

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100918\
 Data File : VD060161.D
 Acq On : 9 Oct 2018 20:01
 Operator : VA/AP
 Sample : J5326-17
 Misc : 6.03g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FL-PIT-5

Quant Time: Oct 10 01:16:56 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	1050032	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.41	114	1426722	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.26	117	1136512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	531498	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.75	65	547477	68.78	ug/l	-0.01
Spiked Amount				50.000		
Recovery						= 137.56%
35) Dibromofluoromethane	6.28	113	679754	62.74	ug/l	-0.01
Spiked Amount				50.000		
Recovery						= 125.48%
50) Toluene-d8	9.43	98	1813289	58.69	ug/l	0.00
Spiked Amount				50.000		
Recovery						= 117.38%
62) 4-Bromofluorobenzene	12.42	95	619756	53.58	ug/l	0.00
Spiked Amount				50.000		
Recovery						= 107.16%

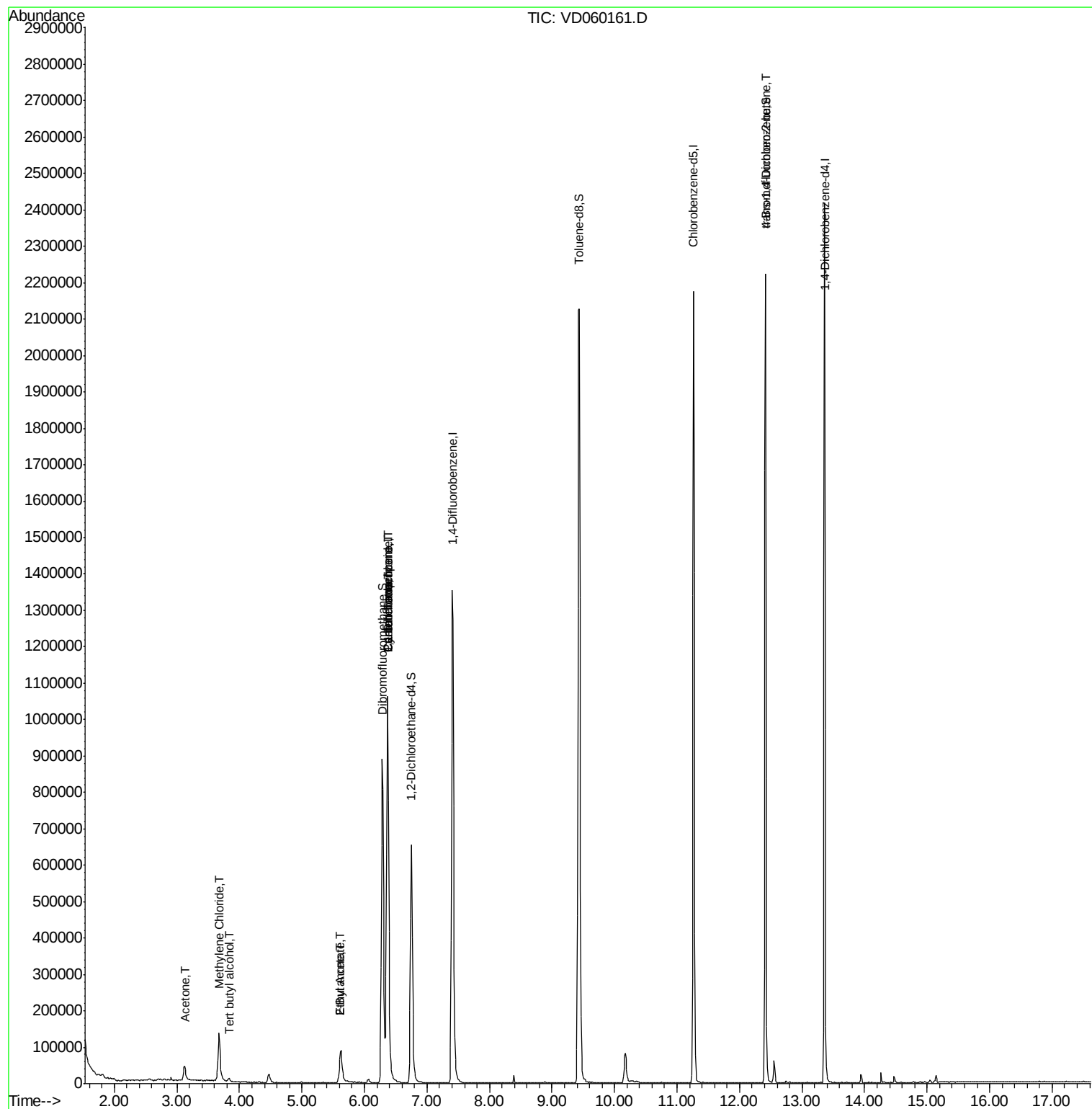
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.84	59	7895	13.831	ug/l #	74
16) Acetone	3.12	43	72598	50.267	ug/l	92
20) Methylene Chloride	3.68	84	74762	2.490	ug/l	97
25) 2-Butanone	5.60	43	14341	3.975	ug/l #	88
31) Cyclohexane	6.36	56	18640	1.081	ug/l #	1
36) 1,1-Dichloropropene	6.36	75	75881	5.566	ug/l #	47
37) Ethyl Acetate	5.60	43	14341	1.585	ug/l #	89
38) Carbon Tetrachloride	6.37	117	79969	6.463	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.42	75	249868	116.178	ug/l #	13

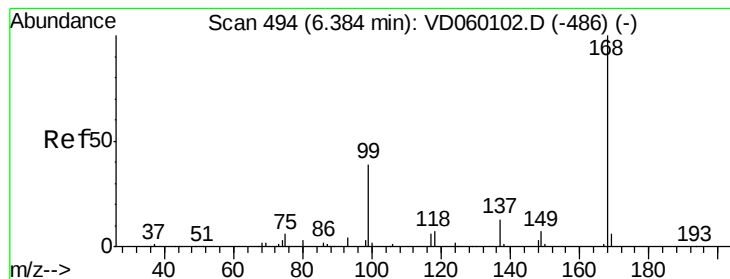
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 10 01:16:56 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

