

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
 Data File : VD060923.D
 Acq On : 4 Mar 2019 15:04
 Operator : VA/AP
 Sample : K1638-04
 Misc : 5.04g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PE-4(NORTH-SITE-WALL)

Quant Time: Mar 05 01:32:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 01:28:28 2019
 Response via : Initial Calibration

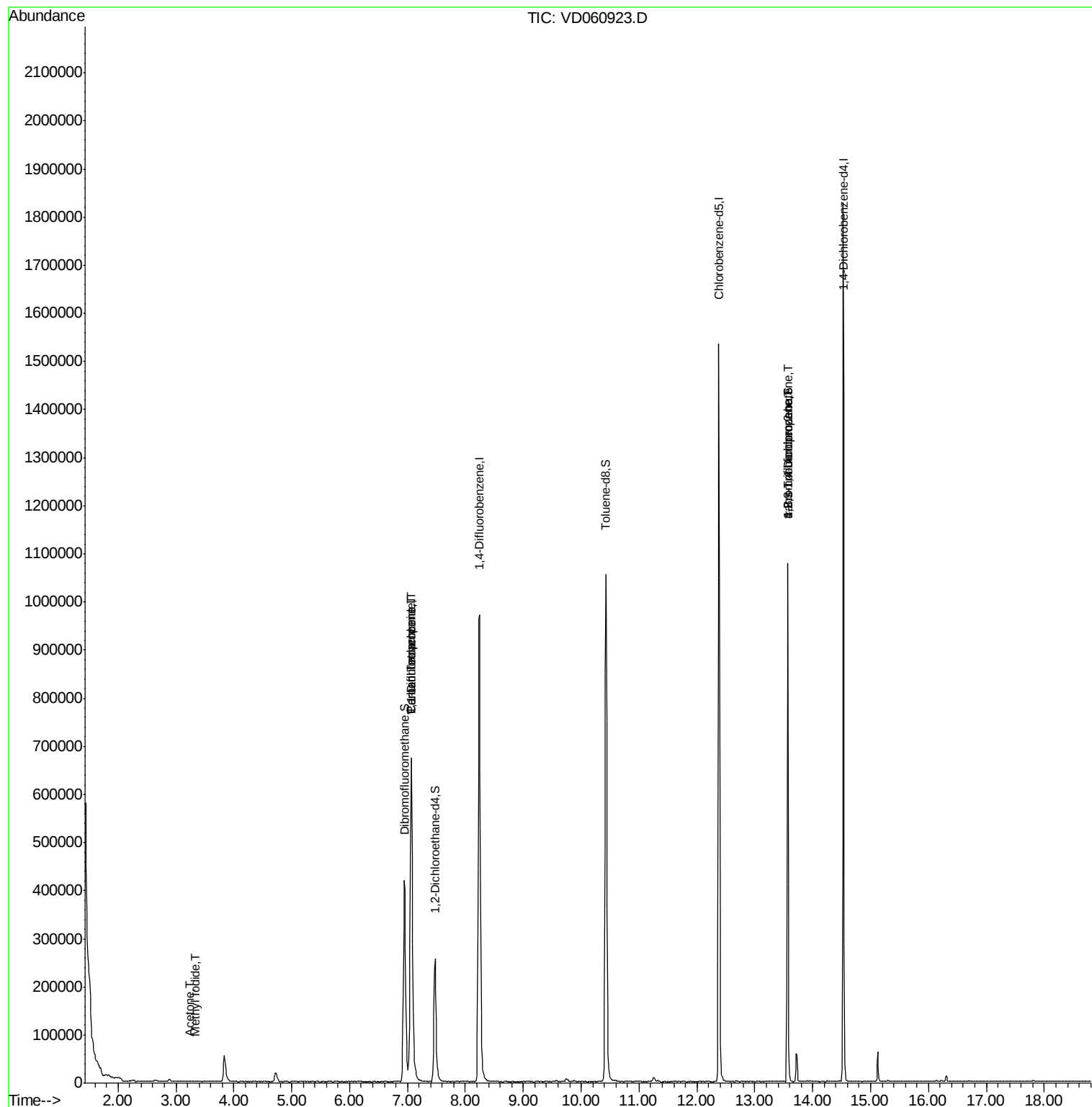
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	718263	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	1259064	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	976089	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	434509	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.48	65	238401	40.15	ug/l	0.03
Spiked Amount 50.000			Recovery	=	80.30%	
35) Dibromofluoromethane	6.94	113	407332	40.35	ug/l	0.03
Spiked Amount 50.000			Recovery	=	80.70%	
50) Toluene-d8	10.43	98	908060	36.15	ug/l	0.03
Spiked Amount 50.000			Recovery	=	72.30%	
62) 4-Bromofluorobenzene	13.57	95	348725	36.74	ug/l	0.02
Spiked Amount 50.000			Recovery	=	73.48%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	3.34	142	2057	4.876	ug/l #	91
16) Acetone	3.24	43	2592	1.307	ug/l #	46
36) 1,1-Dichloropropene	7.06	75	51652	4.462	ug/l #	45
38) Carbon Tetrachloride	7.06	117	67598	5.435	ug/l #	15
76) 1,2,3-Trichloropropane	13.57	75	110303	15.667	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.57	75	122205	58.652	ug/l #	20
89) n-Butylbenzene	14.81	91	858	Below Cal	#	77

