

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041320\
 Data File : VD065620.D
 Acq On : 13 Apr 2020 16:46
 Operator : VA/SY
 Sample : L2229-11
 Misc : 6.67G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-40

Quant Time: Apr 14 03:58:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:39:58 2020
 Response via : Initial Calibration

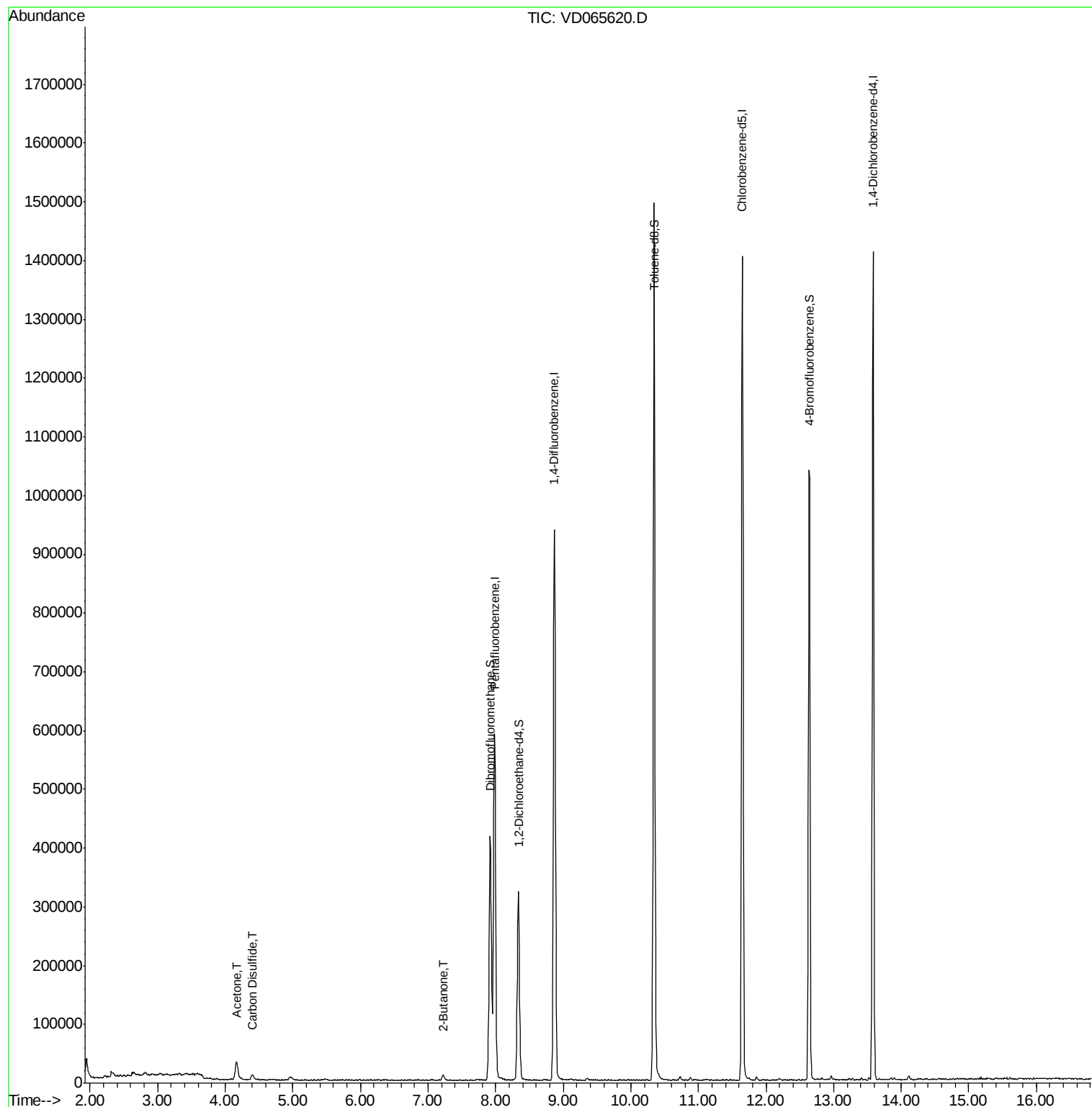
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	465412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	843296	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	818123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	385615	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	262813	59.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.42%	
35) Dibromofluoromethane	7.92	113	292578	49.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.32%	
50) Toluene-d8	10.34	98	998744	46.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.84%	
62) 4-Bromofluorobenzene	12.64	95	335382	48.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.02%	
Target Compounds						
16) Acetone	4.17	43	56188	70.692	ug/l	97
17) Carbon Disulfide	4.40	76	18653	1.256	ug/l	96
25) 2-Butanone	7.23	43	11554	10.620	ug/l	91

