

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022719\
 Data File : VF061769.D
 Acq On : 27 Feb 2019 16:35
 Operator : VA/AP
 Sample : K1645-07
 Misc : 4.44g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Feb 28 00:31:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	339074	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	538702	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	464506	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	276916	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	106831	42.96	ug/l	-0.03
Spiked Amount			Recovery	=	85.92%	
35) Dibromofluoromethane	4.10	113	163534	40.88	ug/l	-0.02
Spiked Amount			Recovery	=	81.76%	
50) Toluene-d8	7.54	98	435966	37.91	ug/l	-0.02
Spiked Amount			Recovery	=	75.82%	
62) 4-Bromofluorobenzene	11.40	95	198717	42.71	ug/l	-0.02
Spiked Amount			Recovery	=	85.42%	

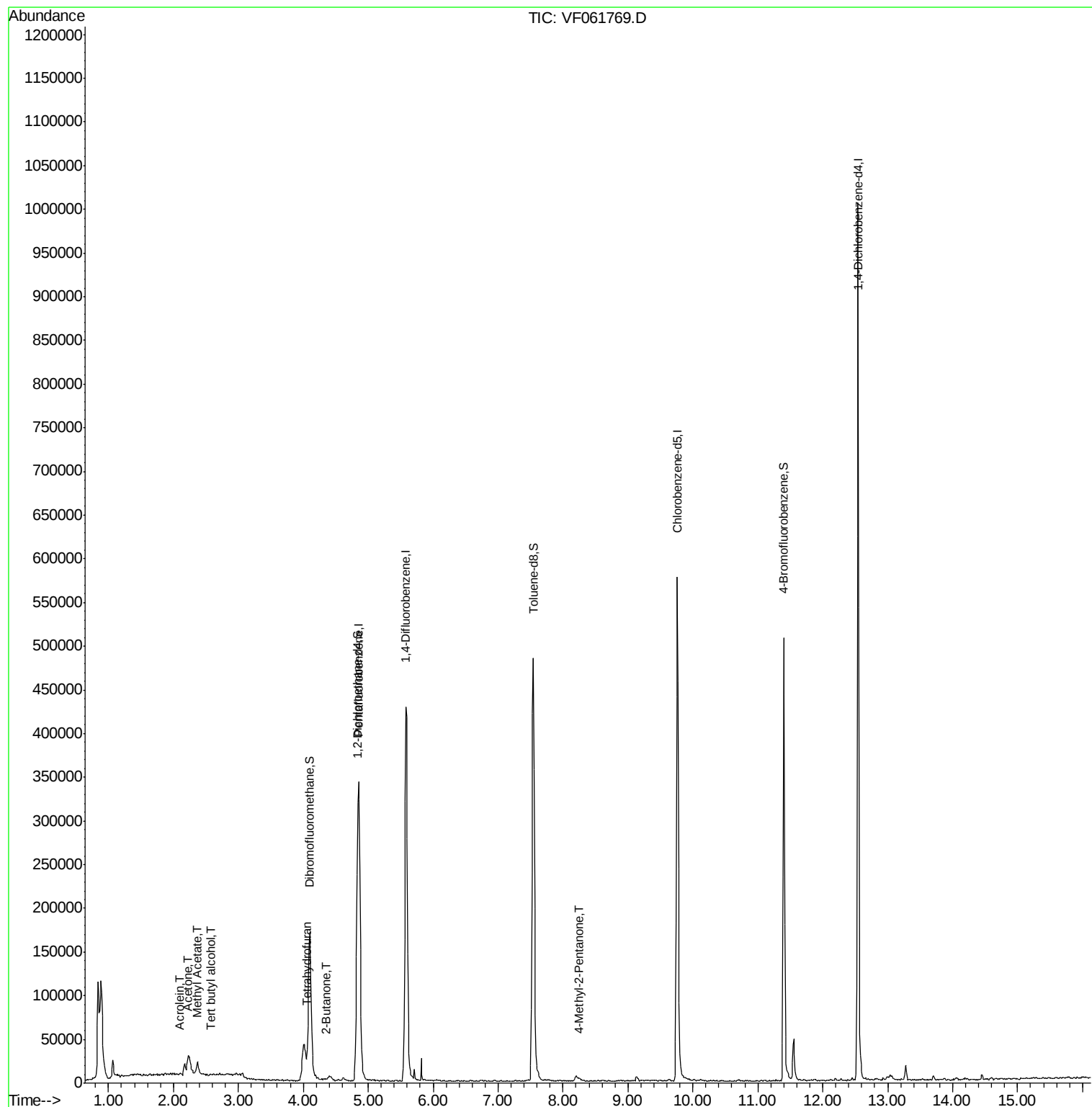
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	553	3.843	ug/l #	1
13) Acrolein	2.08	56	993	5.490	ug/l #	54
16) Acetone	2.23	43	16477	30.885	ug/l #	83
18) Methyl Acetate	2.38	43	10231	8.513	ug/l #	71
20) Methylene Chloride	2.18	84	6379	Below Cal		90
25) 2-Butanone	4.35	43	2216	1.902	ug/l #	55
29) Tetrahydrofuran	4.05	42	2037	3.846	ug/l #	50
51) 4-Methyl-2-Pentanone	8.25	43	2620	1.250	ug/l #	59

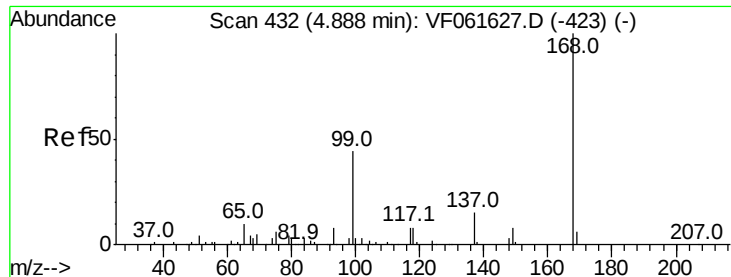
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.03 min

