

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100918\
 Data File : VD060159.D
 Acq On : 9 Oct 2018 19:04
 Operator : VA/AP
 Sample : J5326-09
 Misc : 6.17g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FL-PIT-3

Quant Time: Oct 10 01:16:35 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	6.38	168	1345983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.41	114	1869172	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1514981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	808118	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	669095	65.58	ug/l	0.00
Spiked Amount			Recovery	=	131.16%	
35) Dibromofluoromethane	6.29	113	856409	60.34	ug/l	0.00
Spiked Amount			Recovery	=	120.68%	
50) Toluene-d8	9.43	98	2352445	58.12	ug/l	0.00
Spiked Amount			Recovery	=	116.24%	
62) 4-Bromofluorobenzene	12.41	95	888063	58.60	ug/l	0.00
Spiked Amount			Recovery	=	117.20%	

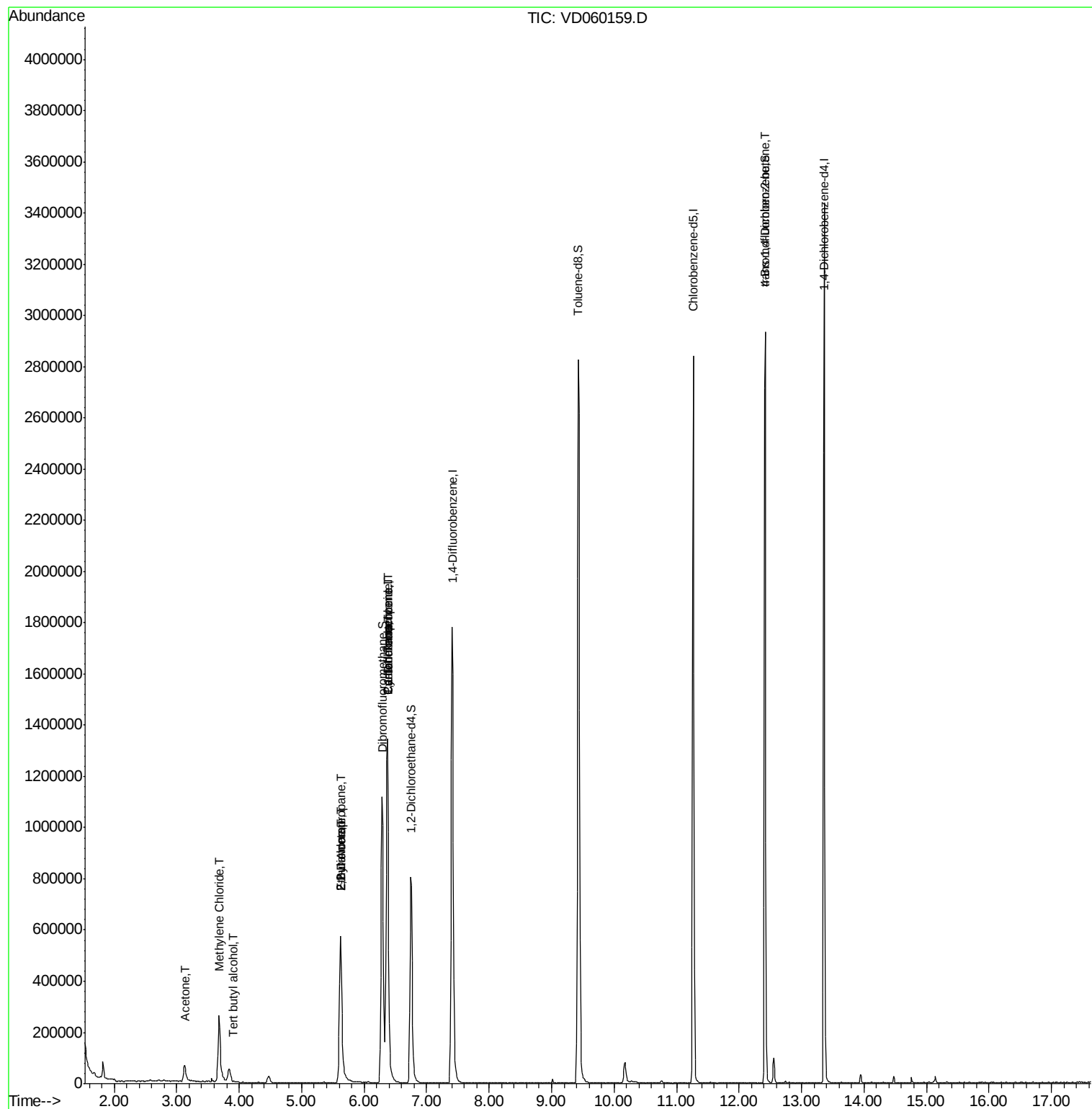
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.92	59	4880	6.669	ug/l #	74
16) Acetone	3.13	43	122347	66.086	ug/l	99
20) Methylene Chloride	3.68	84	145639	6.229	ug/l	95
25) 2-Butanone	5.63	43	45321	9.799	ug/l #	81
26) 2,2-Dichloropropane	5.62	77	37232	2.127	ug/l #	48
31) Cyclohexane	6.37	56	23095	1.045	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	93375	5.228	ug/l #	46
37) Ethyl Acetate	5.63	43	45321	3.823	ug/l #	8
38) Carbon Tetrachloride	6.38	117	101118	6.237	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.41	75	360567	110.262	ug/l #	13

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

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FL-PIT-3

Quant Time: Oct 10 01:16:35 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: 6.38 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060159.D

Acq: 9 Oct 2018 19:04

Instrument :

MSVOA_D

ClientSampleID :