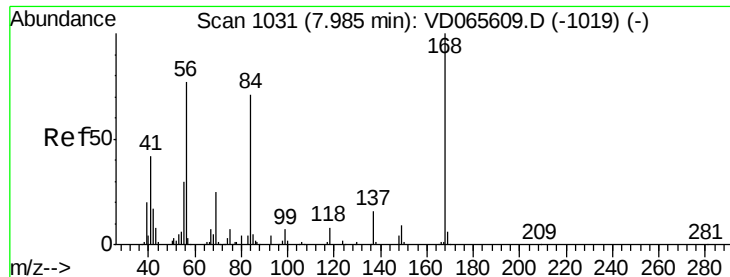
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065620.D

Acq: 13 Apr 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

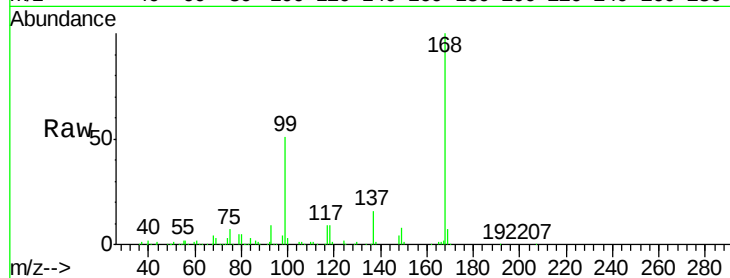
TP-40

Tot Ion:168 Resp: 465412

Ion Ratio Lower Upper

168 100

99 50.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

200000

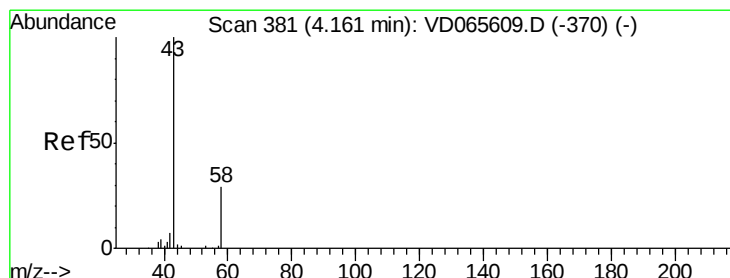
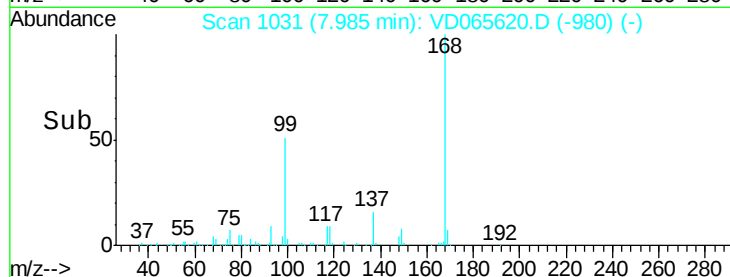
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 70.692 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065620.D