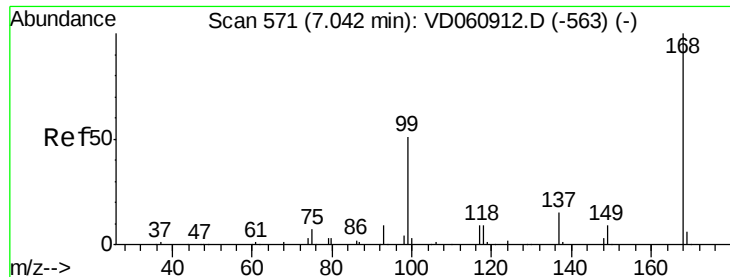
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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PE-4(NORTH-SITE-WALL)

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Quant Title : SW846 8260
QLast Update : Sat Mar 02 01:28:28 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD060923.D

Acq: 4 Mar 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

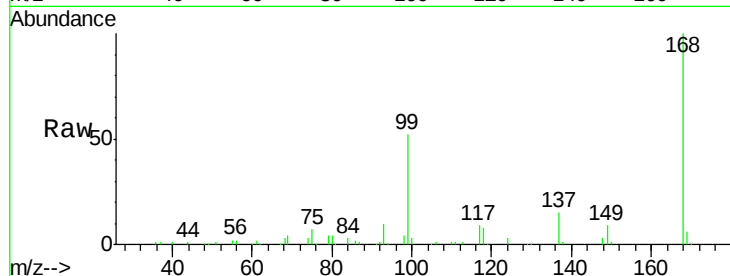
PE-4(NORTH-SITE-WALL)

Tot Ion:168 Resp: 718263

Ion Ratio Lower Upper

168 100

99 51.7 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

250000

200000

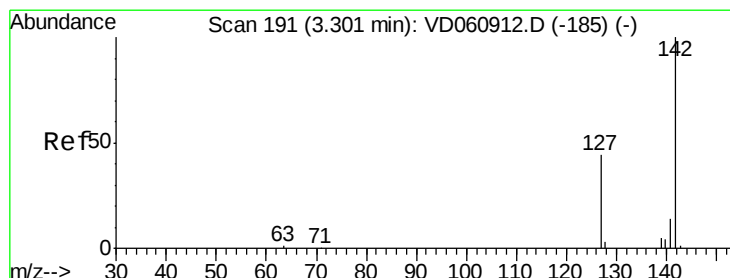
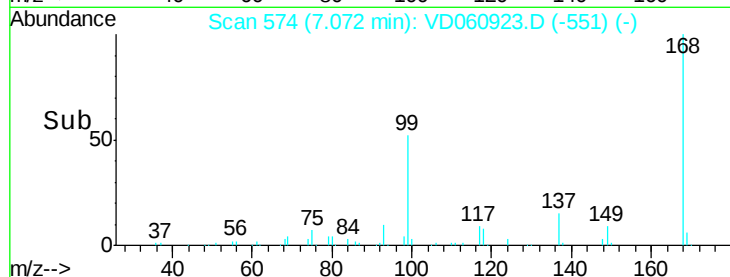
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 4.876 ug/l