Lab File: VF061769.D

Acq: 27 Feb 2019 16:35

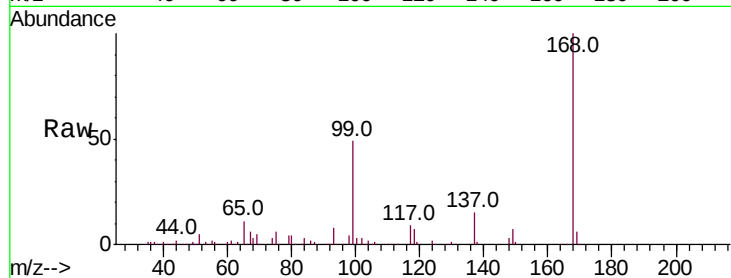
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 339074

Ion Ratio Lower Upper

168 100

99 48.7 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

120000

100000

80000

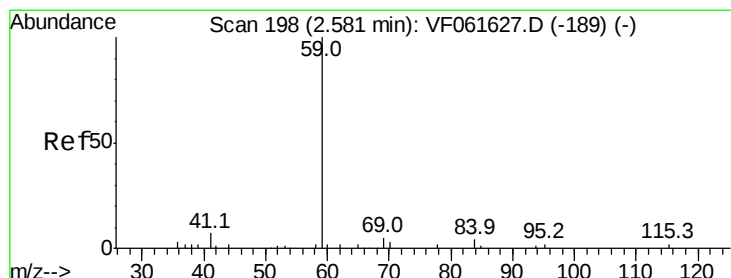
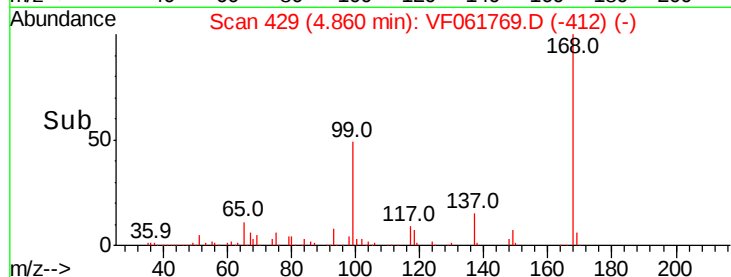
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.843 ug/l