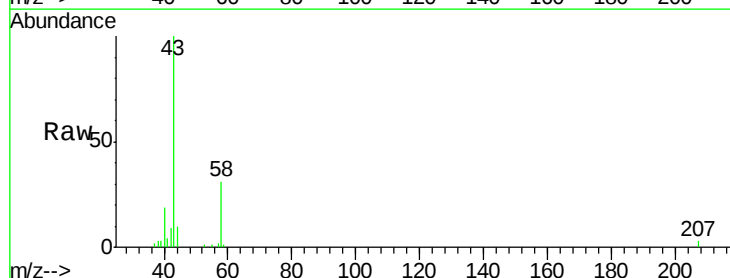
Acq: 13 Apr 2020 16:46

Tgt Ion: 43 Resp: 56188

Ion Ratio Lower Upper

43 100

58 30.6 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

20000

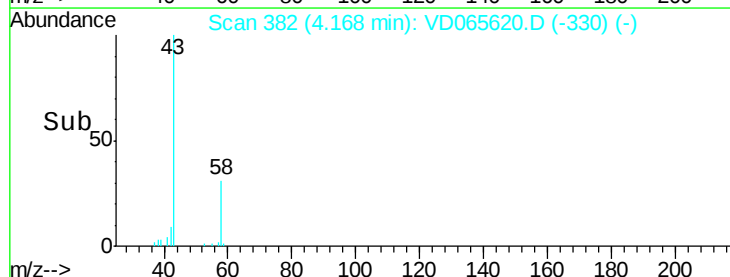
15000

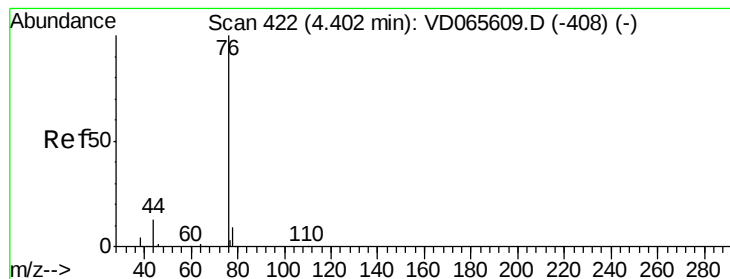
10000

5000

0

Time-->





#17

Carbon Disulfide

Concen: 1.256 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065620.D

Acq: 13 Apr 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

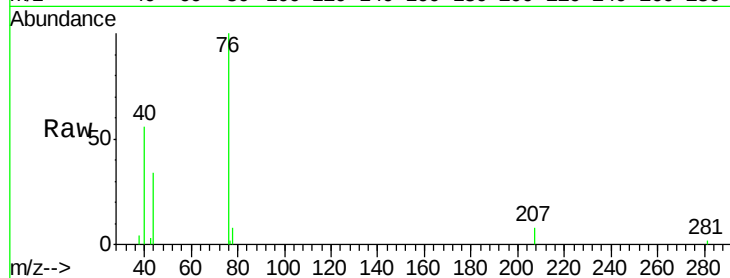
TP-40

Tot Ion: 76 Resp: 18653

Ion Ratio Lower Upper

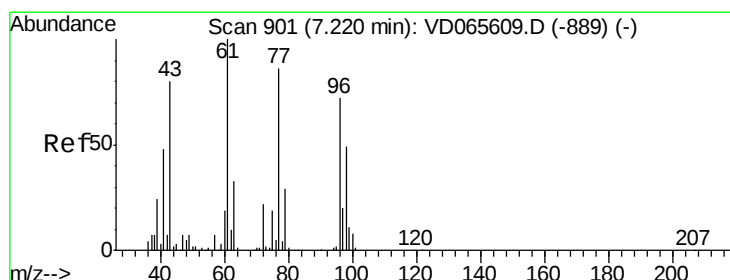
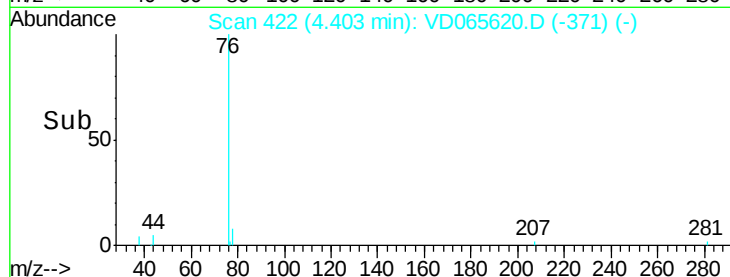
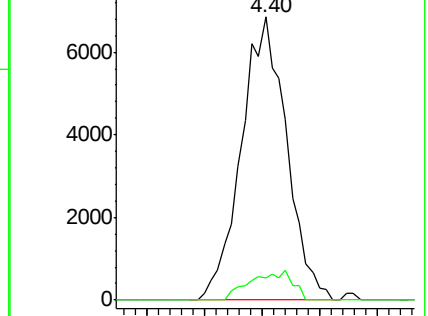
76 100

