

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122218\
 Data File : VD060705.D
 Acq On : 22 Dec 2018 13:34
 Operator : VA/AP
 Sample : J6525-02
 Misc : 5.31g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-2(5)

Quant Time: Dec 24 02:37:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

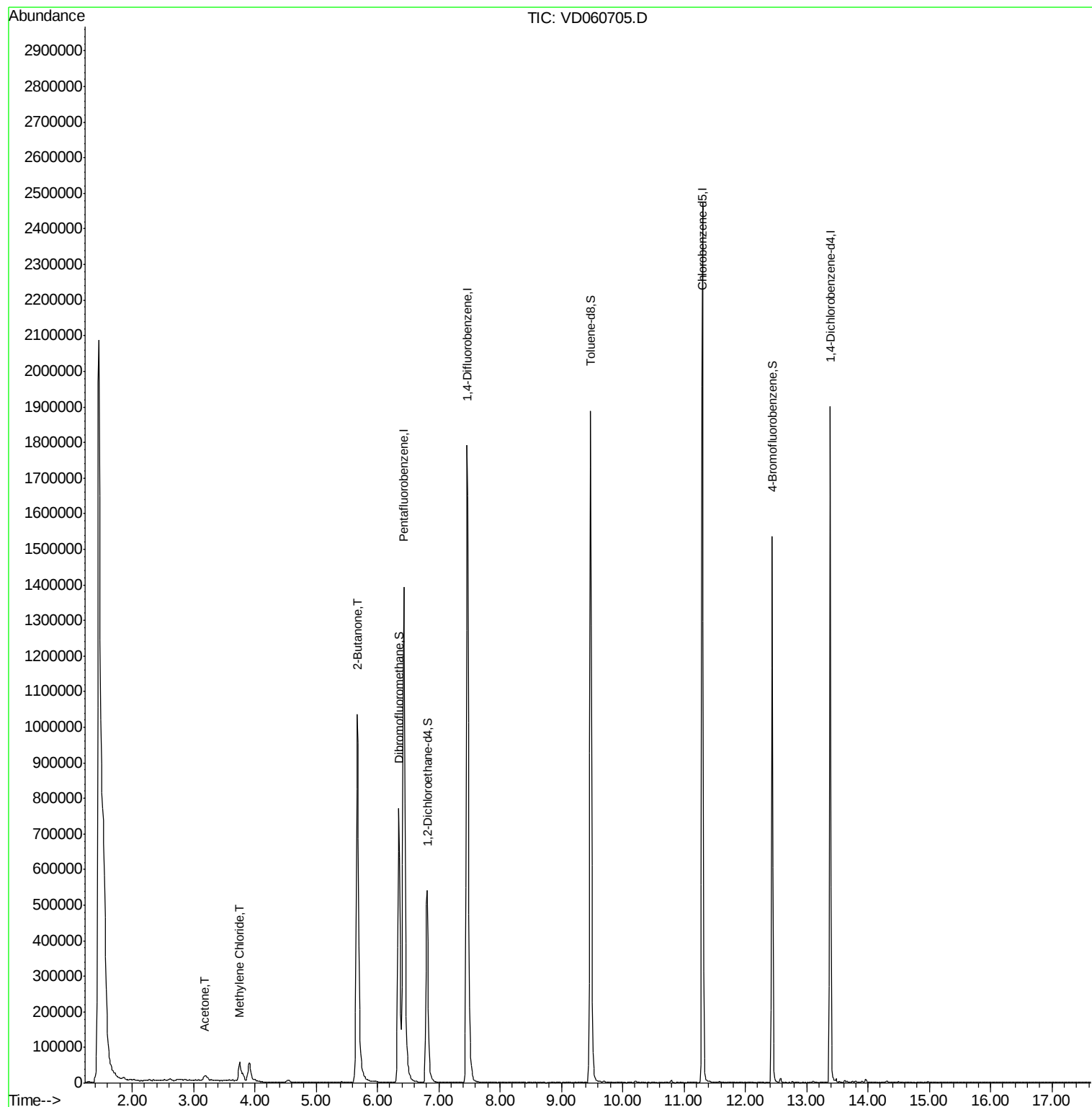
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	1406589	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.46	114	1955399	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.30	117	1358722	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.39	152	474535	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.81	65	455904	46.90	ug/l	0.02
Spiked Amount 50.000			Recovery	=	93.80%	
35) Dibromofluoromethane	6.35	113	625486	43.70	ug/l	0.02
Spiked Amount 50.000			Recovery	=	87.40%	
50) Toluene-d8	9.48	98	1580350	37.01	ug/l	0.02
Spiked Amount 50.000			Recovery	=	74.02%	
62) 4-Bromofluorobenzene	12.44	95	437767	29.27	ug/l	0.02
Spiked Amount 50.000			Recovery	=	58.54%	
Target Compounds						
16) Acetone	3.19	43	29447	17.347	ug/l	96
20) Methylene Chloride	3.75	84	33442	1.897	ug/l	92
25) 2-Butanone	5.67	43	60288	18.559	ug/l #	81

