

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092818\
 Data File : VD060097.D
 Acq On : 28 Sep 2018 15:41
 Operator : VA/AP
 Sample : J5145-02RE
 Misc : 10.11g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-042

Quant Time: Sep 28 23:17:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1472717	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.45	114	2011989	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1508505	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	642148	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	669191	58.27	ug/l	0.02
Spiked Amount			Recovery	=	116.54%	
35) Dibromofluoromethane	6.32	113	848068	53.95	ug/l	0.02
Spiked Amount			Recovery	=	107.90%	
50) Toluene-d8	9.45	98	2311504	53.06	ug/l	0.01
Spiked Amount			Recovery	=	106.12%	
62) 4-Bromofluorobenzene	12.43	95	754010	45.30	ug/l	0.01
Spiked Amount			Recovery	=	90.60%	

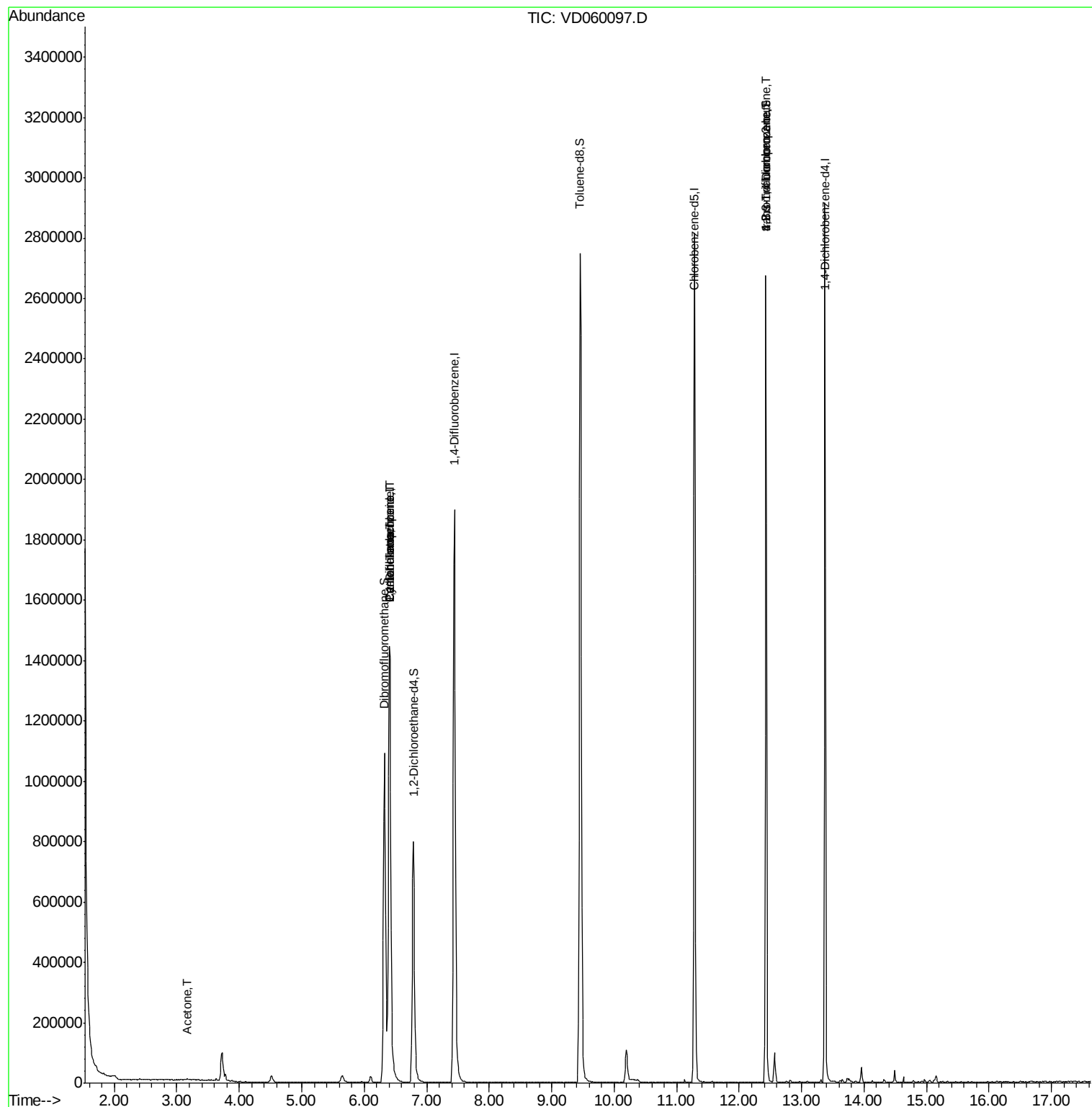
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.17	43	6434	2.902	ug/l #	53
20) Methylene Chloride	3.73	84	61079	Below Cal		96
31) Cyclohexane	6.40	56	25717	1.008	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	101256	5.066	ug/l #	46
38) Carbon Tetrachloride	6.40	117	112504	6.030	ug/l #	16
51) 4-Methyl-2-Pentanone	9.35	43	580	Below Cal	#	42
59) 2-Hexanone	10.49	43	481	Below Cal	#	30
76) 1,2,3-Trichloropropane	12.43	75	296583	30.241	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.43	75	304713	102.926	ug/l #	15
89) n-Butylbenzene	13.65	91	1284	Below Cal		87
91) 1,2-Dichlorobenzene	13.66	146	1101	Below Cal		88

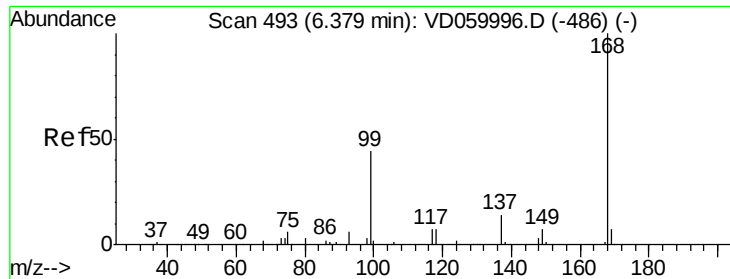
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092818\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. 0.03 min