78 7.8 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#25

2-Butanone

Concen: 10.620 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD065620.D

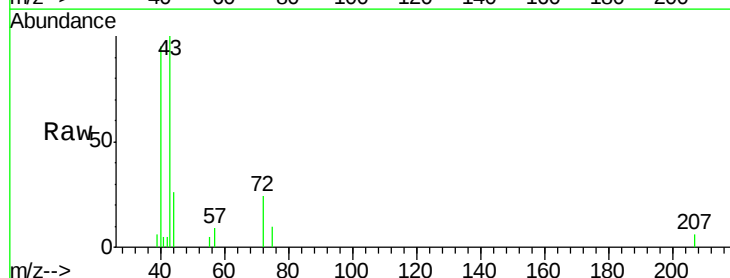
Acq: 13 Apr 2020 16:46

Tgt Ion: 43 Resp: 11554

Ion Ratio Lower Upper

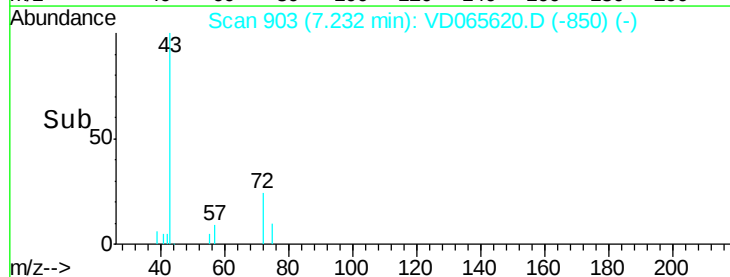
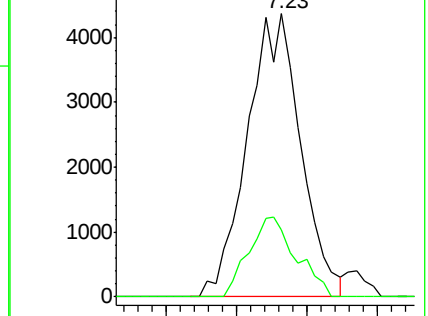
43 100

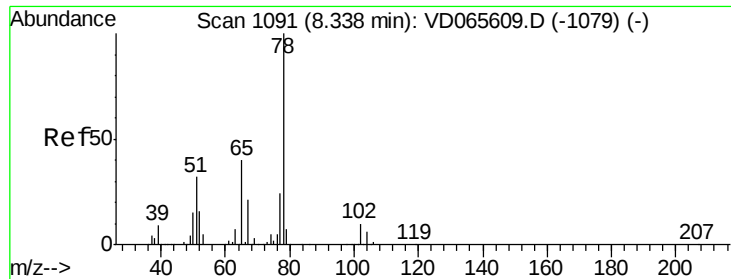
72 23.6 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 59.708 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065620.D