RT: 3.34 min Scan# 195

Delta R.T. 0.04 min

Lab File: VD060923.D

Acq: 4 Mar 2019 15:04

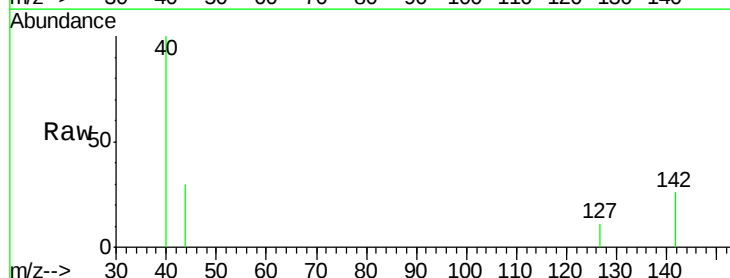
Tgt Ion:142 Resp: 2057

Ion Ratio Lower Upper

142 100

127 43.2 35.0 52.6

141 0.0 11.0 16.4#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.34

1000

800

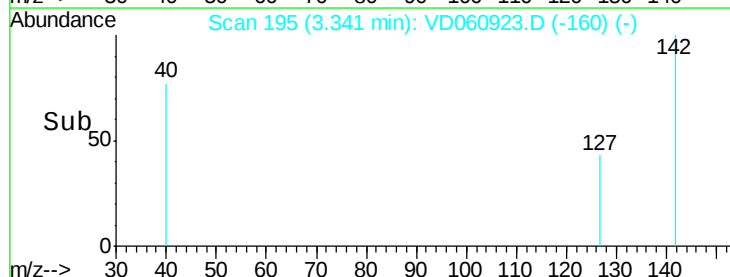
600

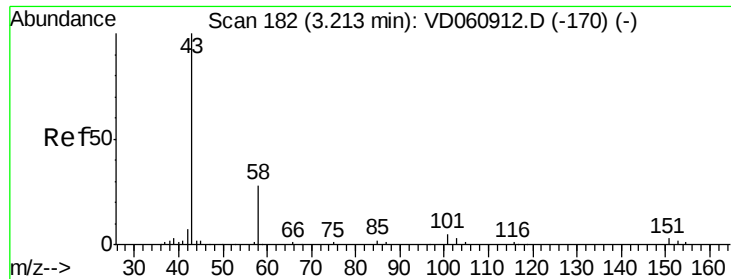
400

200

0

Time--> 3.30 3.35 3.40





#16

Acetone

Concen: 1.307 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.03 min

Lab File: VD060923.D

Acq: 4 Mar 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

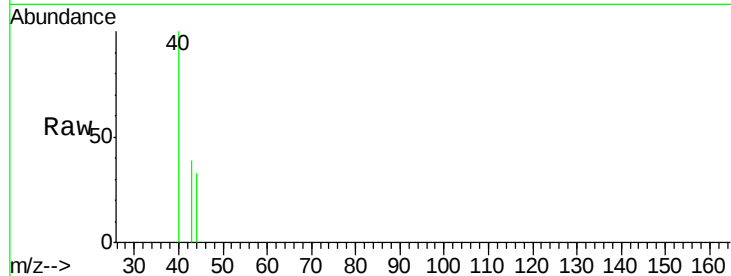
PE-4(NORTH-SITE-WALL)

Tot Ion: 43 Resp: 2592

Ion Ratio Lower Upper

43 100

58 0.0 22.8 34.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.24

1200

1000

800

600

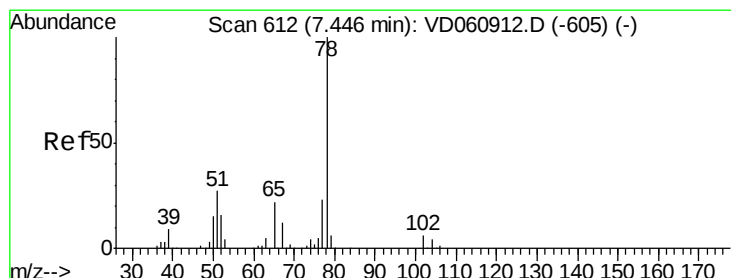
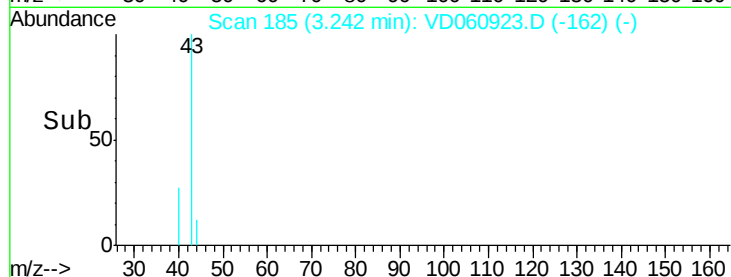
400