RT: 2.57 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF061769.D

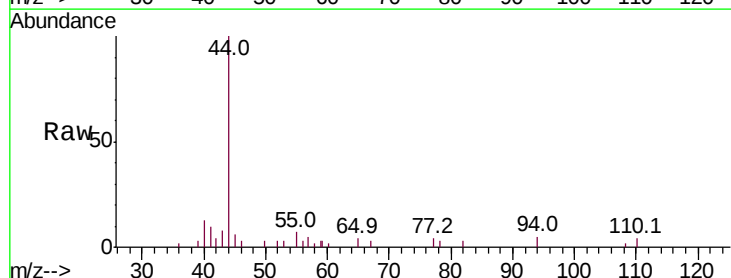
Acq: 27 Feb 2019 16:35

Tgt Ion: 59 Resp: 553

Ion Ratio Lower Upper

59 100

57 74.7 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.57

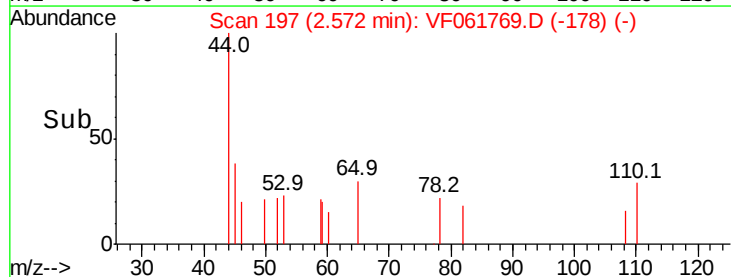
300

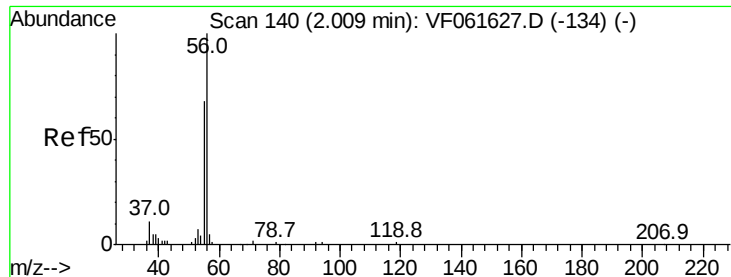
200

100

0

Time-->

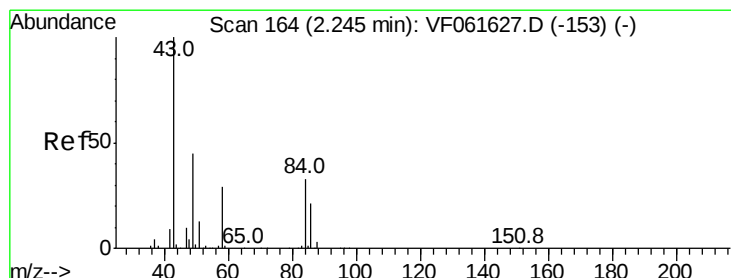
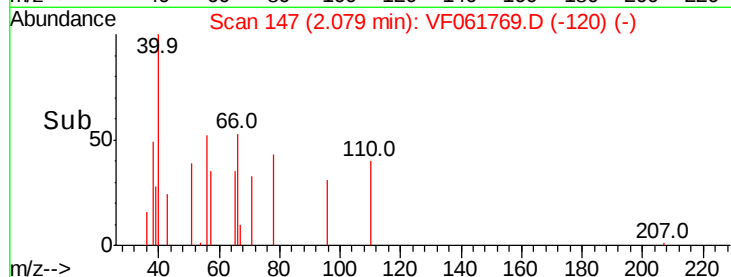
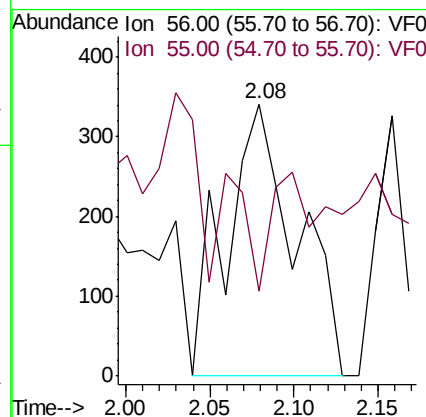
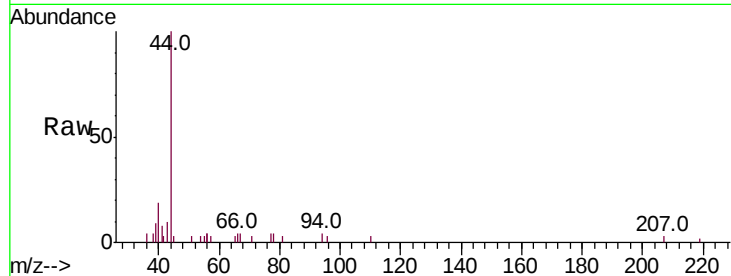




#13
Acrolein
Concen: 5.490 ug/l
RT: 2.08 min Scan# 147
Delta R.T. 0.07 min
Lab File: VF061769.D
Acq: 27 Feb 2019 16:35

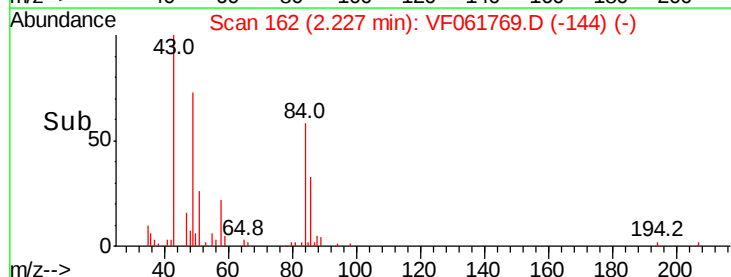
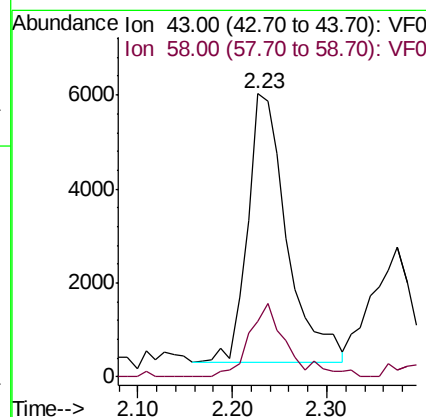
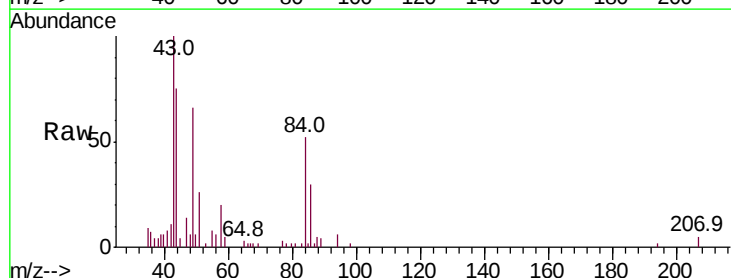
Instrument :
MSVOA_F
ClientSampleId :

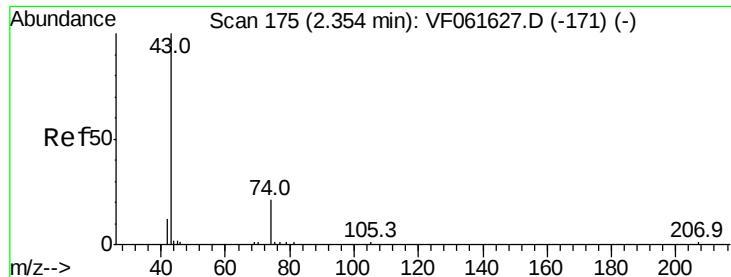
Tot Ion: 56 Resp: 993
Ion Ratio Lower Upper
56 100
55 31.4 55.0 82.6#



#16
Acetone
Concen: 30.885 ug/l
RT: 2.23 min Scan# 162
Delta R.T. -0.02 min
Lab File: VF061769.D
Acq: 27 Feb 2019 16:35