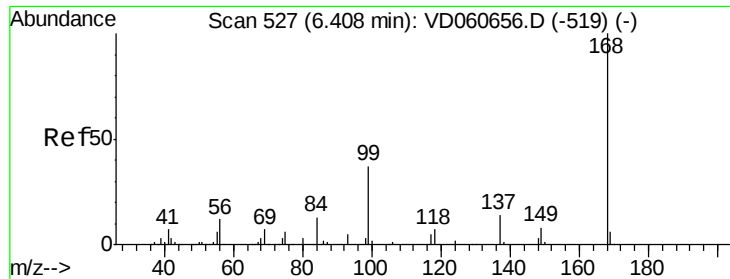
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 21 17:37:47 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 529

Delta R.T. 0.02 min

Lab File: VD060705.D

Acq: 22 Dec 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

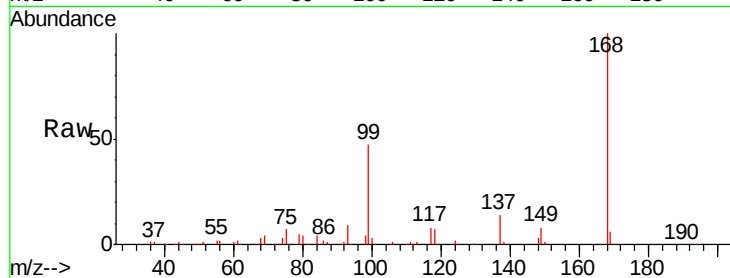
S-2(5)

Tgt Ion:168 Resp: 1406589

Ion Ratio Lower Upper

168 100

99 46.5 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.43

500000

400000

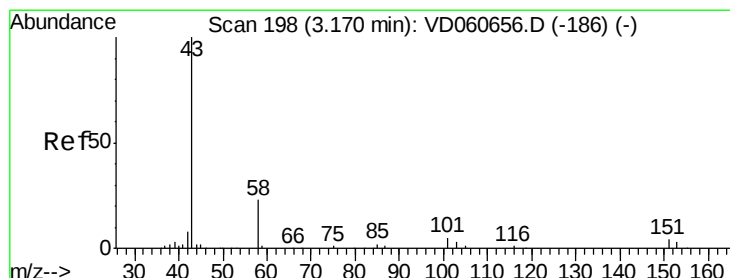
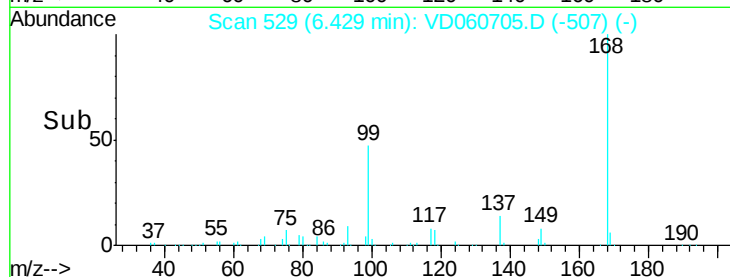
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 17.347 ug/l