200

0

Time-->

3.20 3.25 3.30



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.03 min

Lab File: VD060923.D

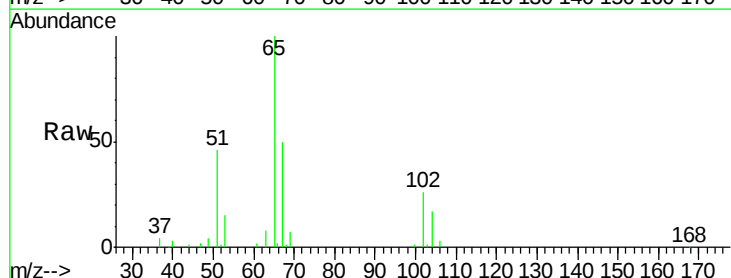
Acq: 4 Mar 2019 15:04

Tgt Ion: 65 Resp: 238401

Ion Ratio Lower Upper

65 100

67 49.9 0.0 109.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.48

100000

80000

60000

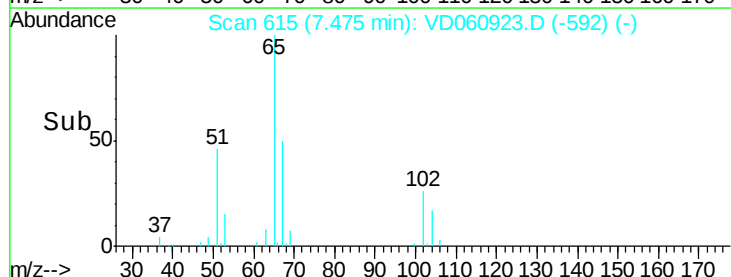
40000

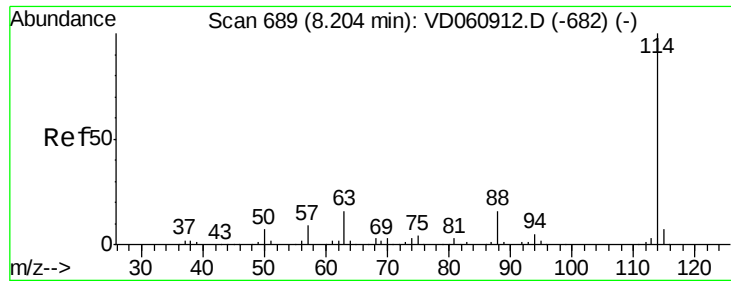
20000

0

Time-->

7.30 7.40 7.50 7.60 7.70





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 693

Delta R.T. 0.04 min

Lab File: VD060923.D

Acq: 4 Mar 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

PE-4(NORTH-SITE-WALL)

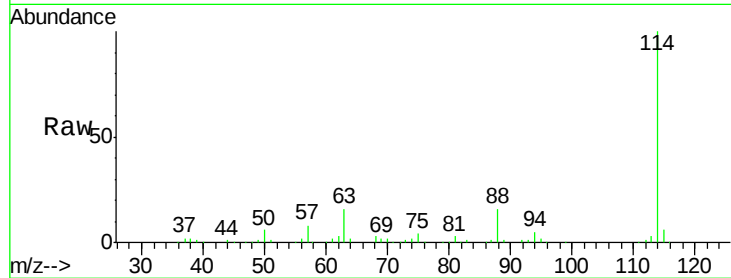
Tot Ion:114 Resp: 1259064

Ion Ratio Lower Upper

114 100

63 15.6 0.0 32.0

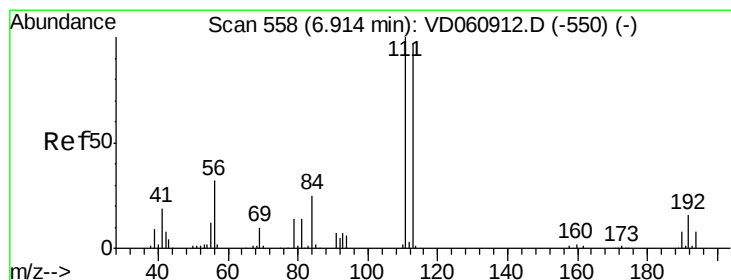
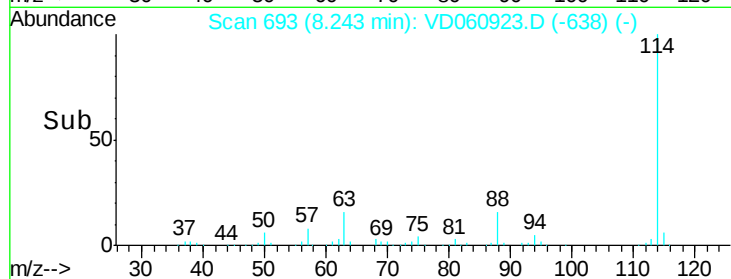
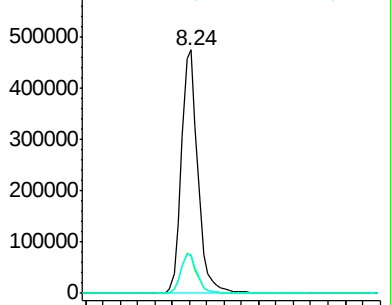
88 16.0 0.0 32.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.03 min

Lab File: VD060923.D

Acq: 4 Mar 2019 15:04

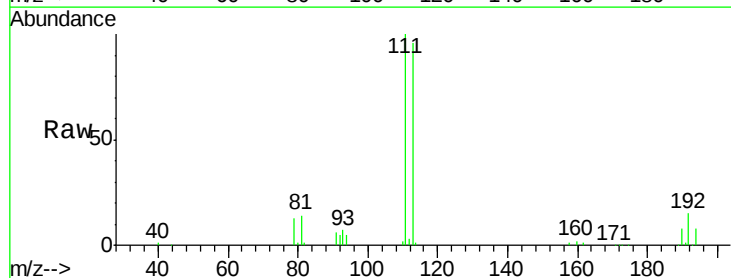
Tgt Ion:113 Resp: 407332

Ion Ratio Lower Upper

113 100

111 104.7 82.6 124.0

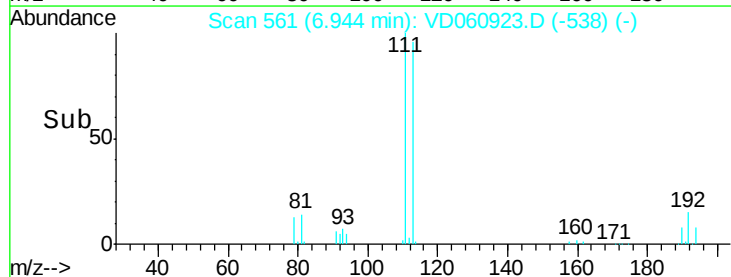
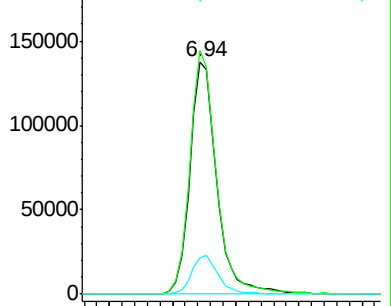
192 15.6 13.4 20.2