Tgt Ion: 43 Resp: 16477
Ion Ratio Lower Upper
43 100
58 19.7 22.9 34.3#

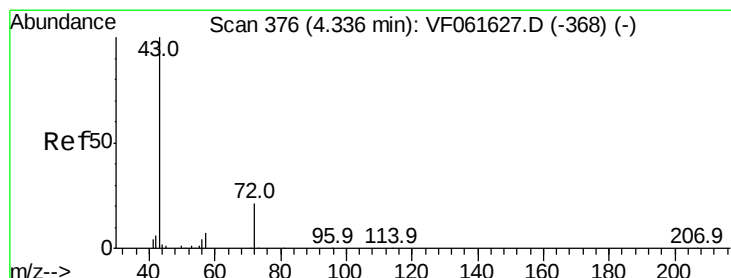
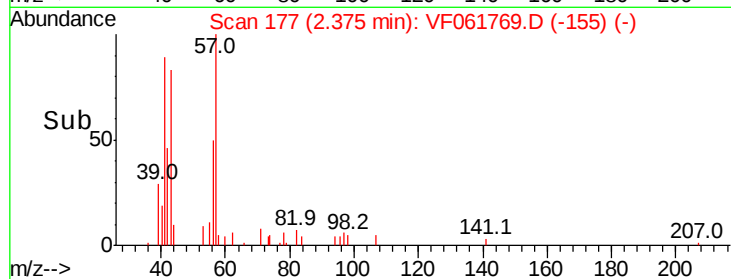
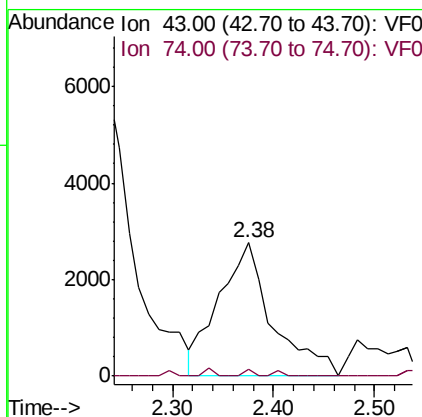
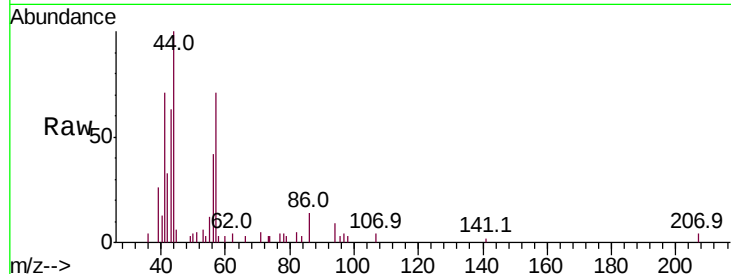




#18
Methyl Acetate
Concen: 8.513 ug/l
RT: 2.38 min Scan# 177
Delta R.T. 0.02 min
Lab File: VF061769.D
Acq: 27 Feb 2019 16:35

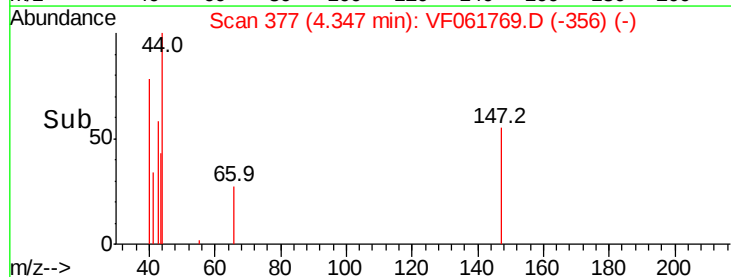
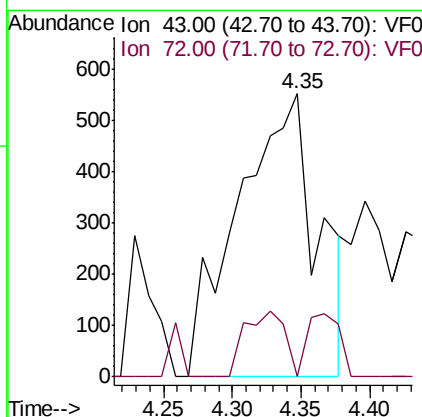
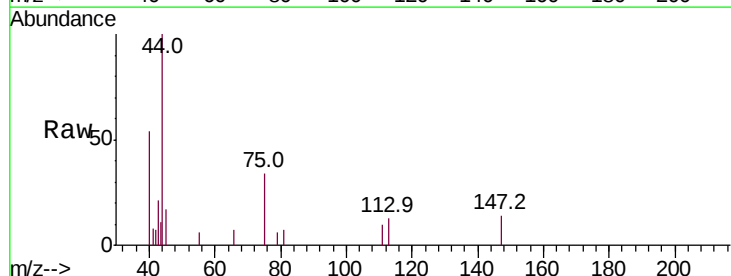
Instrument :
MSVOA_F
ClientSampleId :

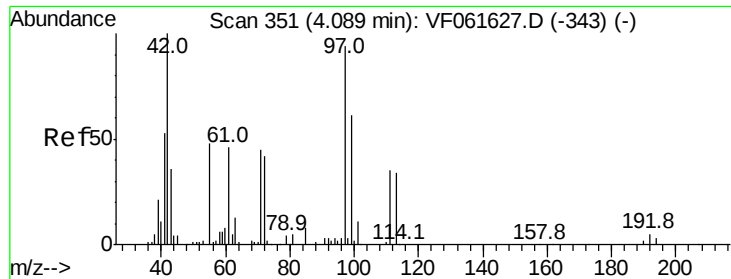
Tot Ion: 43 Resp: 10231
Ion Ratio Lower Upper
43 100
74 5.3 14.6 21.8#



#25
2-Butanone
Concen: 1.902 ug/l
RT: 4.35 min Scan# 377
Delta R.T. 0.01 min
Lab File: VF061769.D
Acq: 27 Feb 2019 16:35

Tgt Ion: 43 Resp: 2216
Ion Ratio Lower Upper
43 100
72 0.0 17.1 25.7#





#29

Tetrahydrofuran

Concen: 3.846 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.04 min

Lab File: VF061769.D

Acq: 27 Feb 2019 16:35

Instrument :
MSVOA_F
ClientSampleId :

