

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082718\
 Data File : VD059919.D
 Acq On : 27 Aug 2018 17:03
 Operator : JC/SY
 Sample : J4646-09RE
 Misc : 5.44g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP1-Q4-C5RE

Quant Time: Aug 27 17:36:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

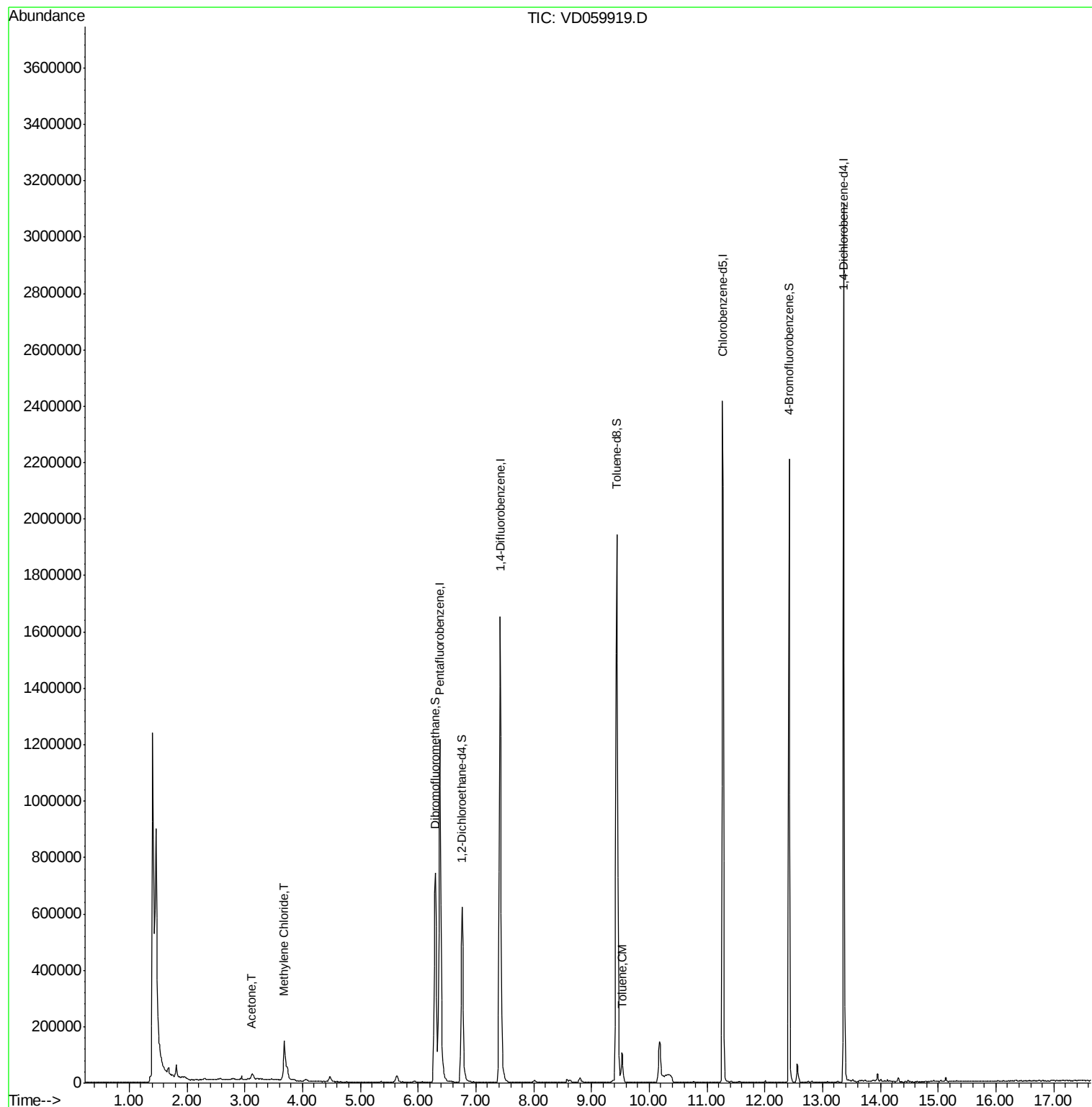
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1142715	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1624387	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1309077	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	673268	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.76	65	475361	49.36	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	98.72%	
35) Dibromofluoromethane	6.30	113	565692	44.42	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	88.84%	
50) Toluene-d8	9.44	98	1514467	42.85	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	85.70%	
62) 4-Bromofluorobenzene	12.42	95	613053	42.71	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	85.42%	
Target Compounds						
16) Acetone	3.12	43	47488	27.06	ug/l	93
20) Methylene Chloride	3.69	84	66852	2.15	ug/l	94
52) Toluene	9.54	92	50644	2.06	ug/l	94

