

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062270.D
 Acq On : 12 May 2019 20:23
 Operator : FY/SY
 Sample : K2733-15
 Misc : 5.32g/5mL/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS003-0206-01

Quant Time: May 15 05:27:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

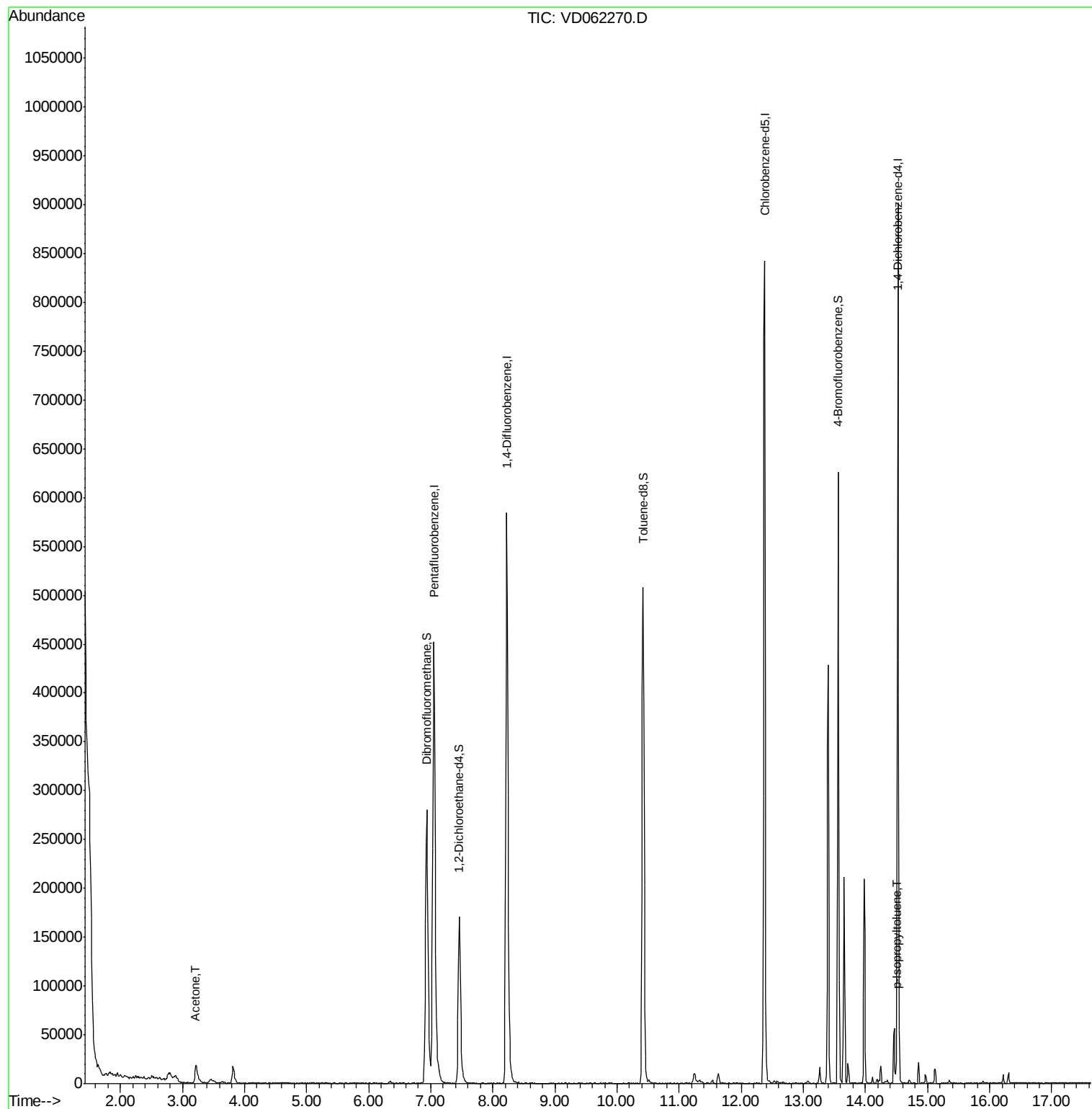
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	425024	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	614091	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	465536	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	179877	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	204511	51.78	ug/l	0.04
Spiked Amount 50.000			Recovery	=	103.56%	
35) Dibromofluoromethane	6.93	113	250346	49.13	ug/l	0.04
Spiked Amount 50.000			Recovery	=	98.26%	
50) Toluene-d8	10.42	98	414186	33.72	ug/l	0.02
Spiked Amount 50.000			Recovery	=	67.44%	
62) 4-Bromofluorobenzene	13.56	95	173462	35.16	ug/l	0.01
Spiked Amount 50.000			Recovery	=	70.32%	
Target Compounds						
16) Acetone	3.21	43	39733	47.968	ug/l #	88
86) p-Isopropyltoluene	14.49	119	11437	1.144	ug/l #	88

