

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022719\
 Data File : VF061767.D
 Acq On : 27 Feb 2019 15:38
 Operator : VA/AP
 Sample : K1633-07
 Misc : 5.43g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Feb 28 00:31:33 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	367571	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	561757	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	486282	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	274181	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	116734	43.31	ug/l	-0.03
Spiked Amount			Recovery	=	86.62%	
35) Dibromofluoromethane	4.10	113	171822	41.19	ug/l	-0.02
Spiked Amount			Recovery	=	82.38%	
50) Toluene-d8	7.54	98	442456	36.90	ug/l	-0.02
Spiked Amount			Recovery	=	73.80%	
62) 4-Bromofluorobenzene	11.39	95	200643	41.35	ug/l	-0.02
Spiked Amount			Recovery	=	82.70%	

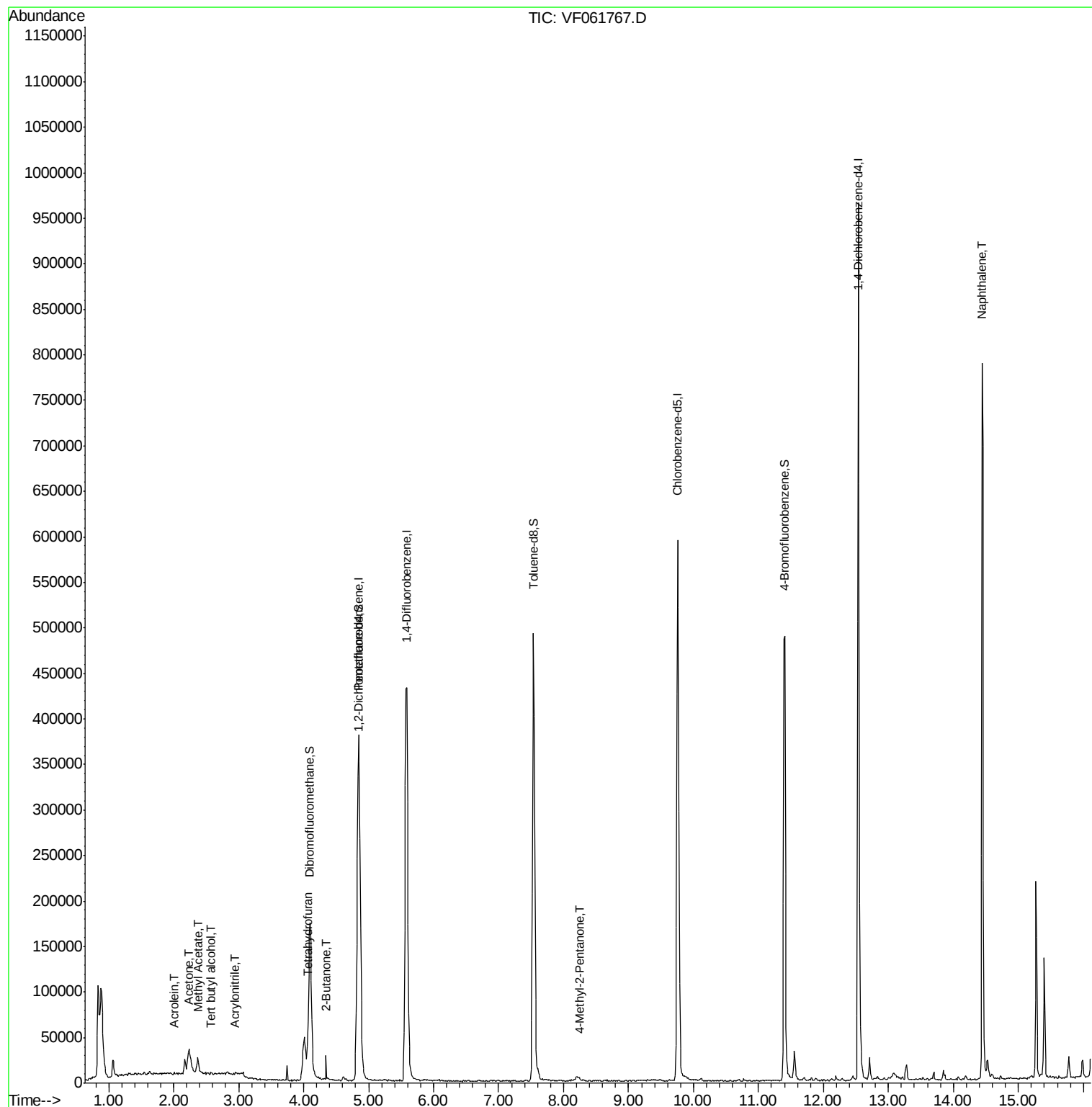
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	628	4.026	ug/l #	1
13) Acrolein	2.02	56	324	1.653	ug/l #	1
15) Acrylonitrile	2.94	53	690	1.247	ug/l #	51
16) Acetone	2.23	43	19347	33.454	ug/l #	89
18) Methyl Acetate	2.37	43	6602	5.067	ug/l #	59
20) Methylene Chloride	2.17	84	7637	Below Cal		95
25) 2-Butanone	4.34	43	2360	1.868	ug/l	97
29) Tetrahydrofuran	4.06	42	1798	3.132	ug/l #	90
51) 4-Methyl-2-Pentanone	8.25	43	3212	1.469	ug/l #	77
95) Naphthalene	14.44	128	637711	56.864	ug/l	99