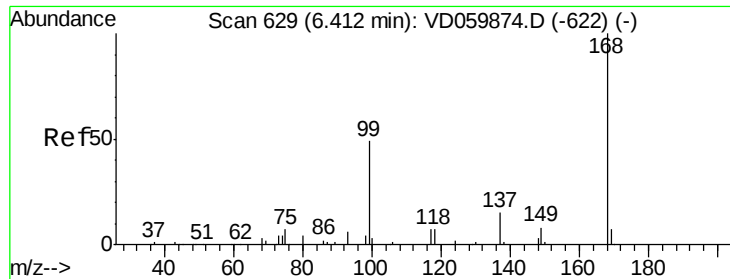
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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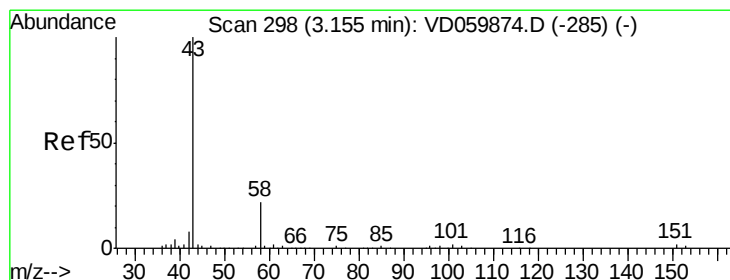
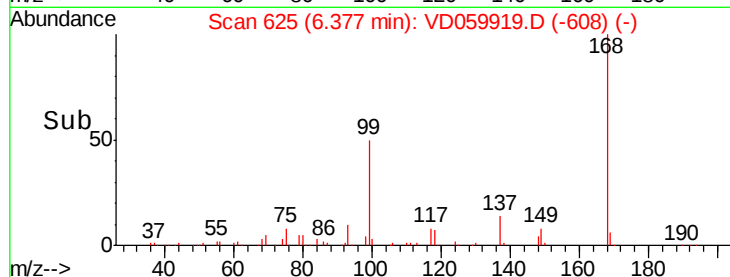
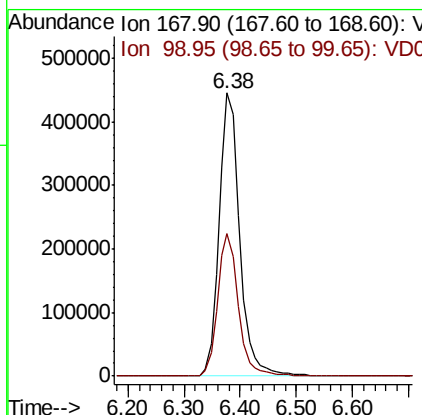
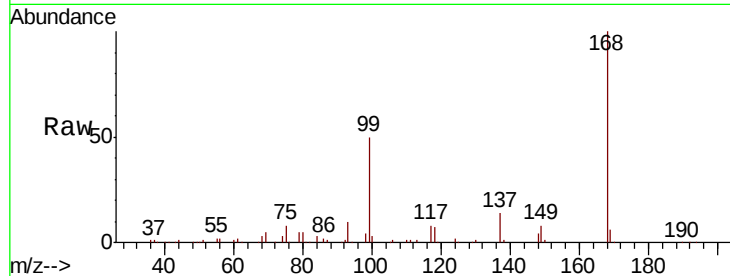




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 6.38 min Scan# 625
Delta R.T. -0.03 min
Lab File: VD059919.D
Acq: 27 Aug 2018 17:03