Lab File: VD060097.D

Acq: 28 Sep 2018 15:41

Instrument :

MSVOA_D

ClientSampleId :

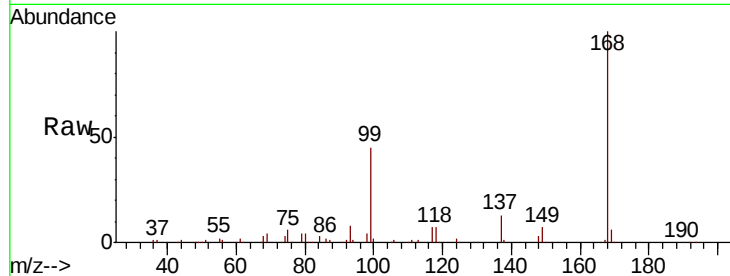
FK-PS-01-042

Tot Ion:168 Resp: 1472717

Ion Ratio Lower Upper

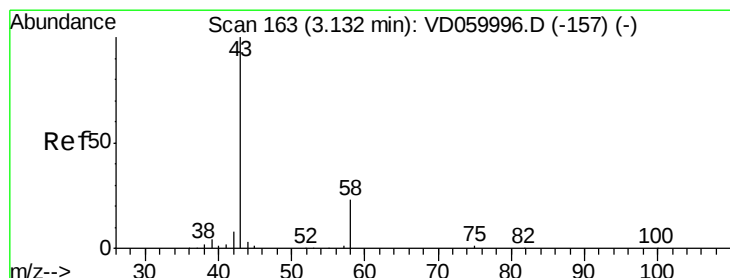
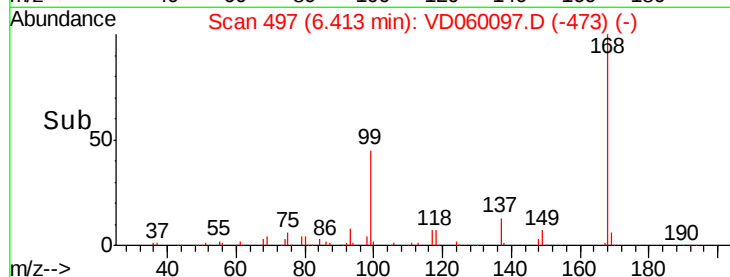
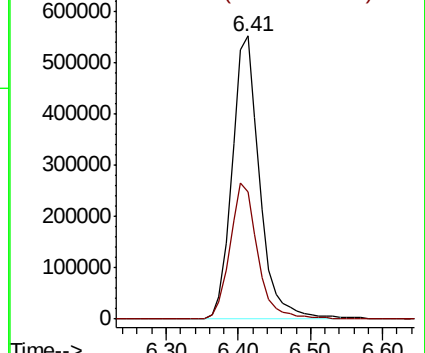
168 100

99 45.2 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 2.902 ug/l

RT: 3.17 min Scan# 167

Delta R.T. 0.03 min

Lab File: VD060097.D

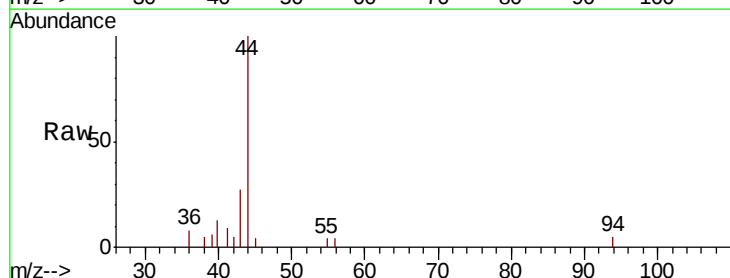
Acq: 28 Sep 2018 15:41

Tgt Ion: 43 Resp: 6434

Ion Ratio Lower Upper

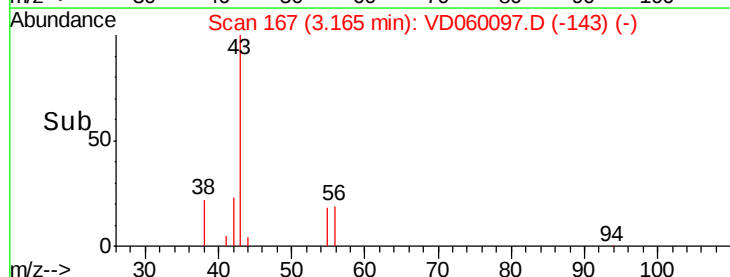
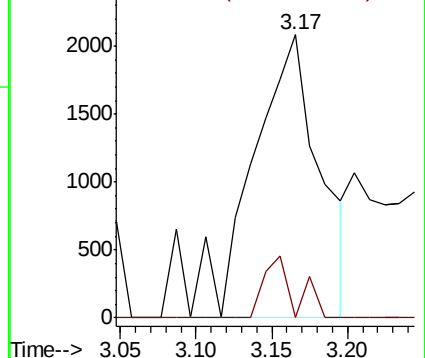
43 100

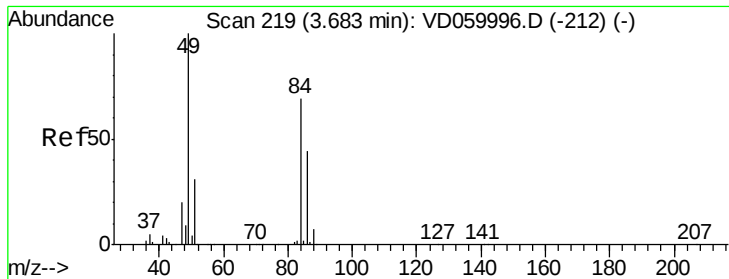
58 0.0 18.1 27.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

