

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022719\
 Data File : VF061772.D
 Acq On : 27 Feb 2019 18:01
 Operator : VA/AP
 Sample : K1353-03
 Misc : 5.55g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-02-022619-B

Quant Time: Feb 28 01:13:18 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

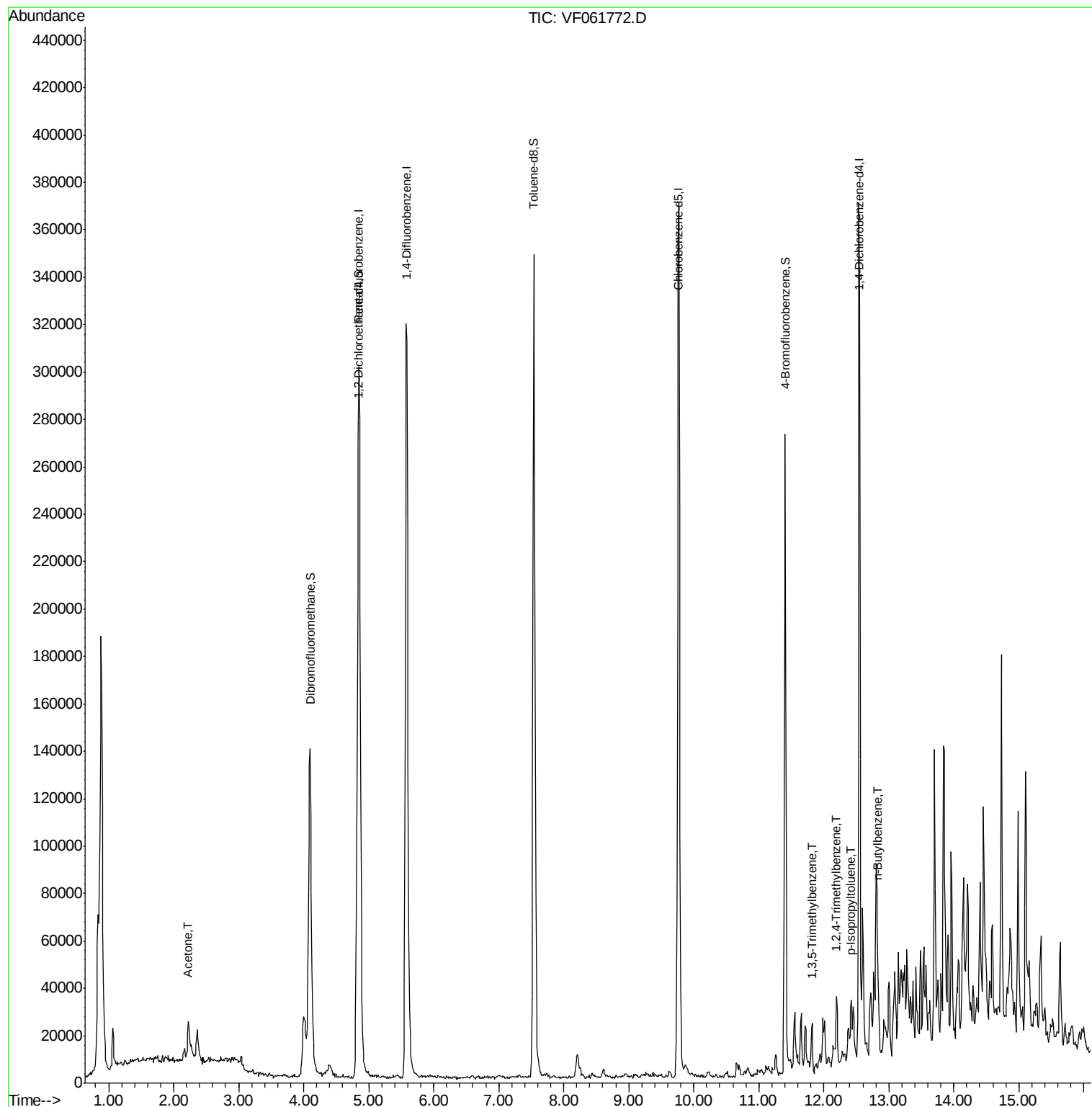
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	287251	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	422254	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	309510	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.55	152	101715	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	93083	44.19	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	88.38%	
35) Dibromofluoromethane	4.10	113	136748	43.61	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	87.22%	
50) Toluene-d8	7.54	98	312148	34.63	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	69.26%	
62) 4-Bromofluorobenzene	11.41	95	102347	28.06	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	56.12%	
Target Compounds						
16) Acetone	2.23	43	18706	41.389	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	9558	1.651	ug/l	91
84) 1,2,4-Trimethylbenzene	12.19	105	6791	1.181	ug/l	80
86) p-Isopropyltoluene	12.42	119	12829	1.844	ug/l	96
89) n-Butylbenzene	12.84	91	7246	1.103	ug/l #	74