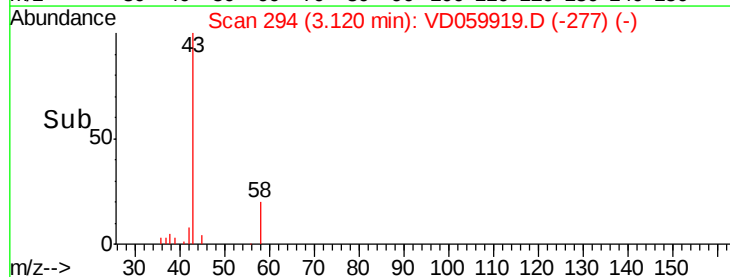
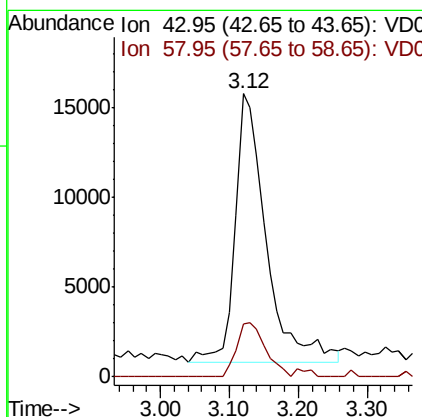
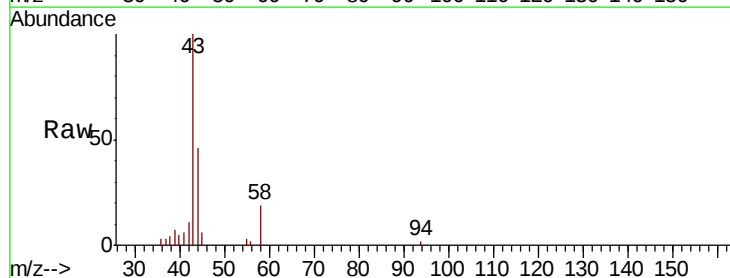
Instrument :
MSVOA_D
ClientSampleId :
EP1-Q4-C5RE

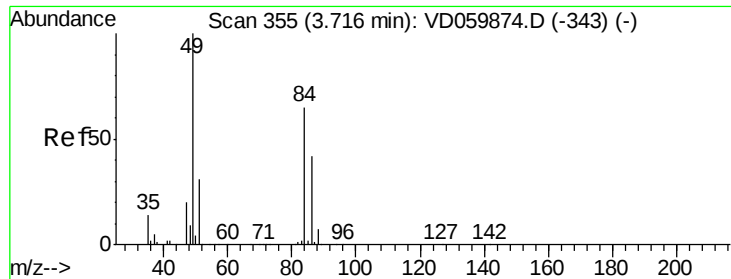
Tot Ion:168 Resp: 1142715
Ion Ratio Lower Upper
168 100
99 50.2 42.2 63.2



#16
Acetone
Concen: 27.06 ug/l
RT: 3.12 min Scan# 294
Delta R.T. -0.03 min
Lab File: VD059919.D
Acq: 27 Aug 2018 17:03