RT: 3.19 min Scan# 200

Delta R.T. 0.02 min

Lab File: VD060705.D

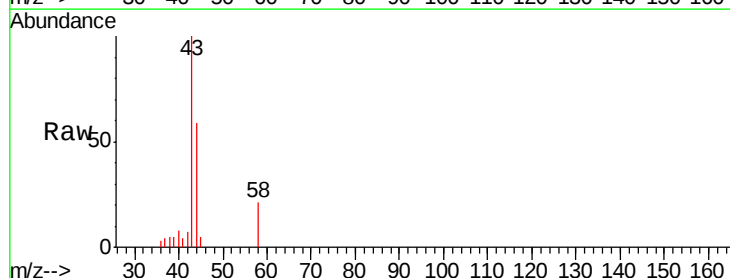
Acq: 22 Dec 2018 13:34

Tgt Ion: 43 Resp: 29447

Ion Ratio Lower Upper

43 100

58 20.6 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.19

10000

8000

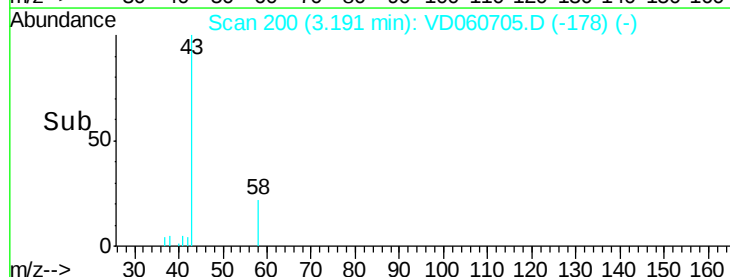
6000

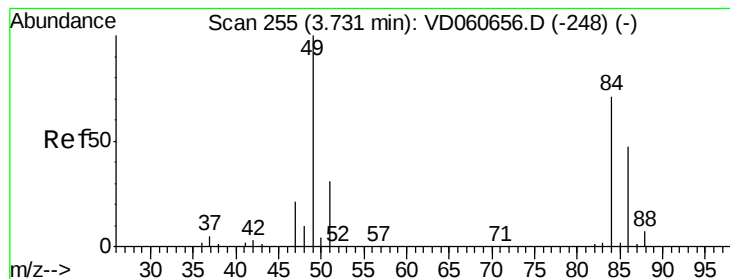
4000

2000

0

Time-->





#20

Methylene Chloride

Concen: 1.897 ug/l

RT: 3.75 min Scan# 257

Delta R.T. 0.02 min

Lab File: VD060705.D

Acq: 22 Dec 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

S-2(5)