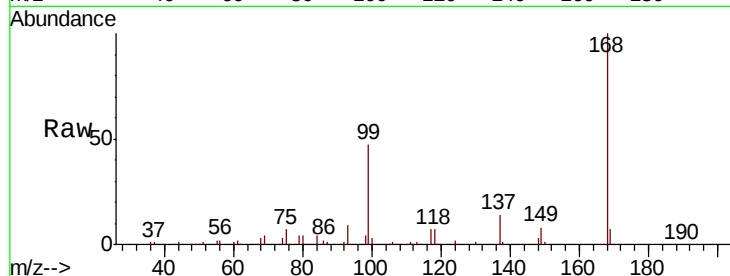
FL-PIT-3

Tot Ion:168 Resp: 1345983

Ion Ratio Lower Upper

168 100

99 46.8 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

600000

500000

400000

300000

200000

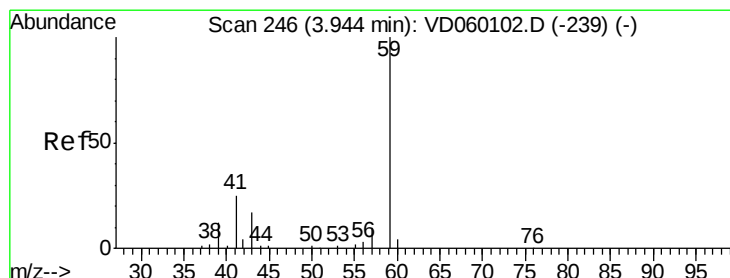
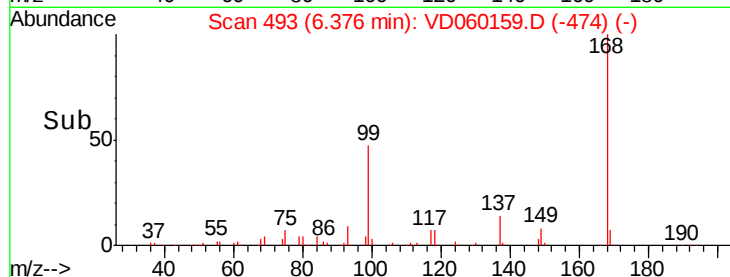
100000

0

6.38

6.20 6.30 6.40 6.50 6.60

Time-->



#11

Tert butyl alcohol

Concen: 6.669 ug/l

RT: 3.92 min Scan# 243

Delta R.T. -0.03 min

Lab File: VD060159.D

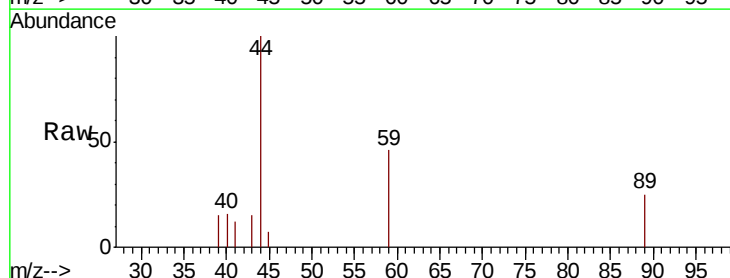
Acq: 9 Oct 2018 19:04

Tgt Ion: 59 Resp: 4880

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

10000

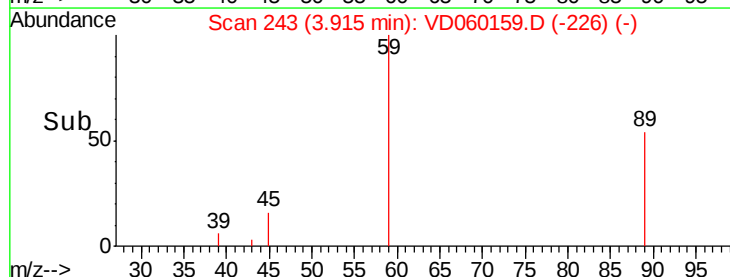
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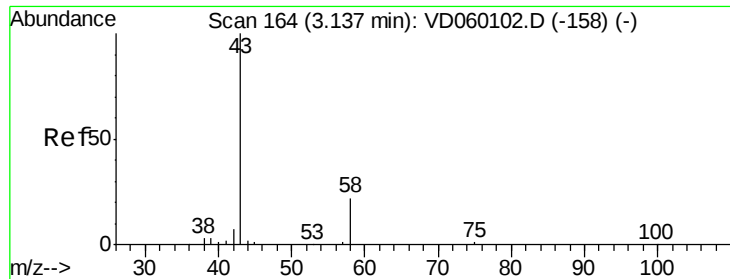
0

3.92

3.90 3.95 4.00 4.05

Time-->





#16

Acetone

Concen: 66.086 ug/l

RT: 3.13 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD060159.D

Acq: 9 Oct 2018 19:04

Instrument :

MSVOA_D

ClientSampleId :

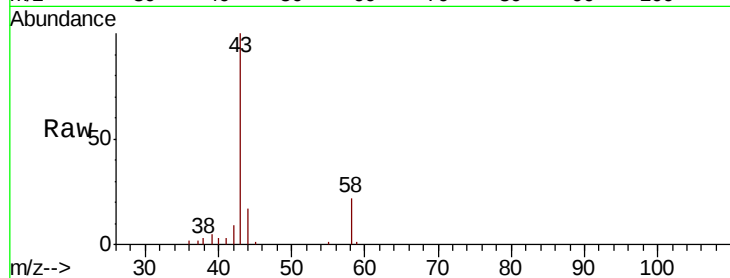
FL-PIT-3

Tot Ion: 43 Resp: 122347

Ion Ratio Lower Upper

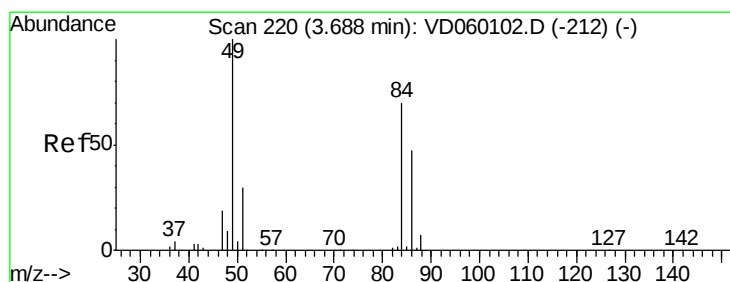
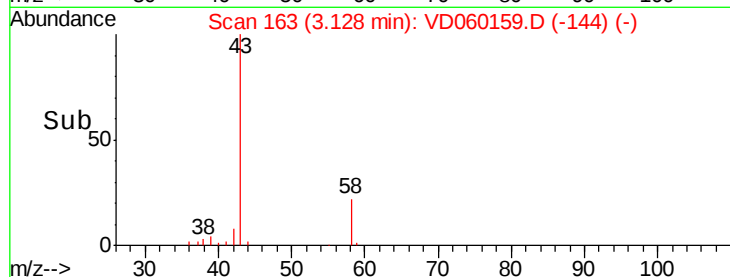
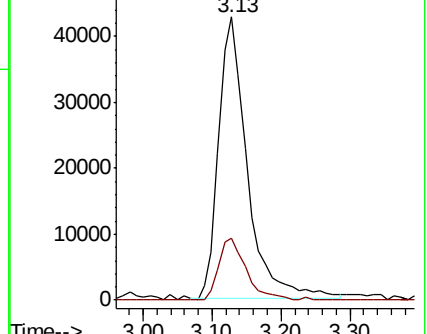
43 100