Tgt Ion: 43 Resp: 47488
Ion Ratio Lower Upper
43 100
58 18.6 17.6 26.4

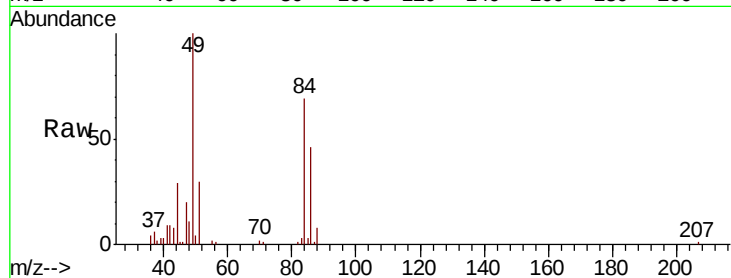




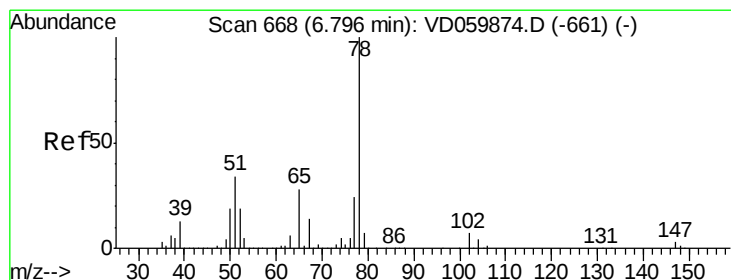
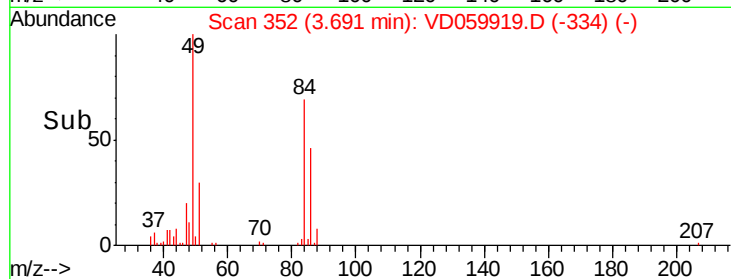
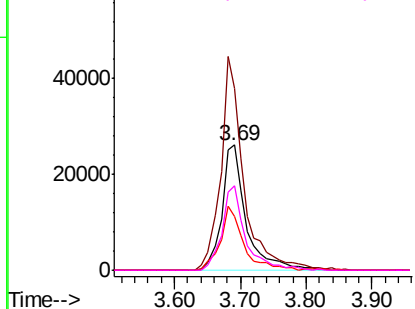
#20
Methvlene Chloride
Concen: 2.15 ug/l
RT: 3.69 min Scan# 352
Delta R.T. -0.02 min
Lab File: VD059919.D
Acq: 27 Aug 2018 17:03

Instrument :
MSVOA_D
ClientSampleId :
EP1-Q4-C5RE

Tot Ion:	84	Resp:	66852
Ion	Ratio	Lower	Upper
84	100		
49	145.3	122.6	183.8
51	43.3	38.4	57.6
86	67.0	51.5	77.3

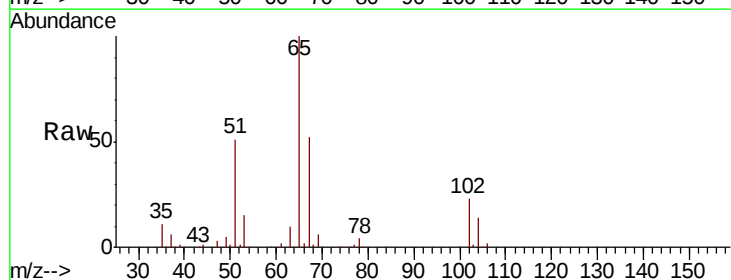


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

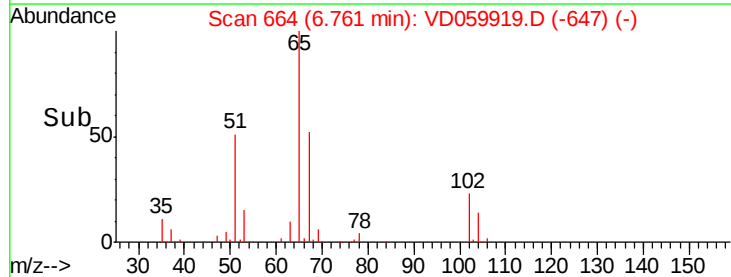
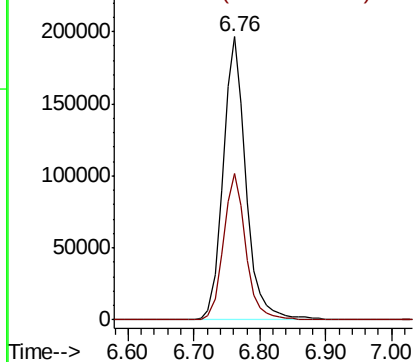


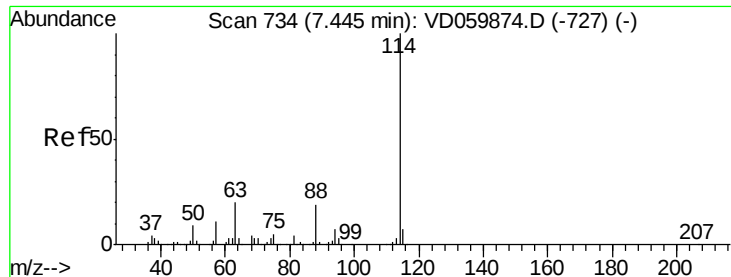
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.76 min Scan# 664
Delta R.T. -0.03 min
Lab File: VD059919.D
Acq: 27 Aug 2018 17:03