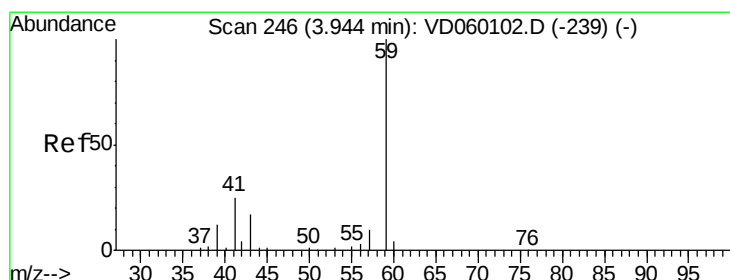
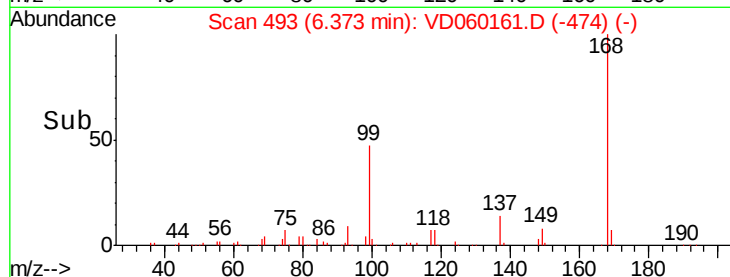
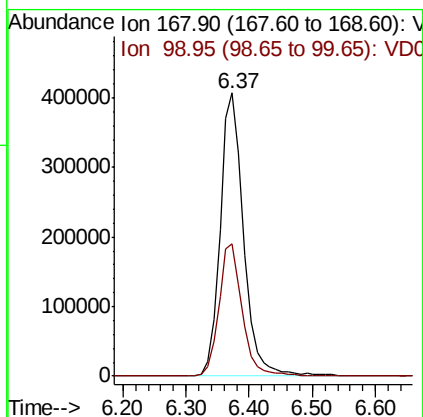
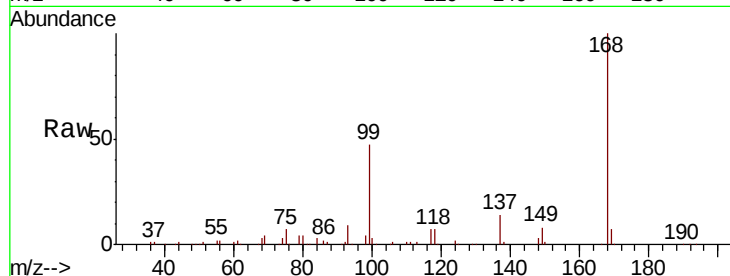




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 6.37 min Scan# 493
Delta R.T. -0.01 min
Lab File: VD060161.D
Acq: 9 Oct 2018 20:01

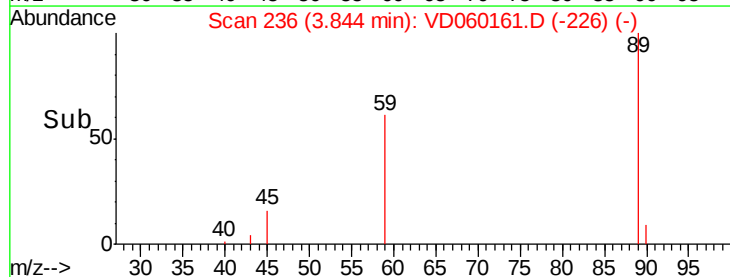
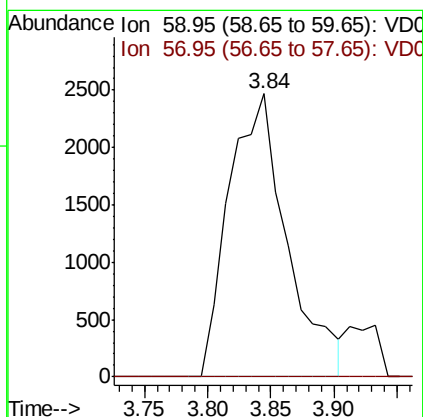
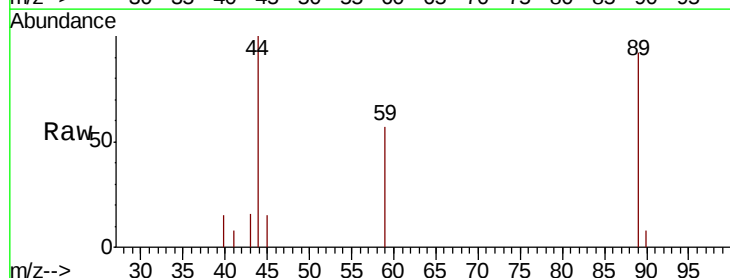
Instrument :
MSVOA_D
ClientSampleId :
FL-PIT-5

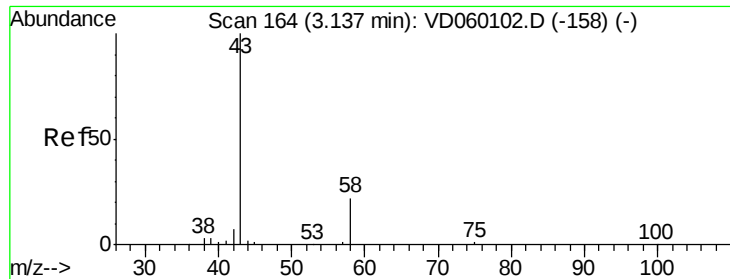
Tot Ion:168 Resp: 1050032
Ion Ratio Lower Upper
168 100
99 46.5 35.4 53.0



#11
Tert butyl alcohol
Concen: 13.831 ug/l
RT: 3.84 min Scan# 236
Delta R.T. -0.10 min
Lab File: VD060161.D
Acq: 9 Oct 2018 20:01

Tgt Ion: 59 Resp: 7895
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#16

Acetone

Concen: 50.267 ug/l

RT: 3.12 min Scan# 162

Delta R.T. -0.02 min

Lab File: VD060161.D

Acq: 9 Oct 2018 20:01

Instrument :

MSVOA_D

ClientSampled :