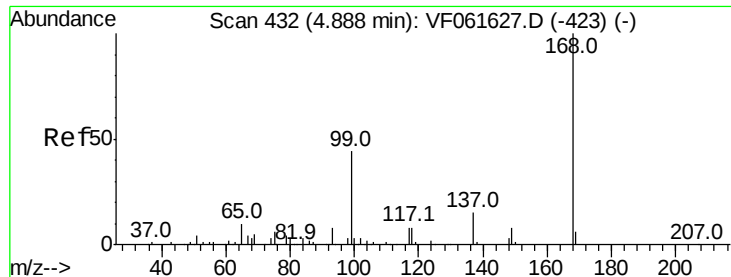
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022719\
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ClientSampleId :

Quant Time: Feb 28 00:31:33 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: VF061767.D

Acq: 27 Feb 2019 15:38

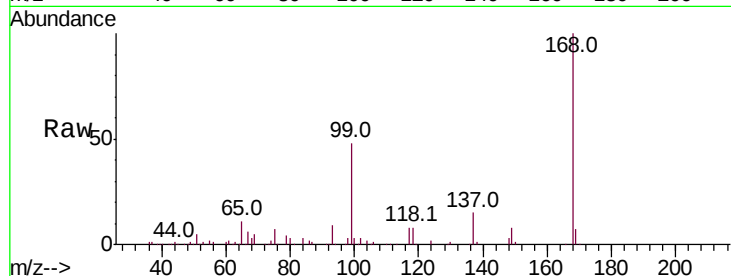
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 367571

Ion Ratio Lower Upper

168 100

99 48.2 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

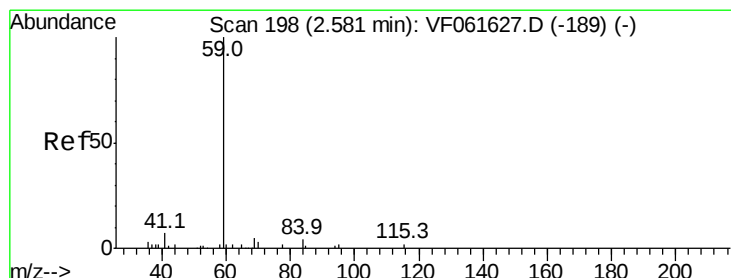
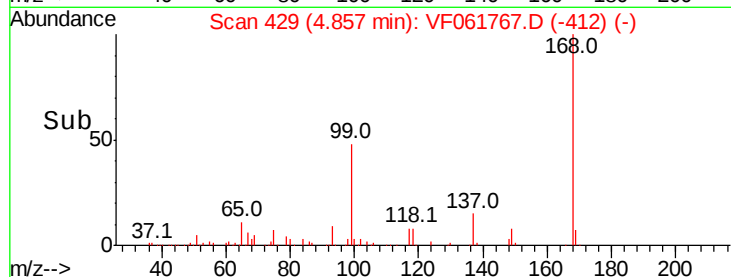
100000