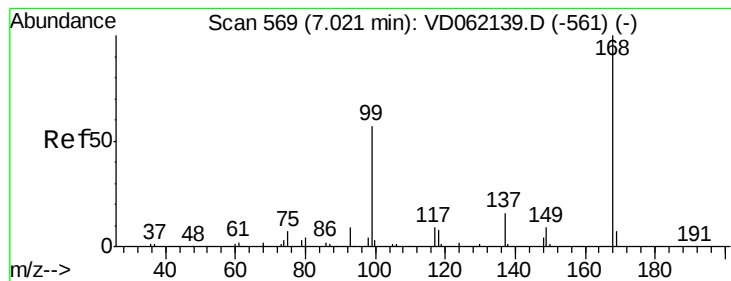
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 07 14:26:29 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

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ClientSampleId :

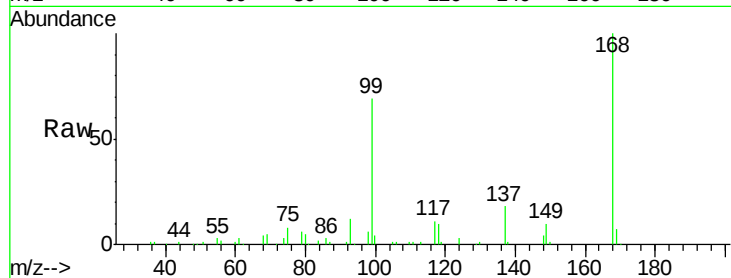
P021-SS003-0206-01

Tot Ion:168 Resp: 425024

Ion Ratio Lower Upper

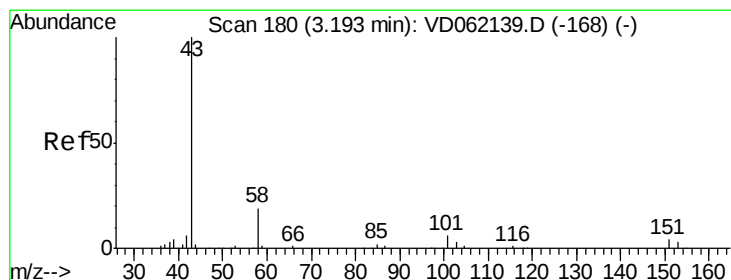
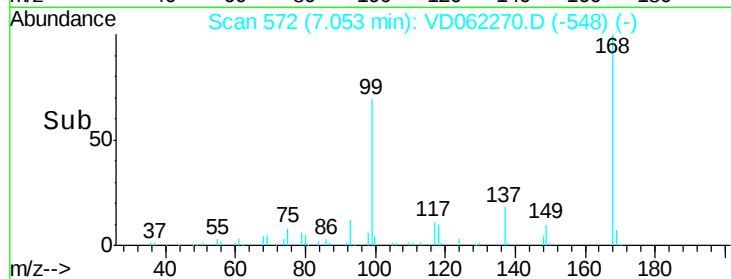
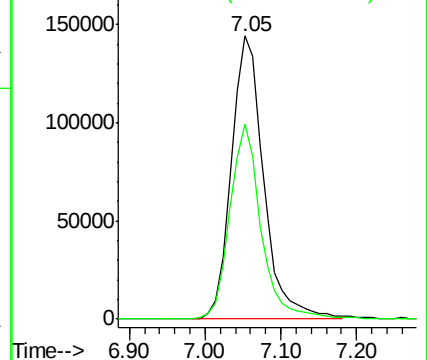
168 100