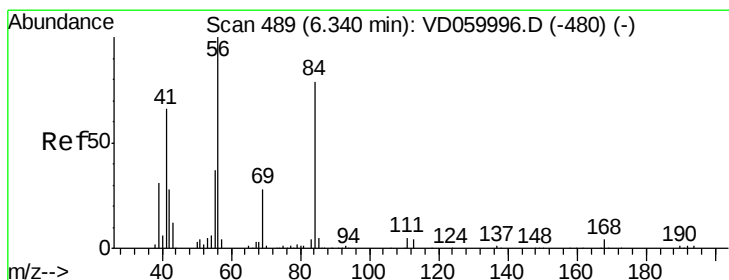
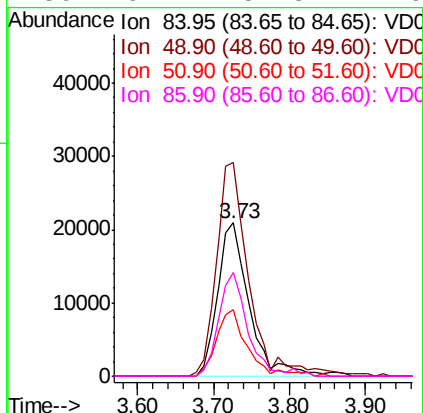
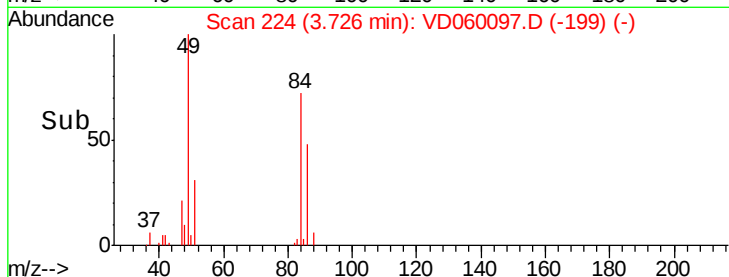
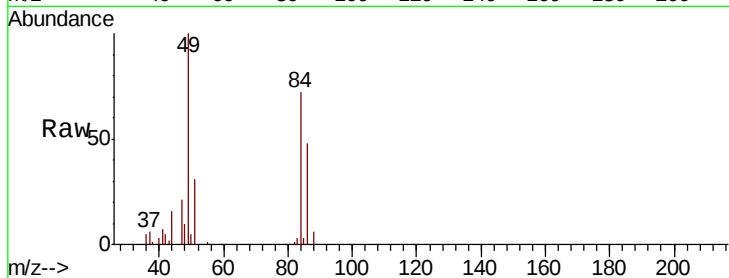




#20
Methylene Chloride
Concen: Below Cal
RT: 3.73 min Scan# 224
Delta R.T. 0.04 min
Lab File: VD060097.D
Acq: 28 Sep 2018 15:41

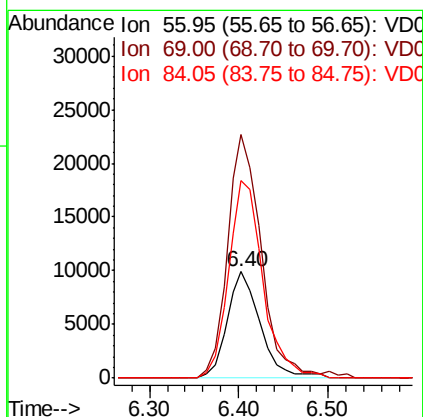
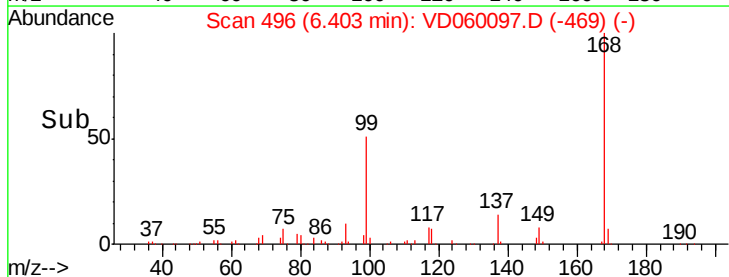
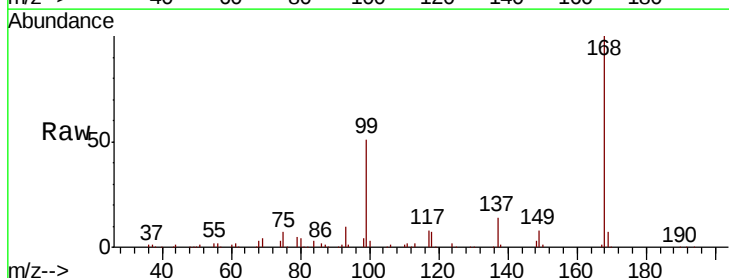
Instrument :
MSVOA_D
ClientSampleId :
FK-PS-01-042

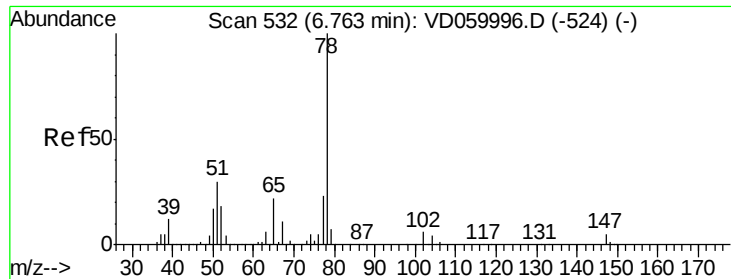
Tot Ion: 84 Resp: 61079
Ion Ratio Lower Upper
84 100
49 139.3 116.6 175.0
51 43.5 35.9 53.9
86 67.4 51.8 77.6