58 21.7 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: 6.229 ug/l

RT: 3.68 min Scan# 219

Delta R.T. -0.01 min

Lab File: VD060159.D

Acq: 9 Oct 2018 19:04

Tgt Ion: 84 Resp: 145639

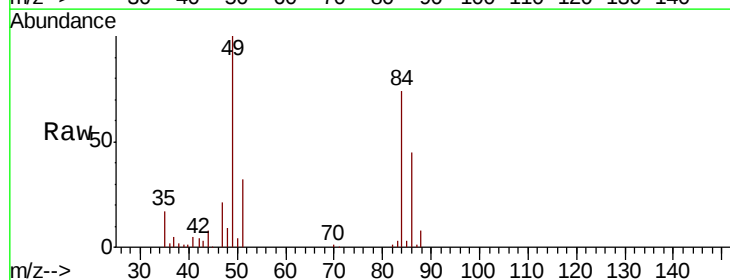
Ion Ratio Lower Upper

84 100

49 136.0 114.6 172.0

51 43.8 33.8 50.8

86 61.8 53.3 79.9

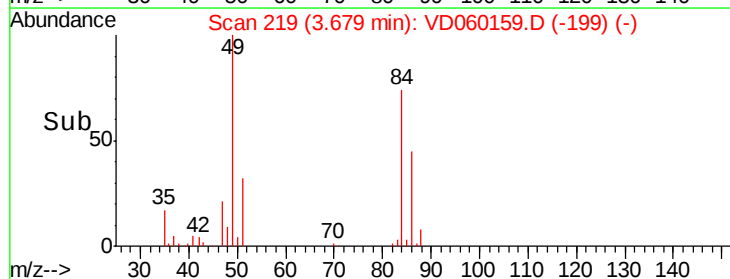
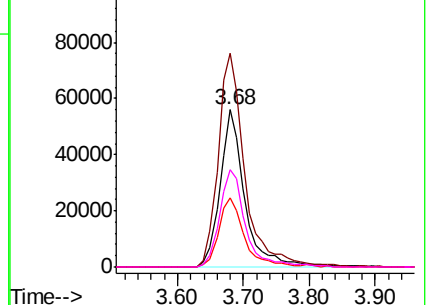


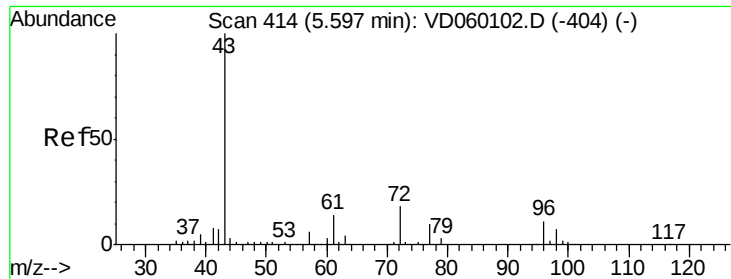
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 9.799 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.03 min

Lab File: VD060159.D

Acq: 9 Oct 2018 19:04

Instrument :

MSVOA_D

ClientSampleId :

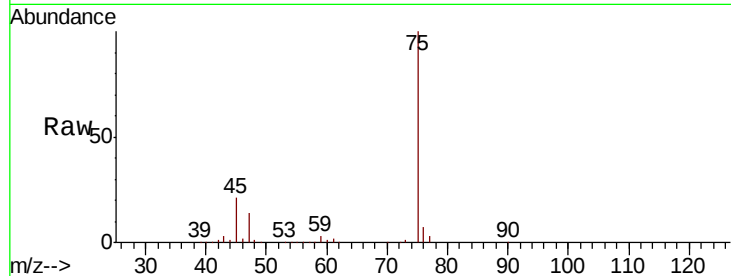
FL-PIT-3

Tot Ion: 43 Resp: 45321

Ion Ratio Lower Upper

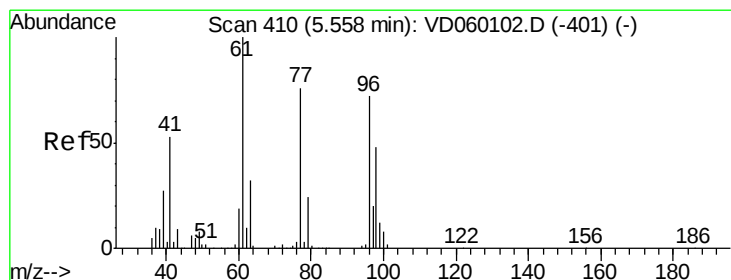
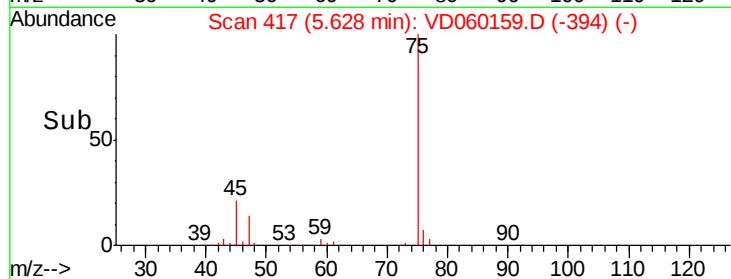
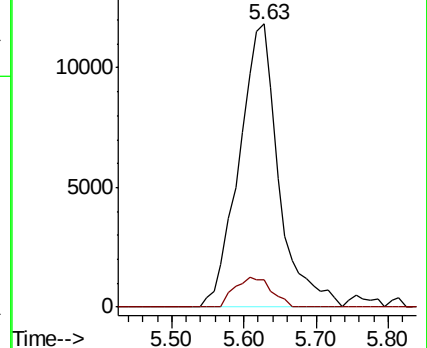
43 100

72 9.7 14.5 21.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 2.127 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.06 min

Lab File: VD060159.D

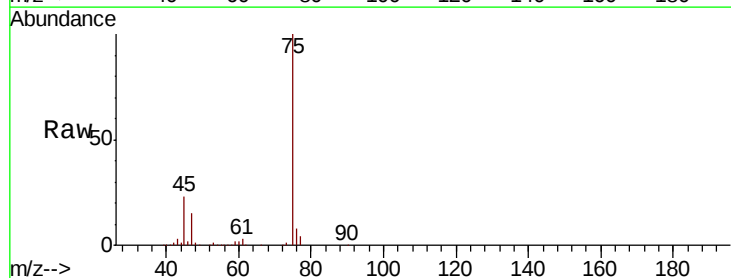
Acq: 9 Oct 2018 19:04

Tgt Ion: 77 Resp: 37232

Ion Ratio Lower Upper

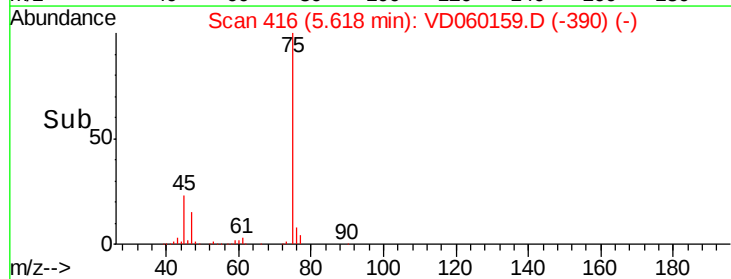
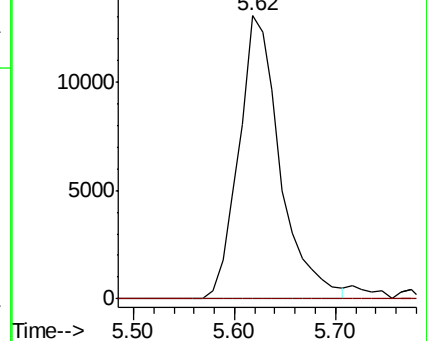
77 100