99 69.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 47.968 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD062270.D

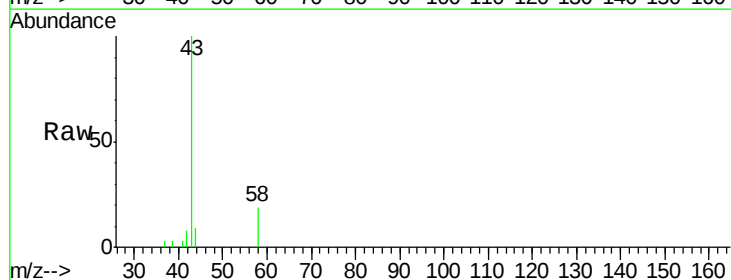
Acq: 12 May 2019 20:23

Tgt Ion: 43 Resp: 39733

Ion Ratio Lower Upper

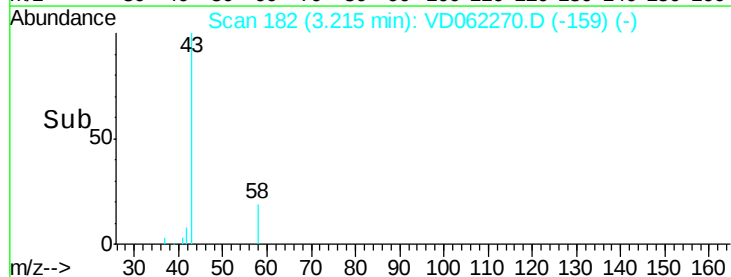
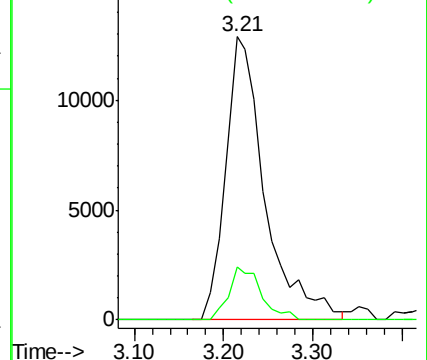
43 100

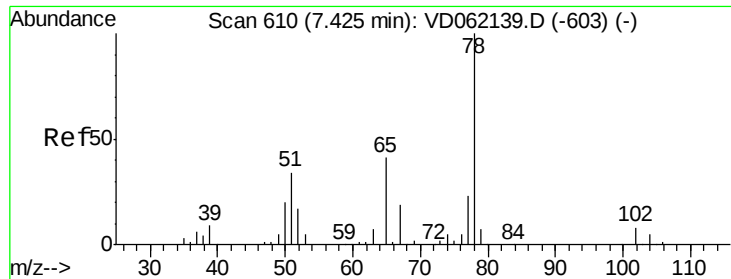
58 18.9 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 51.778 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062270.D

Acq: 12 May 2019 20:23

Instrument :

MSVOA_D

ClientSampleId :