Acq: 13 Apr 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

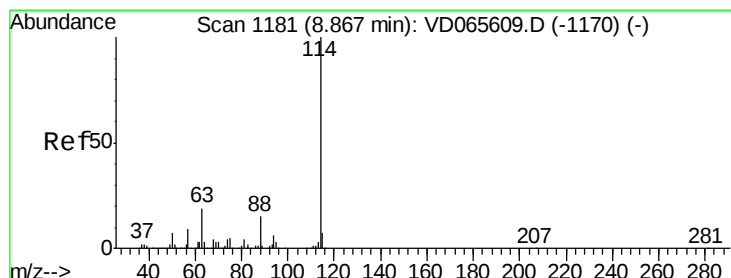
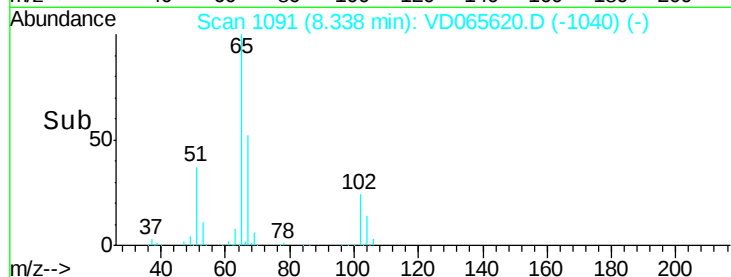
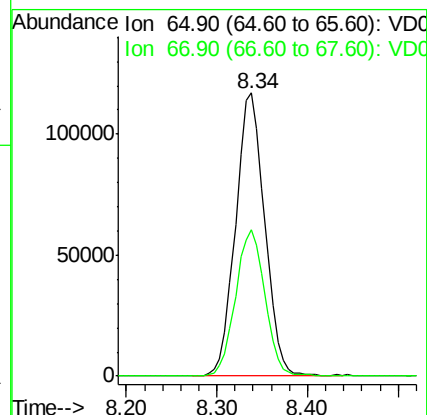
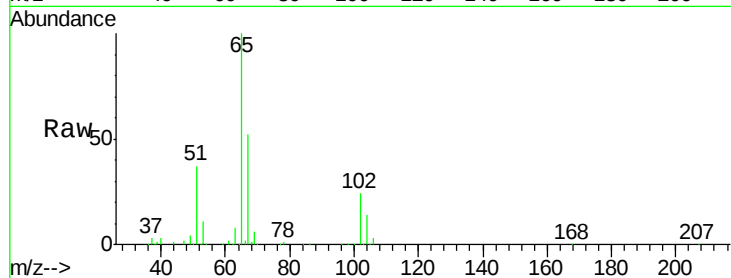
TP-40

Tot Ion: 65 Resp: 262813

Ion Ratio Lower Upper

65 100

67 52.0 0.0 107.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD065620.D

Acq: 13 Apr 2020 16:46

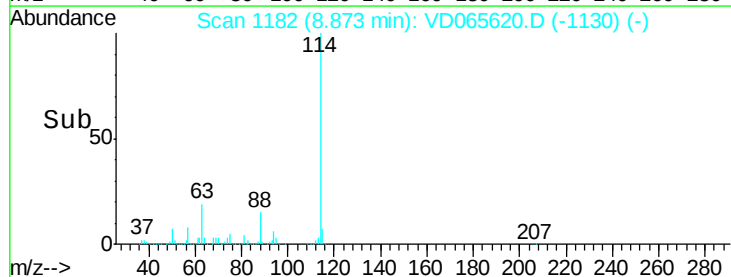
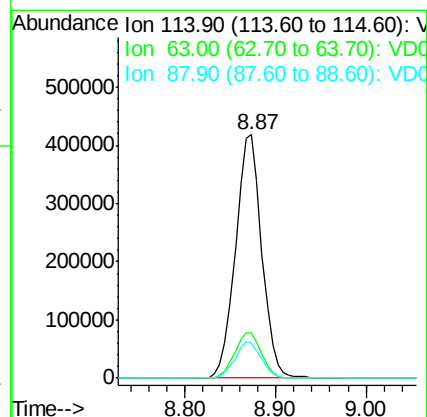
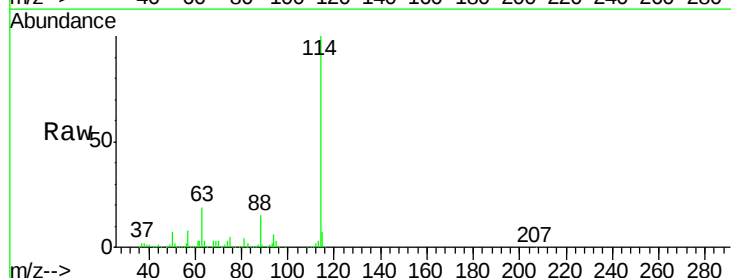
Tgt Ion: 114 Resp: 843296