#31
Cyclohexane
Concen: 1.008 ug/l
RT: 6.40 min Scan# 496
Delta R.T. 0.06 min
Lab File: VD060097.D
Acq: 28 Sep 2018 15:41

Tgt Ion: 56 Resp: 25717
Ion Ratio Lower Upper
56 100
69 229.4 22.7 34.1#
84 185.5 64.0 96.0#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.79 min Scan# 535

Delta R.T. 0.02 min

Lab File: VD060097.D

Acq: 28 Sep 2018 15:41

Instrument :

MSVOA_D

ClientSampleId :

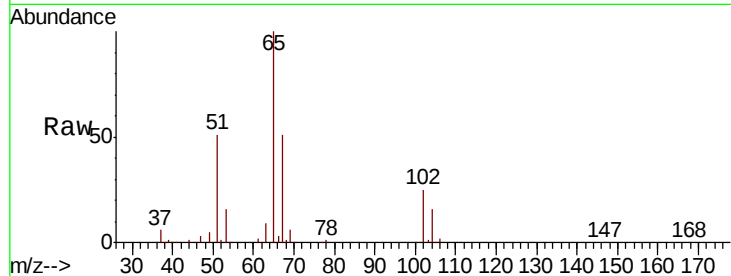
FK-PS-01-042

Tot Ion: 65 Resp: 669191

Ion Ratio Lower Upper

65 100

67 50.9 0.0 104.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.79

250000

200000

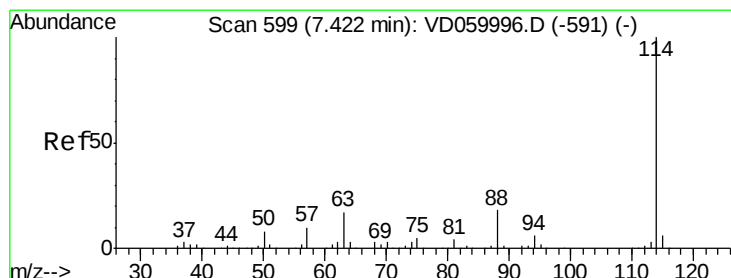
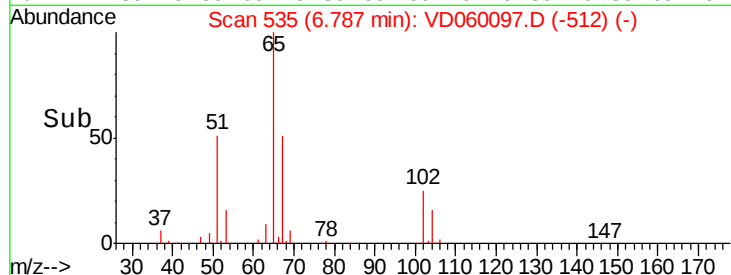
150000

