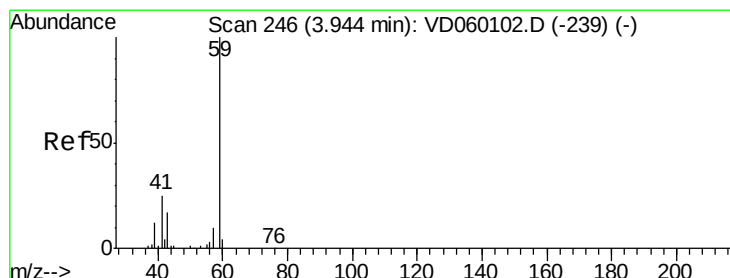
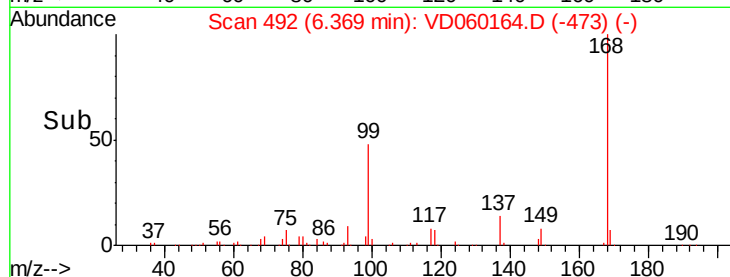
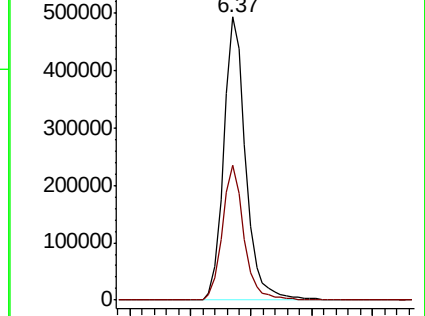
168 100

99 47.7 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.918 ug/l

RT: 3.85 min Scan# 236

Delta R.T. -0.09 min

Lab File: VD060164.D

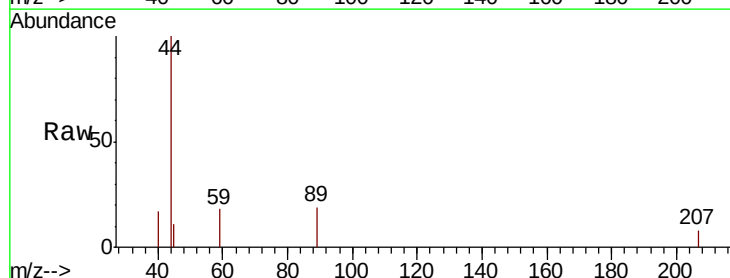
Acq: 9 Oct 2018 21:26

Tgt Ion: 59 Resp: 1293

Ion Ratio Lower Upper

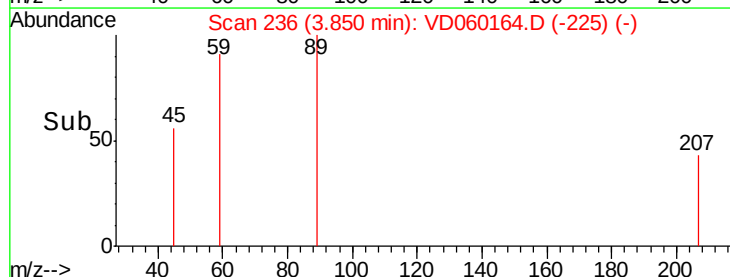
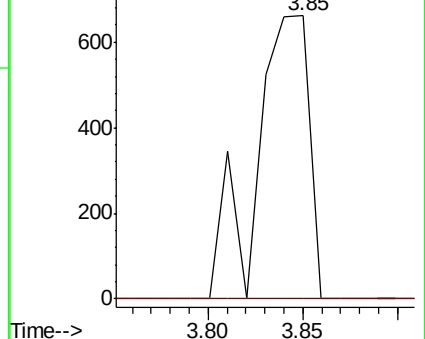
59 100

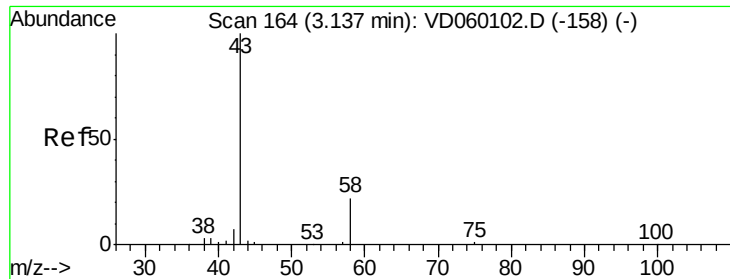
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 23.889 ug/l

RT: 3.12 min Scan# 162

Delta R.T. -0.02 min

Lab File: VD060164.D

Acq: 9 Oct 2018 21:26

Instrument :

MSVOA_D

ClientSampleId :