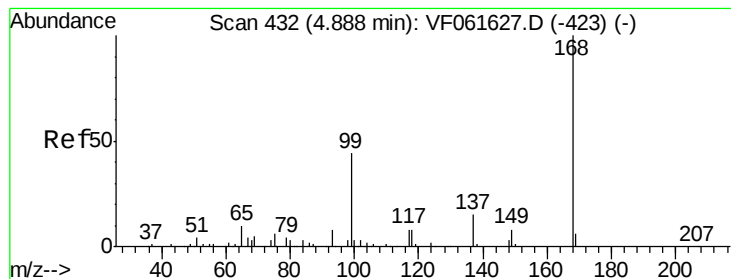
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022719\
Data File : VF061772.D
Acq On : 27 Feb 2019 18:01
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Quant Time: Feb 28 01:13:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
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: VF061772.D

Acq: 27 Feb 2019 18:01

Instrument :

MSVOA_F

ClientSampleId :

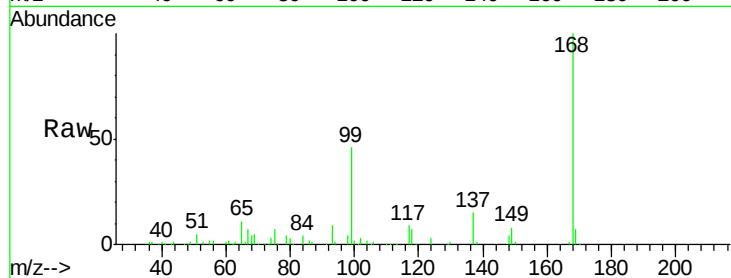
PL-02-022619-B

Tot Ion:168 Resp: 287251

Ion Ratio Lower Upper

168 100

99 45.7 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

100000

80000

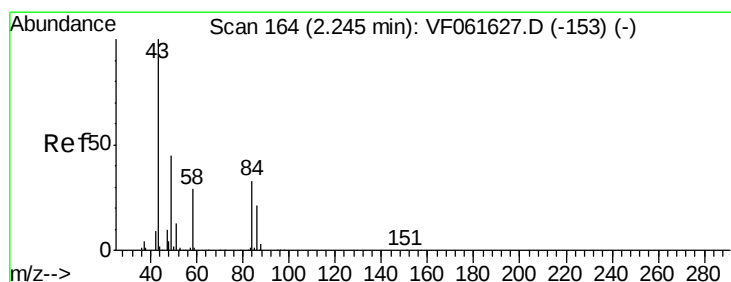
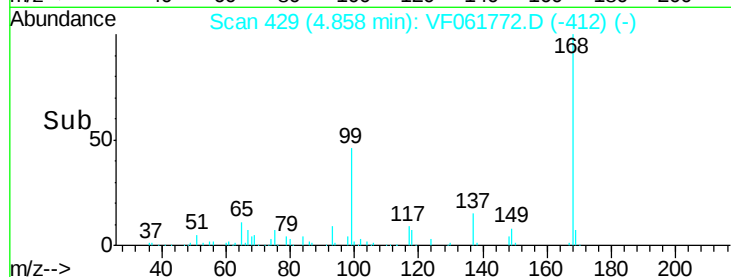
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 41.389 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF061772.D