100000

50000

0

Time--> 6.60 6.70 6.80 6.90 7.00



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. 0.02 min

Lab File: VD060097.D

Acq: 28 Sep 2018 15:41

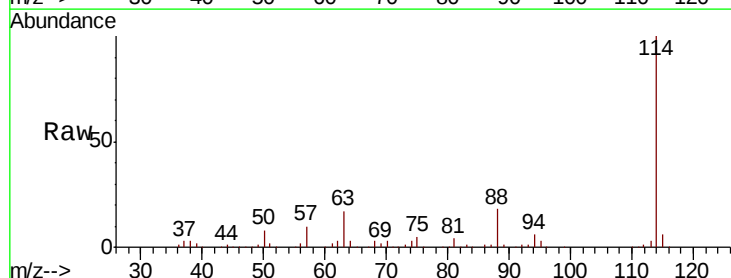
Tgt Ion: 114 Resp: 2011989

Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.4

88 18.0 0.0 35.8



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

7.45

1000000

800000

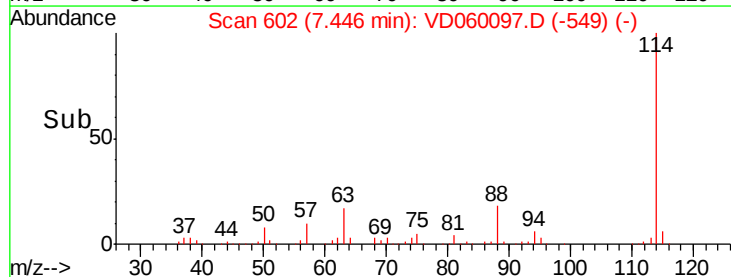
600000

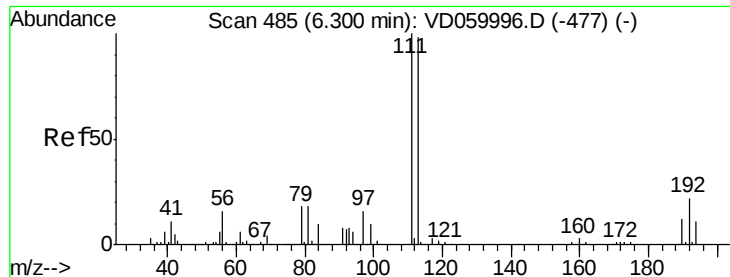
400000

200000

0

Time--> 7.40 7.60





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 488

Delta R.T. 0.02 min

Lab File: VD060097.D

Acq: 28 Sep 2018 15:41

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-042

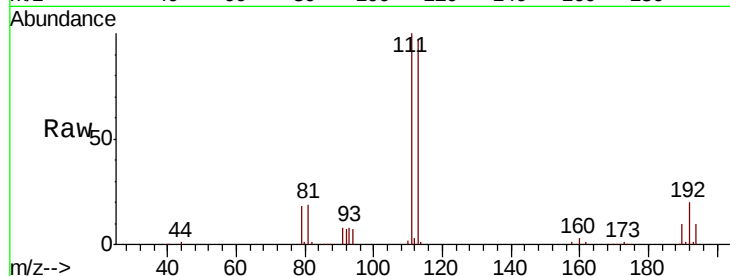
Tot Ion:113 Resp: 848068

Ion Ratio Lower Upper

113 100

111 103.3 81.3 121.9

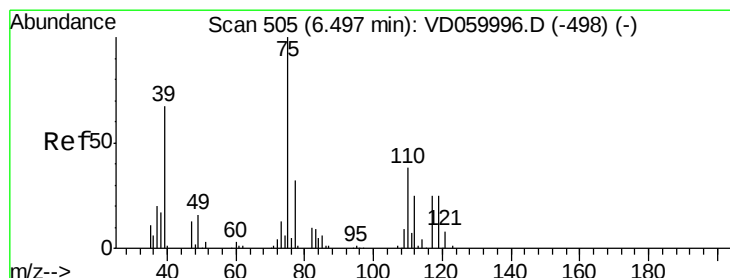
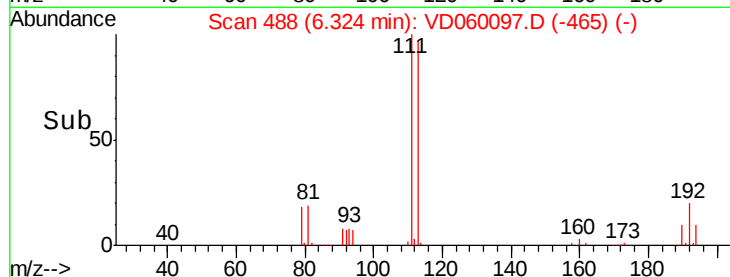
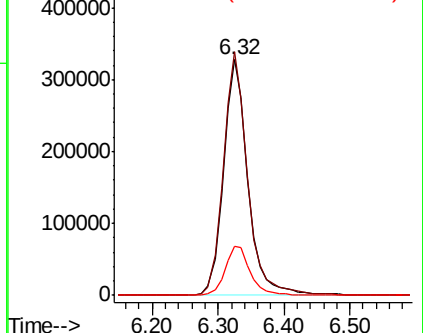
192 20.6 18.1 27.1



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: 5.066 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.09 min

Lab File: VD060097.D

Acq: 28 Sep 2018 15:41

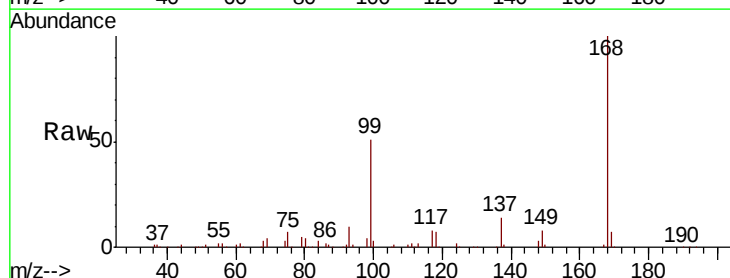
Tgt Ion: 75 Resp: 101256

Ion Ratio Lower Upper

75 100

110 7.0 18.9 56.9#

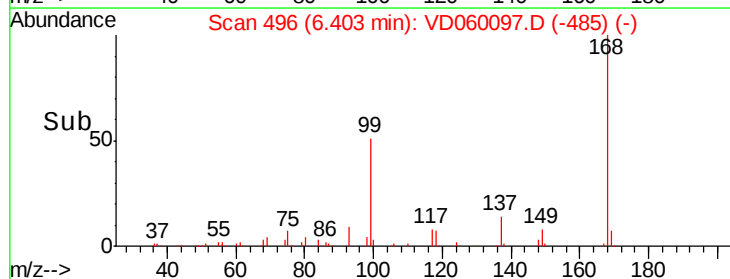
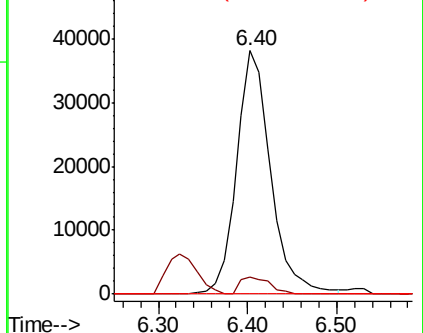
77 0.0 25.3 37.9#