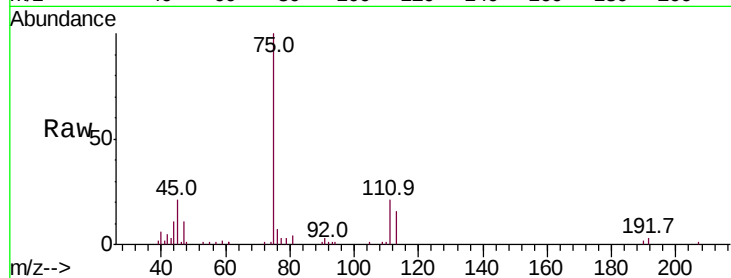
Tot Ion: 42 Resp: 2037

Ion Ratio Lower Upper

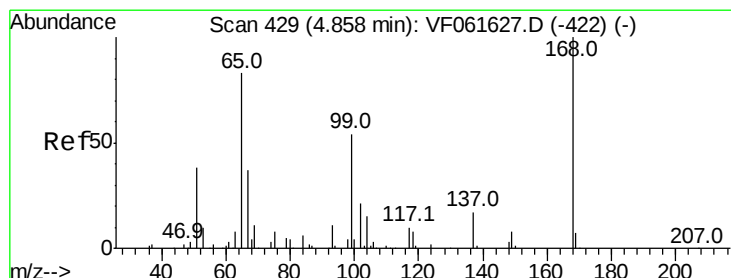
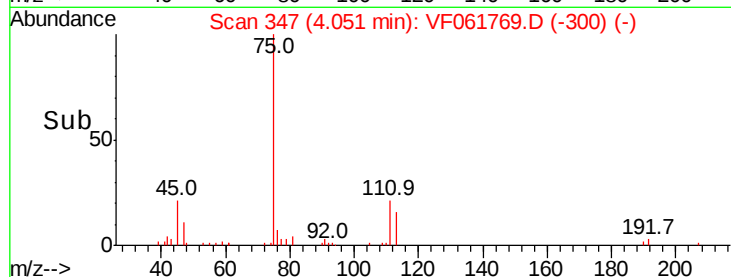
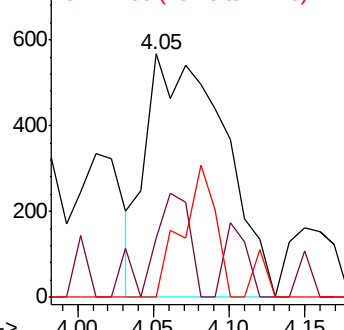
42 100

72 20.8 35.2 52.8#

71 0.0 32.9 49.3#



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 42.965 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.03 min

Lab File: VF061769.D

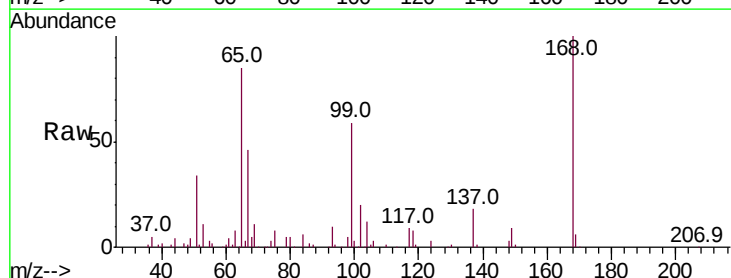
Acq: 27 Feb 2019 16:35

Tgt Ion: 65 Resp: 106831

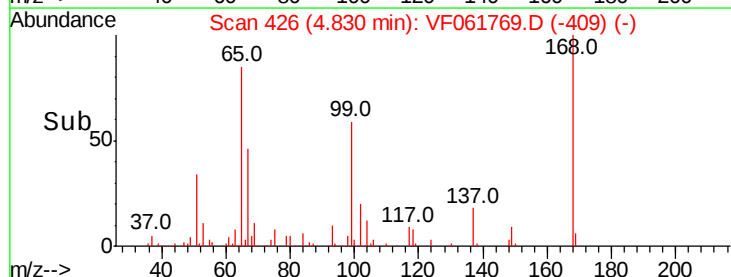
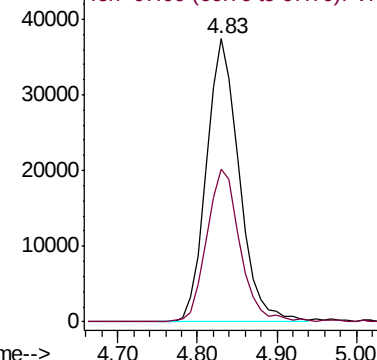
Ion Ratio Lower Upper

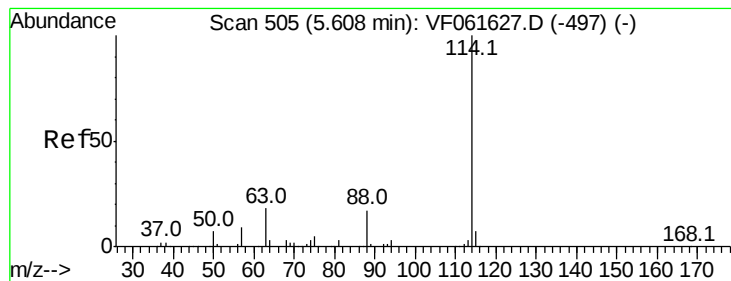
65 100

67 53.8 0.0 104.0



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.02 min

Lab File: VF061769.D

Acq: 27 Feb 2019 16:35

Instrument :
MSVOA_F
ClientSampled :