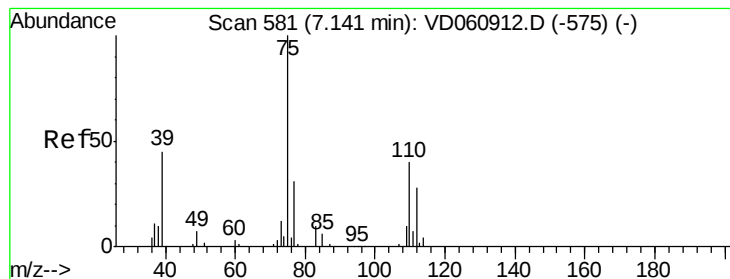


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 4.462 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.08 min

Lab File: VD060923.D

Acq: 4 Mar 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

PE-4(NORTH-SITE-WALL)

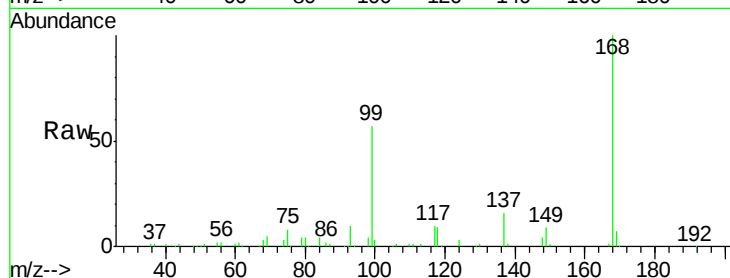
Tot Ion: 75 Resp: 51652

Ion Ratio Lower Upper

75 100

110 7.0 19.9 59.7#

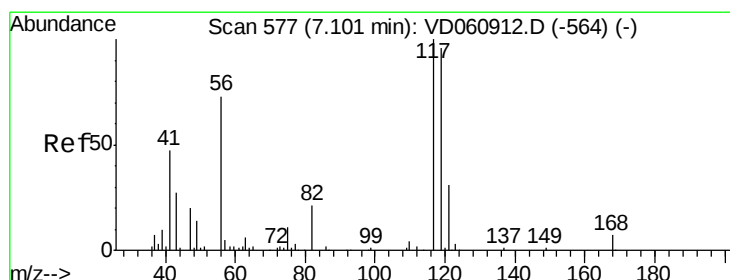
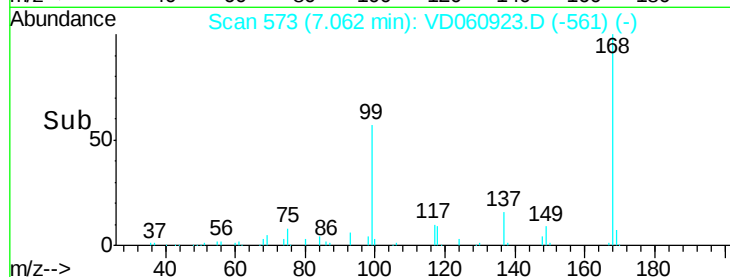
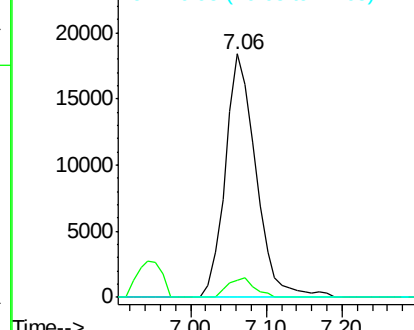
77 0.0 25.0 37.6#



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: 5.435 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.04 min