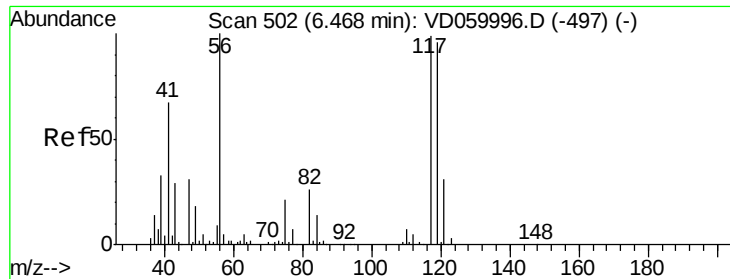


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

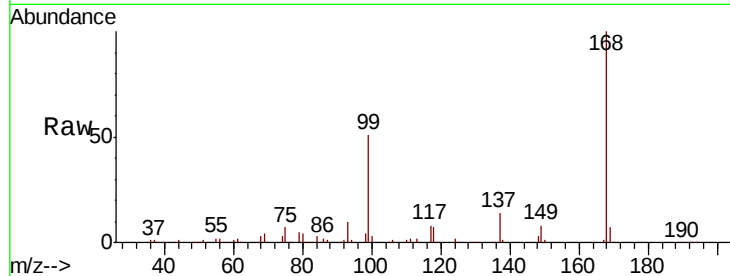




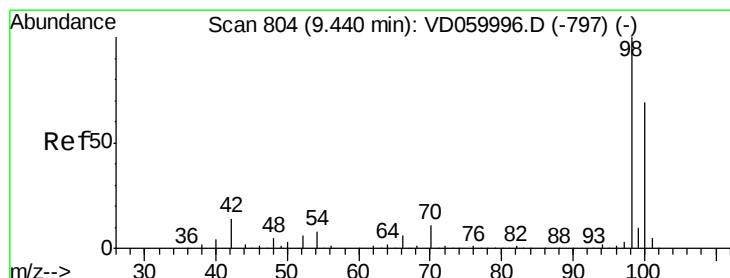
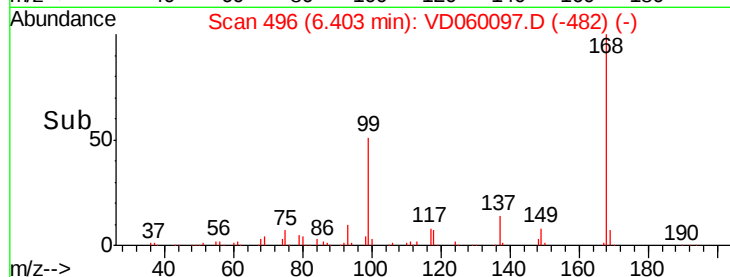
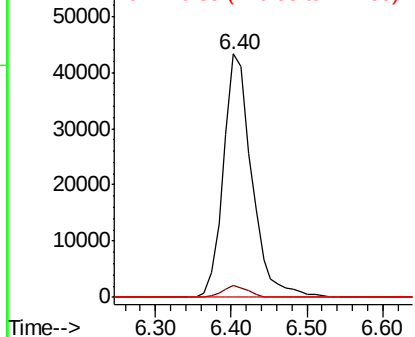
#38
Carbon Tetrachloride
Concen: 6.030 ug/l
RT: 6.40 min Scan# 496
Delta R.T. -0.06 min
Lab File: VD060097.D
Acq: 28 Sep 2018 15:41

Instrument :
MSVOA_D
ClientSampleId :
FK-PS-01-042

Tot Ion:117 Resp: 112504
Ion Ratio Lower Upper
117 100
119 4.8 76.7 115.1#
121 0.0 24.9 37.3#

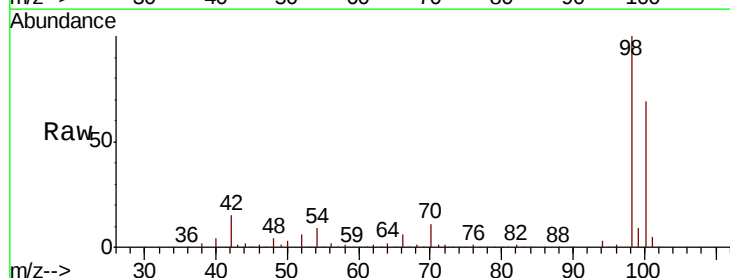


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

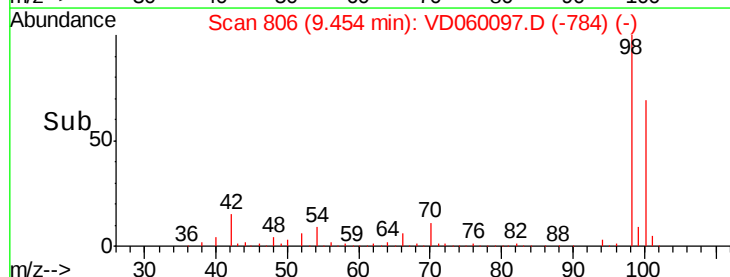
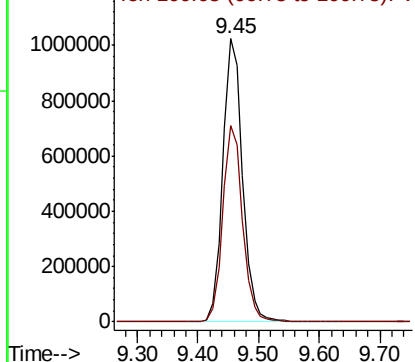


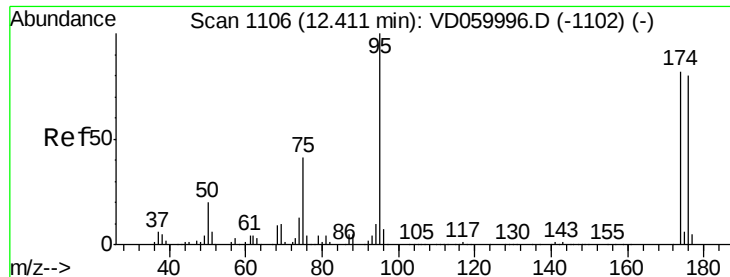
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 806
Delta R.T. 0.01 min
Lab File: VD060097.D
Acq: 28 Sep 2018 15:41