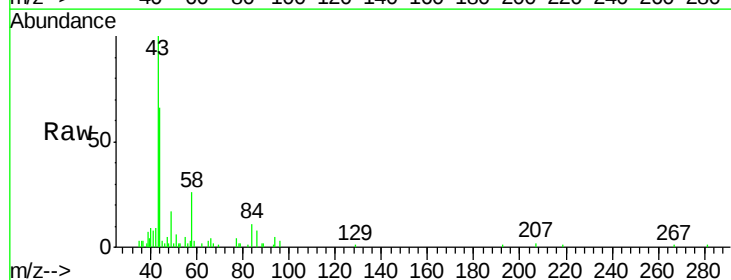
Acq: 27 Feb 2019 18:01

Tgt Ion: 43 Resp: 18706

Ion Ratio Lower Upper

43 100

58 26.4 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.23

8000

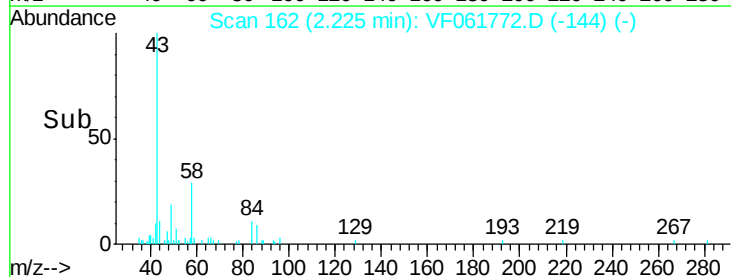
6000

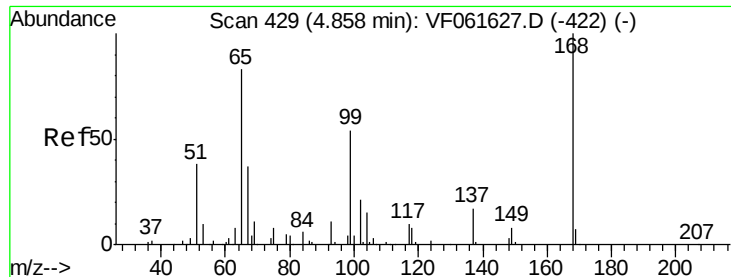
4000

2000

0

Time-->

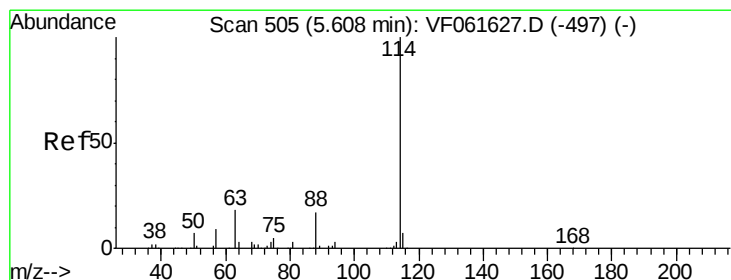
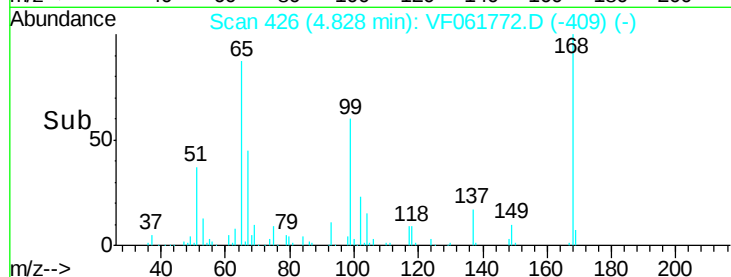
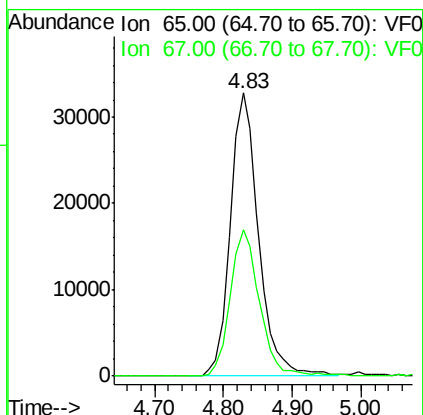
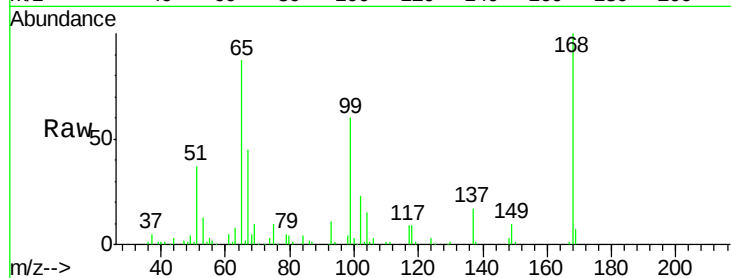




#33
 1,2-Dichloroethane-d4
 Concen: 44.189 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.03 min
 Lab File: VF061772.D
 Acq: 27 Feb 2019 18:01

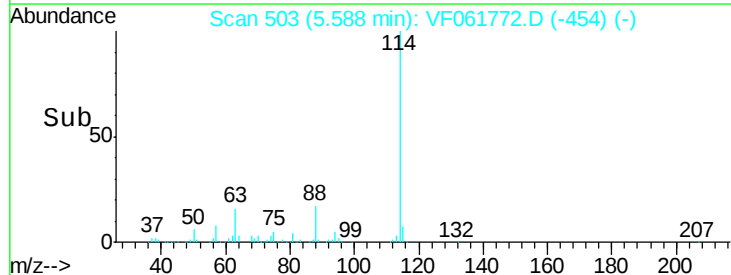
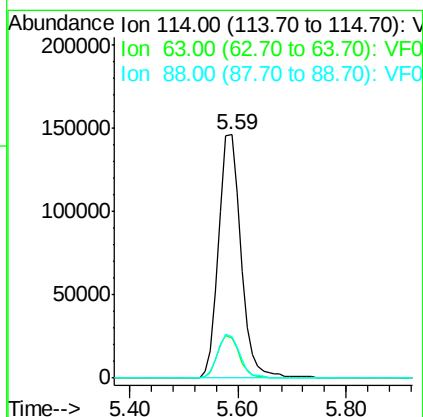
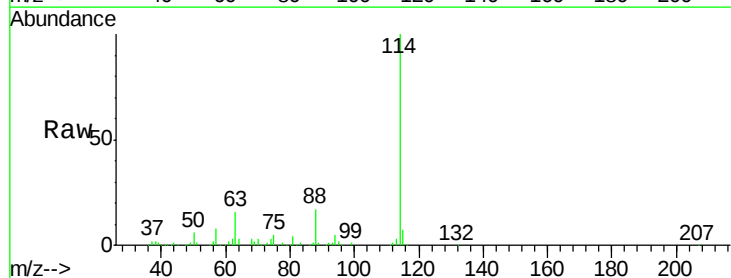
Instrument :
 MSVOA_F
 ClientSampleId :
 PL-02-022619-B