50000

0

4.80 5.00

Time-->



#11

Tert butyl alcohol

Concen: 4.026 ug/l

RT: 2.56 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF061767.D

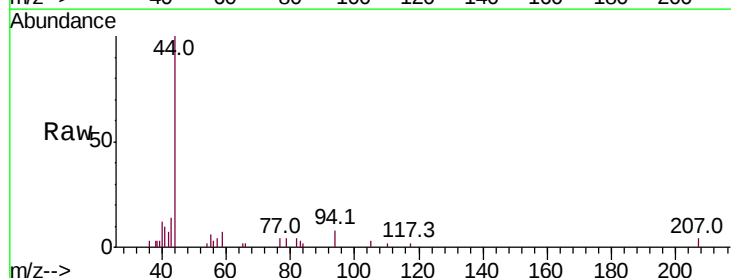
Acq: 27 Feb 2019 15:38

Tgt Ion: 59 Resp: 628

Ion Ratio Lower Upper

59 100

57 61.0 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.56

300

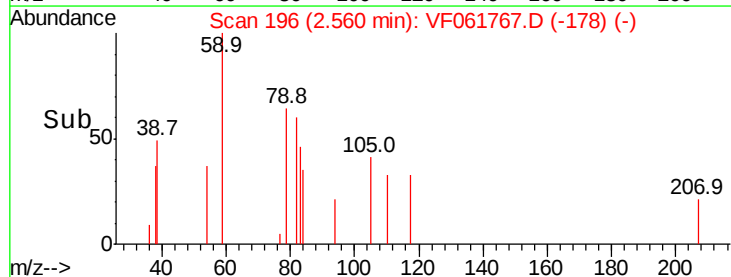
200

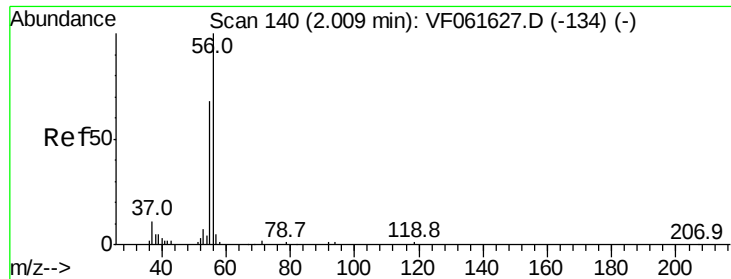
100

0

2.50 2.55 2.60 2.65

Time-->





#13

Acrolein

Concen: 1.653 ug/l

RT: 2.02 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF061767.D