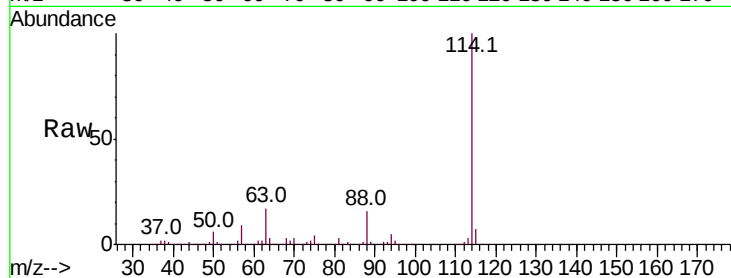
Tot Ion:114 Resp: 538702

Ion Ratio Lower Upper

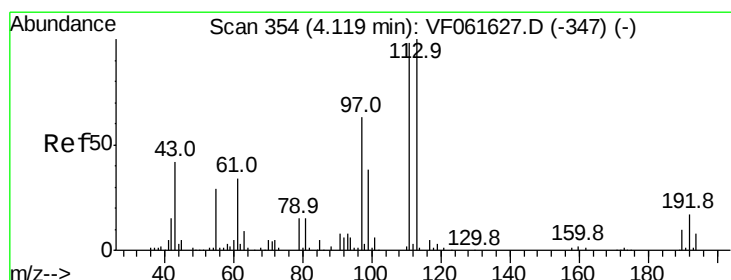
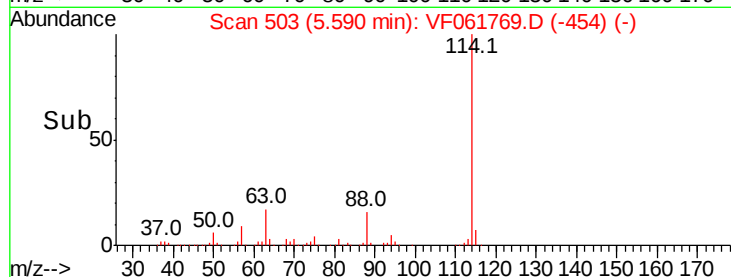
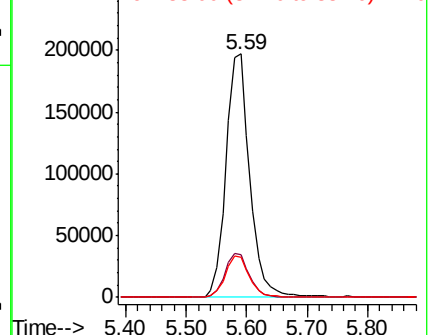
114 100

63 17.3 0.0 36.6

88 16.4 0.0 34.4



Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 40.879 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061769.D

Acq: 27 Feb 2019 16:35

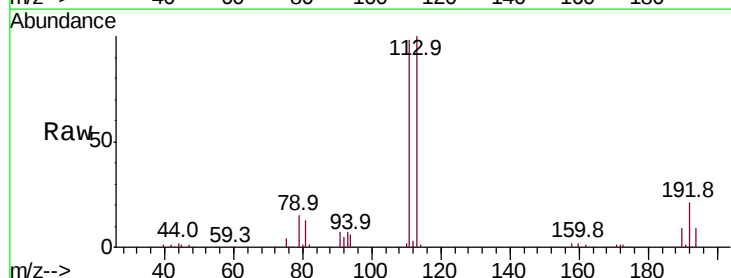
Tgt Ion:113 Resp: 163534

Ion Ratio Lower Upper

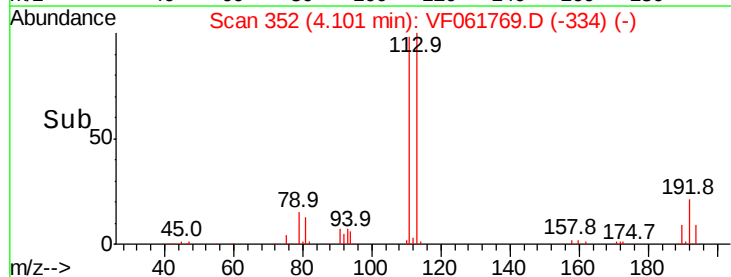
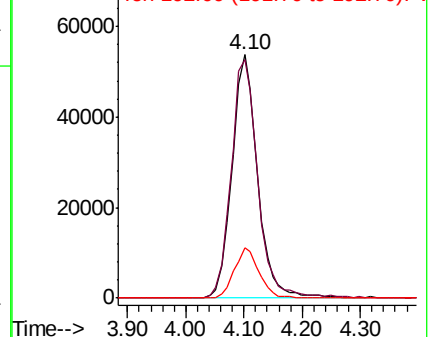
113 100