Tgt Ion: 84 Resp: 33442

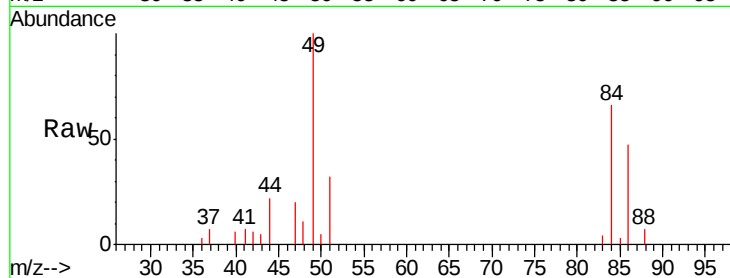
Ion Ratio Lower Upper

84 100

49 151.8 113.6 170.4

51 48.7 34.7 52.1

86 71.7 52.8 79.2

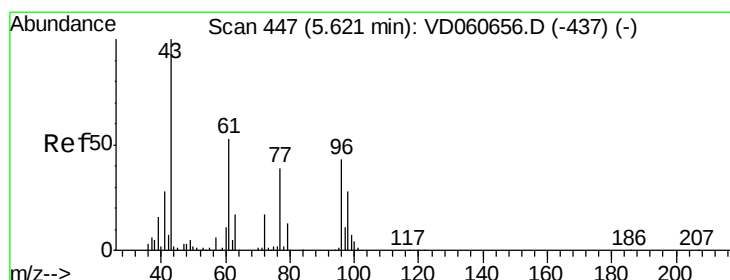
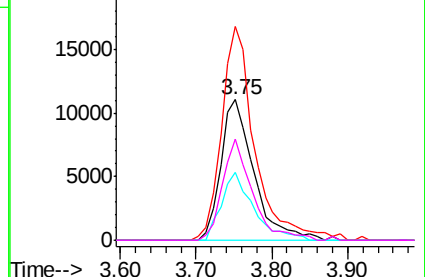
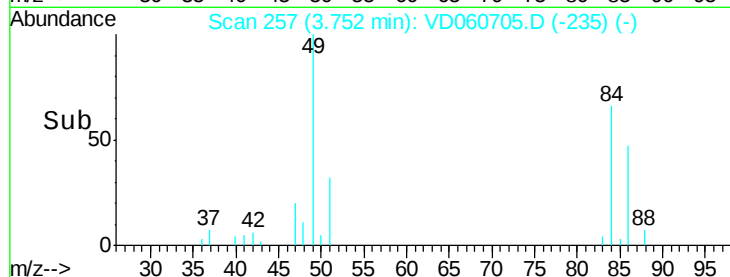


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#25

2-Butanone

Concen: 18.559 ug/l

RT: 5.67 min Scan# 452

Delta R.T. 0.05 min

Lab File: VD060705.D

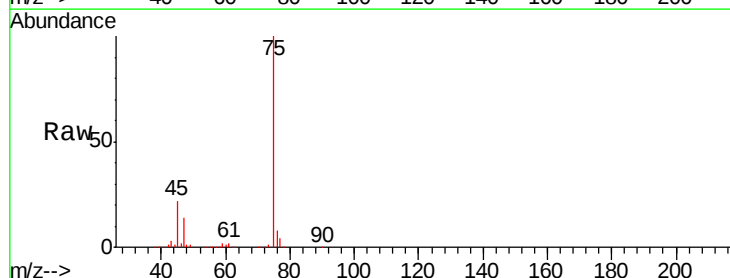
Acq: 22 Dec 2018 13:34

Tgt Ion: 43 Resp: 60288

Ion Ratio Lower Upper

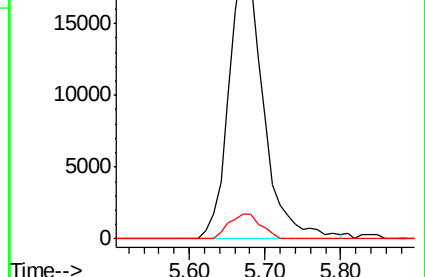
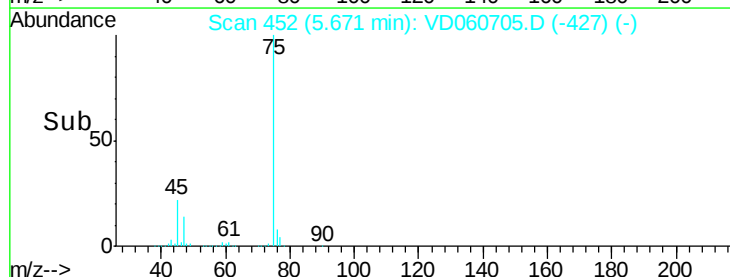
43 100

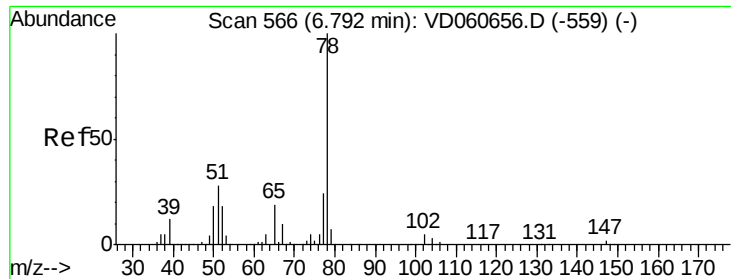
72 8.7 13.7 20.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.81 min Scan# 568