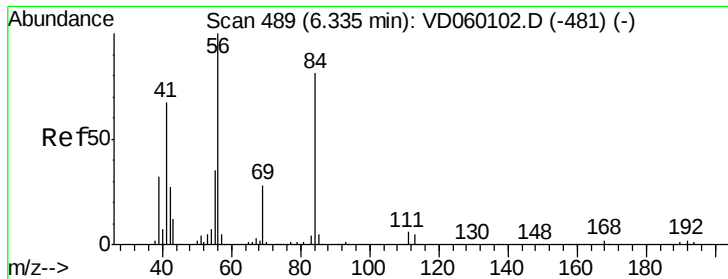
97 0.0 13.3 39.9#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

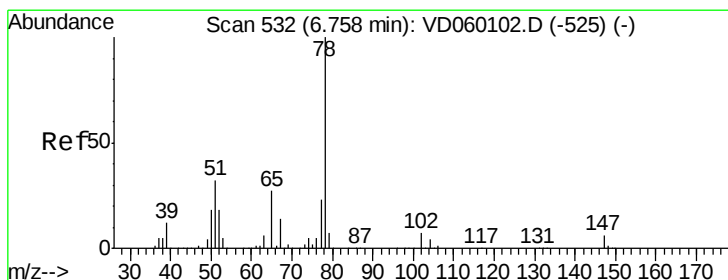
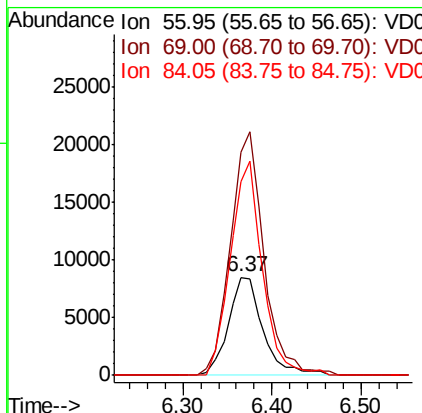
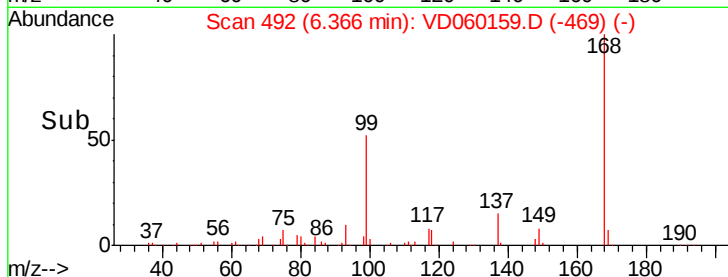
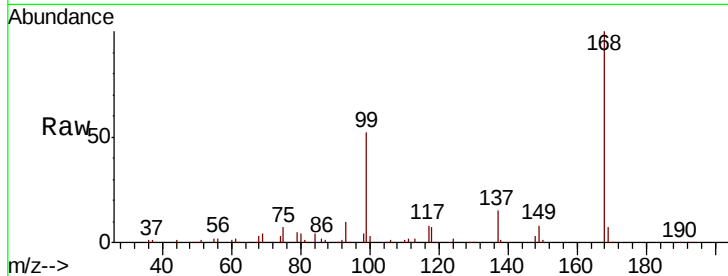




#31
Cyclohexane
Concen: 1.045 ug/l
RT: 6.37 min Scan# 492
Delta R.T. 0.03 min
Lab File: VD060159.D
Acq: 9 Oct 2018 19:04

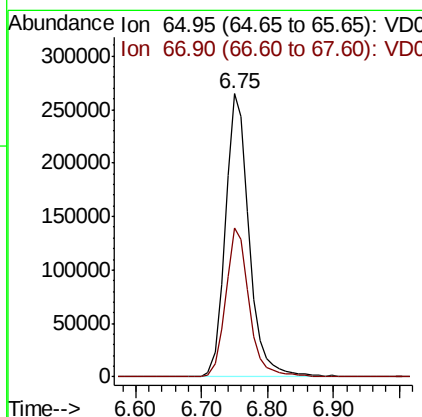
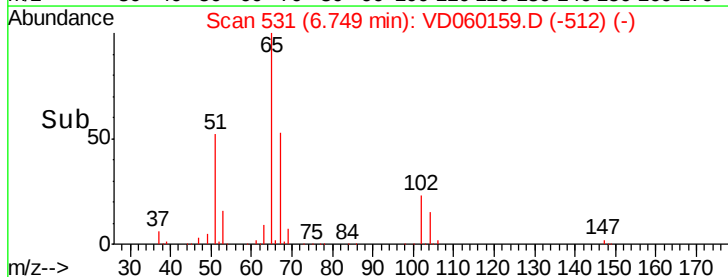
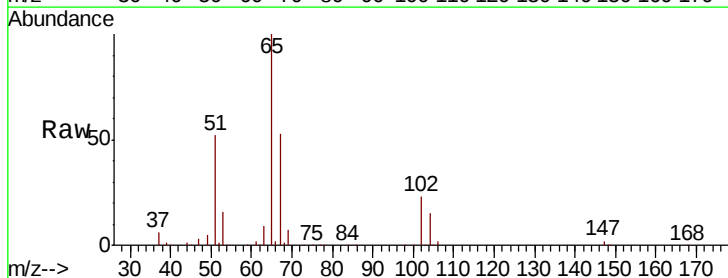
Instrument :
MSVOA_D
ClientSampled :
FL-PIT-3

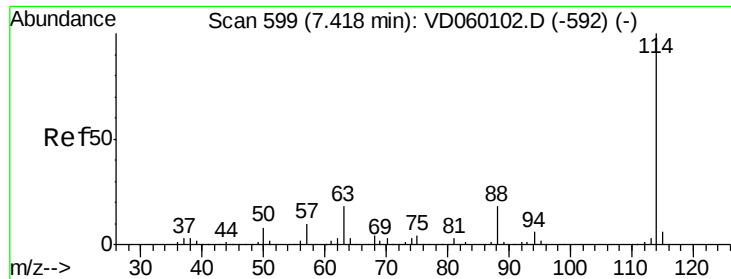
Tot Ion	56	69	84
Resp	23095		
Ratio	100	227.2	196.9
Lower		22.8	64.9
Upper		34.2#	97.3#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.75 min Scan# 531
Delta R.T. -0.01 min
Lab File: VD060159.D
Acq: 9 Oct 2018 19:04