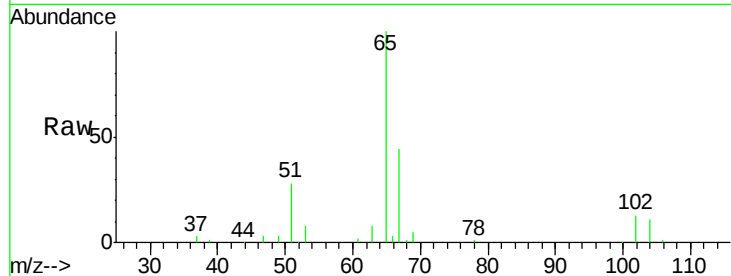
P021-SS003-0206-01

Tot Ion: 65 Resp: 204511

Ion Ratio Lower Upper

65 100

67 43.8 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

80000

60000

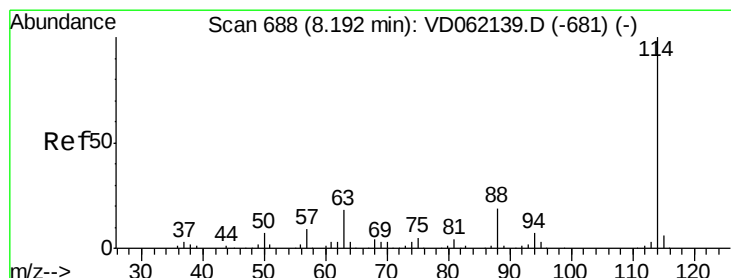
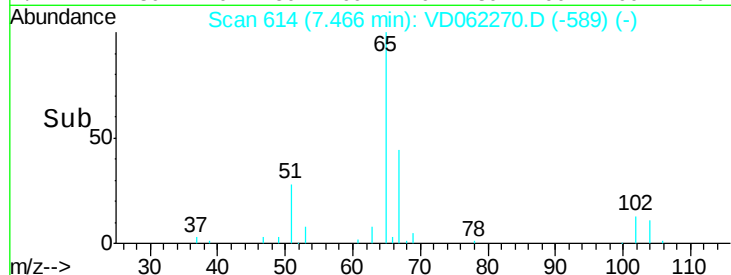
40000

20000

0

7.30 7.40 7.50 7.60 7.70

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD062270.D

Acq: 12 May 2019 20:23

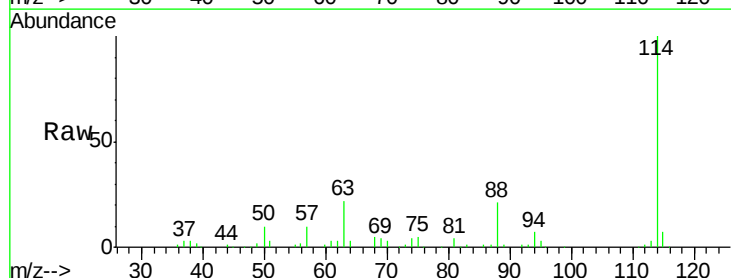
Tgt Ion: 114 Resp: 614091

Ion Ratio Lower Upper

114 100

63 22.0 0.0 32.4

88 20.5 0.0 33.6



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

8.22

300000

250000

200000

150000

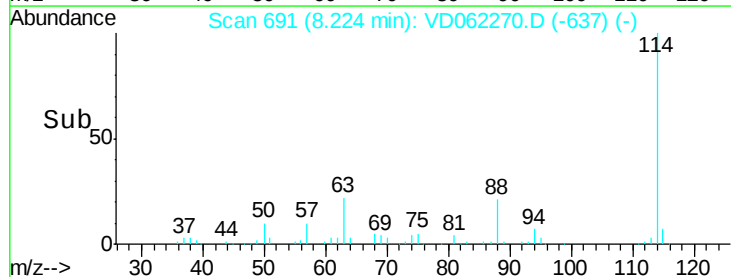
100000

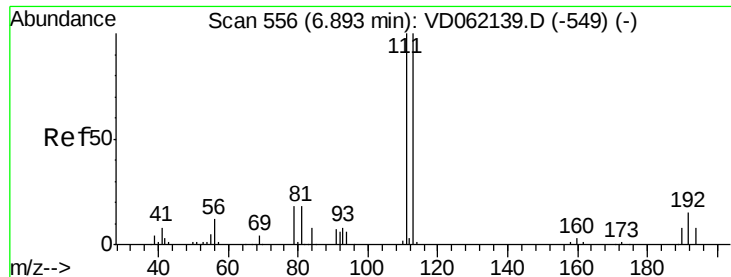
50000

0

8.10 8.20 8.30 8.40 8.50

Time-->





#35

Dibromofluoromethane

Concen: 49.134 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD062270.D

Acq: 12 May 2019 20:23

Instrument :