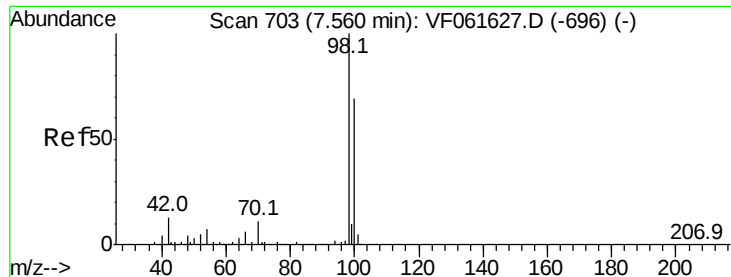
111 98.2 78.8 118.2

192 20.5 13.4 20.0#



Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

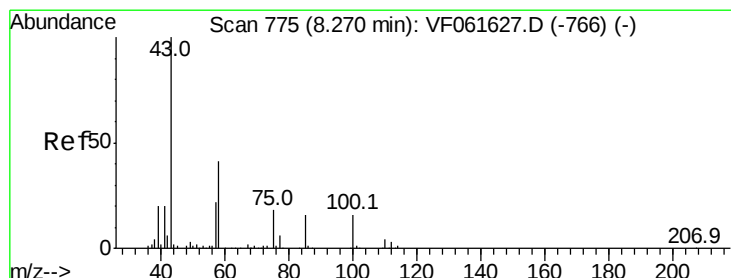
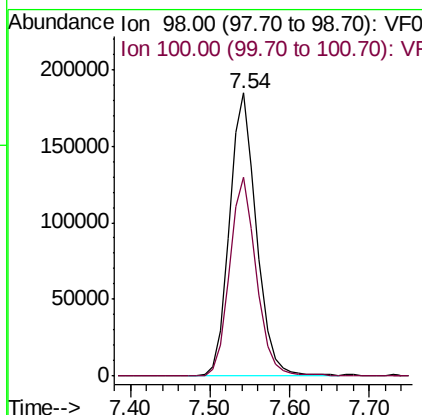
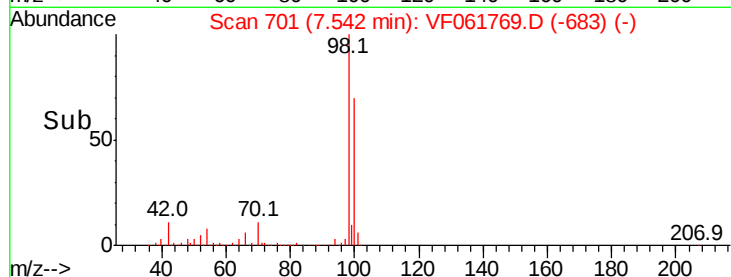
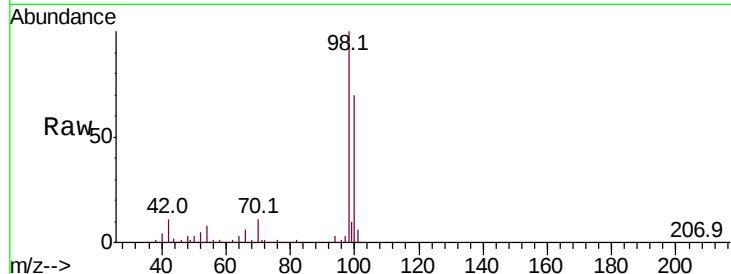




#50
Toluene-d8
Concen: 37.910 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061769.D
Acq: 27 Feb 2019 16:35

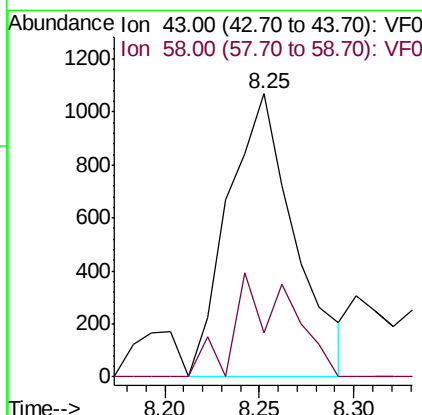
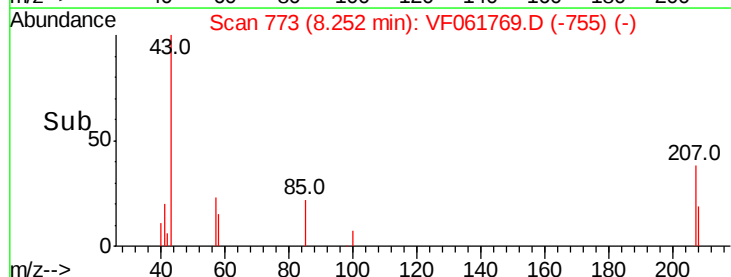
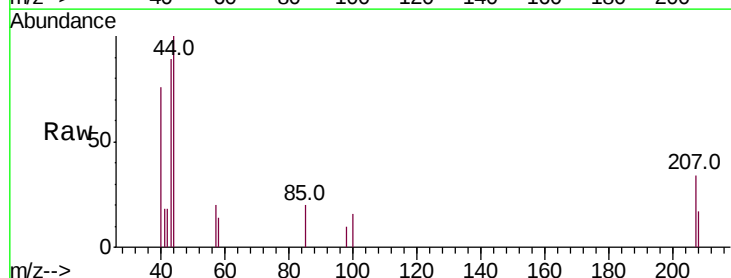
Instrument :
MSVOA_F
ClientSampled :

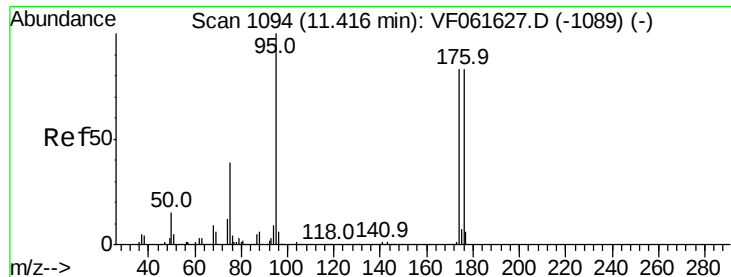
Tot Ion: 98 Resp: 435966
Ion Ratio Lower Upper
98 100
100 70.0 55.4 83.2



#51
4-Methyl-2-Pentanone
Concen: 1.250 ug/l
RT: 8.25 min Scan# 773
Delta R.T. -0.02 min
Lab File: VF061769.D
Acq: 27 Feb 2019 16:35

Tgt Ion: 43 Resp: 2620
Ion Ratio Lower Upper
43 100
58 15.4 33.1 49.7#





#62

4-Bromofluorobenzene

Concen: 42.706 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061769.D

Acq: 27 Feb 2019 16:35

Instrument :

MSVOA_F

ClientSampleId :