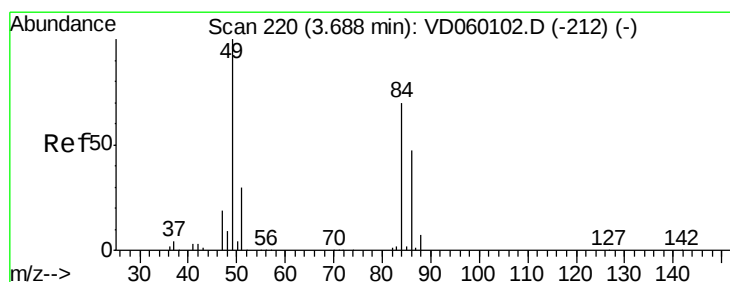
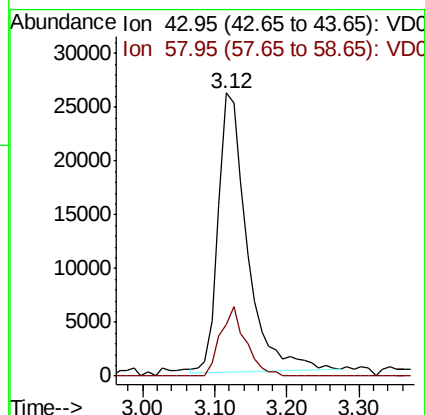
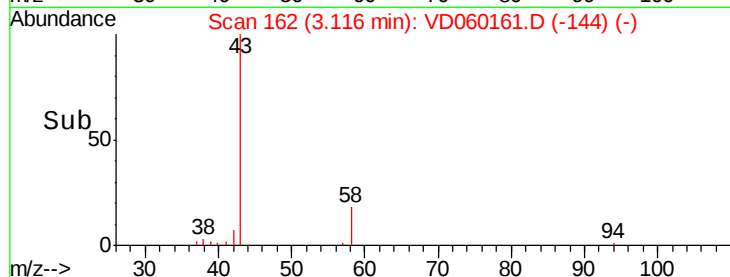
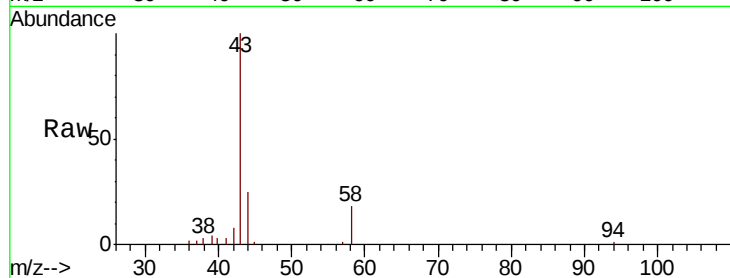
FL-PIT-5

Tot Ion: 43 Resp: 72598

Ion Ratio Lower Upper

43 100

58 18.3 17.7 26.5



#20

Methylene Chloride

Concen: 2.490 ug/l

RT: 3.68 min Scan# 219

Delta R.T. -0.01 min

Lab File: VD060161.D

Acq: 9 Oct 2018 20:01

Tgt Ion: 84 Resp: 74762

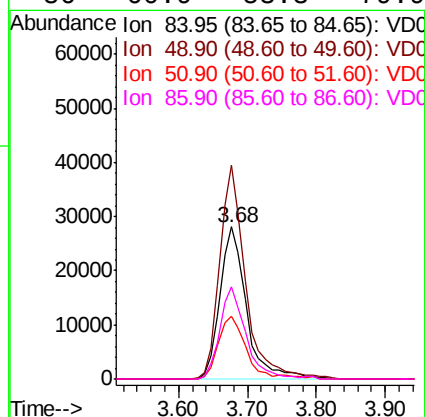
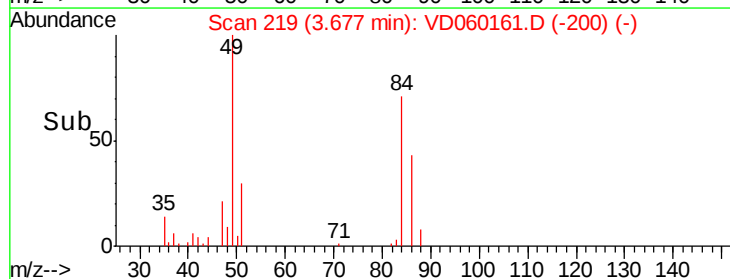
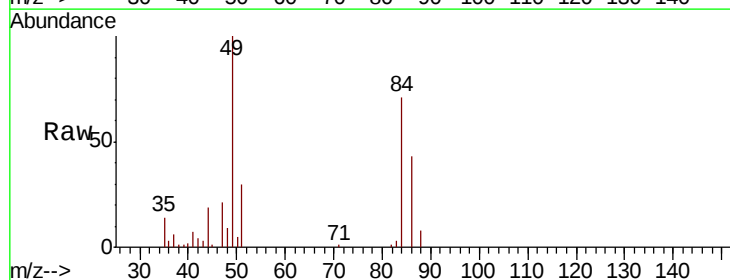
Ion Ratio Lower Upper

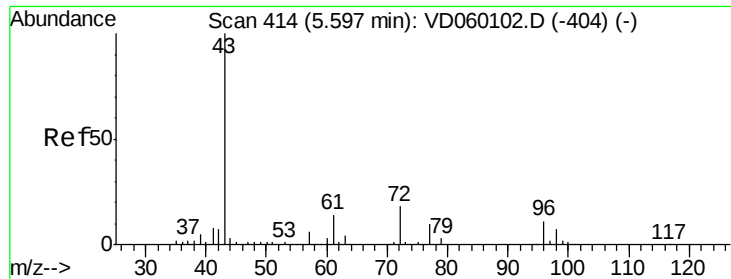
84 100

49 140.3 114.6 172.0

51 41.6 33.8 50.8

86 60.9 53.3 79.9





#25

2-Butanone

Concen: 3.975 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.00 min

Lab File: VD060161.D

Acq: 9 Oct 2018 20:01

Instrument :

MSVOA_D

ClientSampleId :