Tgt Ion	65	67
Resp	669095	
Ratio	100	52.8
Lower		0.0
Upper		106.2

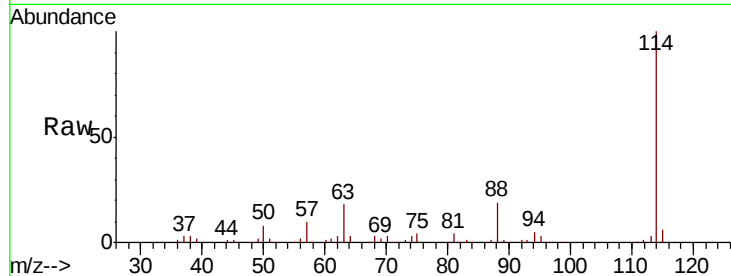




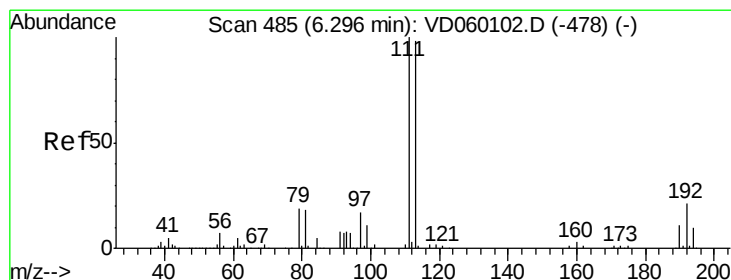
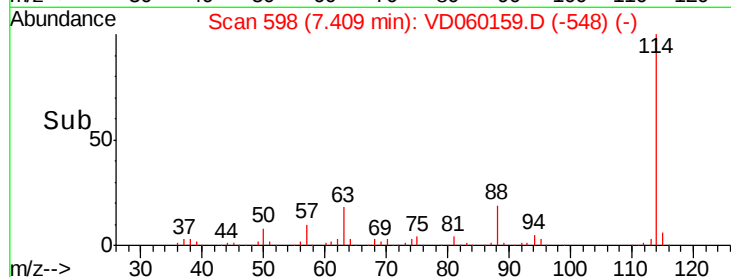
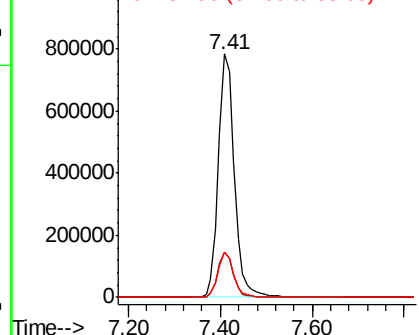
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.41 min Scan# 598
 Delta R.T. -0.01 min
 Lab File: VD060159.D
 Acq: 9 Oct 2018 19:04

Instrument :
 MSVOA_D
 ClientSampleId :
 FL-PIT-3

Tot Ion:114 Resp: 1869172
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.0
 88 18.6 0.0 36.2

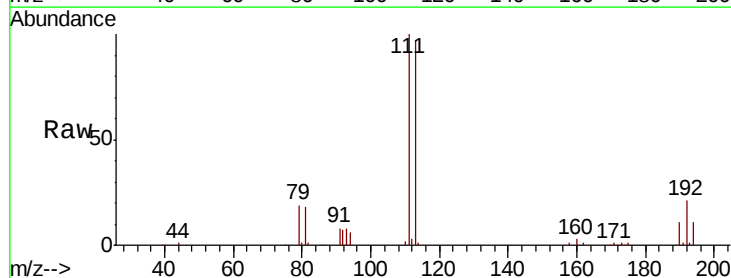


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

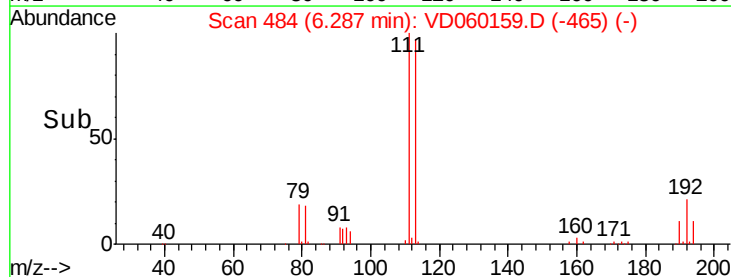
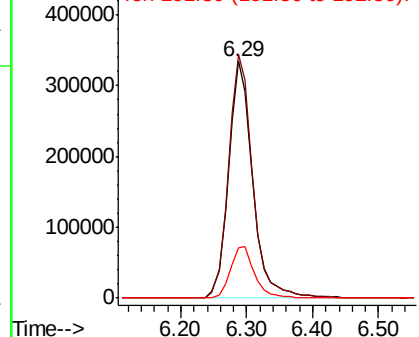


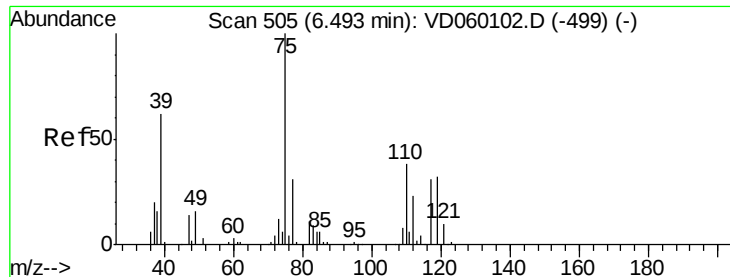
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.29 min Scan# 484
 Delta R.T. -0.01 min
 Lab File: VD060159.D
 Acq: 9 Oct 2018 19:04

Tgt Ion:113 Resp: 856409
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.5 122.3
 192 21.5 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: 5.228 ug/l

RT: 6.38 min Scan# 493

Delta R.T. -0.12 min

Lab File: VD060159.D

Acq: 9 Oct 2018 19:04

Instrument :

MSVOA_D

ClientSampleId :