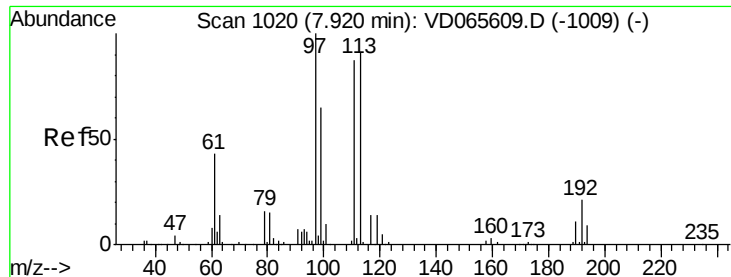
Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.2

88 14.5 0.0 29.6

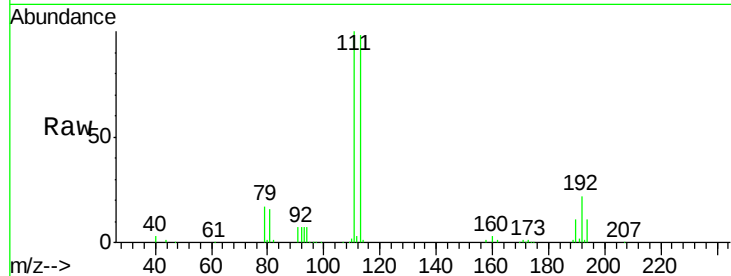




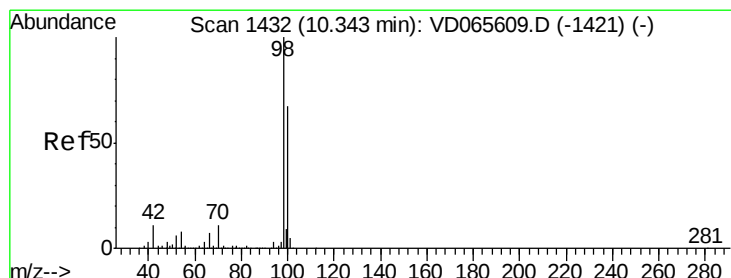
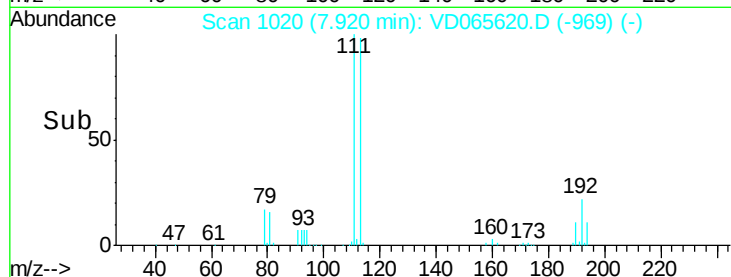
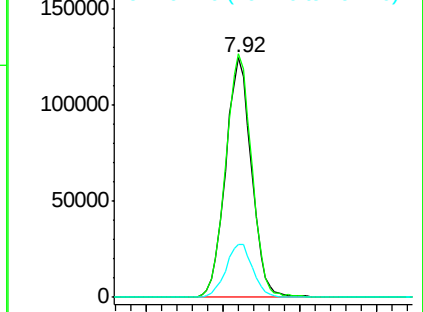
#35
 Dibromofluoromethane
 Concen: 49.661 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065620.D
 Acq: 13 Apr 2020 16:46