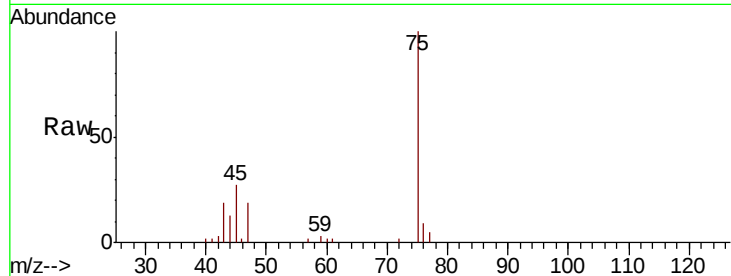
FL-PIT-5

Tot Ion: 43 Resp: 14341

Ion Ratio Lower Upper

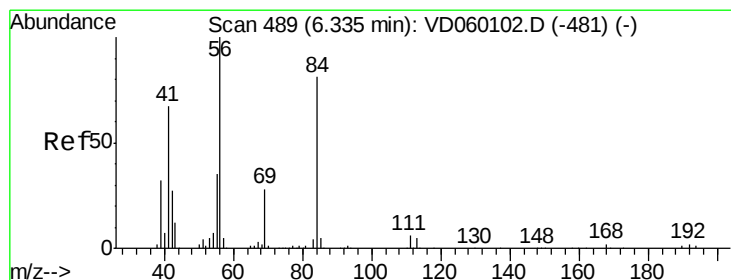
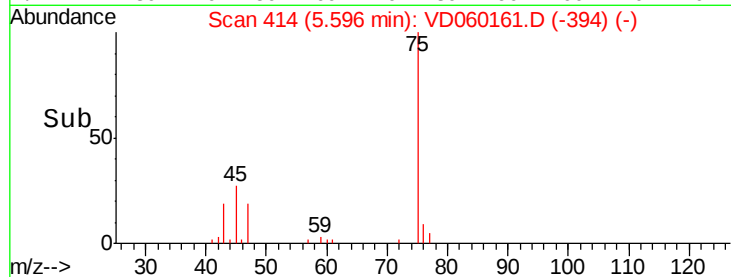
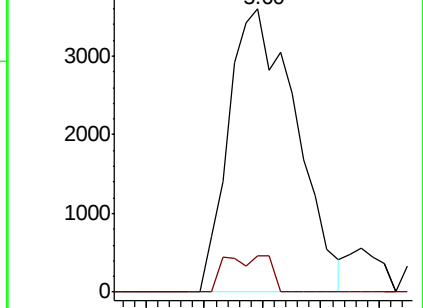
43 100

72 12.8 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: 1.081 ug/l

RT: 6.36 min Scan# 492

Delta R.T. 0.03 min

Lab File: VD060161.D

Acq: 9 Oct 2018 20:01

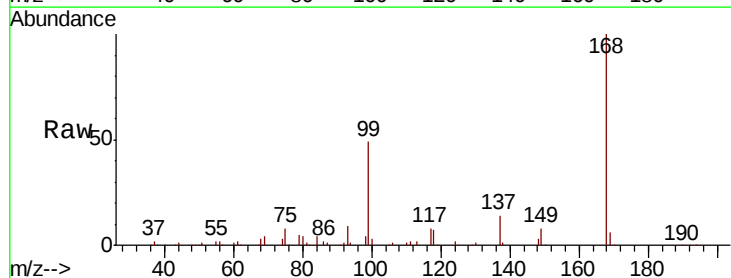
Tgt Ion: 56 Resp: 18640

Ion Ratio Lower Upper

56 100

69 220.6 22.8 34.2#

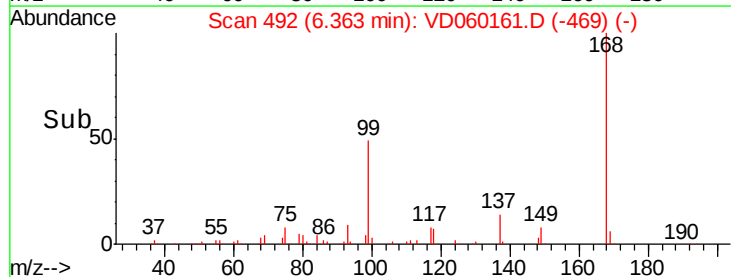
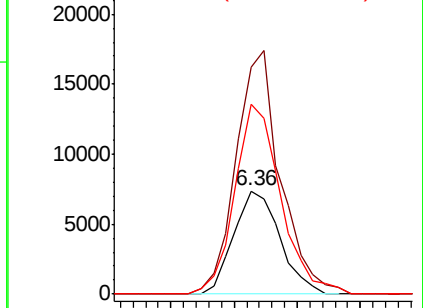
84 184.4 64.9 97.3#

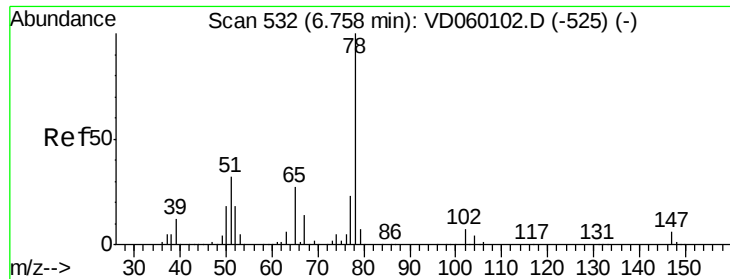


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: 6.75 min Scan# 531

Delta R.T. -0.01 min

Lab File: VD060161.D

Acq: 9 Oct 2018 20:01

Instrument :

MSVOA_D

ClientSampleId :

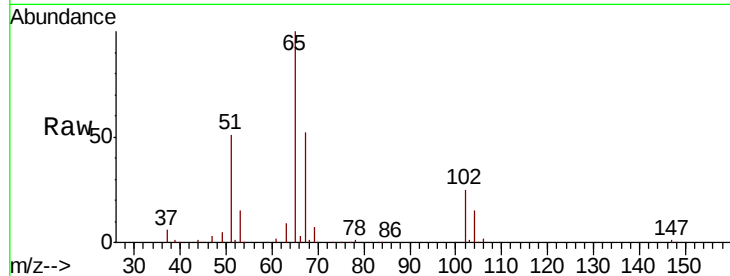
FL-PIT-5

Tot Ion: 65 Resp: 547477

Ion Ratio Lower Upper

65 100

67 52.0 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

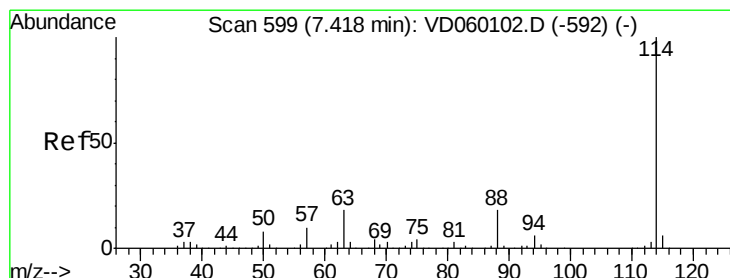
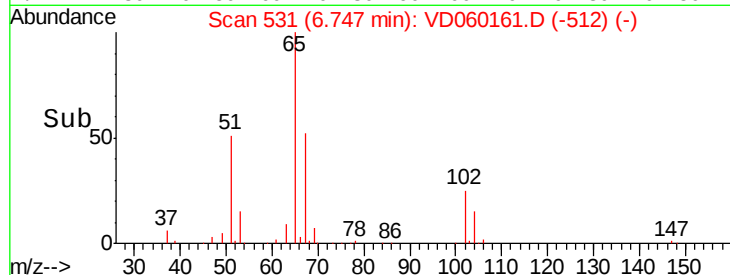
100000