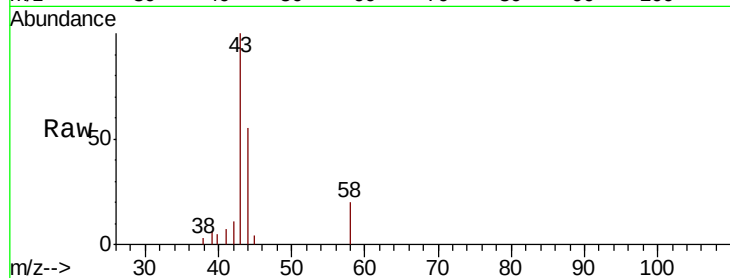
FL-PIT-8

Tot Ion: 43 Resp: 40739

Ion Ratio Lower Upper

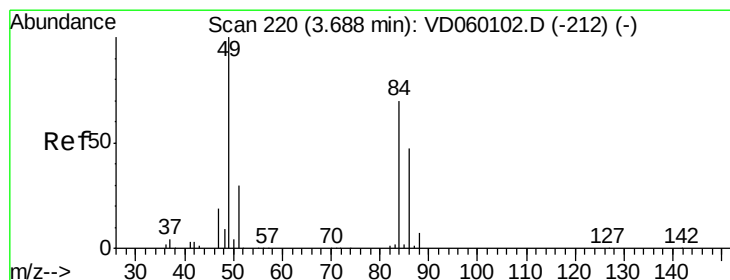
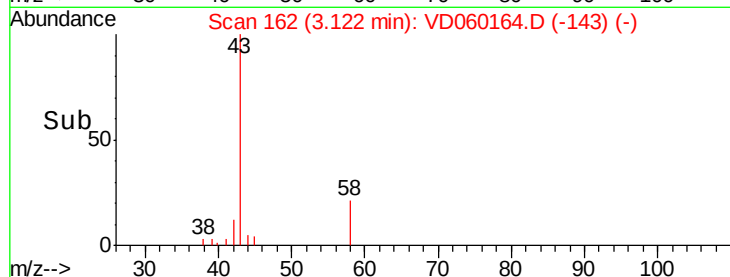
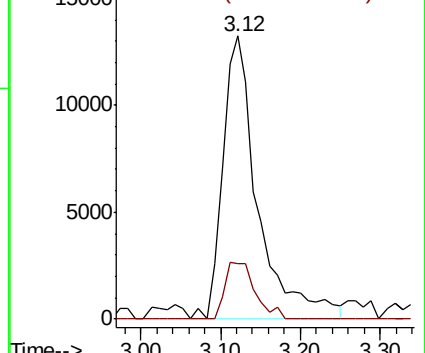
43 100

58 19.5 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: 1.493 ug/l

RT: 3.67 min Scan# 218

Delta R.T. -0.01 min

Lab File: VD060164.D

Acq: 9 Oct 2018 21:26

Tgt Ion: 84 Resp: 76042

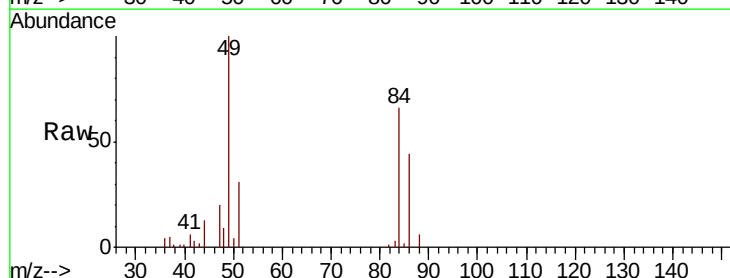
Ion Ratio Lower Upper

84 100

49 151.6 114.6 172.0

51 46.4 33.8 50.8

86 66.7 53.3 79.9

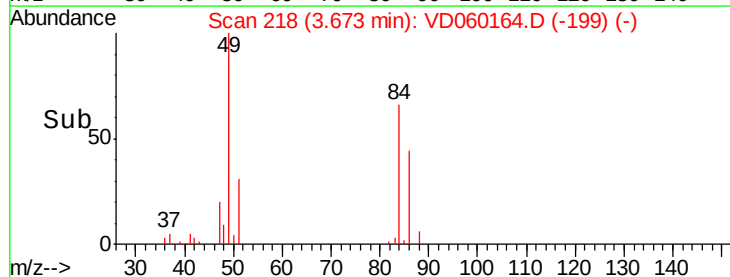
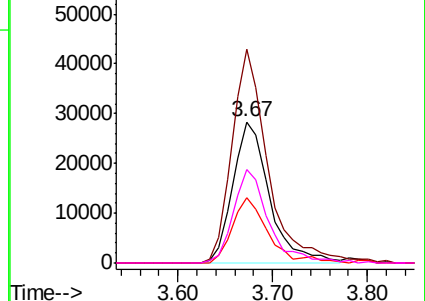


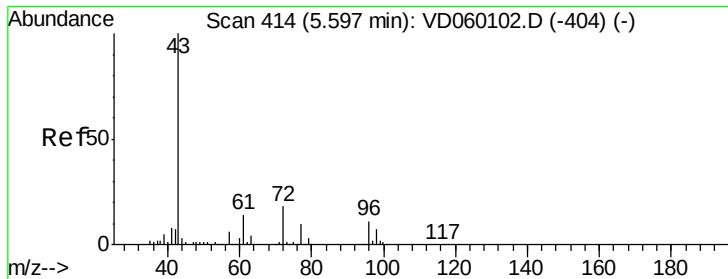
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 1.340 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.01 min

Lab File: VD060164.D

Acq: 9 Oct 2018 21:26

Instrument :

MSVOA_D

ClientSampleId :