Delta R.T. 0.02 min

Lab File: VD060705.D

Acq: 22 Dec 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

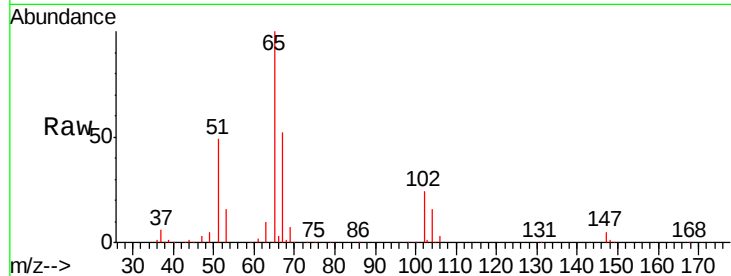
S-2(5)

Tgt Ion: 65 Resp: 455904

Ion Ratio Lower Upper

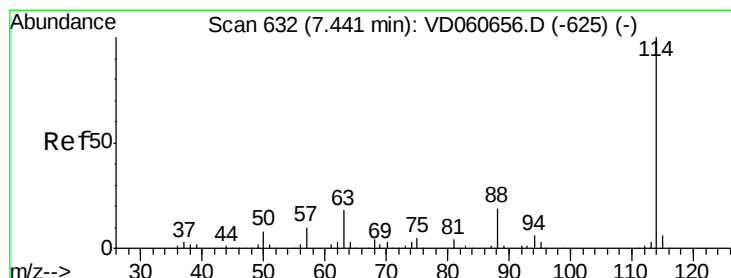
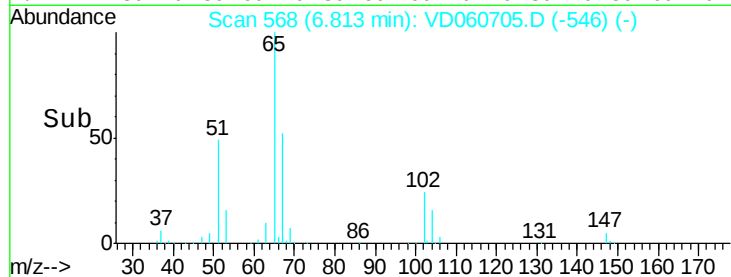
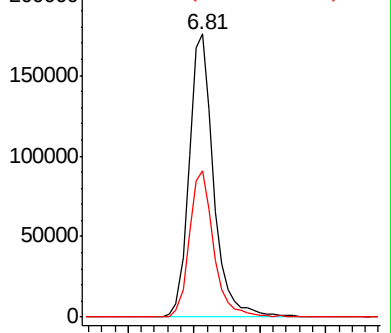
65 100

67 51.7 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.46 min Scan# 634

Delta R.T. 0.02 min

Lab File: VD060705.D

Acq: 22 Dec 2018 13:34

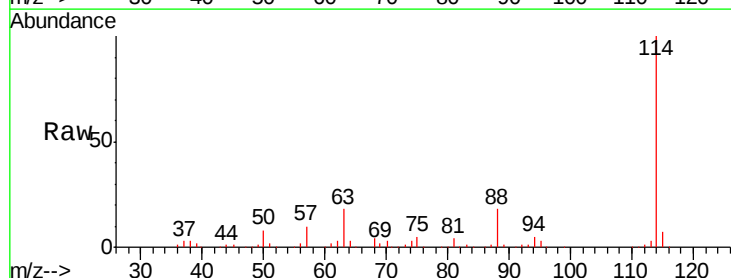
Tgt Ion: 114 Resp: 1955399

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.2

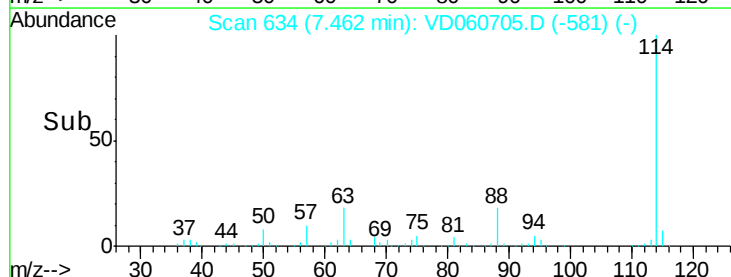
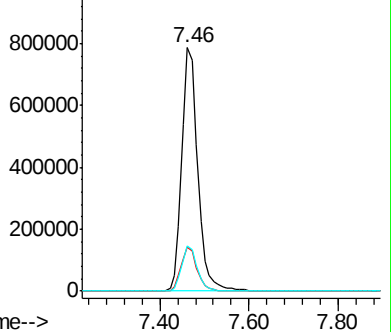
88 18.5 0.0 37.0