Lab File: VD060923.D

Acq: 4 Mar 2019 15:04

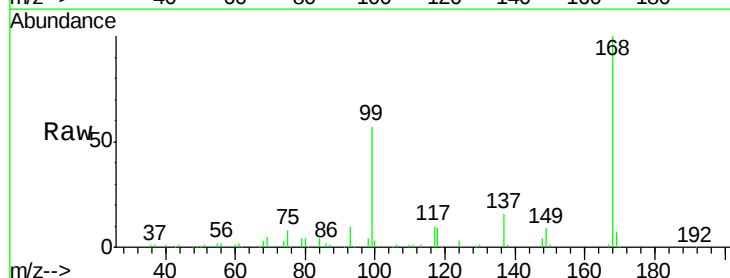
Tgt Ion: 117 Resp: 67598

Ion Ratio Lower Upper

117 100

119 3.7 76.9 115.3#

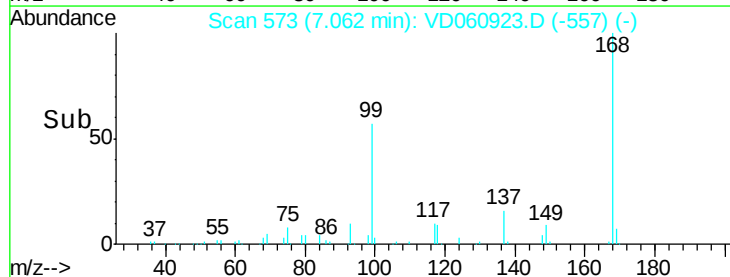
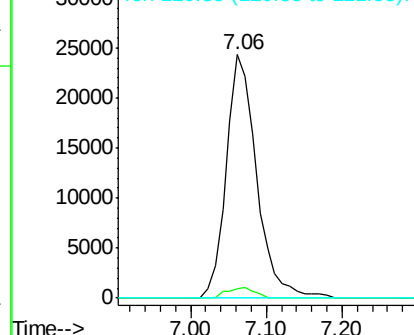
121 0.0 24.5 36.7#

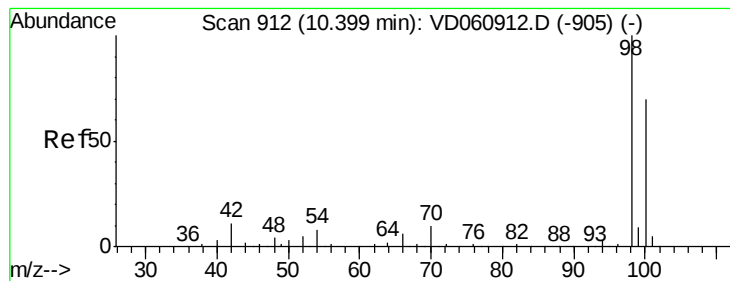


Abundance Ion 116.85 (116.55 to 117.55): V

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: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD060923.D

Acq: 4 Mar 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

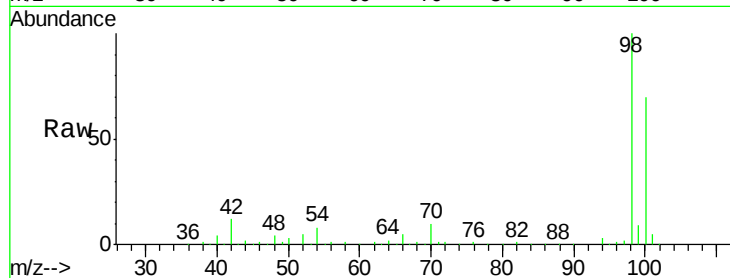
PE-4(NORTH-SITE-WALL)

Tot Ion: 98 Resp: 908060

Ion Ratio Lower Upper

98 100

100 69.8 57.0 85.4



Abundance Ion 98.05 (97.75 to 98.75): VD060912.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD060912.D (-905) (-)

10.43

400000

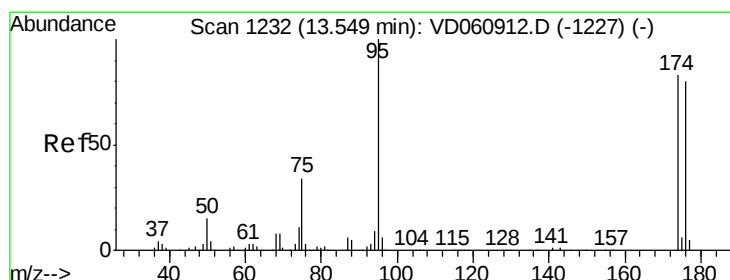
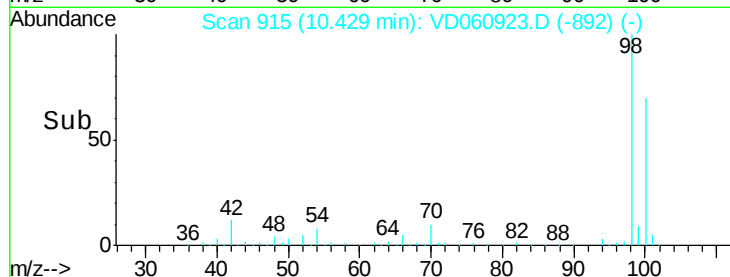
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD060923.D

Acq: 4 Mar 2019 15:04

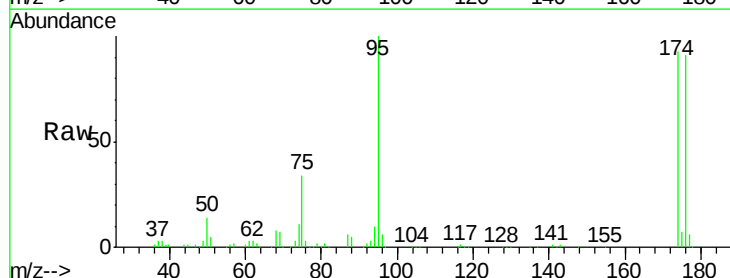
Tgt Ion: 95 Resp: 348725

Ion Ratio Lower Upper

95 100

174 93.0 0.0 165.6

176 90.9 0.0 160.6



Abundance Ion 95.00 (94.70 to 95.70): VD060912.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD060912.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD060912.D (-1227) (-)