50000

0

6.60 6.70 6.80 6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.41 min Scan# 598

Delta R.T. -0.01 min

Lab File: VD060161.D

Acq: 9 Oct 2018 20:01

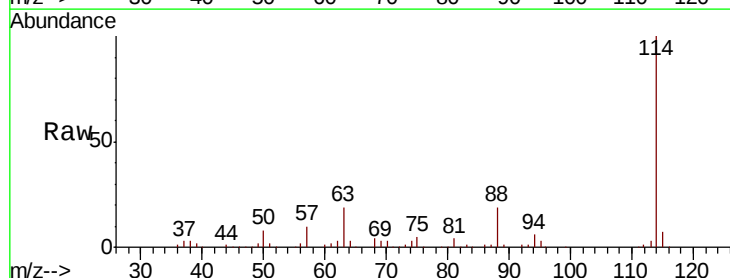
Tgt Ion: 114 Resp: 1426722

Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.0

88 19.2 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

800000

600000

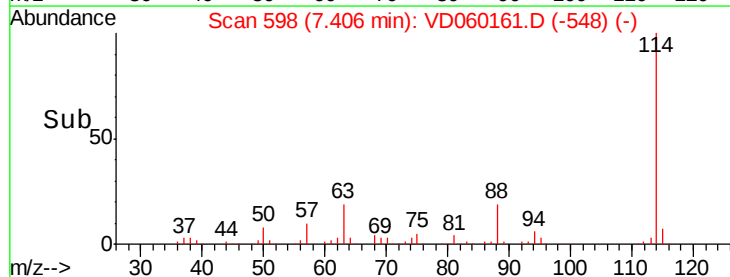
400000

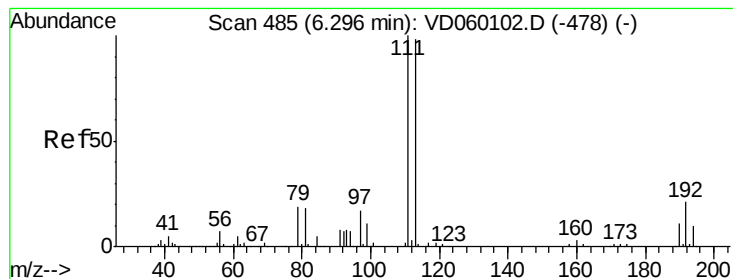
200000

0

7.20 7.40 7.60

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.28 min Scan# 484

Delta R.T. -0.01 min

Lab File: VD060161.D

Acq: 9 Oct 2018 20:01

Instrument :

MSVOA_D

ClientSampleId :

FL-PIT-5

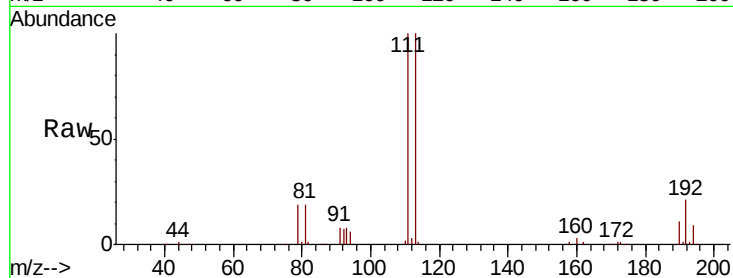
Tot Ion:113 Resp: 679754

Ion Ratio Lower Upper

113 100

111 100.5 81.5 122.3

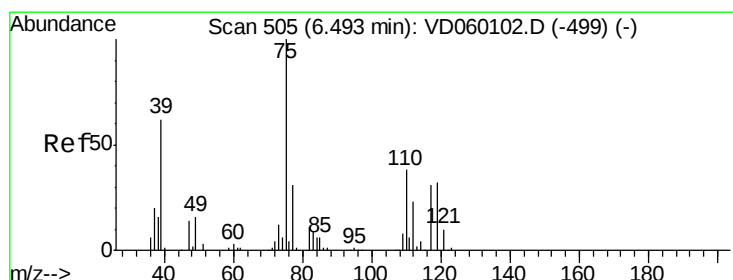
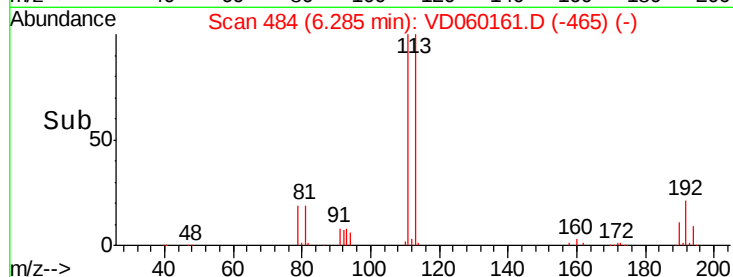
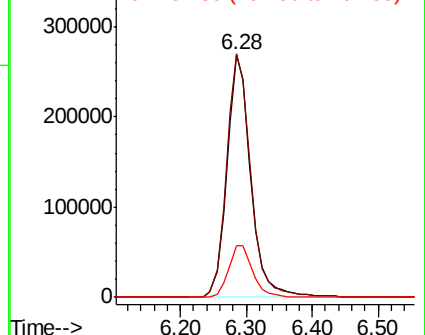
192 21.1 17.4 26.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 5.566 ug/l

RT: 6.36 min Scan# 492

Delta R.T. -0.13 min

Lab File: VD060161.D

Acq: 9 Oct 2018 20:01

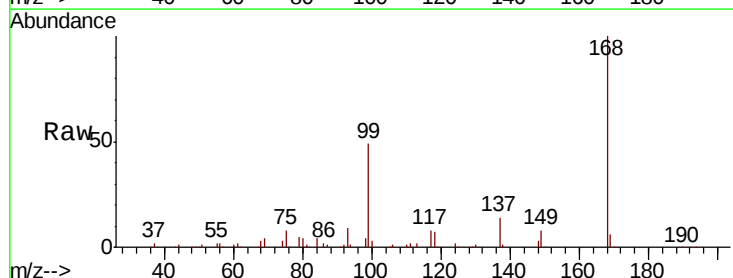
Tgt Ion: 75 Resp: 75881

Ion Ratio Lower Upper

75 100

110 7.8 19.0 57.0#

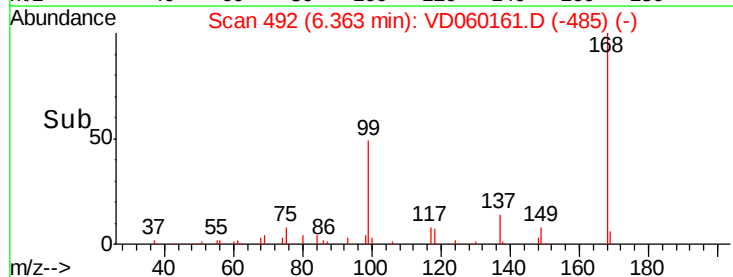
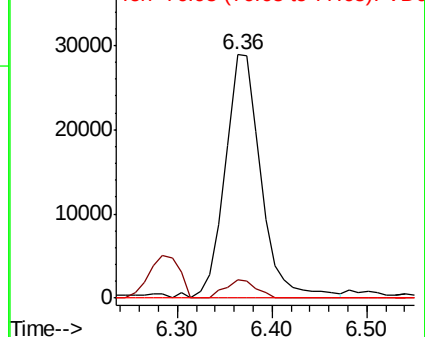
77 0.0 24.9 37.3#