Tgt Ion: 98 Resp: 2311504
Ion Ratio Lower Upper
98 100
100 69.2 55.8 83.6



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: VD060097.D

Acq: 28 Sep 2018 15:41

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-042

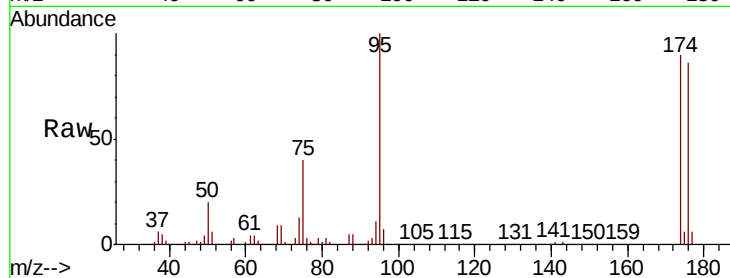
Tot Ion: 95 Resp: 754010

Ion Ratio Lower Upper

95 100

174 90.0 0.0 165.0

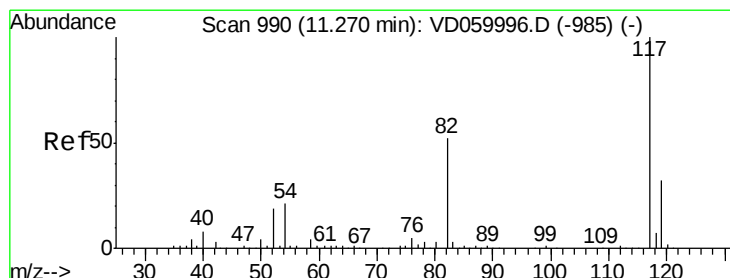
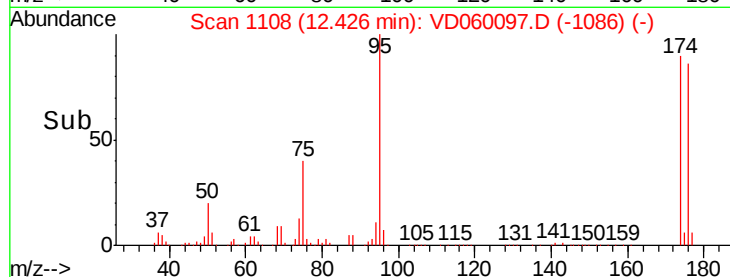
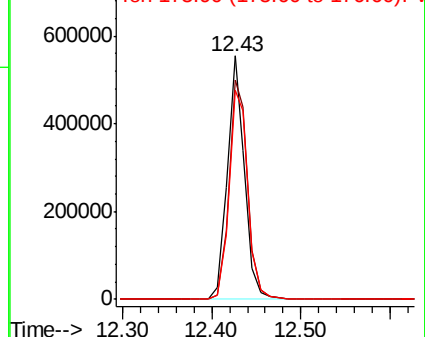
176 85.9 0.0 160.2



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: 11.28 min Scan# 992

Delta R.T. 0.01 min

Lab File: VD060097.D

Acq: 28 Sep 2018 15:41

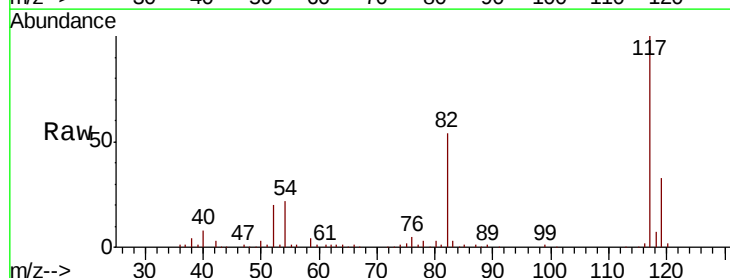
Tgt Ion: 117 Resp: 1508505

Ion Ratio Lower Upper

117 100

82 54.1 41.7 62.5

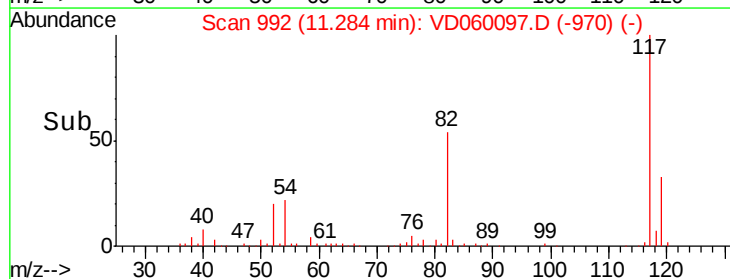
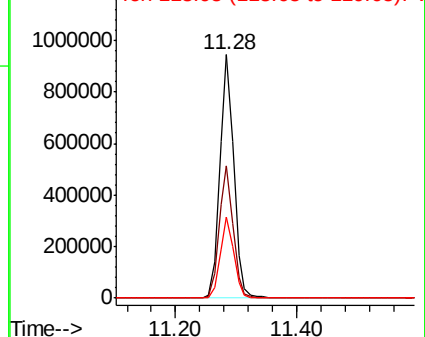
119 33.1 26.0 39.0