FL-PIT-3

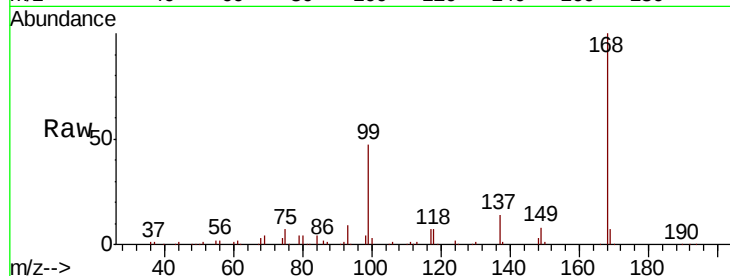
Tot Ion: 75 Resp: 93375

Ion Ratio Lower Upper

75 100

110 6.8 19.0 57.0#

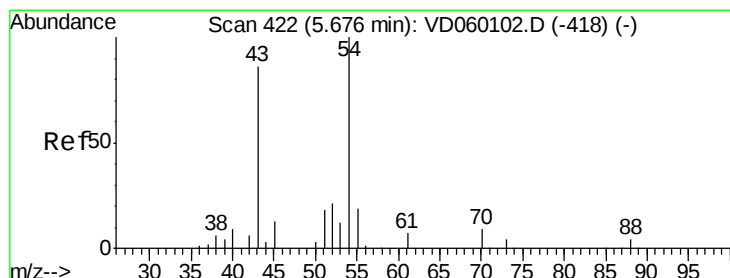
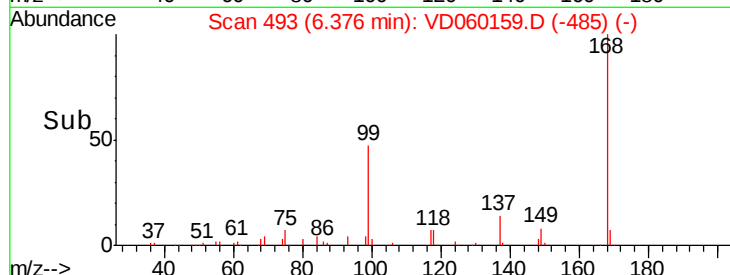
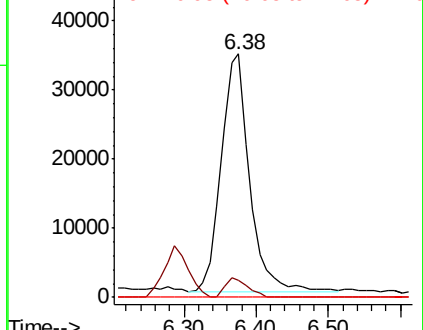
77 0.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 3.823 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.05 min

Lab File: VD060159.D

Acq: 9 Oct 2018 19:04

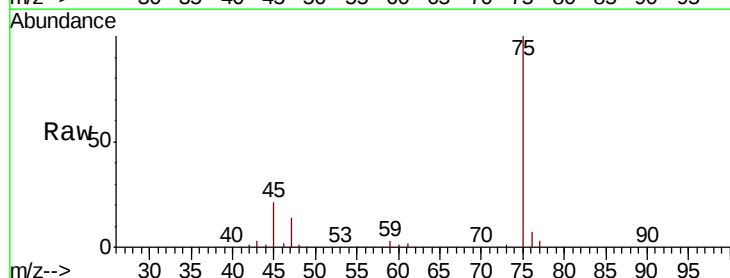
Tgt Ion: 43 Resp: 45321

Ion Ratio Lower Upper

43 100

61 68.4 10.5 15.7#

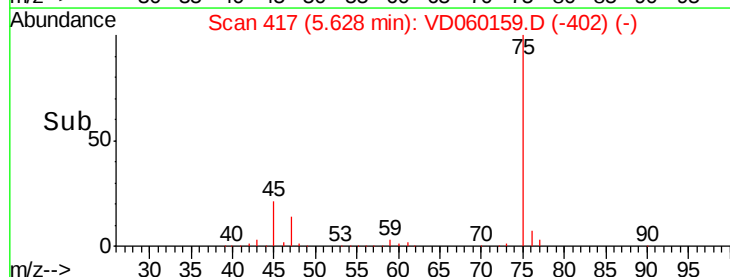
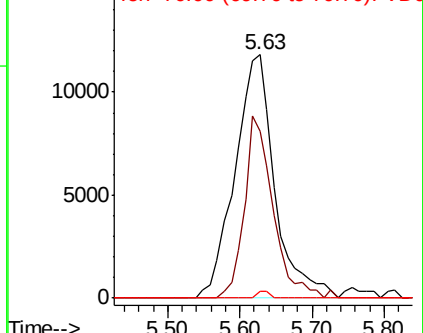
70 2.8 6.3 9.5#