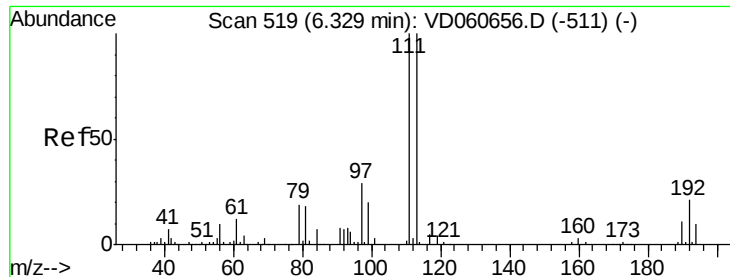


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.35 min Scan# 521

Delta R.T. 0.02 min

Lab File: VD060705.D

Acq: 22 Dec 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

S-2(5)

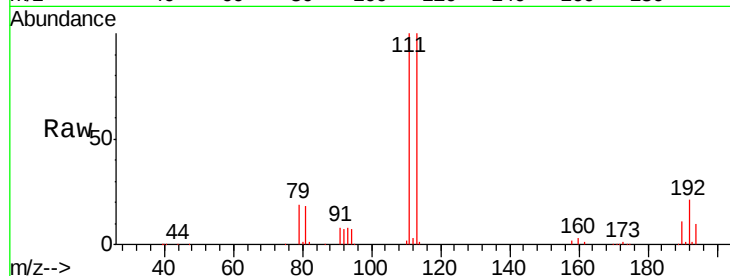
Tgt Ion:113 Resp: 625486

Ion Ratio Lower Upper

113 100

111 99.9 80.0 120.0

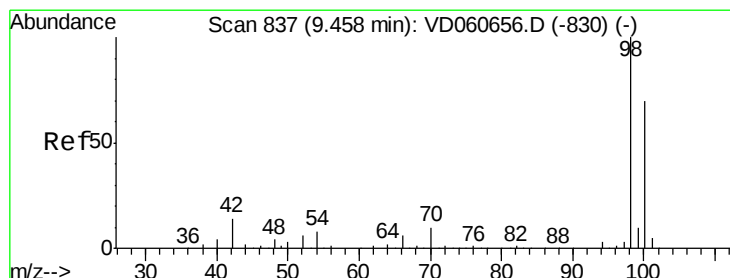
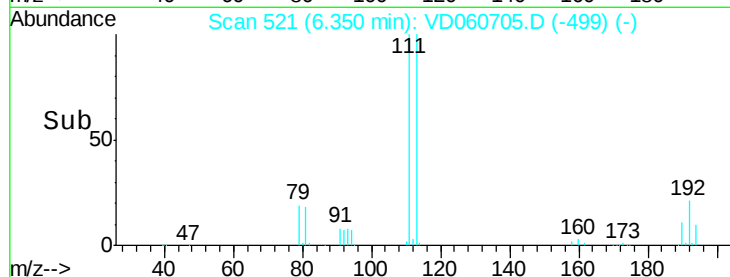
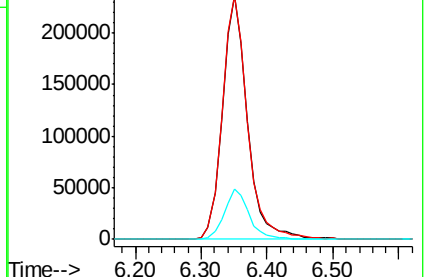
192 20.6 16.6 25.0