MSVOA_D

ClientSampleId :

P021-SS003-0206-01

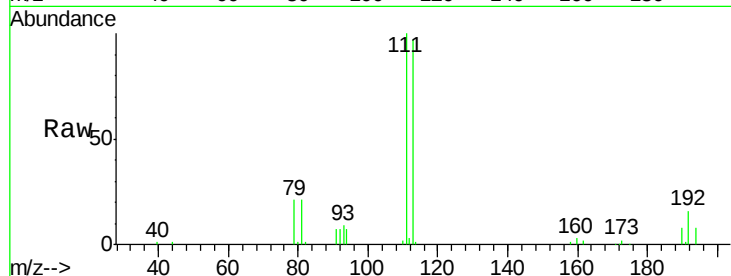
Tot Ion:113 Resp: 250346

Ion Ratio Lower Upper

113 100

111 103.3 78.5 117.7

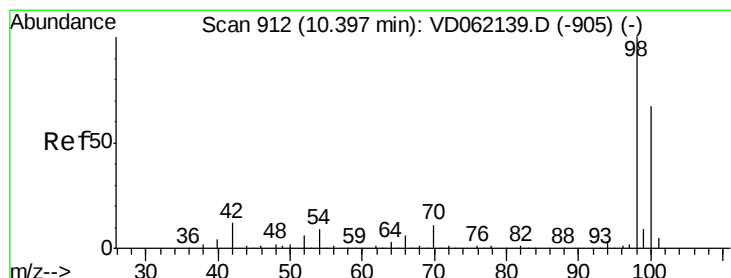
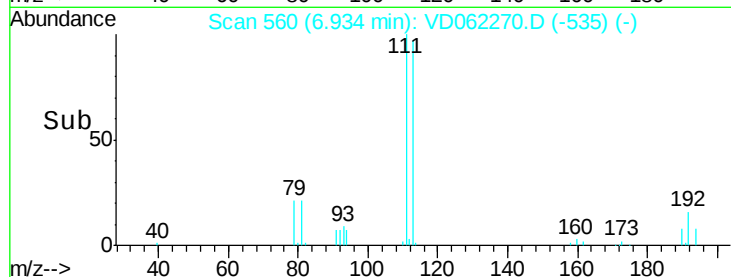
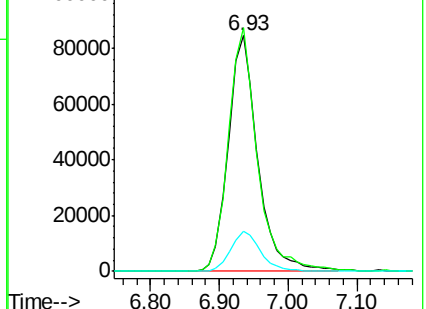
192 16.8 13.0 19.4