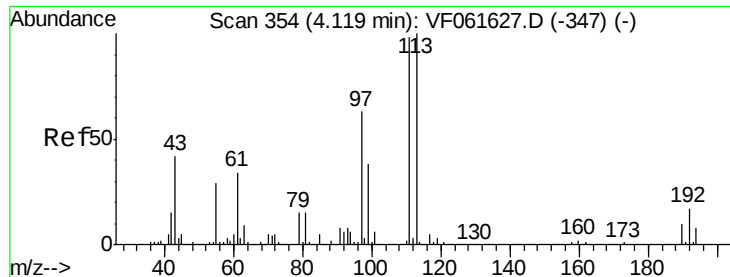
Tot Ion: 65 Resp: 93083
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: VF061772.D
 Acq: 27 Feb 2019 18:01

Tgt Ion: 114 Resp: 422254
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 36.6
 88 17.0 0.0 34.4

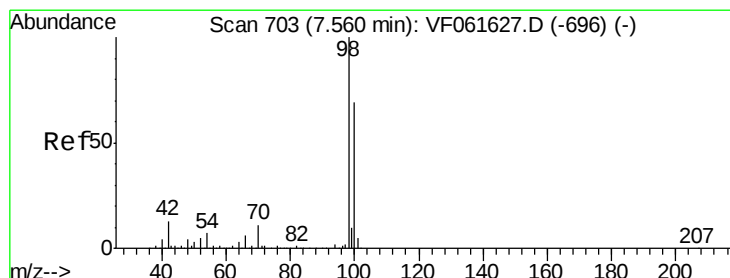
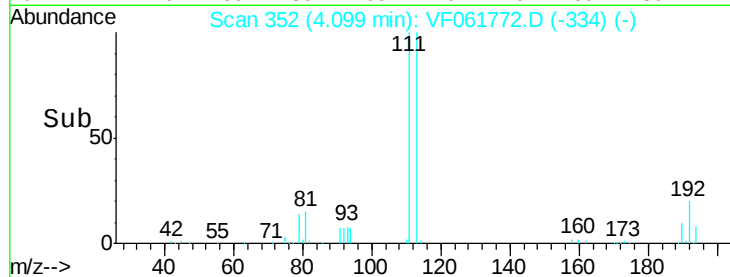
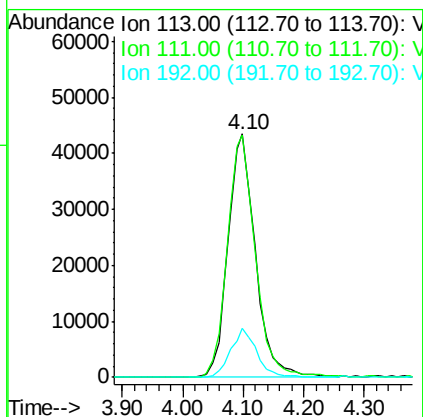
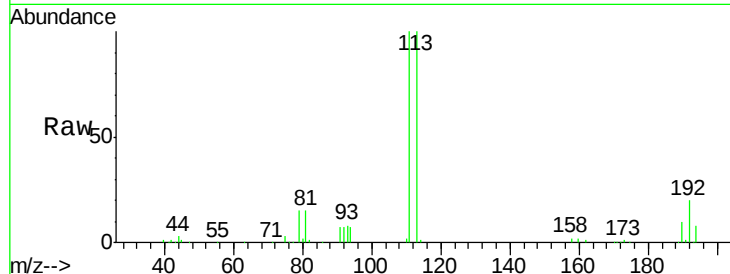




#35
 Dibromofluoromethane
 Concen: 43.610 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: VF061772.D
 Acq: 27 Feb 2019 18:01