Tgt Ion:	65	Resp:	475361
Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 731

Delta R.T. -0.02 min

Lab File: VD059919.D

Acq: 27 Aug 2018 17:03

Instrument :

MSVOA_D

ClientSampleId :

EP1-Q4-C5RE

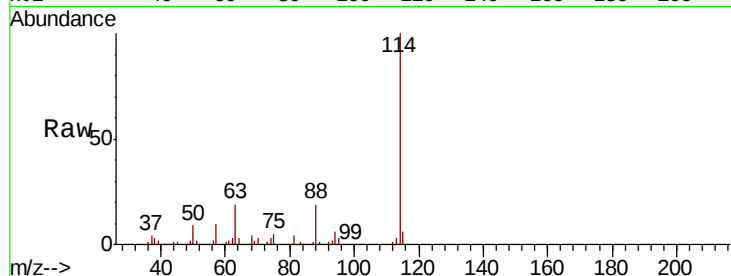
Tot Ion:114 Resp: 1624387

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.4

88 18.7 0.0 37.6



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

800000

600000

400000

200000

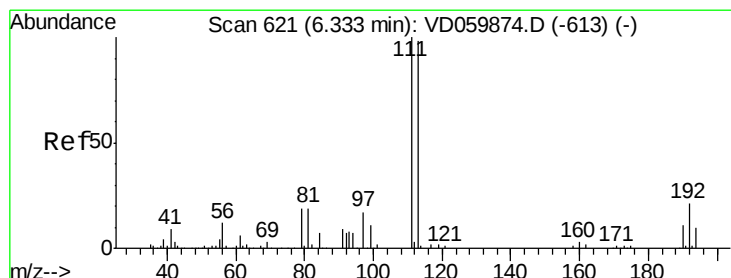
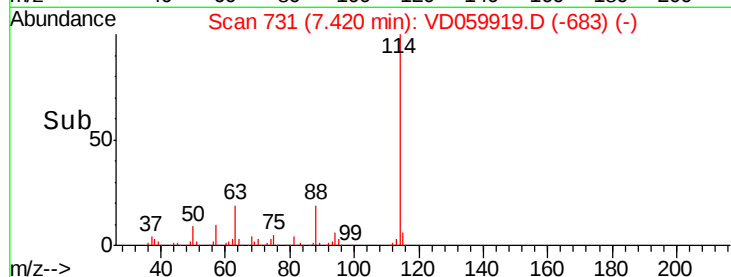
0