300000

250000

200000

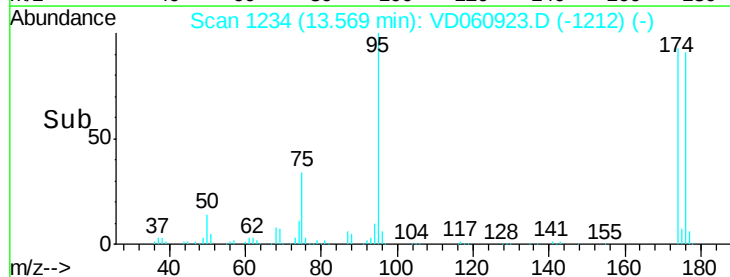
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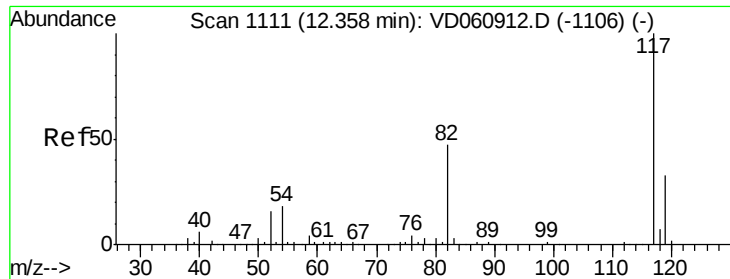
100000

50000

0

Time-->

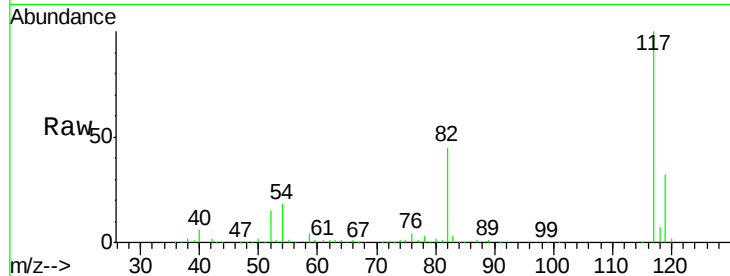




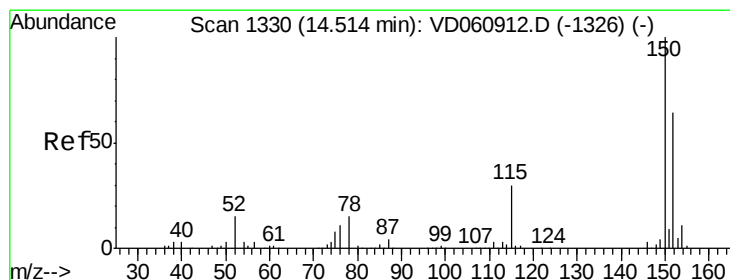
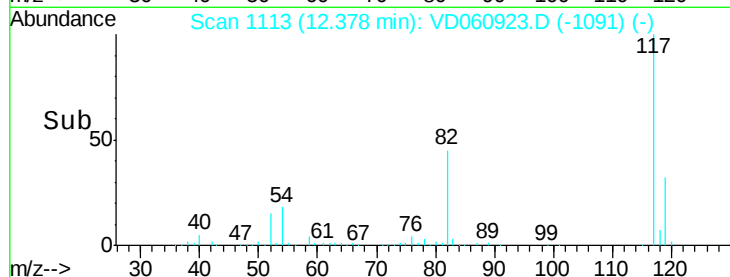
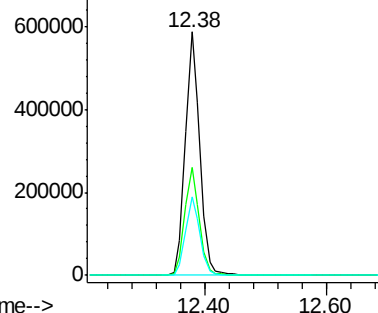
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD060923.D
Acq: 4 Mar 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :
PE-4(NORTH-SITE-WALL)

Tot Ion:117 Resp: 976089
Ion Ratio Lower Upper
117 100
82 44.5 37.5 56.3
119 32.3 26.2 39.2