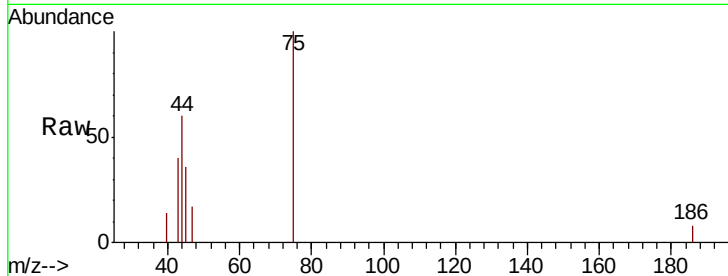
FL-PIT-8

Tot Ion: 43 Resp: 5710

Ion Ratio Lower Upper

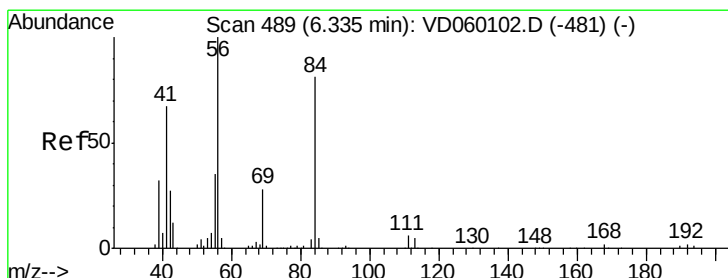
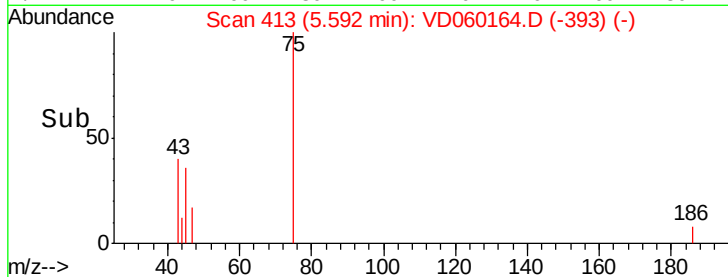
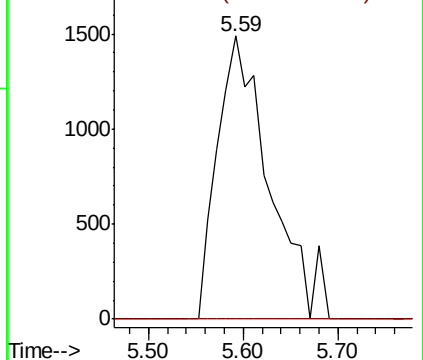
43 100

72 0.0 14.5 21.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.075 ug/l

RT: 6.37 min Scan# 492

Delta R.T. 0.03 min

Lab File: VD060164.D

Acq: 9 Oct 2018 21:26

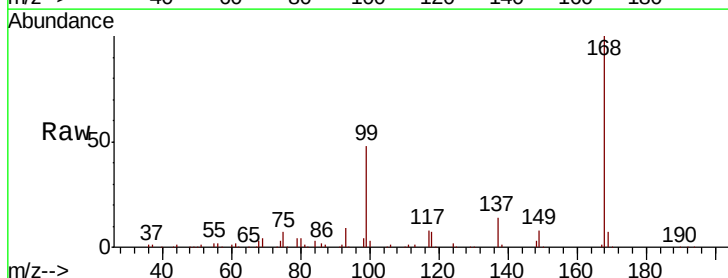
Tgt Ion: 56 Resp: 21879

Ion Ratio Lower Upper

56 100

69 228.3 22.8 34.2#

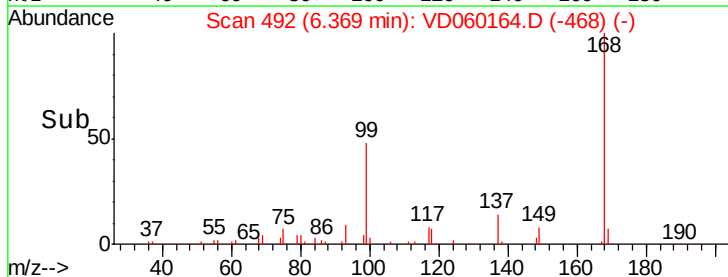
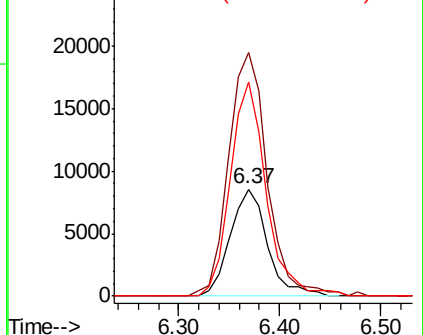
84 200.9 64.9 97.3#

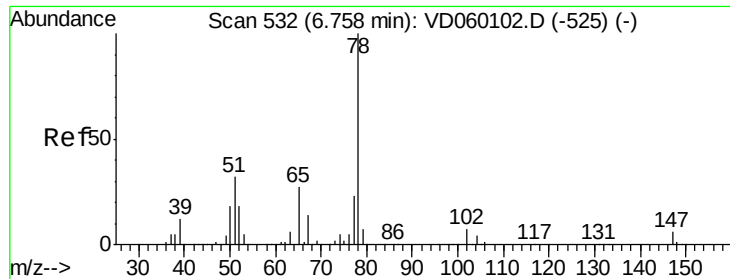


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

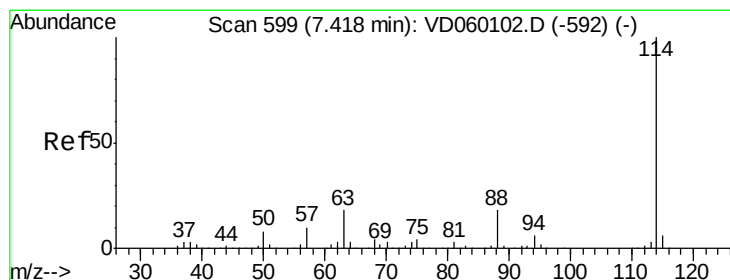
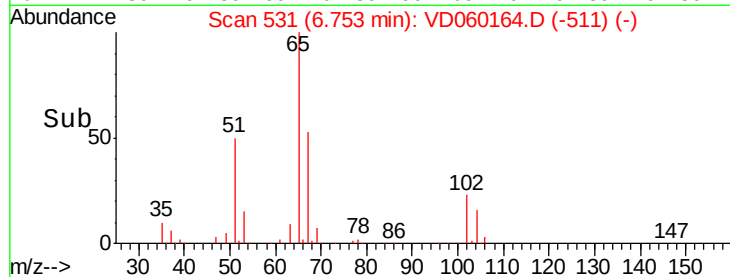
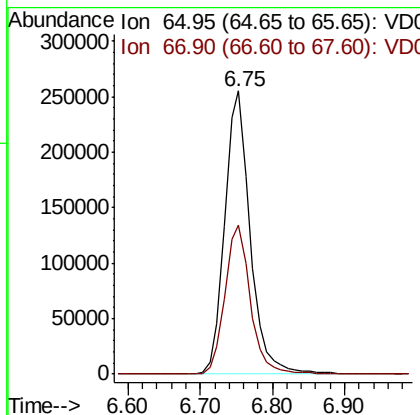
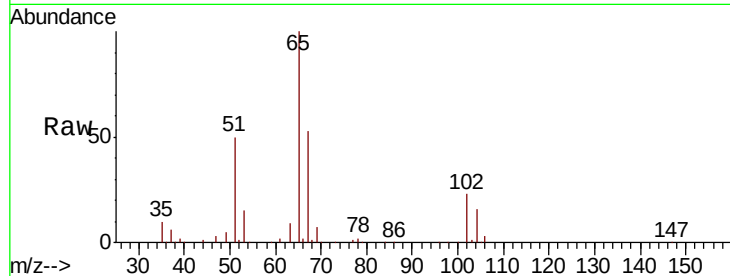