Acq: 27 Feb 2019 15:38

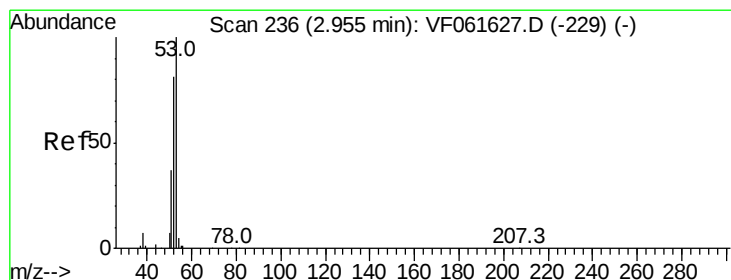
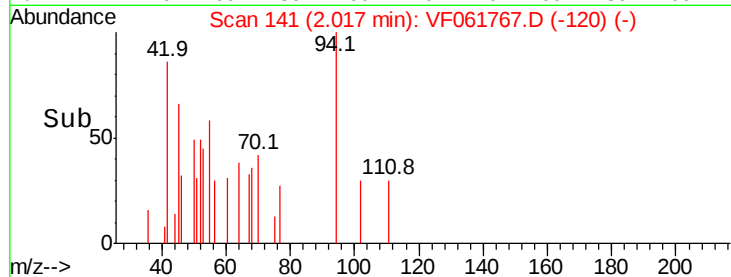
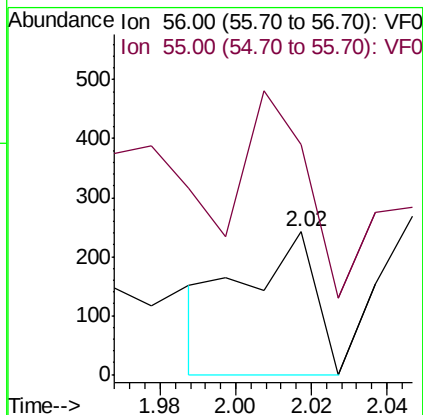
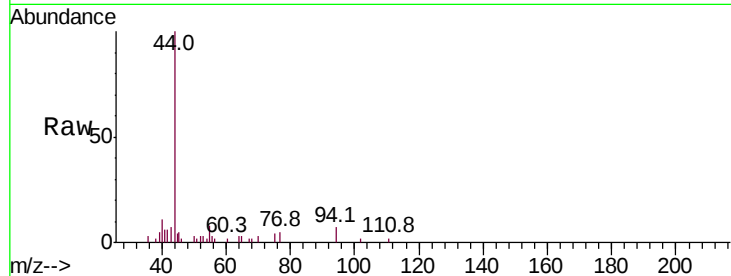
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 324

Ion Ratio Lower Upper

56 100

55 161.2 55.0 82.6#



#15

Acrylonitrile

Concen: 1.247 ug/l

RT: 2.94 min Scan# 235

Delta R.T. -0.01 min

Lab File: VF061767.D

Acq: 27 Feb 2019 15:38

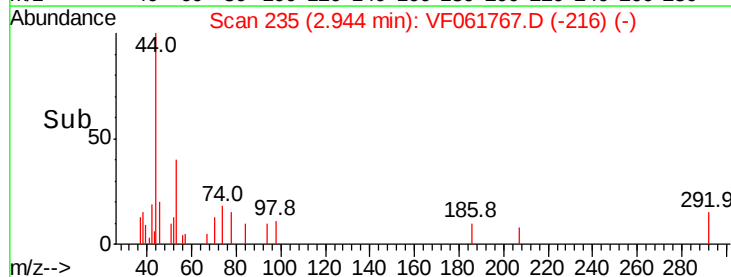
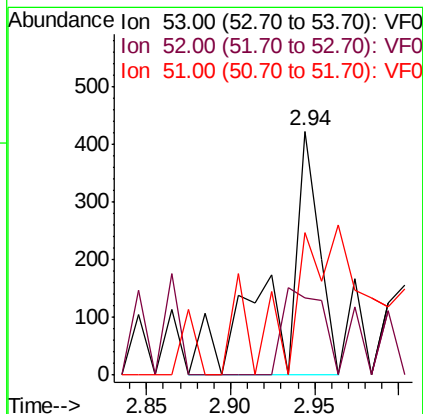
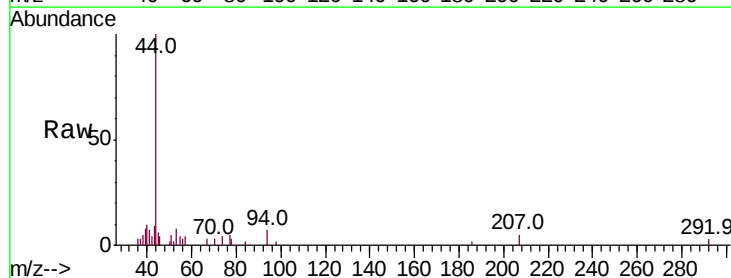
Tgt Ion: 53 Resp: 690