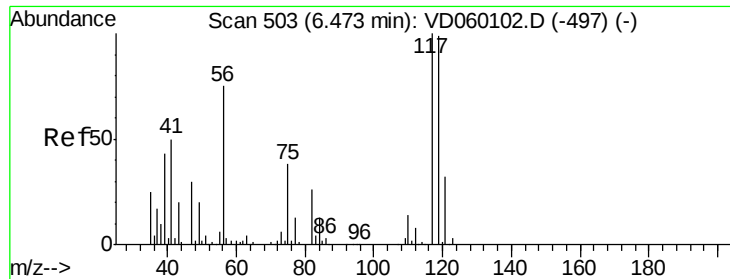


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

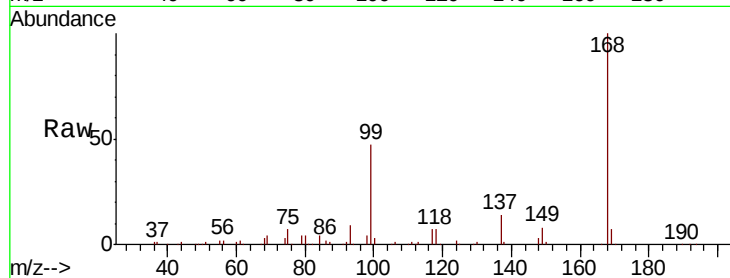




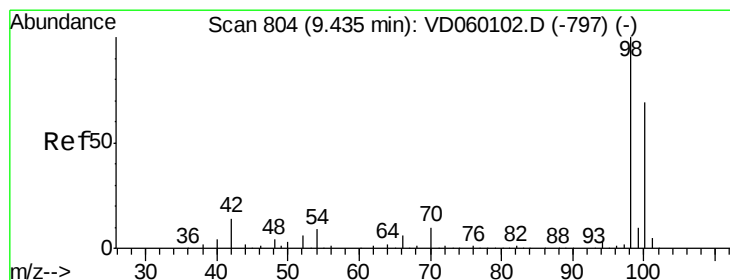
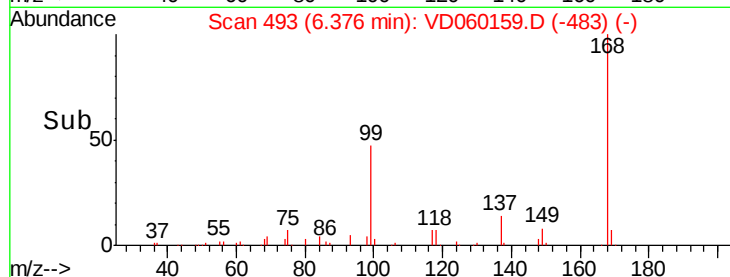
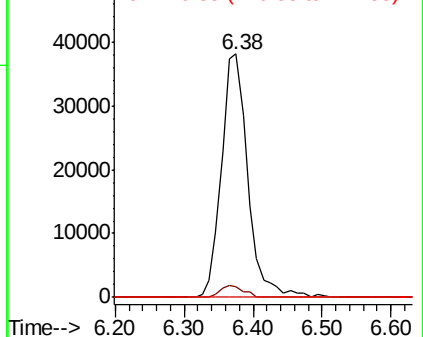
#38
Carbon Tetrachloride
Concen: 6.237 ug/l
RT: 6.38 min Scan# 493
Delta R.T. -0.10 min
Lab File: VD060159.D
Acq: 9 Oct 2018 19:04

Instrument :
MSVOA_D
ClientSampled :
FL-PIT-3

Tot Ion:117 Resp: 101118
Ion Ratio Lower Upper
117 100
119 4.6 77.8 116.6#
121 0.0 24.8 37.2#

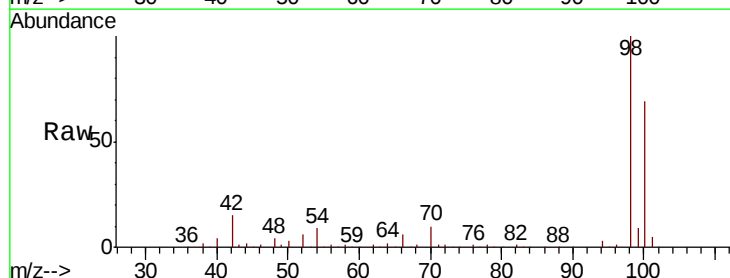


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

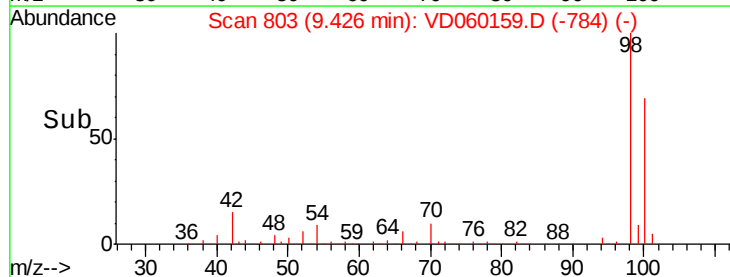
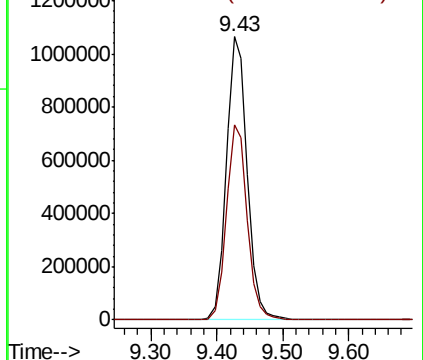


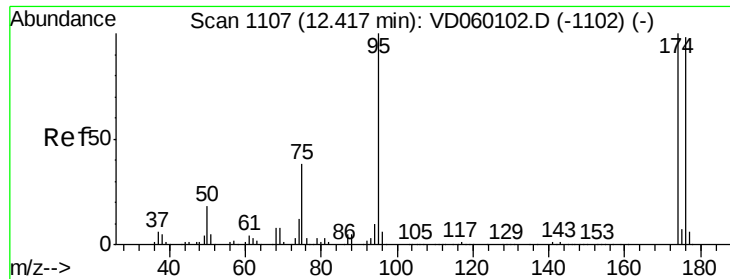
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.43 min Scan# 803
Delta R.T. -0.01 min
Lab File: VD060159.D
Acq: 9 Oct 2018 19:04

Tgt Ion: 98 Resp: 2352445
Ion Ratio Lower Upper
98 100
100 68.8 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: 12.41 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD060159.D

Acq: 9 Oct 2018 19:04

Instrument :

MSVOA_D

ClientSampled :

FL-PIT-3

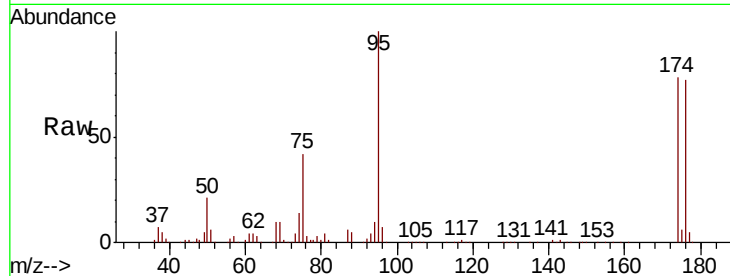
Tot Ion: 95 Resp: 888063

Ion Ratio Lower Upper

95 100

174 78.2 0.0 200.2

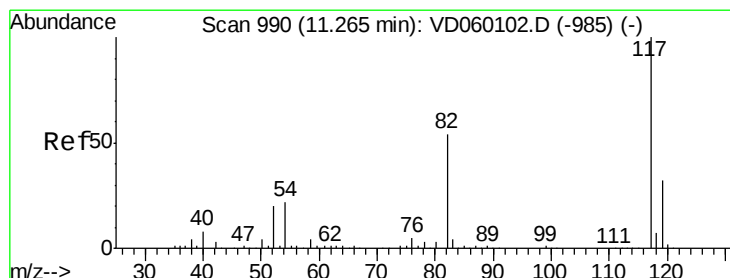
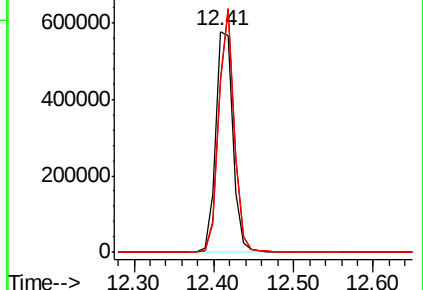
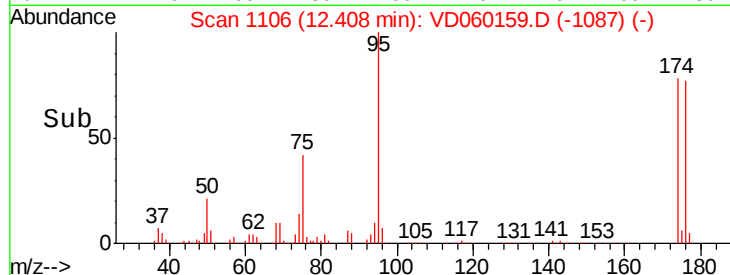
176 77.2 0.0 195.6