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.75 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VD060164.D
 Acq: 9 Oct 2018 21:26

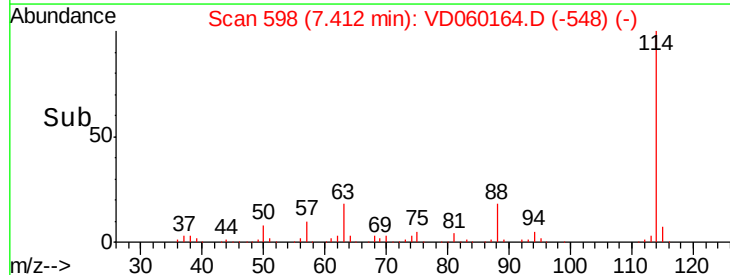
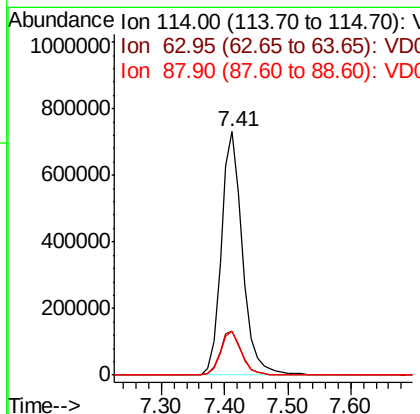
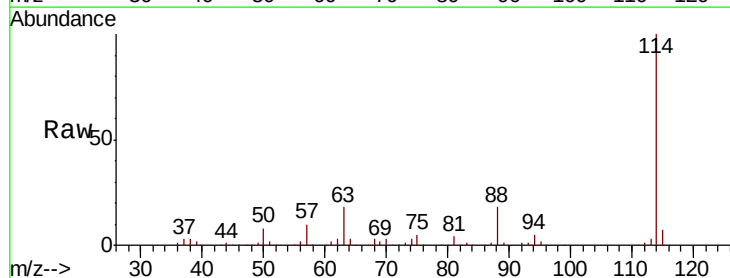
Instrument :
 MSVOA_D
 ClientSampleId :
 FL-PIT-8

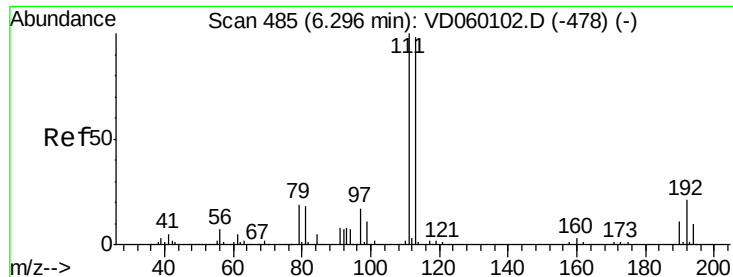
Tot Ion: 65 Resp: 622680
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.41 min Scan# 598
 Delta R.T. -0.01 min
 Lab File: VD060164.D
 Acq: 9 Oct 2018 21:26

Tgt Ion: 114 Resp: 1707291
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.0
 88 17.9 0.0 36.2

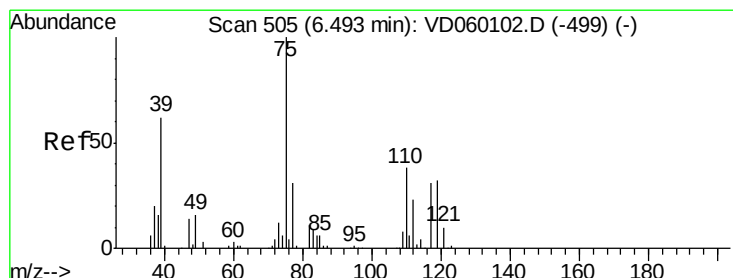
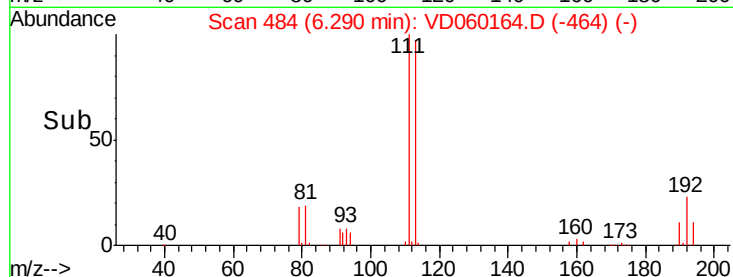
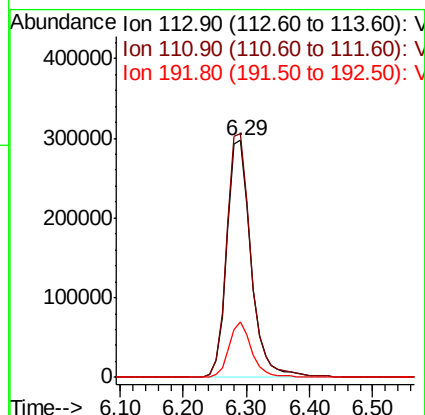
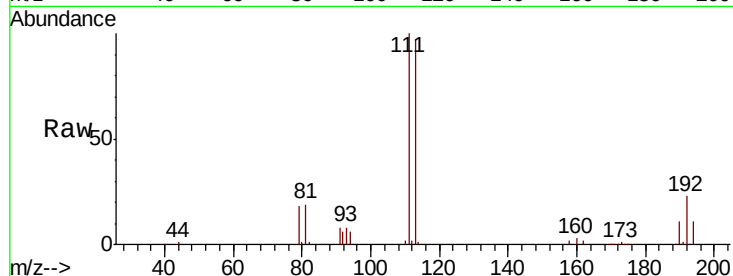