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: N.D. ug/l

RT: 9.48 min Scan# 839

Delta R.T. 0.02 min

Lab File: VD060705.D

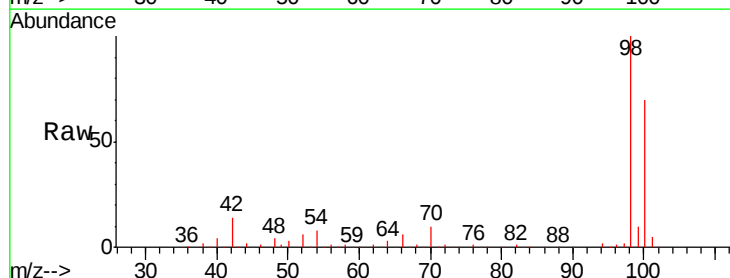
Acq: 22 Dec 2018 13:34

Tgt Ion: 98 Resp: 1580350

Ion Ratio Lower Upper

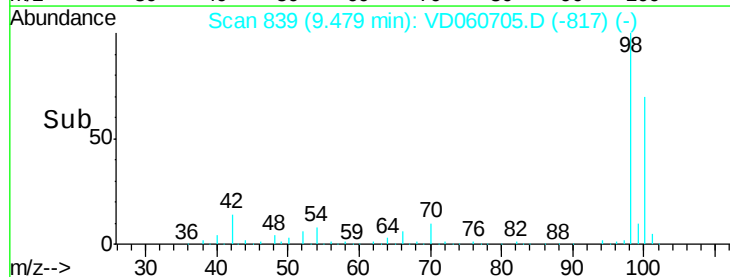
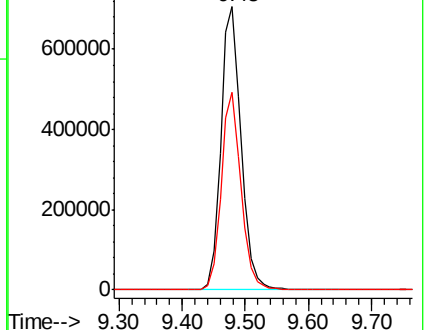
98 100

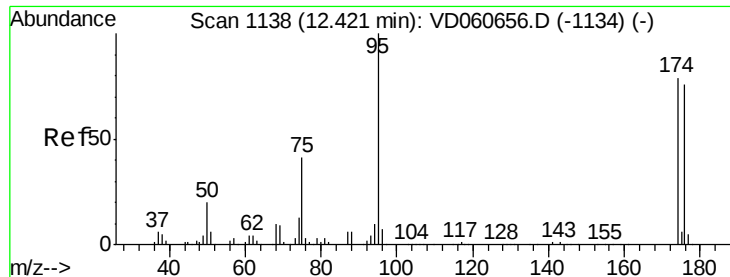
100 70.0 55.8 83.8



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: 12.44 min Scan# 1140

Delta R.T. 0.02 min

Lab File: VD060705.D

Acq: 22 Dec 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

S-2(5)

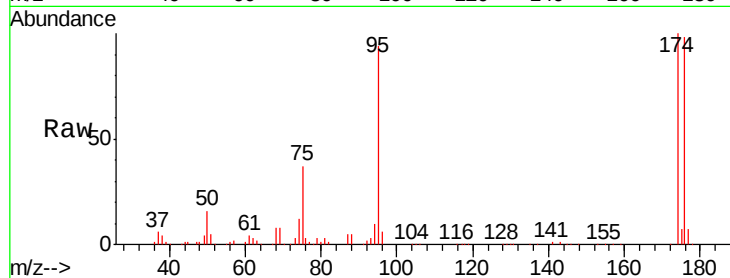
Tgt Ion: 95 Resp: 437767

Ion Ratio Lower Upper

95 100

174 106.6 0.0 158.2

176 104.0 0.0 152.4



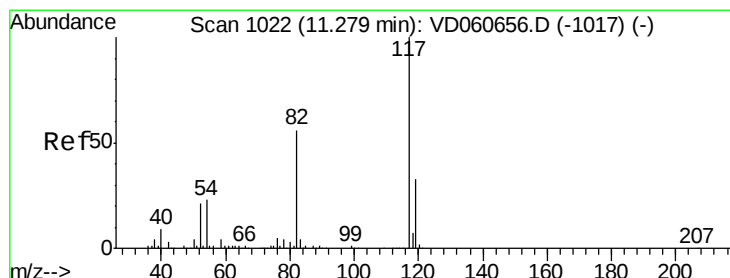
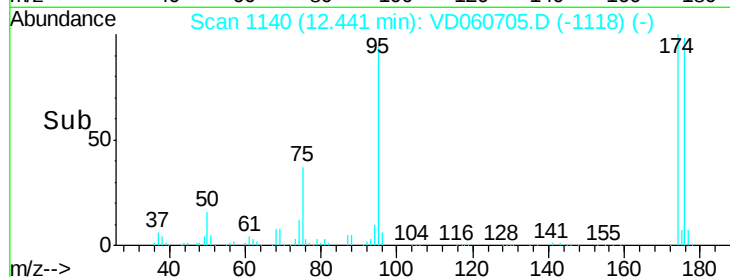
Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