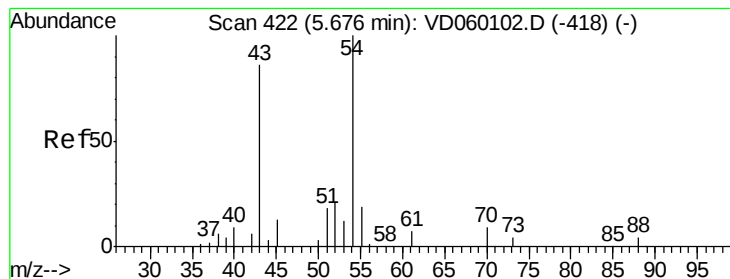


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 1.585 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.08 min

Lab File: VD060161.D

Acq: 9 Oct 2018 20:01

Instrument :

MSVOA_D

ClientSampleID :

FL-PIT-5

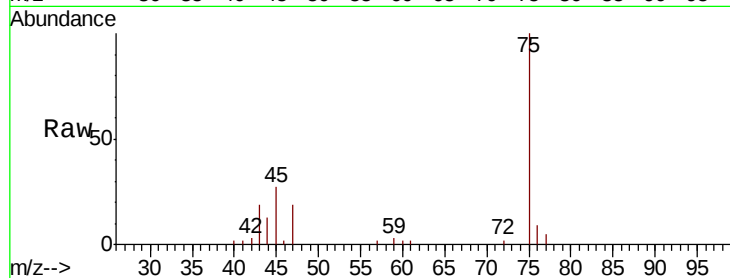
Tot Ion: 43 Resp: 14341

Ion Ratio Lower Upper

43 100

61 11.7 10.5 15.7

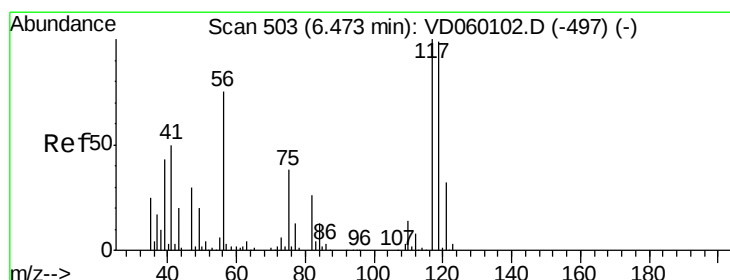
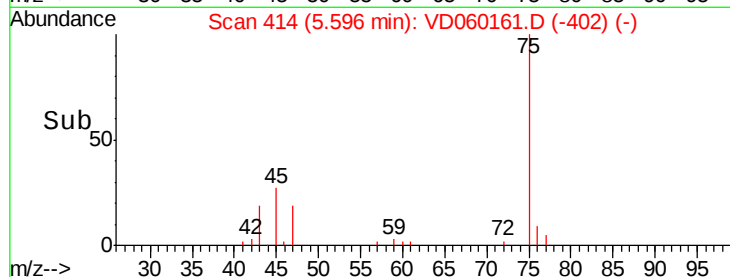
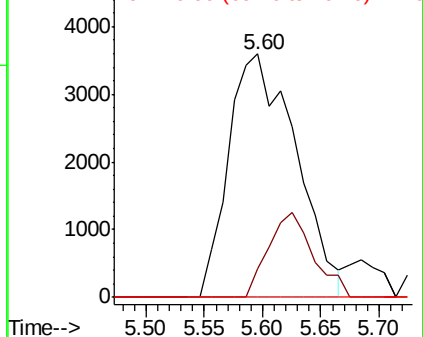
70 0.0 6.3 9.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 6.463 ug/l

RT: 6.37 min Scan# 493

Delta R.T. -0.10 min

Lab File: VD060161.D

Acq: 9 Oct 2018 20:01

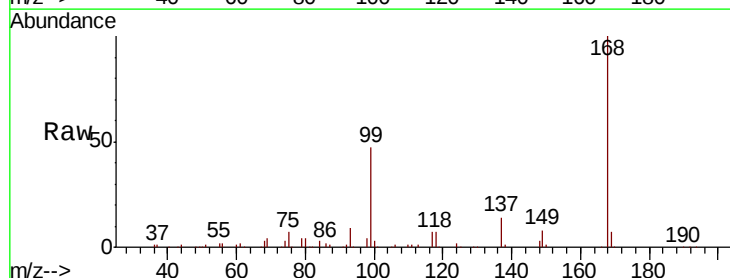
Tgt Ion: 117 Resp: 79969

Ion Ratio Lower Upper

117 100

119 4.0 77.8 116.6#

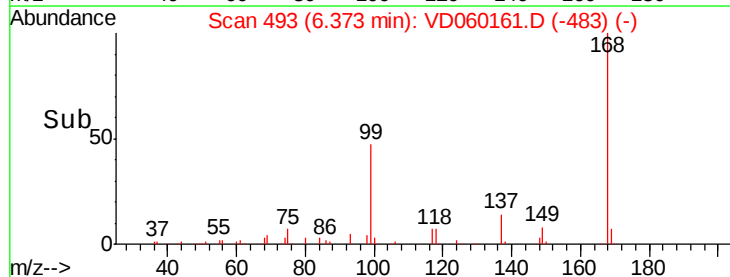
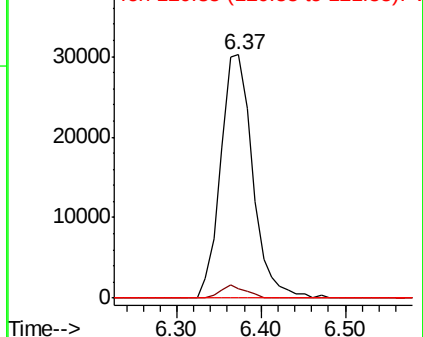
121 0.0 24.8 37.2#