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.29 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD060164.D
Acq: 9 Oct 2018 21:26

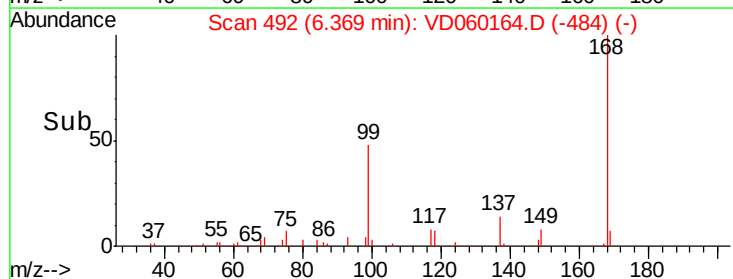
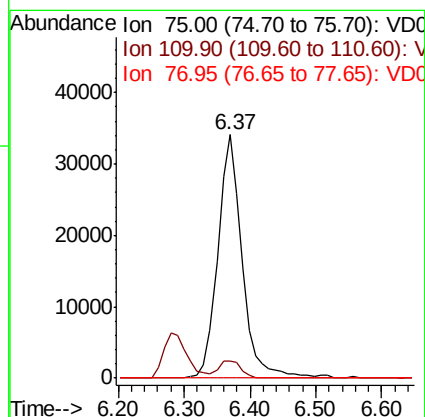
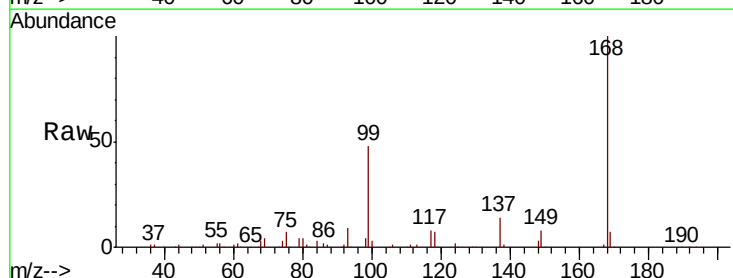
Instrument :
MSVOA_D
ClientSampleId :
FL-PIT-8

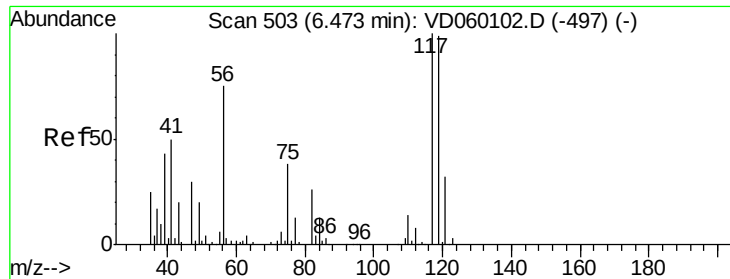
Tot Ion:113 Resp: 790465
Ion Ratio Lower Upper
113 100
111 102.8 81.5 122.3
192 23.3 17.4 26.0



#36
1,1-Dichloropropene
Concen: 5.324 ug/l
RT: 6.37 min Scan# 492
Delta R.T. -0.12 min
Lab File: VD060164.D
Acq: 9 Oct 2018 21:26

Tgt Ion: 75 Resp: 86859
Ion Ratio Lower Upper
75 100
110 6.9 19.0 57.0#
77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.380 ug/l

RT: 6.37 min Scan# 492

Delta R.T. -0.10 min

Lab File: VD060164.D

Acq: 9 Oct 2018 21:26

Instrument :

MSVOA_D

ClientSampled :

FL-PIT-8

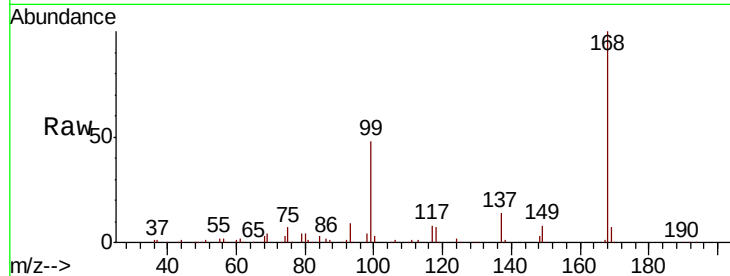
Tot Ion:117 Resp: 94468

Ion Ratio Lower Upper

117 100

119 4.4 77.8 116.6#

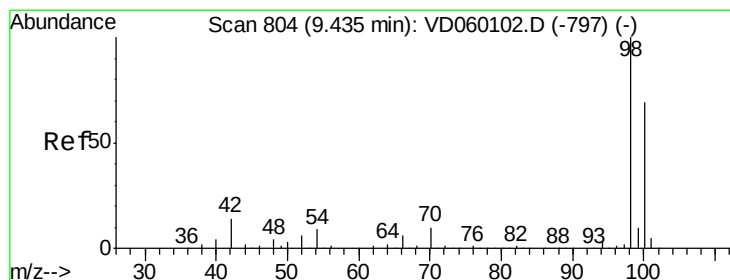
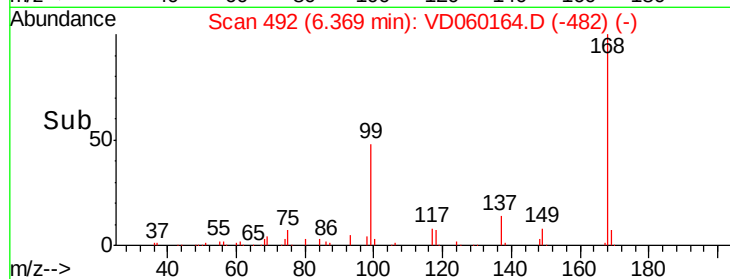
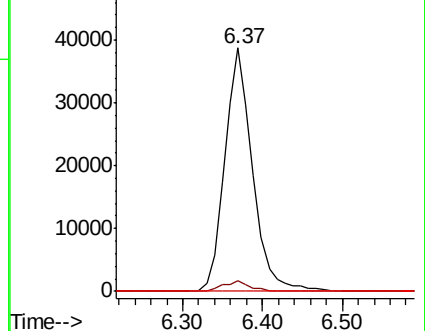
121 0.0 24.8 37.2#