12.44

Time--> 12.30 12.40 12.50 12.60



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.30 min Scan# 1024

Delta R.T. 0.02 min

Lab File: VD060705.D

Acq: 22 Dec 2018 13:34

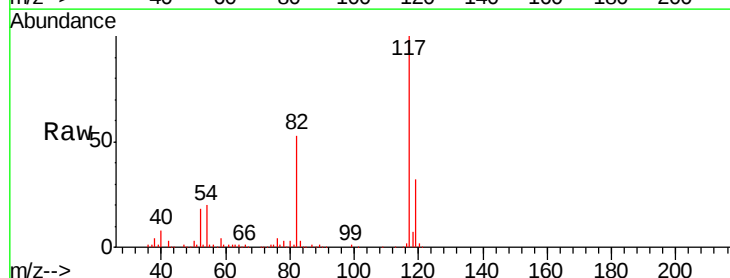
Tgt Ion: 117 Resp: 1358722

Ion Ratio Lower Upper

117 100

82 52.7 44.5 66.7

119 32.3 26.3 39.5



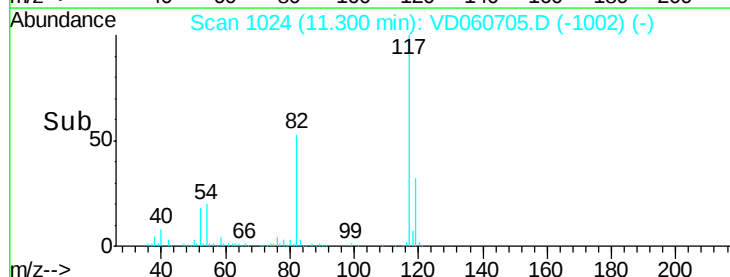
Abundance Ion 116.95 (116.65 to 117.65): V

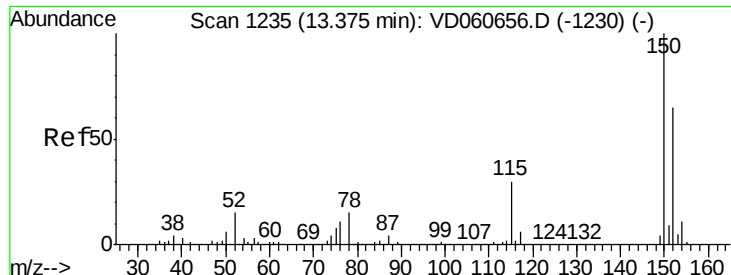
Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

11.30

Time--> 11.20 11.30 11.40

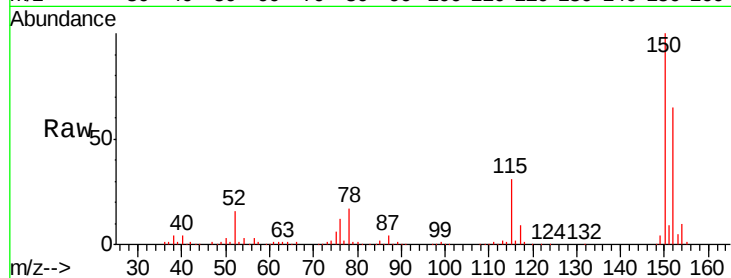




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.39 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VD060705.D
 Acq: 22 Dec 2018 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 S-2(5)

Tgt Ion	Ratio	Lower	Upper
152	100		
115	47.4	24.1	72.3
150	153.6	0.0	315.0



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