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



#50

Toluene-d8

Concen: 33.715 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD062270.D

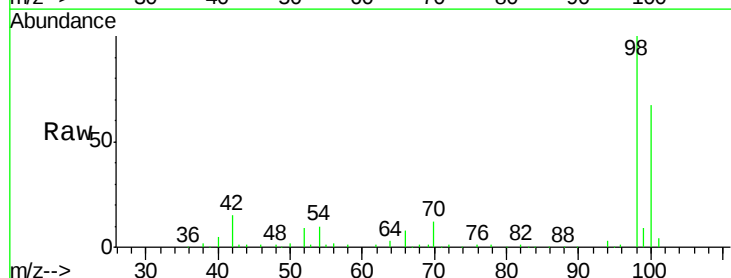
Acq: 12 May 2019 20:23

Tgt Ion: 98 Resp: 414186

Ion Ratio Lower Upper

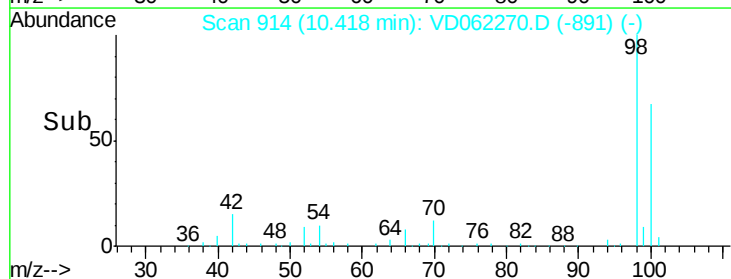
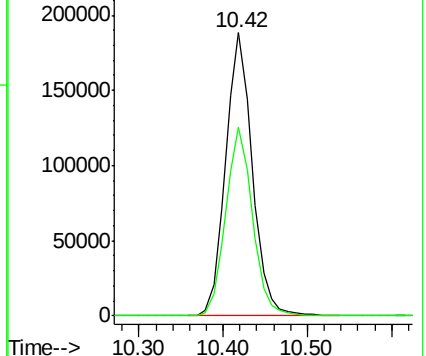
98 100

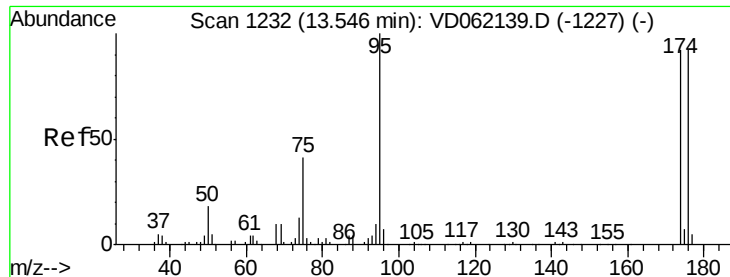
100 66.8 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 35.162 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062270.D

Acq: 12 May 2019 20:23

Instrument :

MSVOA_D

ClientSampleId :