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: 9.43 min Scan# 803

Delta R.T. -0.01 min

Lab File: VD060164.D

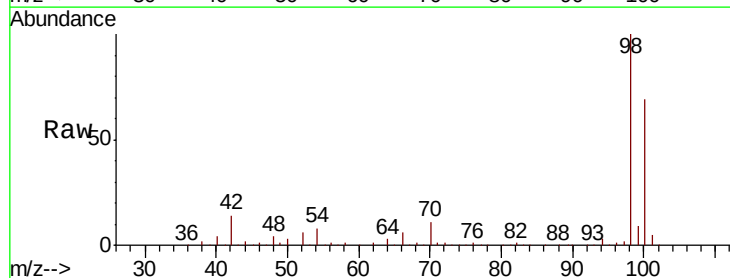
Acq: 9 Oct 2018 21:26

Tgt Ion: 98 Resp: 2173950

Ion Ratio Lower Upper

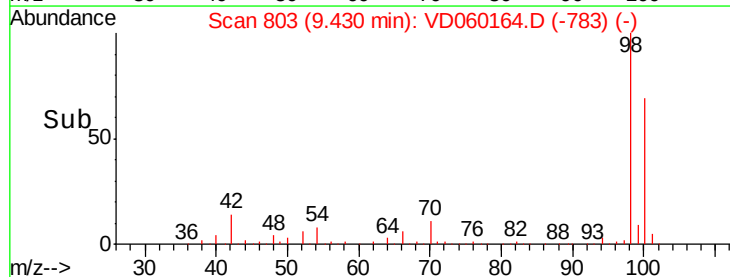
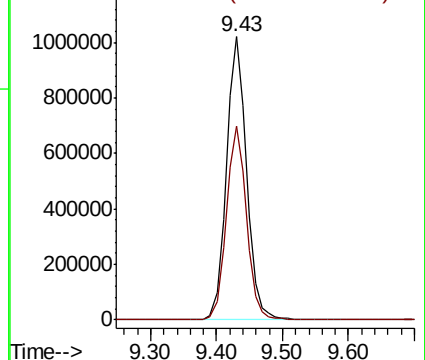
98 100

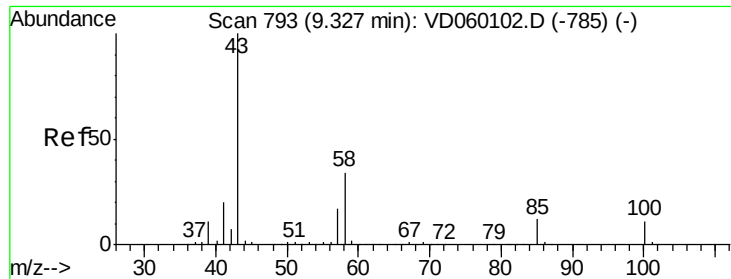
100 68.7 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.328 ug/l

RT: 9.43 min Scan# 803

Delta R.T. 0.10 min

Lab File: VD060164.D

Acq: 9 Oct 2018 21:26

Instrument :

MSVOA_D

ClientSampled :

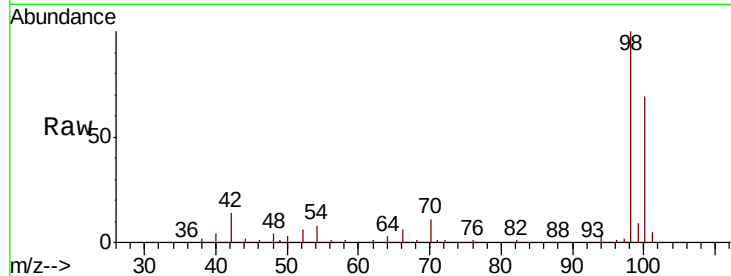
FL-PIT-8

Tot Ion: 43 Resp: 11937

Ion Ratio Lower Upper

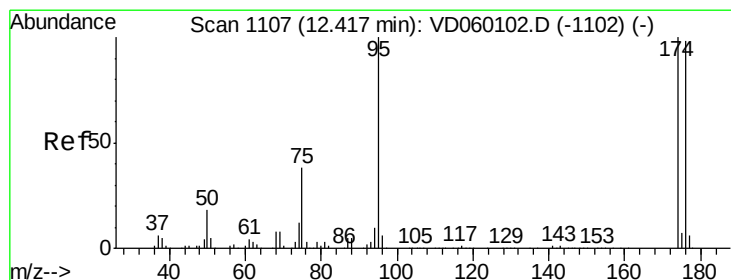
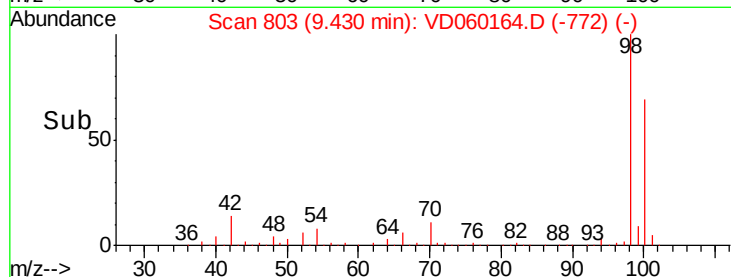
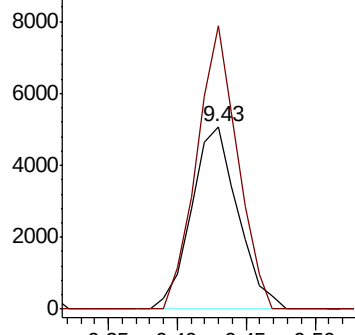
43 100