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: 11.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VD060159.D

Acq: 9 Oct 2018 19:04

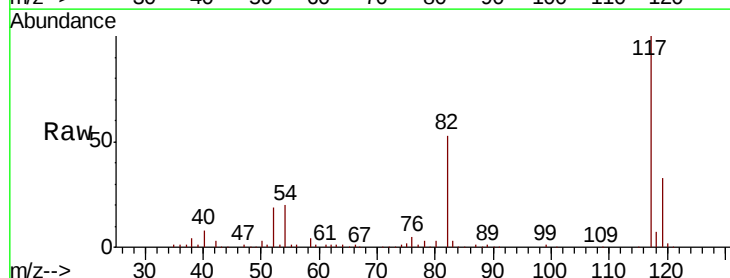
Tgt Ion: 117 Resp: 1514981

Ion Ratio Lower Upper

117 100

82 53.3 43.4 65.2

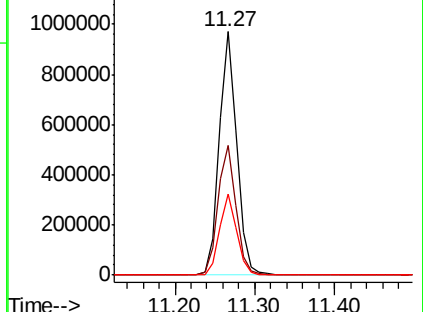
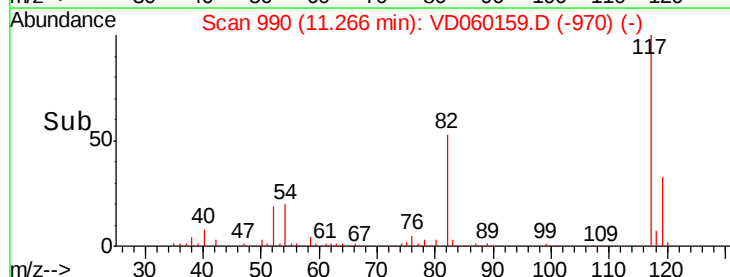
119 33.3 26.0 39.0

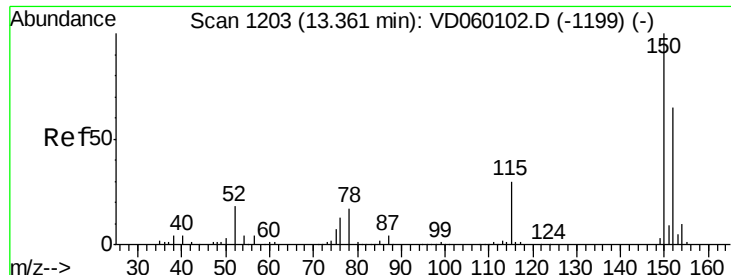


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD060159.D

Acq: 9 Oct 2018 19:04

Instrument :

MSVOA_D

ClientSampleId :

FL-PIT-3

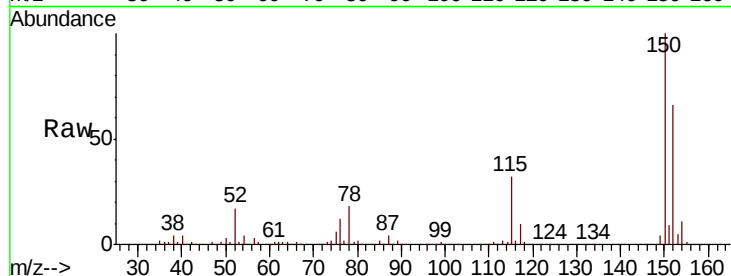
Tot Ion:152 Resp: 808118

Ion Ratio Lower Upper

152 100

115 49.3 27.1 81.2

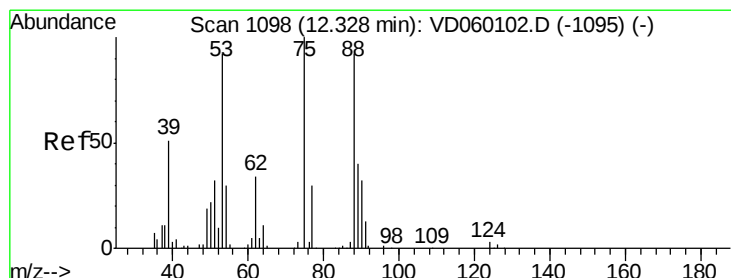
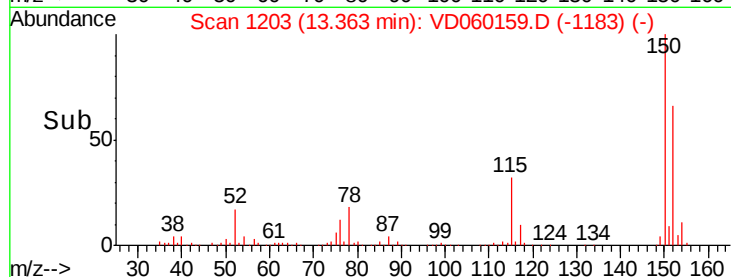
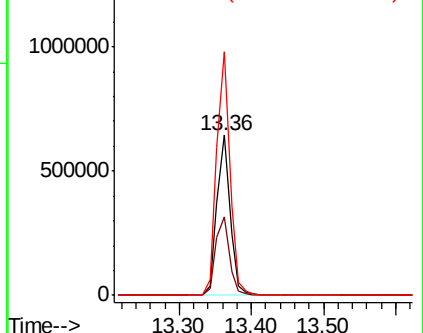
150 152.2 0.0 311.8



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: 110.262 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. 0.08 min

Lab File: VD060159.D

Acq: 9 Oct 2018 19:04

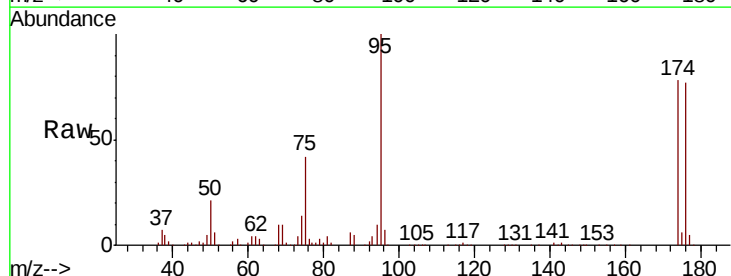
Tgt Ion: 75 Resp: 360567

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