P021-SS003-0206-01

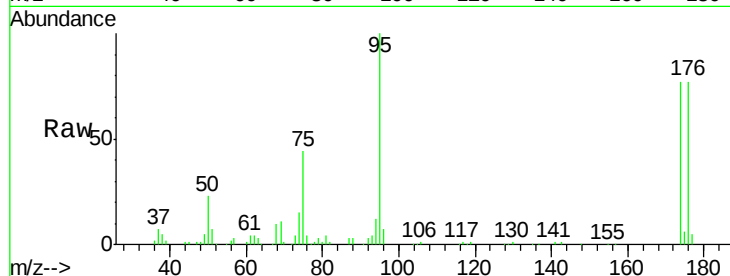
Tot Ion: 95 Resp: 173462

Ion Ratio Lower Upper

95 100

174 77.3 0.0 181.8

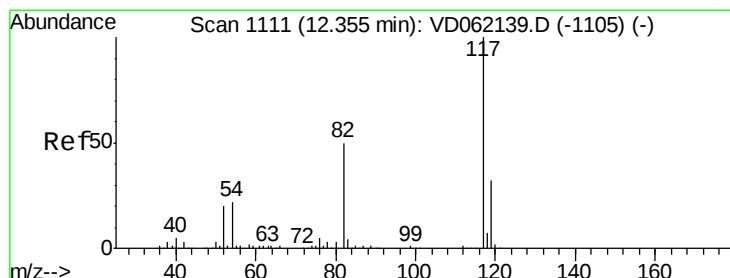
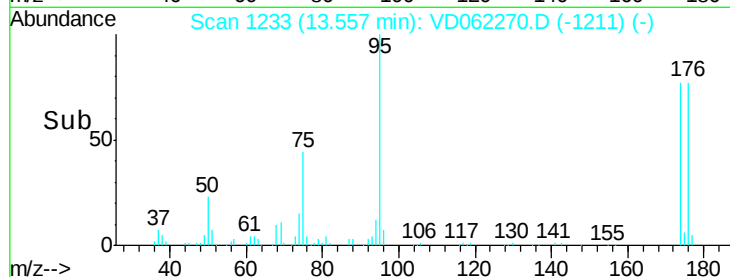
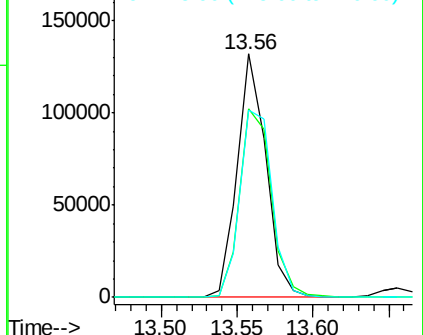
176 76.7 0.0 174.4



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: 12.38 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD062270.D

Acq: 12 May 2019 20:23

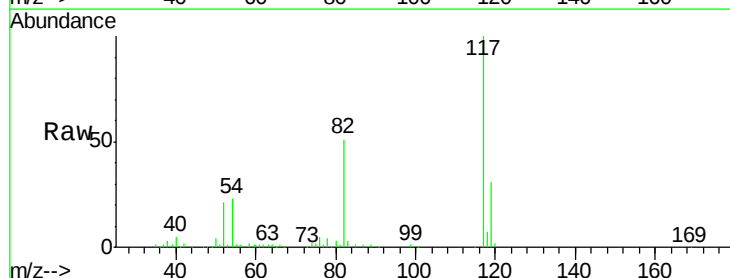
Tgt Ion: 117 Resp: 465536

Ion Ratio Lower Upper

117 100

82 50.9 36.2 54.2

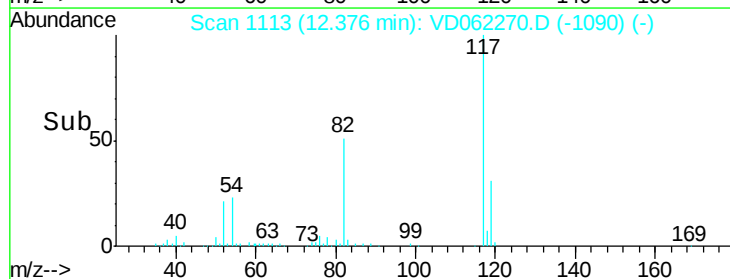
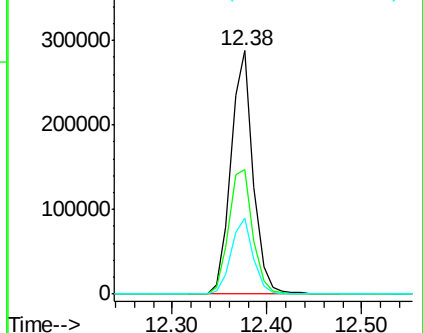
119 31.0 26.2 39.4