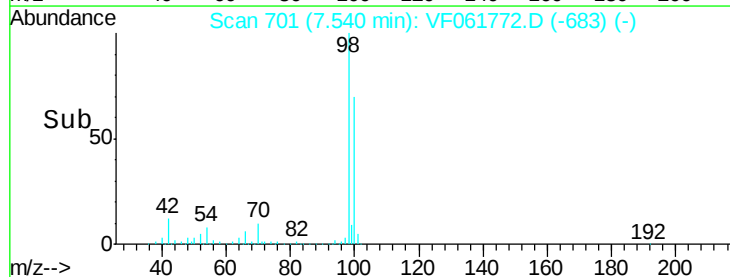
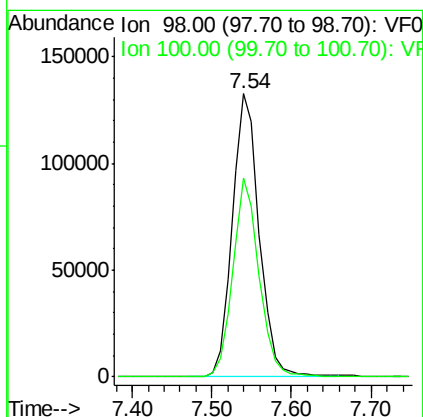
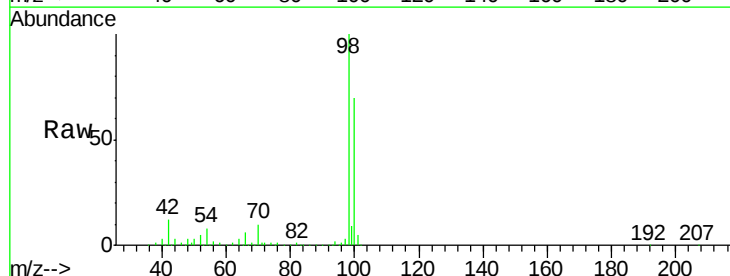
Instrument :
 MSVOA_F
 ClientSampleId :
 PL-02-022619-B

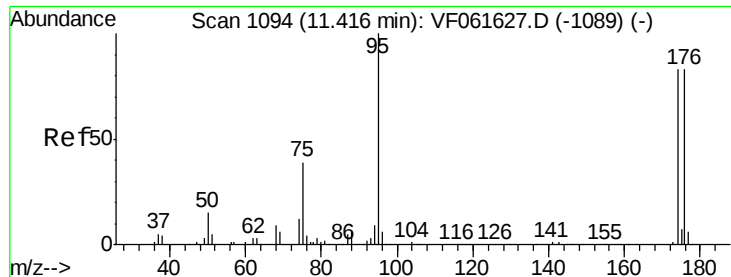
Tot Ion:113 Resp: 136748
 Ion Ratio Lower Upper
 113 100
 111 99.5 78.8 118.2
 192 20.2 13.4 20.0#



#50
 Toluene-d8
 Concen: 34.628 ug/l
 RT: 7.54 min Scan# 701
 Delta R.T. -0.02 min
 Lab File: VF061772.D
 Acq: 27 Feb 2019 18:01

Tgt Ion: 98 Resp: 312148
 Ion Ratio Lower Upper
 98 100
 100 70.3 55.4 83.2





#62

4-Bromofluorobenzene

Concen: 28.061 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061772.D

Acq: 27 Feb 2019 18:01

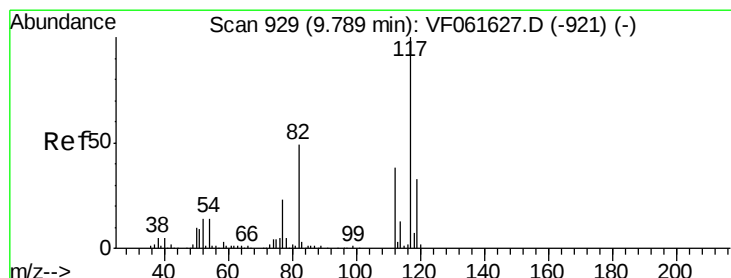
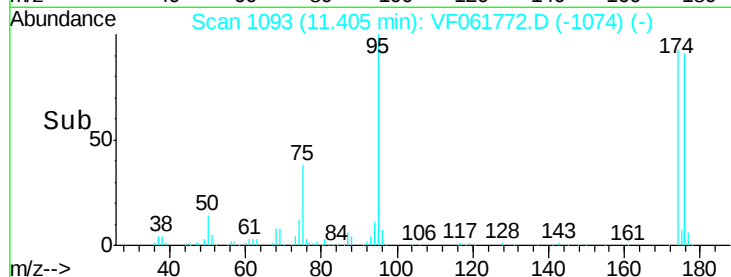
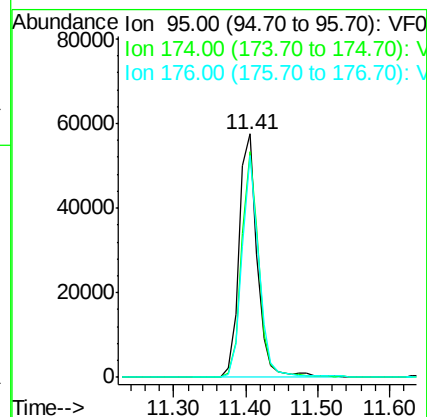
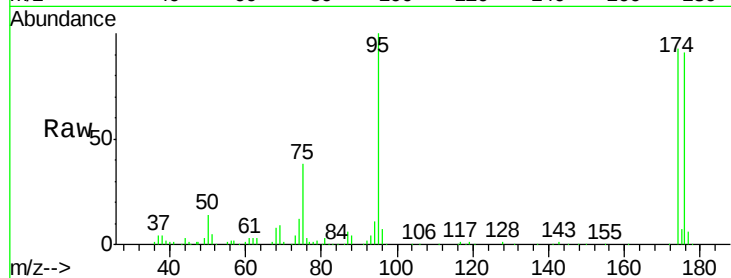
Instrument :