7.42

7.40

7.60

Time-->



#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.30 min Scan# 617

Delta R.T. -0.03 min

Lab File: VD059919.D

Acq: 27 Aug 2018 17:03

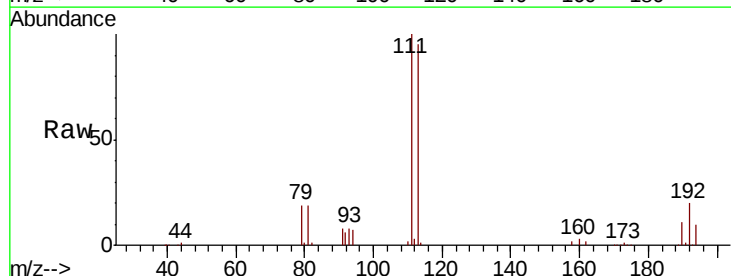
Tgt Ion:113 Resp: 565692

Ion Ratio Lower Upper

113 100

111 105.7 81.4 122.2

192 21.5 17.0 25.6



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

300000

250000

200000

150000

100000

50000

0

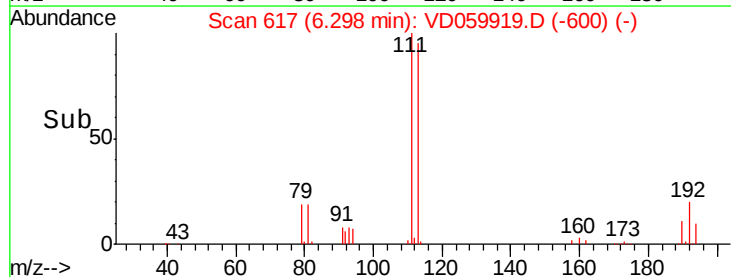
6.30

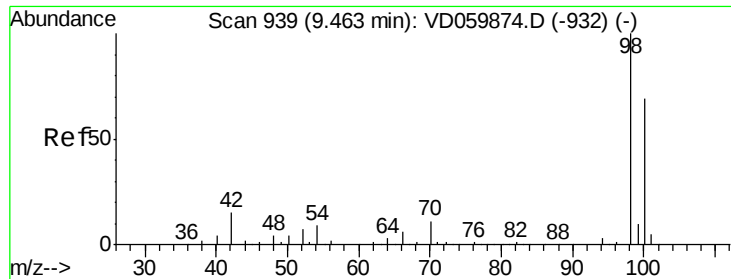
6.20

6.40

6.50

Time-->

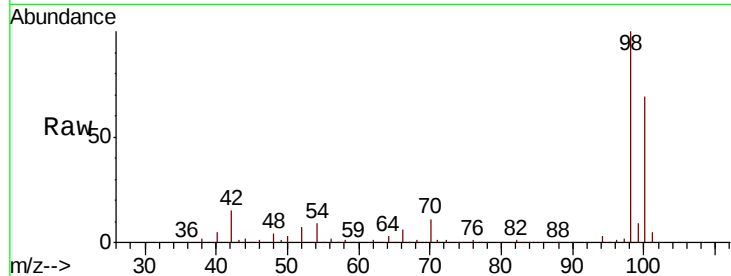




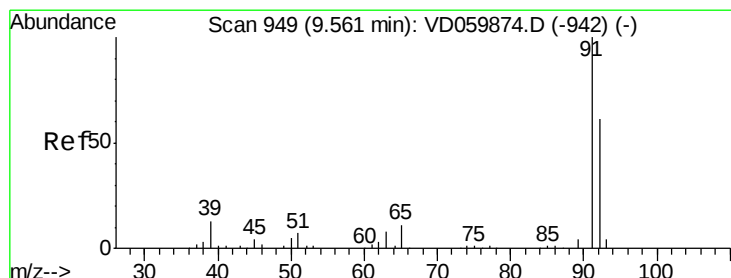
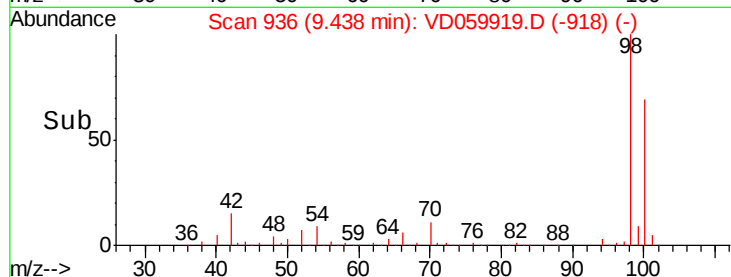
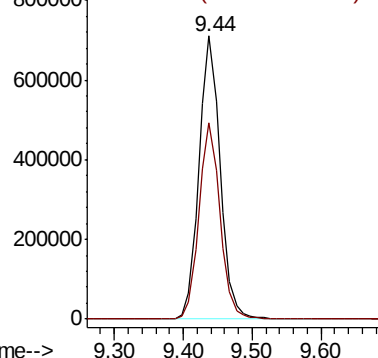
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 936
Delta R.T. -0.02 min
Lab File: VD059919.D
Acq: 27 Aug 2018 17:03