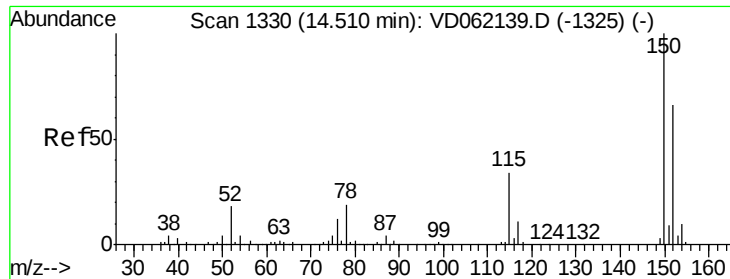


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



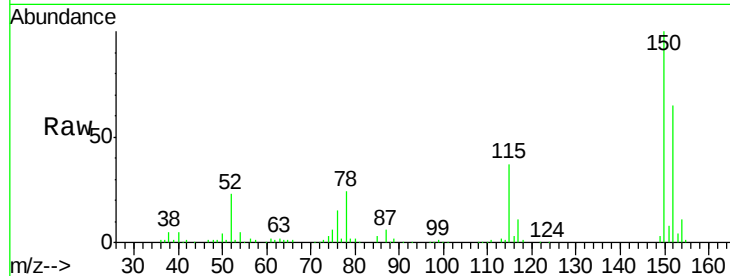


#72

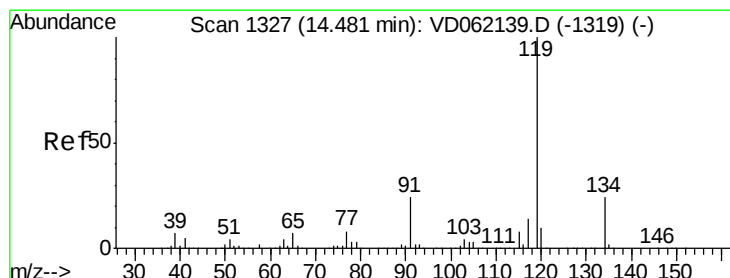
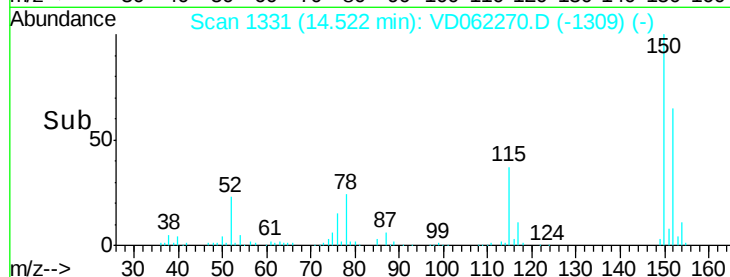
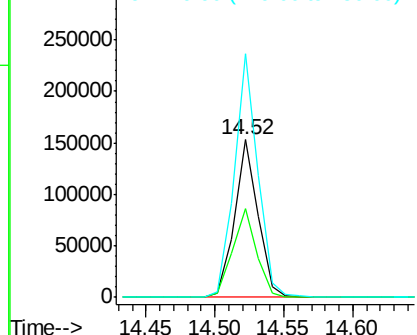
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062270.D
Acq: 12 May 2019 20:23

Instrument :
MSVOA_D
ClientSampleId :
P021-SS003-0206-01

Tot Ion:152 Resp: 179877
Ion Ratio Lower Upper
152 100
115 56.6 30.9 92.7
150 154.5 0.0 314.8



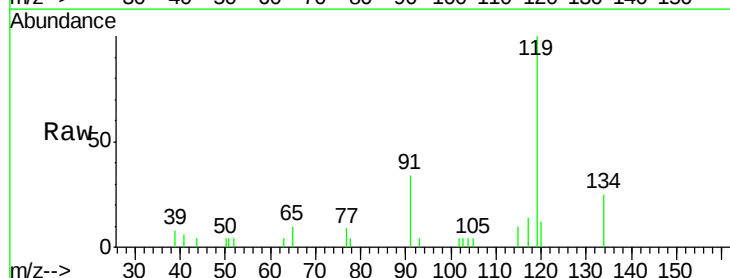
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#86

p-Isopropyltoluene
Concen: 1.144 ug/l
RT: 14.49 min Scan# 1328
Delta R.T. 0.01 min
Lab File: VD062270.D
Acq: 12 May 2019 20:23

Tgt Ion:119 Resp: 11437
Ion Ratio Lower Upper
119 100
134 25.1 12.8 38.3
91 33.5 10.7 32.1#



Abundance Ion 119.05 (118.75 to 119.75): V
Ion 134.10 (133.80 to 134.80): V
Ion 91.00 (90.70 to 91.70): V