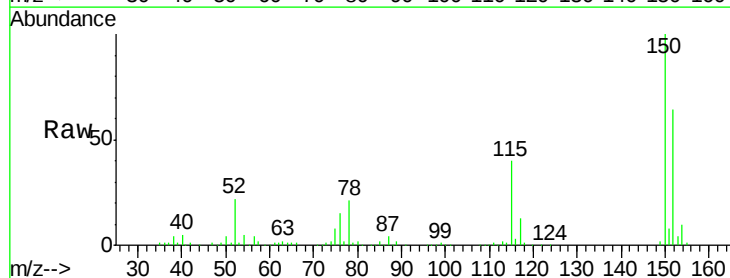


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

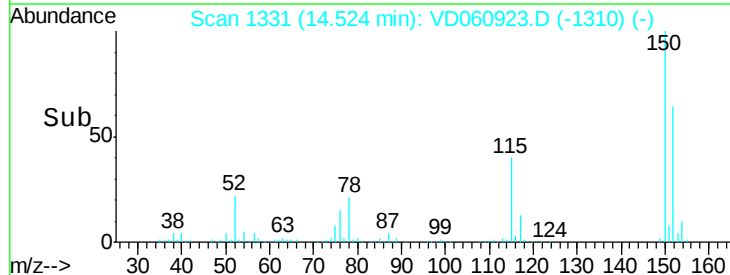
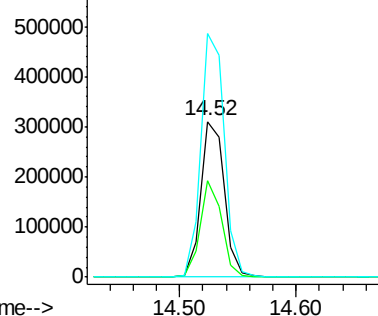


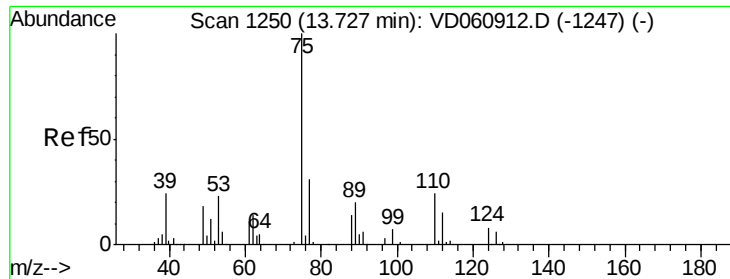
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD060923.D
Acq: 4 Mar 2019 15:04

Tgt Ion:152 Resp: 434509
Ion Ratio Lower Upper
152 100
115 62.2 27.6 82.8
150 156.5 0.0 312.8



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

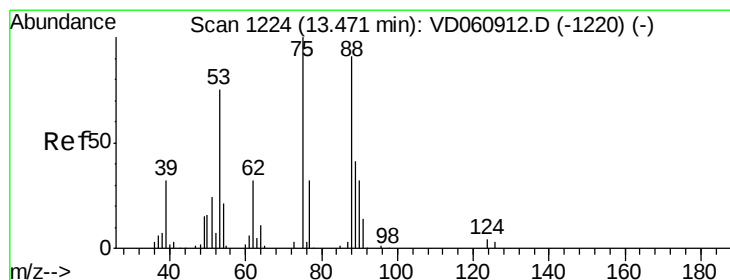
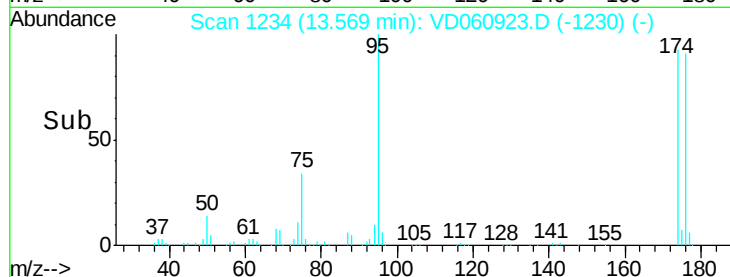
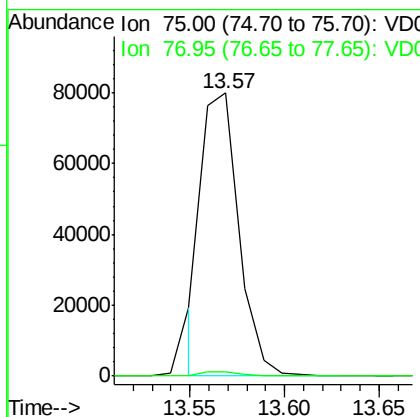
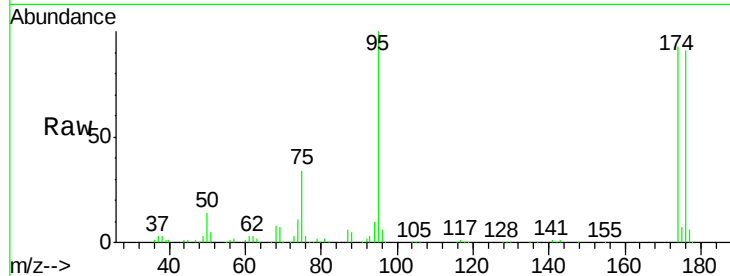




#76
 1,2,3-Trichloropropane
 Concen: 15.667 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. -0.16 min
 Lab File: VD060923.D
 Acq: 4 Mar 2019 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 PE-4(NORTH-SITE-WALL)

Tot Ion: 75 Resp: 110303
 Ion Ratio Lower Upper
 75 100
 77 1.4 16.2 48.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.652 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.10 min
 Lab File: VD060923.D
 Acq: 4 Mar 2019 15:04

Tgt Ion: 75 Resp: 122205
 Ion Ratio Lower Upper
 75 100
 53 0.0 59.8 89.6#
 89 0.0 33.0 49.6#