MSVOA_F

ClientSampleId :

PL-02-022619-B

Tot Ion:	95	Resp:	102347
Ion	Ratio	Lower	Upper
95	100		
174	92.8	0.0	165.8
176	91.2	0.0	167.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

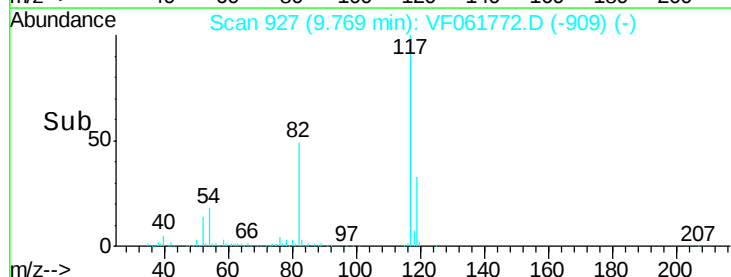
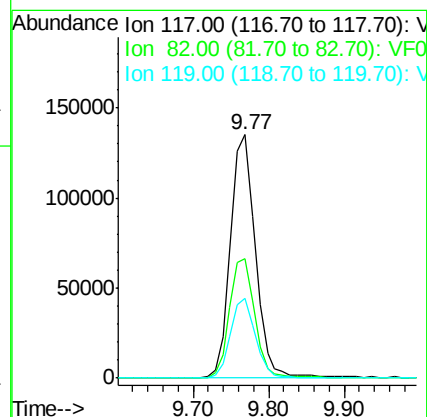
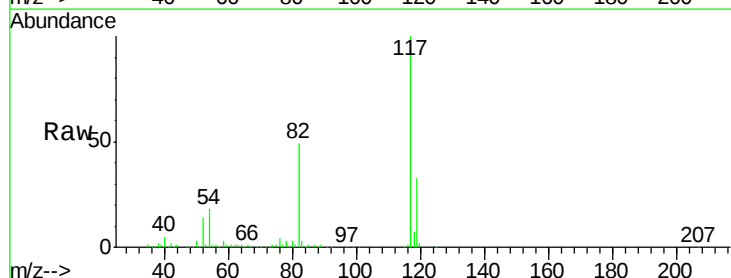
RT: 9.77 min Scan# 927

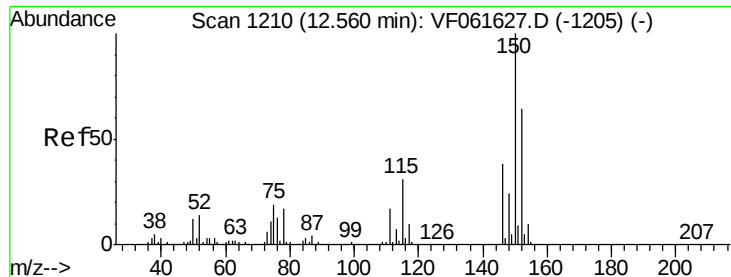
Delta R.T. -0.02 min

Lab File: VF061772.D

Acq: 27 Feb 2019 18:01

Tgt Ion:	117	Resp:	309510
Ion	Ratio	Lower	Upper
117	100		
82	48.9	39.3	58.9
119	32.6	26.6	40.0



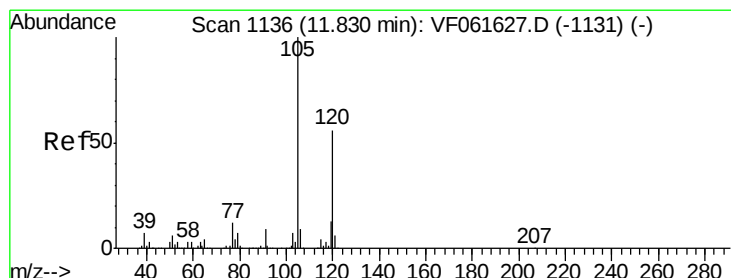
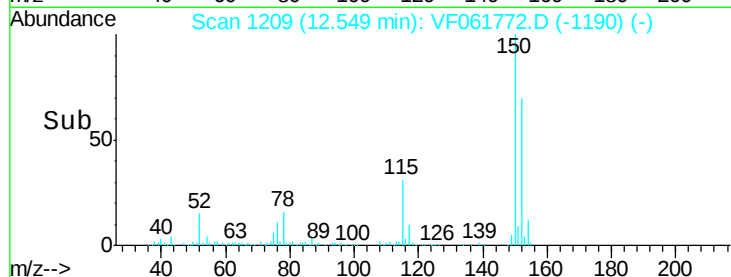
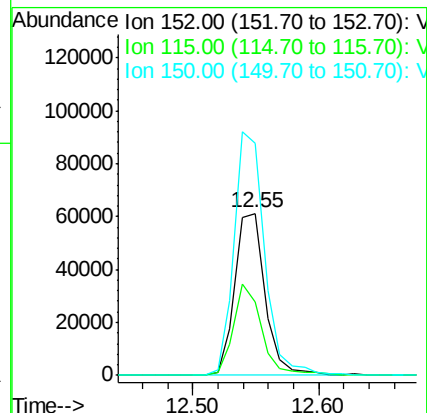
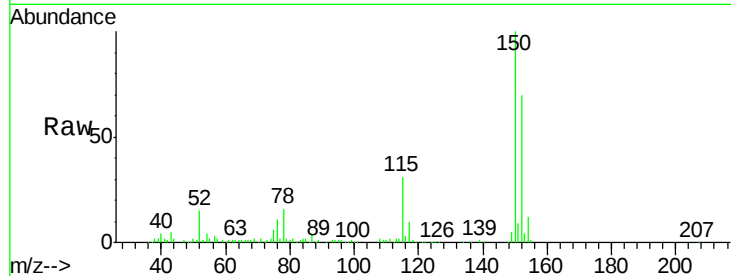