58 155.1 27.2 40.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.41 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD060164.D

Acq: 9 Oct 2018 21:26

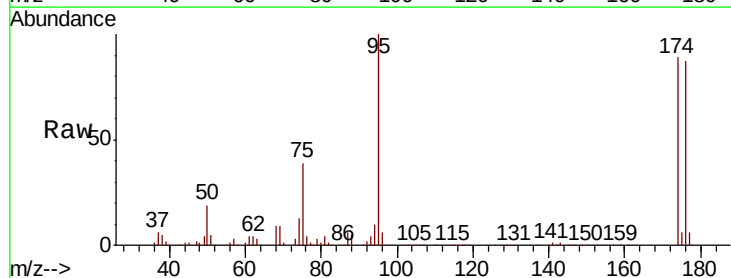
Tgt Ion: 95 Resp: 819208

Ion Ratio Lower Upper

95 100

174 89.0 0.0 200.2

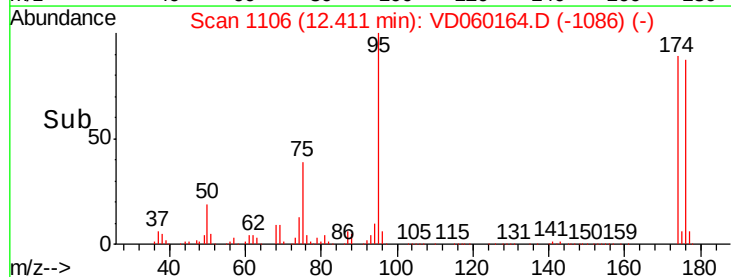
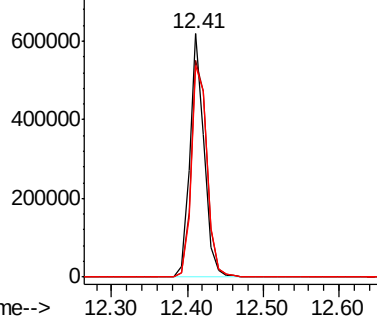
176 86.7 0.0 195.6

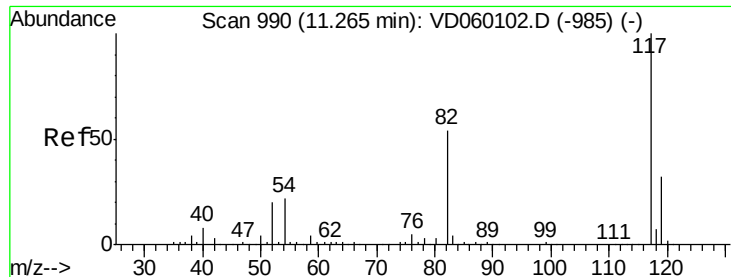


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

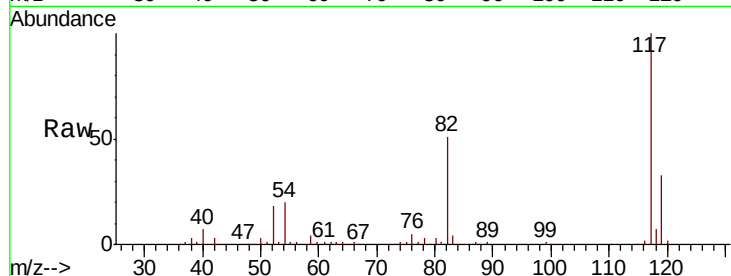




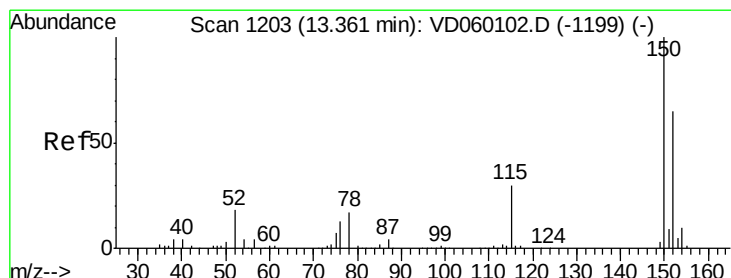
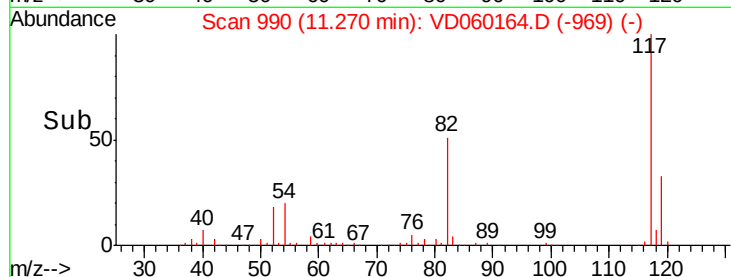
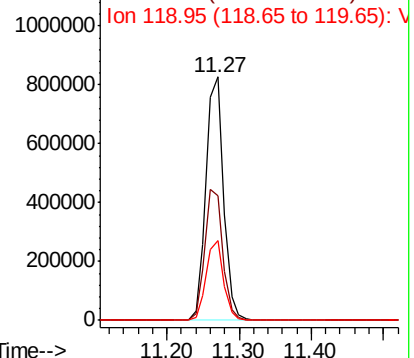
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VD060164.D
Acq: 9 Oct 2018 21:26

Instrument :
MSVOA_D
ClientSampleId :
FL-PIT-8

Tot Ion:117 Resp: 1386424
Ion Ratio Lower Upper
117 100
82 51.4 43.4 65.2
119 32.7 26.0 39.0