Instrument :
MSVOA_D
ClientSampleId :
EP1-Q4-C5RE

Tot Ion: 98 Resp: 1514467
Ion Ratio Lower Upper
98 100
100 69.5 55.8 83.6

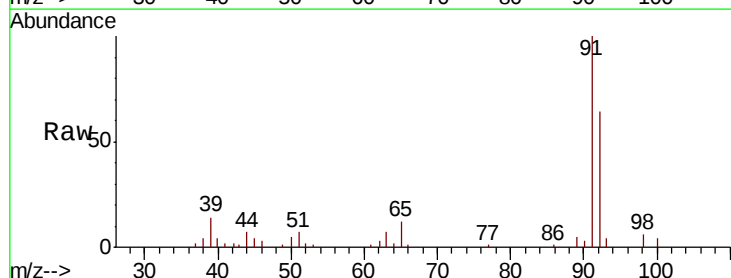


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

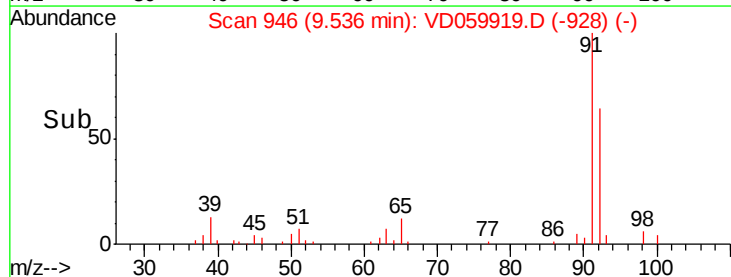
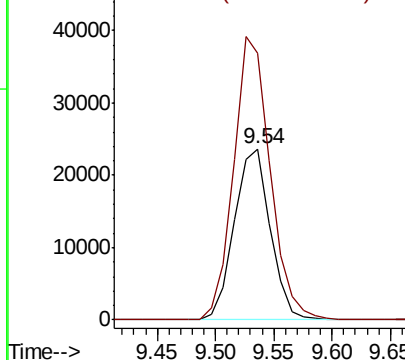


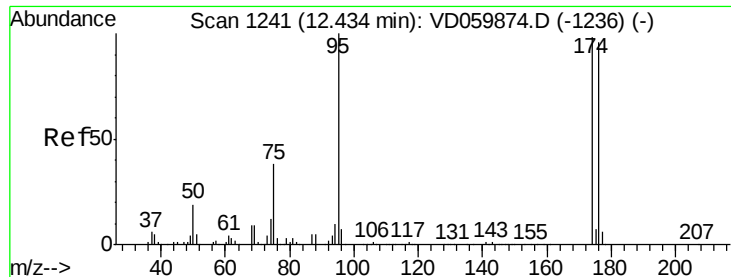
#52
Toluene
Concen: 2.06 ug/l
RT: 9.54 min Scan# 946
Delta R.T. -0.02 min
Lab File: VD059919.D
Acq: 27 Aug 2018 17:03

Tgt Ion: 92 Resp: 50644
Ion Ratio Lower Upper
92 100
91 156.1 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VD059919.D

Acq: 27 Aug 2018 17:03

Instrument :

MSVOA_D

ClientSampleId :

EP1-Q4-C5RE

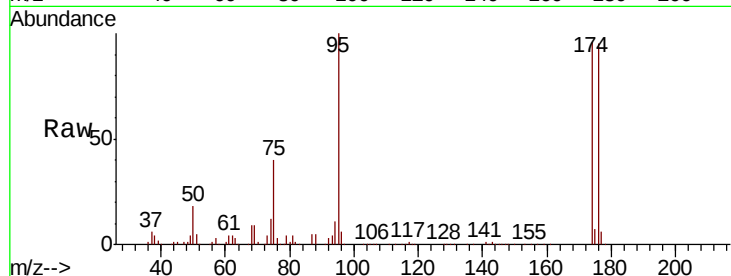
Tot Ion: 95 Resp: 613053

Ion Ratio Lower Upper

95 100

174 96.4 0.0 195.6

176 94.8 0.0 191.2



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

12.42

400000

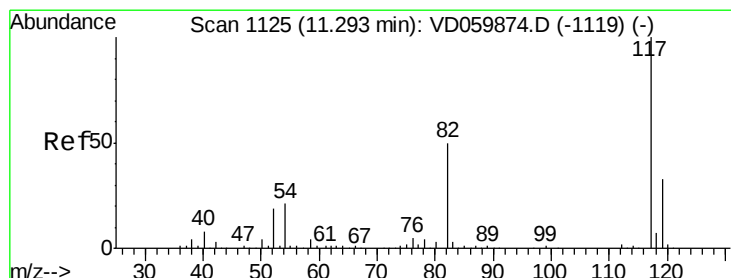
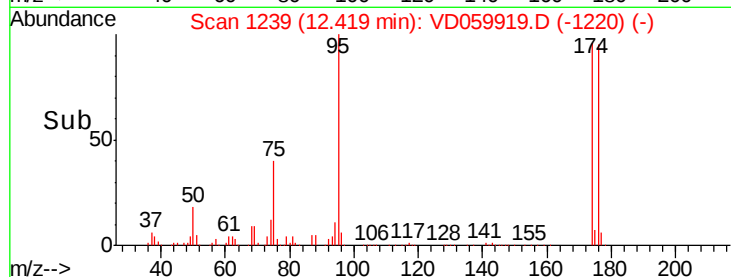
300000