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF061772.D
Acq: 27 Feb 2019 18:01

Instrument :
MSVOA_F
ClientSampleId :
PL-02-022619-B

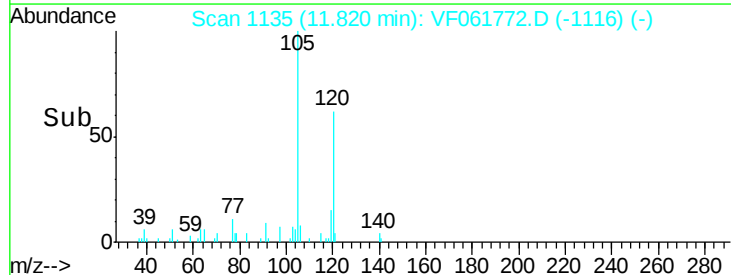
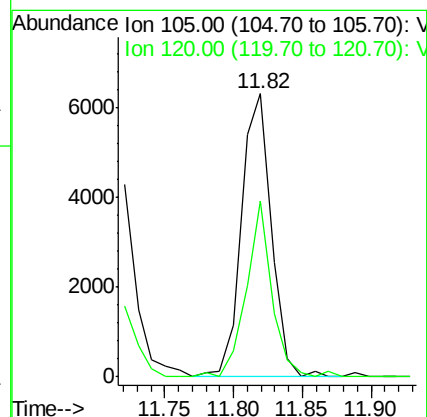
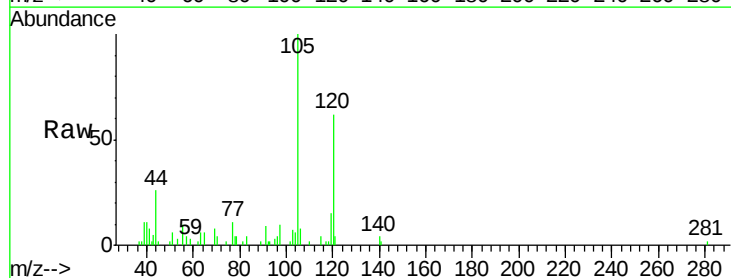
Tot Ion	Ratio	Lower	Upper
152	100		
115	45.0	24.3	72.8
150	143.6	0.0	312.0

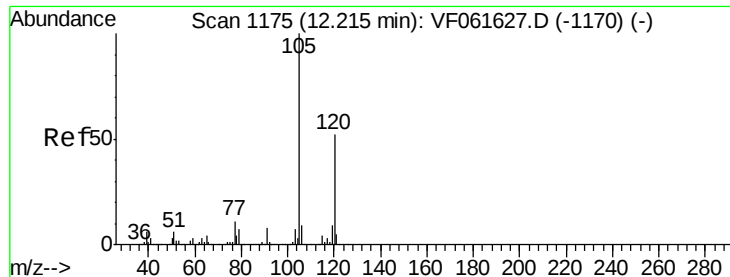


#80

1,3,5-Trimethylbenzene
Concen: 1.651 ug/l
RT: 11.82 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VF061772.D
Acq: 27 Feb 2019 18:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	62.3	27.9	83.6





#84

1,2,4-Trimethylbenzene

Concen: 1.181 ug/l

RT: 12.19 min Scan# 1173

Delta R.T. -0.02 min

Lab File: VF061772.D

Acq: 27 Feb 2019 18:01

Instrument :

MSVOA_F

ClientSampleId :