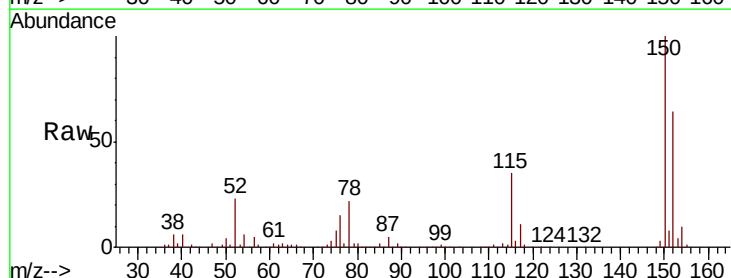


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

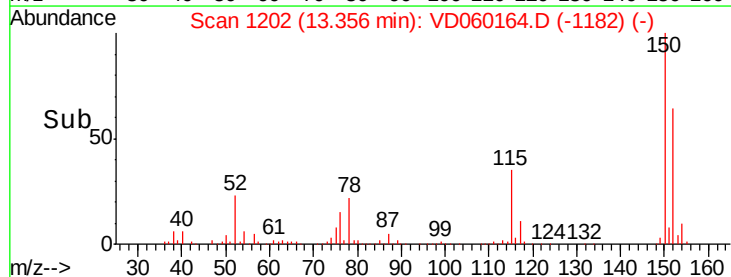
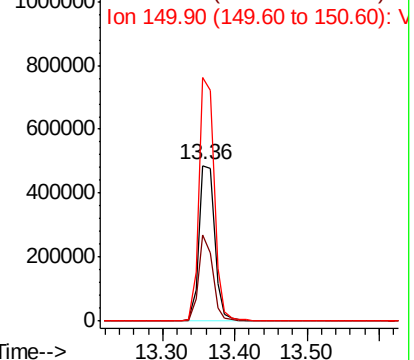


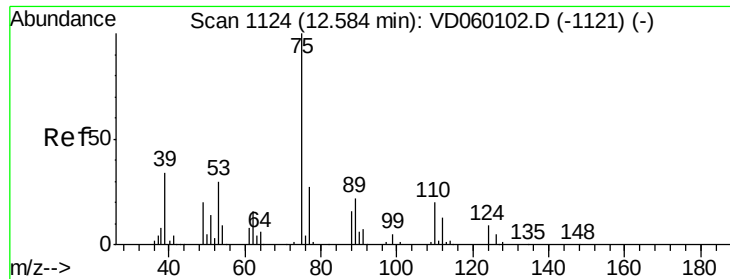
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1202
Delta R.T. -0.01 min
Lab File: VD060164.D
Acq: 9 Oct 2018 21:26

Tgt Ion:152 Resp: 724932
Ion Ratio Lower Upper
152 100
115 55.1 27.1 81.2
150 156.5 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: 23.506 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. -0.17 min

Lab File: VD060164.D

Acq: 9 Oct 2018 21:26

Instrument :

MSVOA_D

ClientSampled :

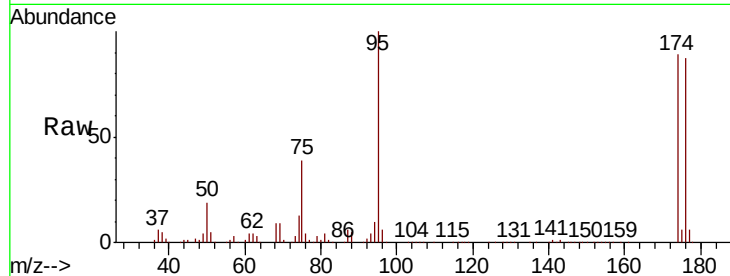
FL-PIT-8

Tot Ion: 75 Resp: 245404

Ion Ratio Lower Upper

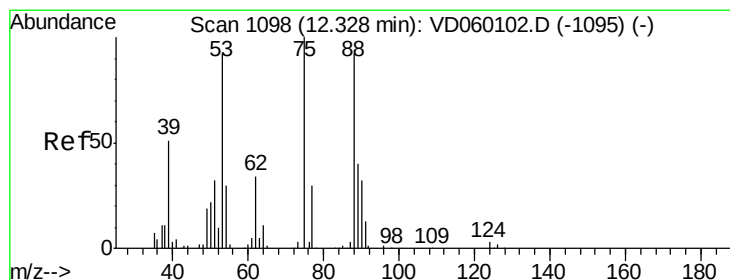
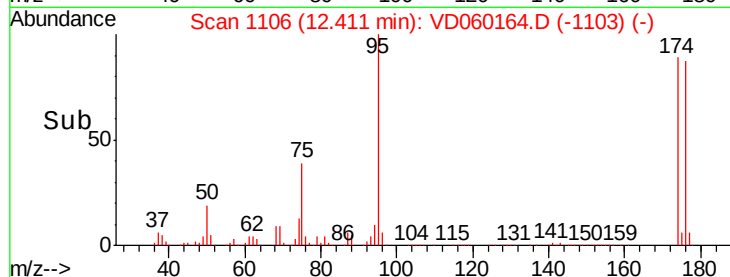
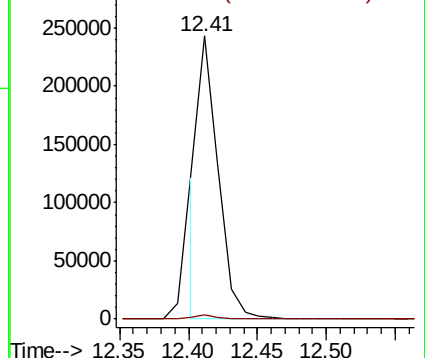
75 100

77 1.7 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: 110.777 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. 0.08 min

Lab File: VD060164.D

Acq: 9 Oct 2018 21:26

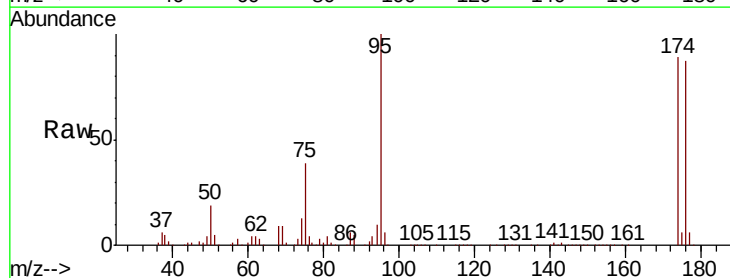
Tgt Ion: 75 Resp: 324963

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