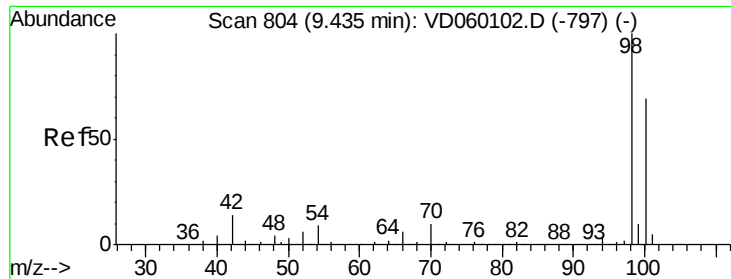


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

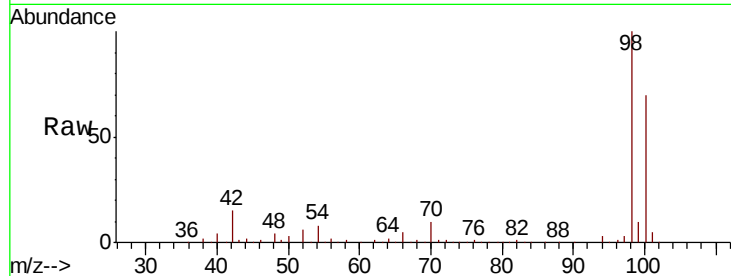




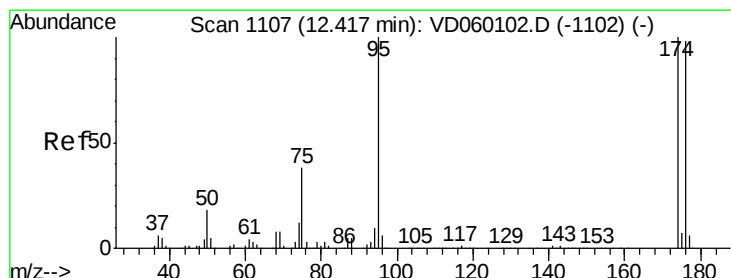
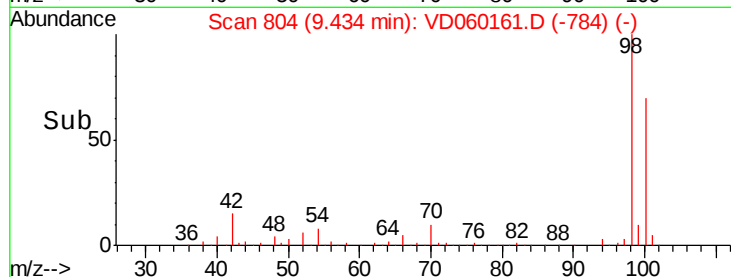
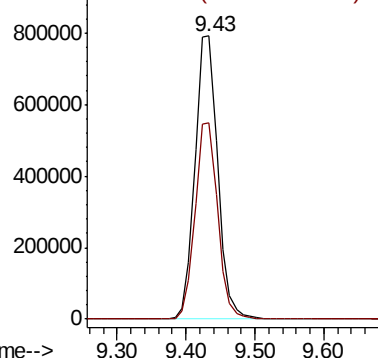
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.43 min Scan# 804
Delta R.T. -0.00 min
Lab File: VD060161.D
Acq: 9 Oct 2018 20:01

Instrument :
MSVOA_D
ClientSampleId :
FL-PIT-5

Tot Ion: 98 Resp: 1813289
Ion Ratio Lower Upper
98 100
100 69.6 55.4 83.0

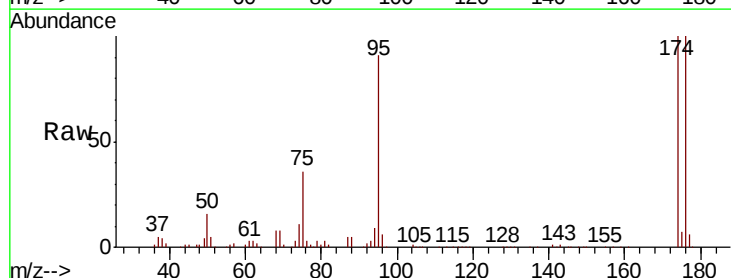


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

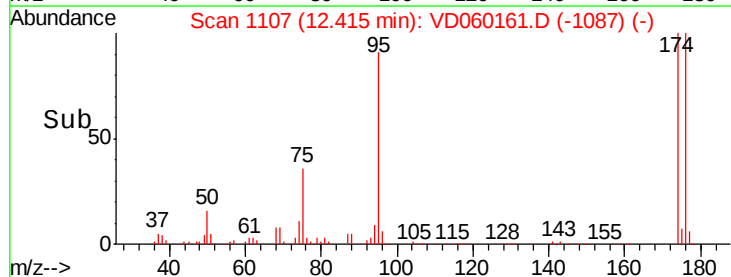
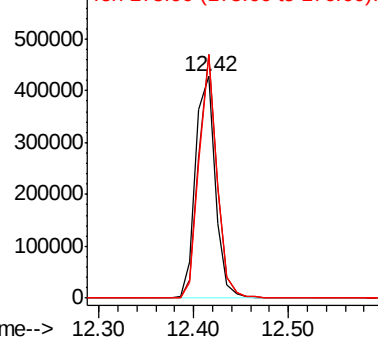


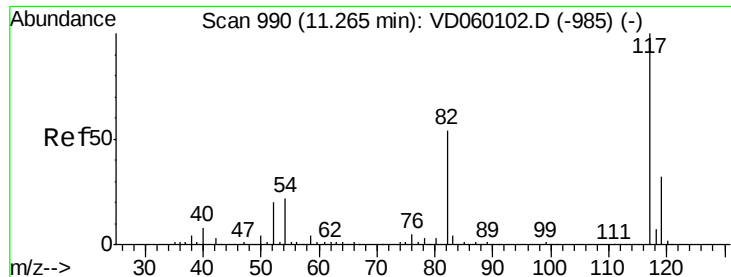
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD060161.D
Acq: 9 Oct 2018 20:01

Tgt Ion: 95 Resp: 619756
Ion Ratio Lower Upper
95 100
174 109.8 0.0 200.2
176 109.7 0.0 195.6