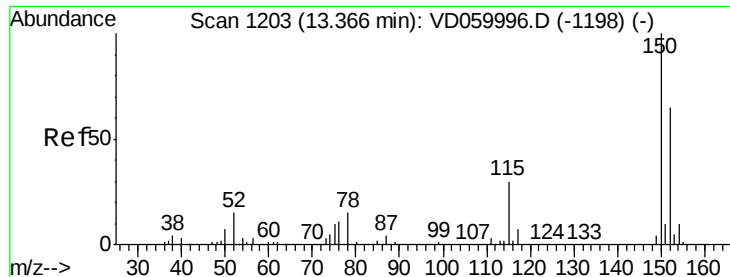


Abundance Ion 116.95 (116.65 to 117.65): V

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. 0.00 min

Lab File: VD060097.D

Acq: 28 Sep 2018 15:41

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-042

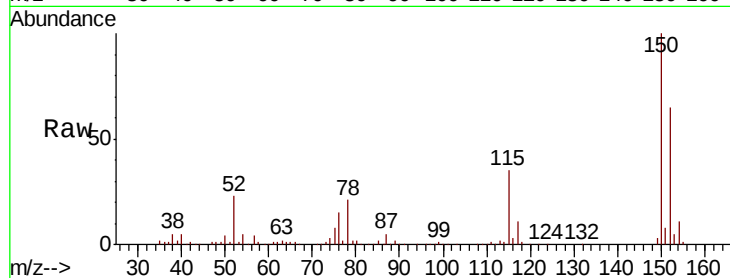
Tot Ion:152 Resp: 642148

Ion Ratio Lower Upper

152 100

115 54.1 24.6 73.8

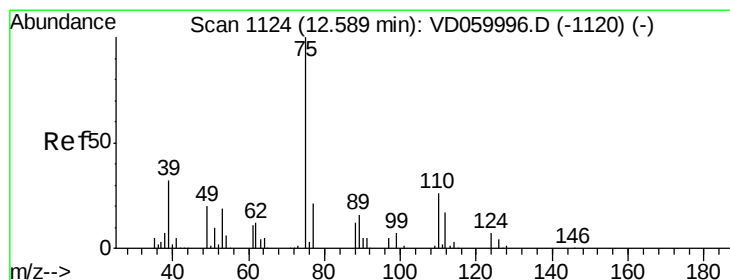
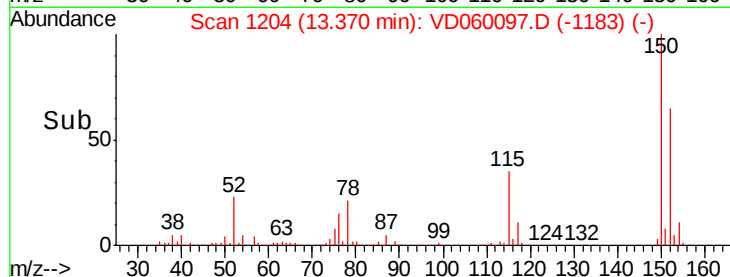
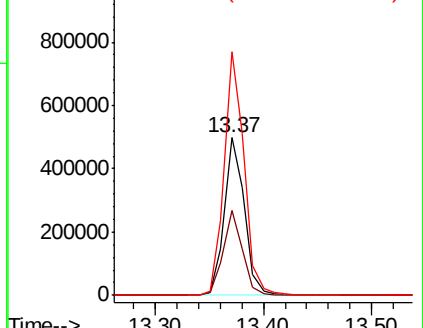
150 154.5 0.0 313.4



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: 30.241 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.16 min

Lab File: VD060097.D

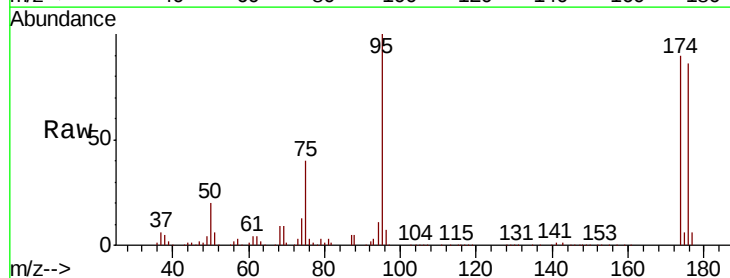
Acq: 28 Sep 2018 15:41

Tgt Ion: 75 Resp: 296583

Ion Ratio Lower Upper

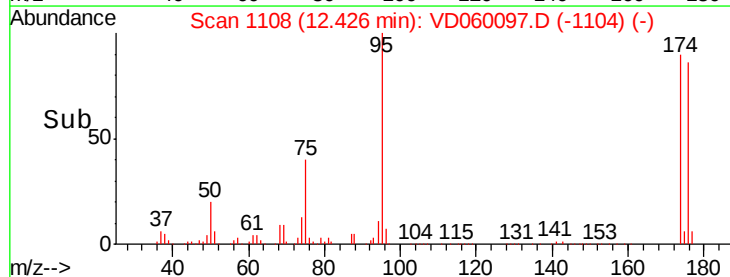
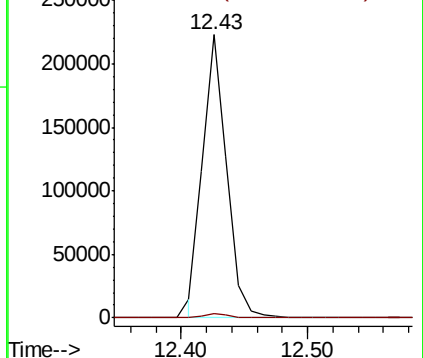
75 100

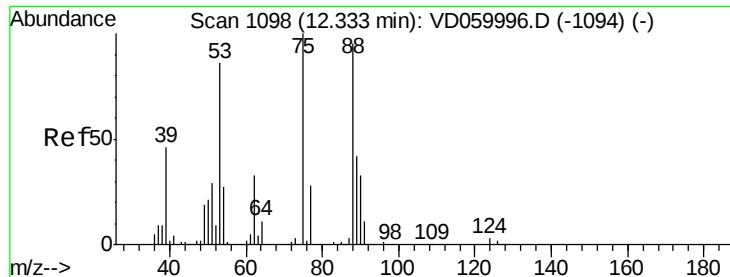
77 1.7 16.4 49.4#



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: 102.926 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.09 min

Lab File: VD060097.D

Acq: 28 Sep 2018 15:41

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-042

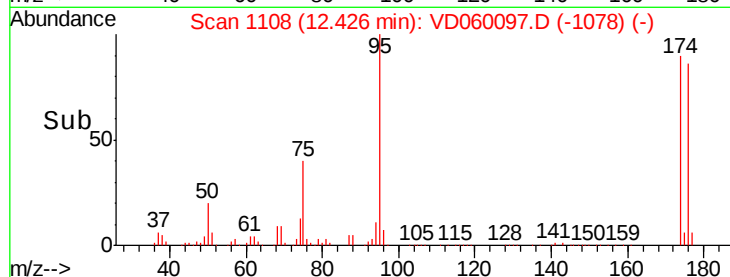
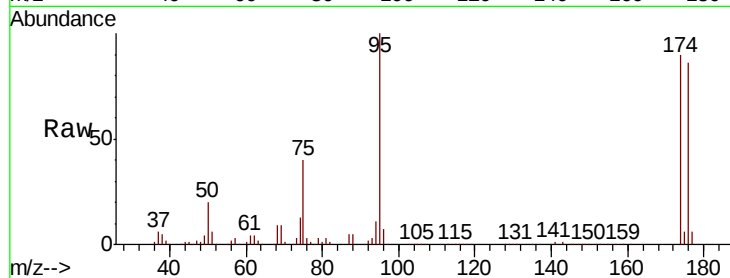
Tot Ion: 75 Resp: 304713

Ion Ratio Lower Upper

75 100

53 0.0 68.4 102.6#

89 0.0 33.8 50.6#



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