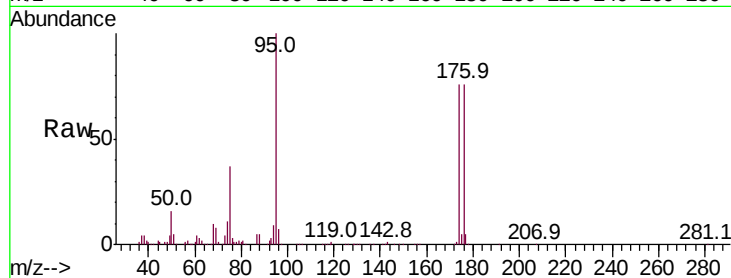
Tot Ion: 95 Resp: 198717

Ion Ratio Lower Upper

95 100

174 75.7 0.0 165.8

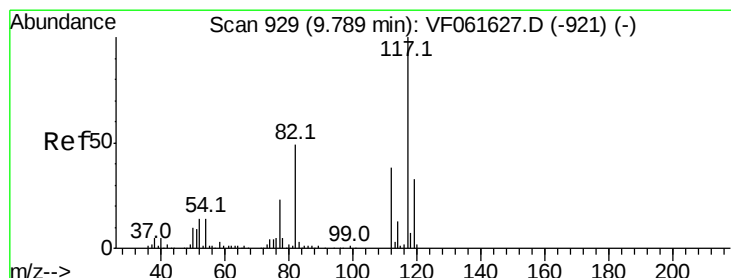
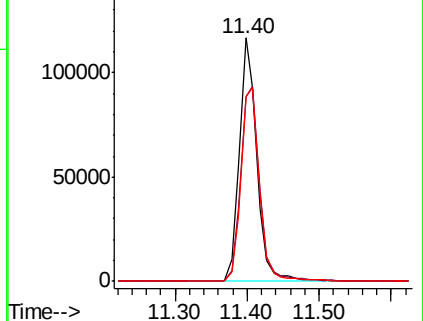
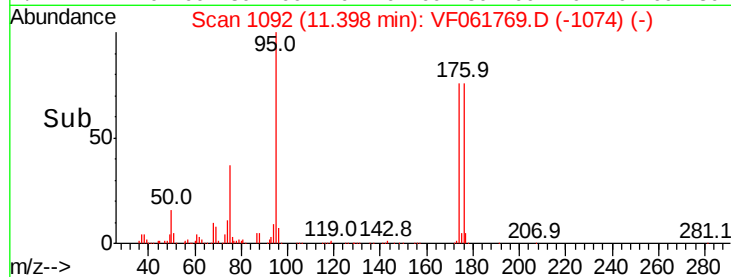
176 76.0 0.0 167.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.03 min

Lab File: VF061769.D

Acq: 27 Feb 2019 16:35

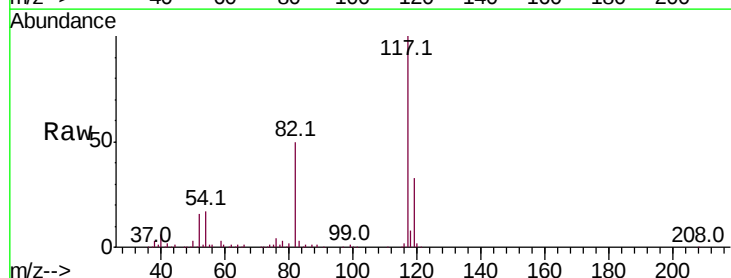
Tgt Ion: 117 Resp: 464506

Ion Ratio Lower Upper

117 100

82 49.8 39.3 58.9

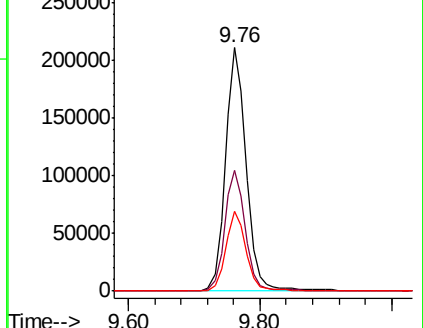
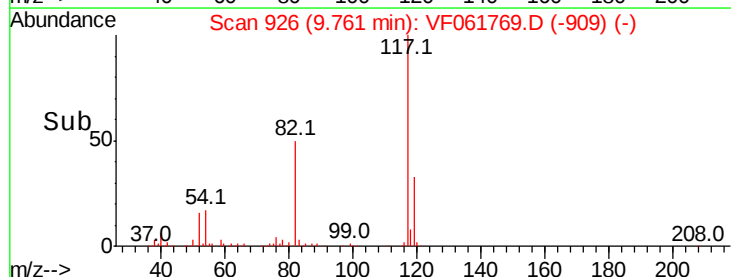
119 32.8 26.6 40.0

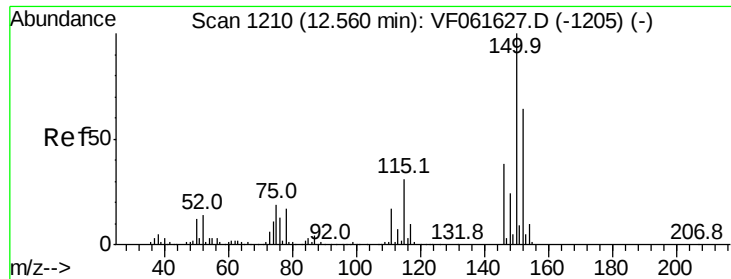


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.02 min

Lab File: VF061769.D

Acq: 27 Feb 2019 16:35

Instrument :

MSVOA_F

ClientSampleId :

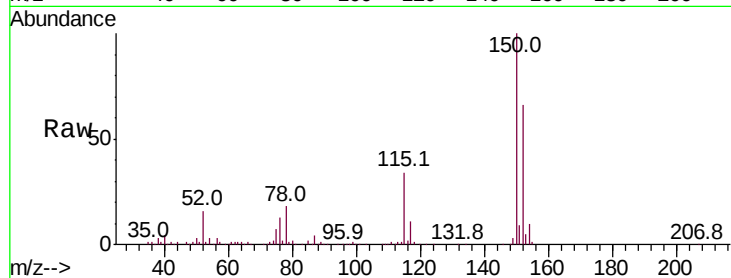
Tot Ion:152 Resp: 276916

Ion Ratio Lower Upper

152 100

115 51.6 24.3 72.8

150 152.4 0.0 312.0



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