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-40

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.6	120.8
192	22.9	18.6	27.8

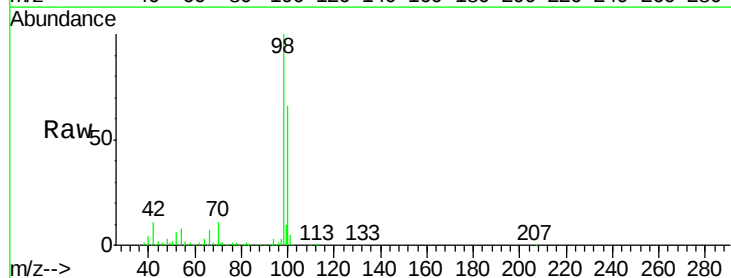


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

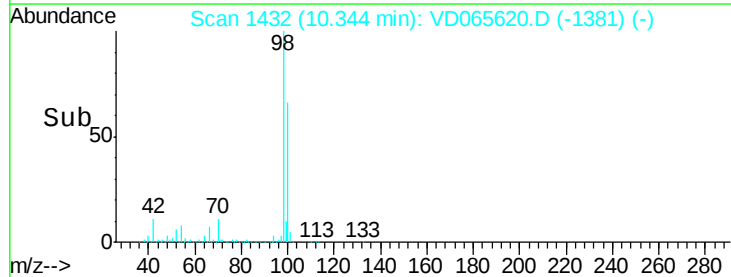
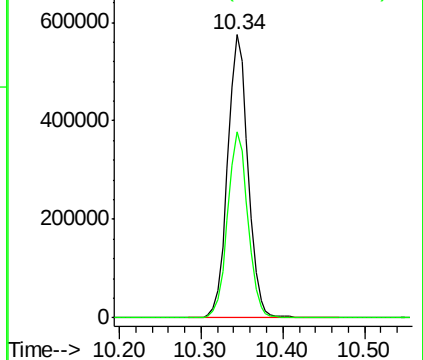


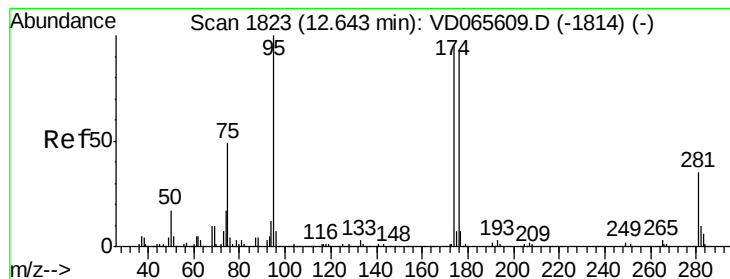
#50
 Toluene-d8
 Concen: 46.422 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD065620.D
 Acq: 13 Apr 2020 16:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.6	79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
 Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 48.512 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065620.D

Acq: 13 Apr 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

TP-40

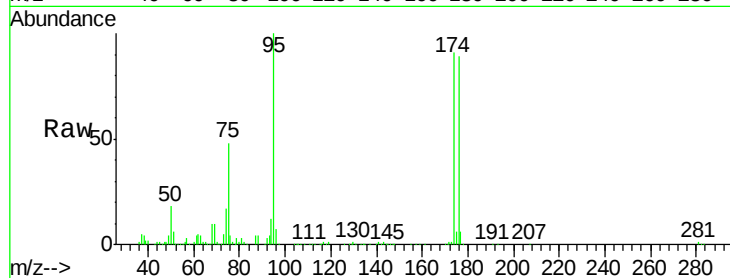
Tot Ion: 95 Resp: 335382

Ion Ratio Lower Upper

95 100

174 94.1 0.0 182.8

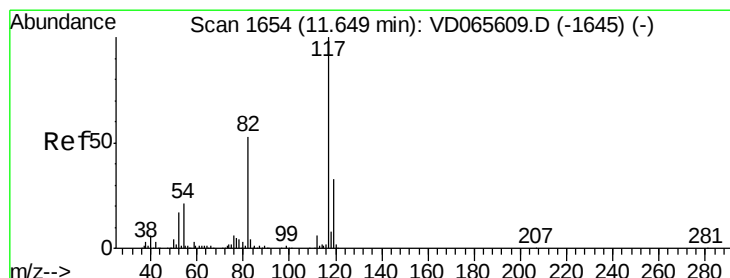
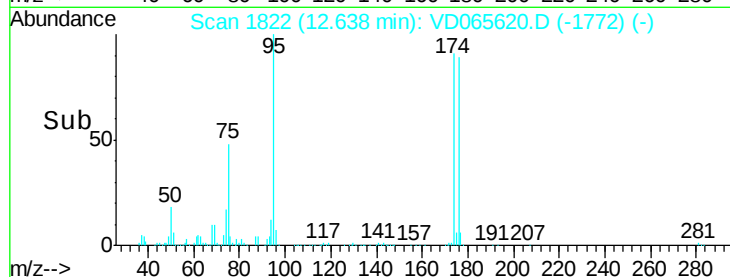
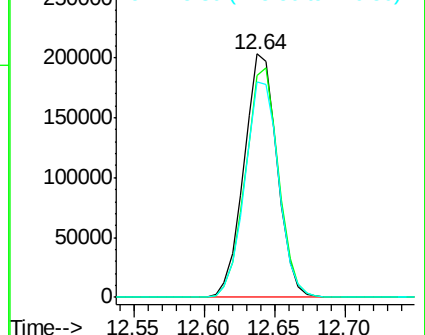
176 90.3 0.0 176.6