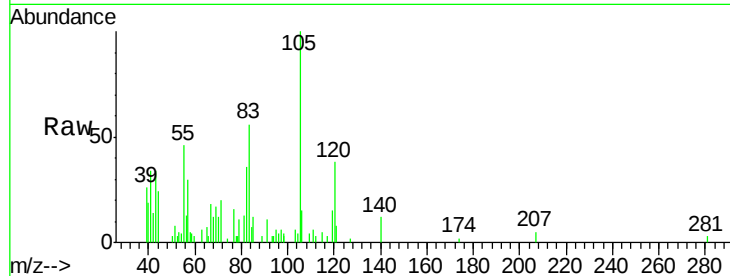
PL-02-022619-B

Tot Ion:105 Resp: 6791

Ion Ratio Lower Upper

105 100

120 38.0 26.1 78.3

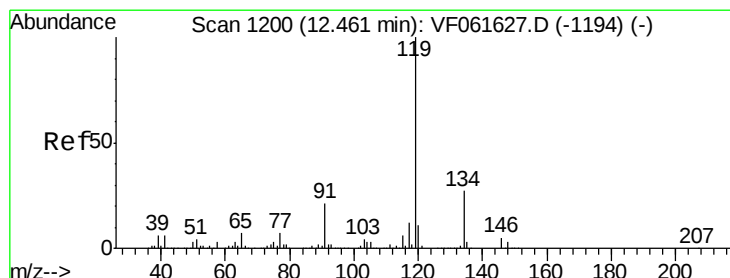
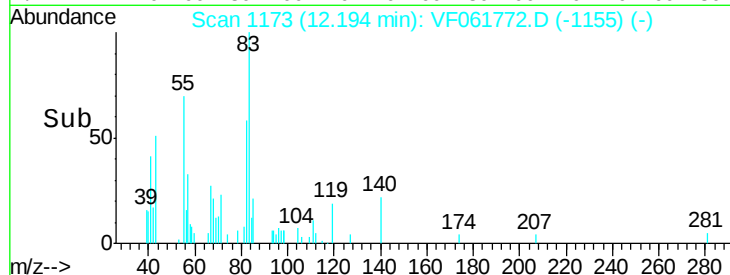


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.19

Time-->



#86

p-Isopropyltoluene

Concen: 1.844 ug/l

RT: 12.42 min Scan# 1196

Delta R.T. -0.04 min

Lab File: VF061772.D

Acq: 27 Feb 2019 18:01

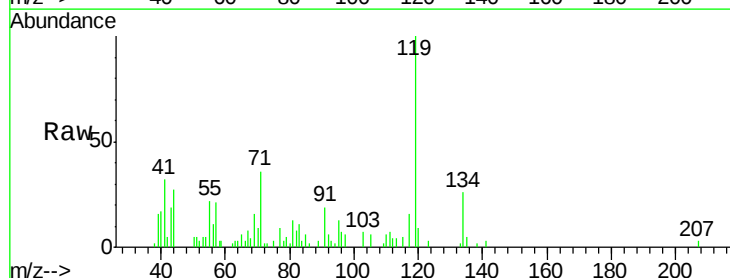
Tgt Ion:119 Resp: 12829

Ion Ratio Lower Upper

119 100

134 26.0 13.7 41.1

91 19.2 10.8 32.4



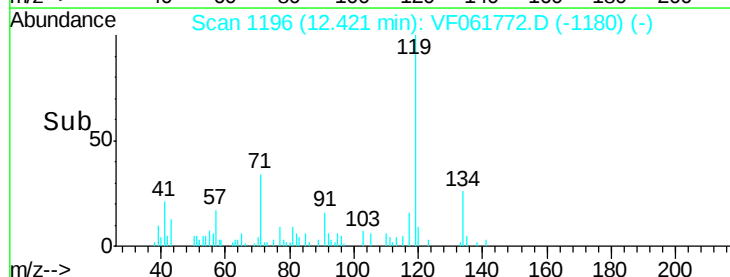
Abundance Ion 119.00 (118.70 to 119.70): V

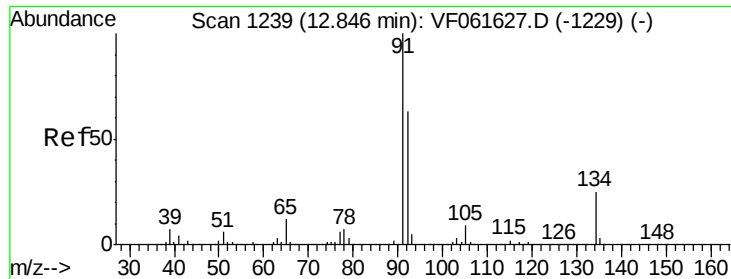
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

12.42

Time-->





#89

n-Butylbenzene

Concen: 1.103 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VF061772.D

Acq: 27 Feb 2019 18:01

Instrument :

MSVOA_F

ClientSampleId :

PL-02-022619-B

Tot Ion: 91 Resp: 7246

Ion Ratio Lower Upper

91 100

92 53.0 31.4 94.3

134 55.0 12.3 36.9#