200000

100000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.27 min Scan# 1122

Delta R.T. -0.02 min

Lab File: VD059919.D

Acq: 27 Aug 2018 17:03

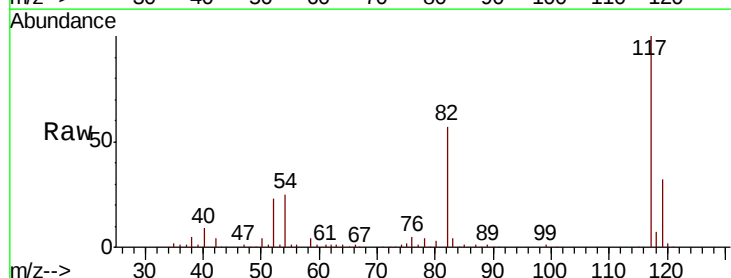
Tgt Ion: 117 Resp: 1309077

Ion Ratio Lower Upper

117 100

82 57.1 40.1 60.1

119 32.1 26.7 40.1



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

11.27

1000000

800000

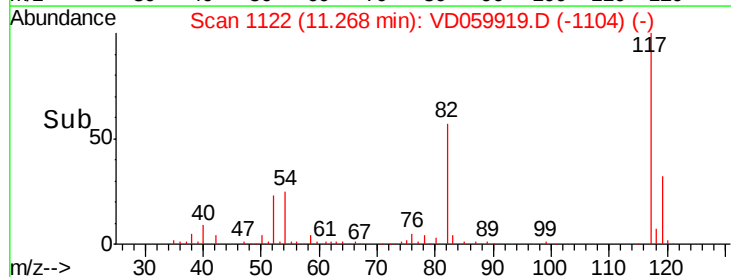
600000

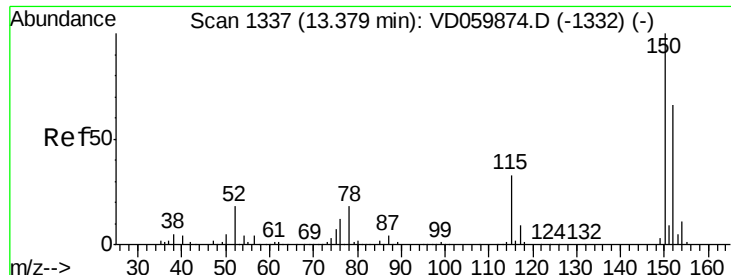
400000

200000

0

Time--> 11.20 11.30 11.40





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.36 min Scan# 1335

Delta R.T. -0.01 min

Lab File: VD059919.D

Acq: 27 Aug 2018 17:03

Instrument :

MSVOA_D

ClientSampleId :

EP1-Q4-C5RE

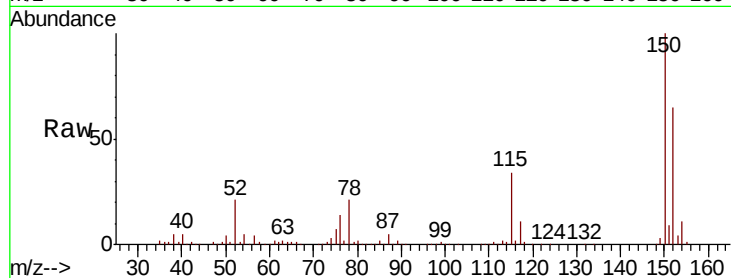
Tot Ion:152 Resp: 673268

Ion Ratio Lower Upper

152 100

115 52.6 25.7 77.0

150 154.6 0.0 310.2



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