Abundance Ion 94.90 (94.60 to 95.60): VD

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD065620.D

Acq: 13 Apr 2020 16:46

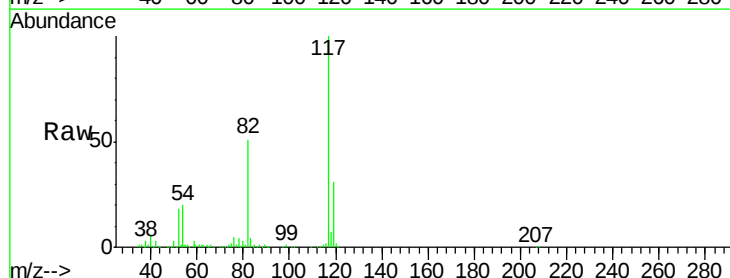
Tgt Ion: 117 Resp: 818123

Ion Ratio Lower Upper

117 100

82 51.4 42.6 64.0

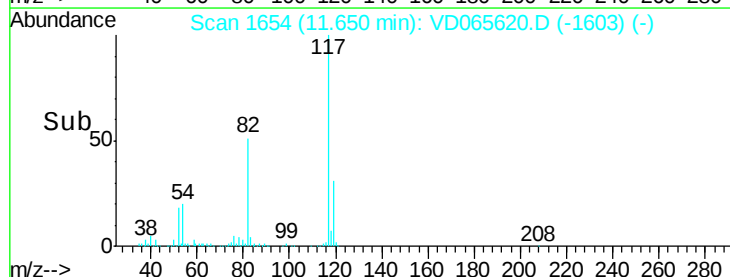
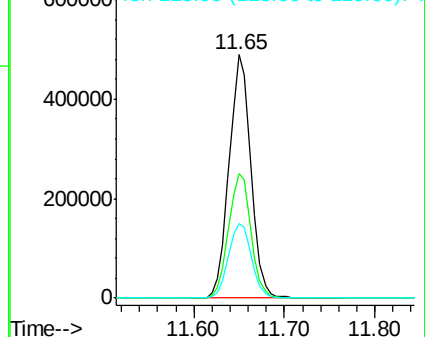
119 30.8 26.7 40.1

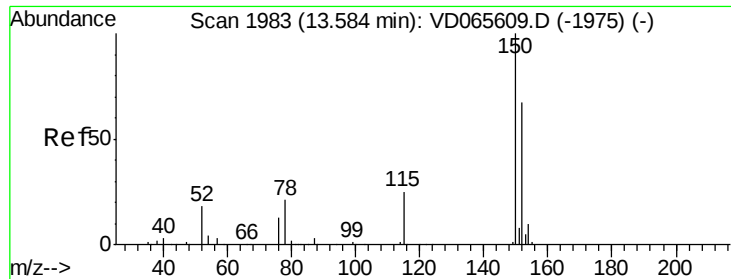


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VD

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065620.D

Acq: 13 Apr 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

TP-40

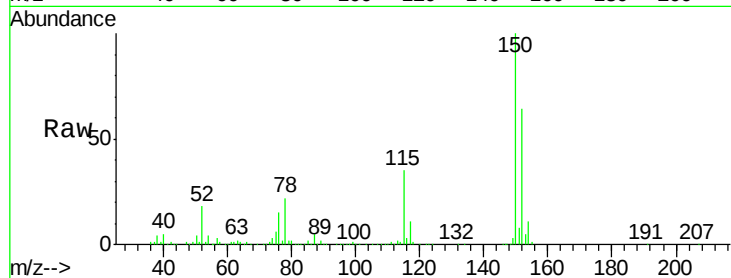
Tot Ion:152 Resp: 385615

Ion Ratio Lower Upper

152 100

115 53.7 27.1 81.2

150 156.1 0.0 348.2



Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