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

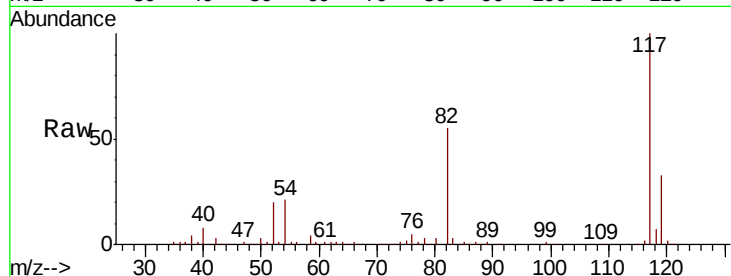




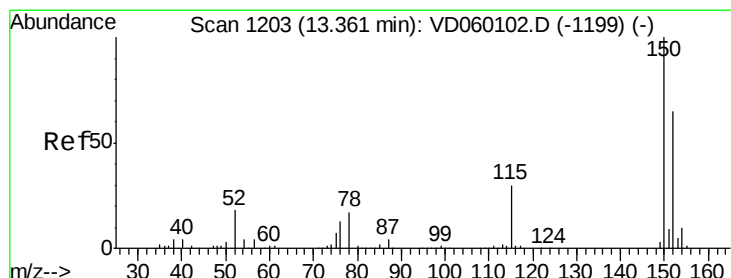
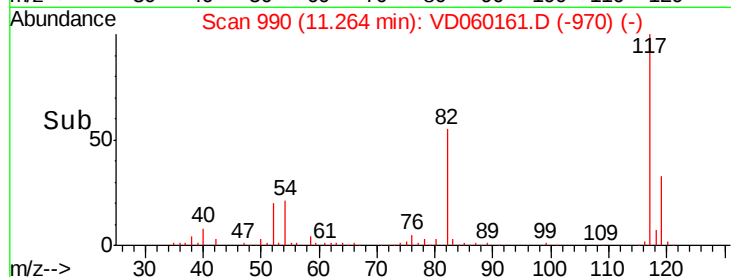
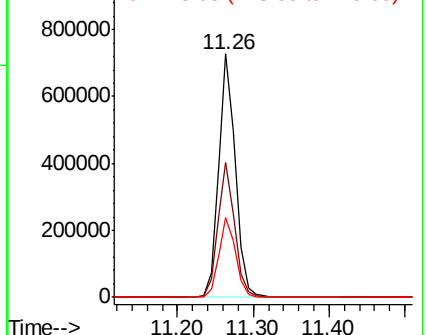
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.26 min Scan# 990
Delta R.T. -0.00 min
Lab File: VD060161.D
Acq: 9 Oct 2018 20:01

Instrument :
MSVOA_D
ClientSampleID :
FL-PIT-5

Tot Ion:117 Resp: 1136512
Ion Ratio Lower Upper
117 100
82 55.2 43.4 65.2
119 33.0 26.0 39.0

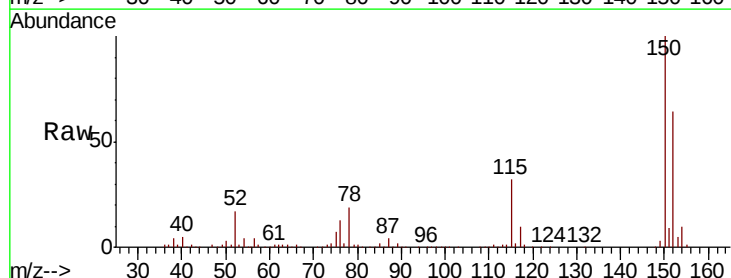


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

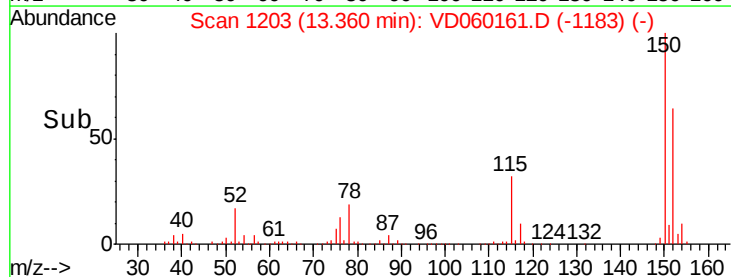
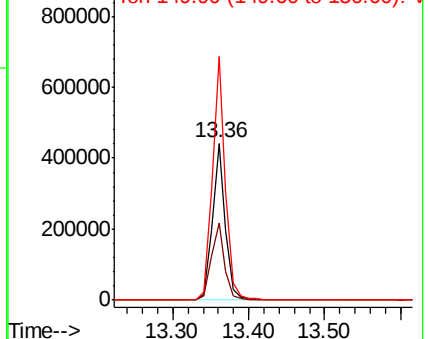


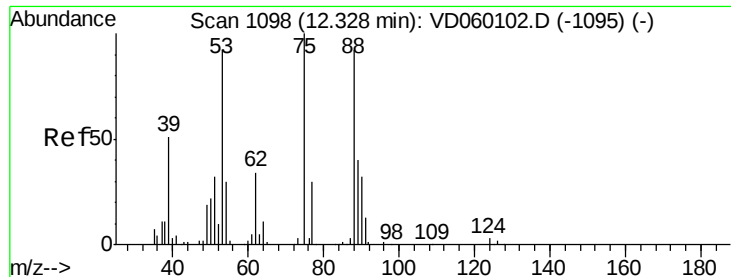
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.00 min
Lab File: VD060161.D
Acq: 9 Oct 2018 20:01

Tgt Ion:152 Resp: 531498
Ion Ratio Lower Upper
152 100
115 49.1 27.1 81.2
150 155.4 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





#81

trans-1,4-Dichloro-2-butene

Concen: 116.178 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.09 min

Lab File: VD060161.D

Acq: 9 Oct 2018 20:01

Instrument :

MSVOA_D

ClientSampleId :

FL-PIT-5

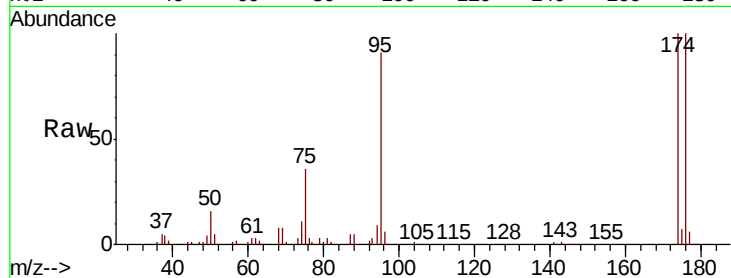
Tot Ion: 75 Resp: 249868

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