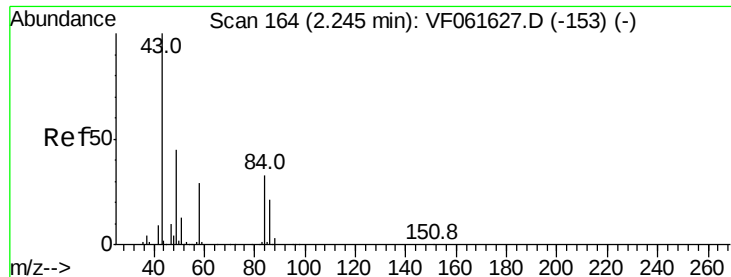
Ion Ratio Lower Upper

53 100

52 31.7 64.6 97.0#

51 58.6 29.8 44.8#





#16

Acetone

Concen: 33.454 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061767.D

Acq: 27 Feb 2019 15:38

Instrument :

MSVOA_F

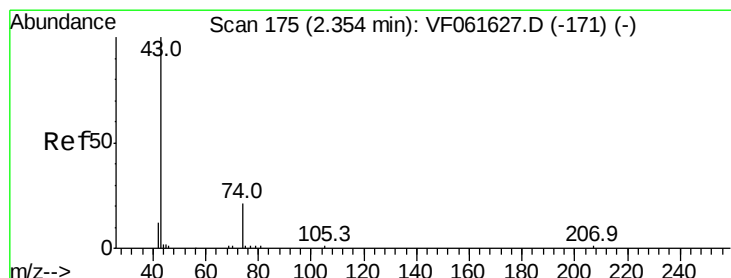
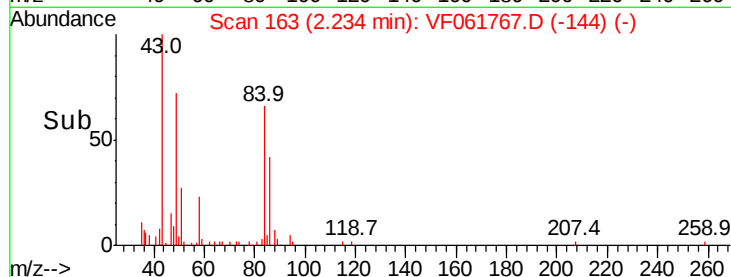
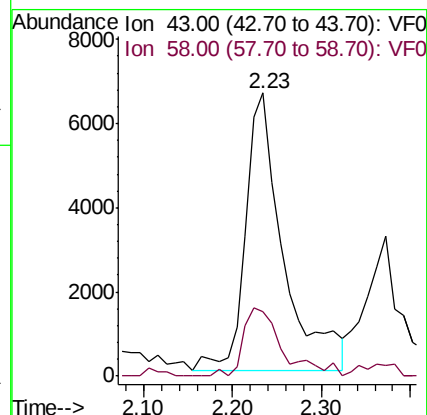
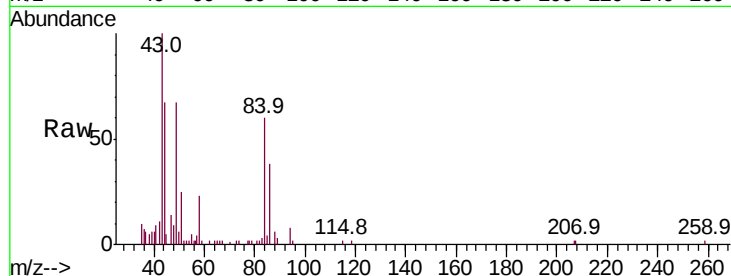
ClientSampleId :

Tot Ion: 43 Resp: 19347

Ion Ratio Lower Upper

43 100

58 22.7 22.9 34.3#



#18

Methyl Acetate

Concen: 5.067 ug/l

RT: 2.37 min Scan# 177

Delta R.T. 0.02 min

Lab File: VF061767.D

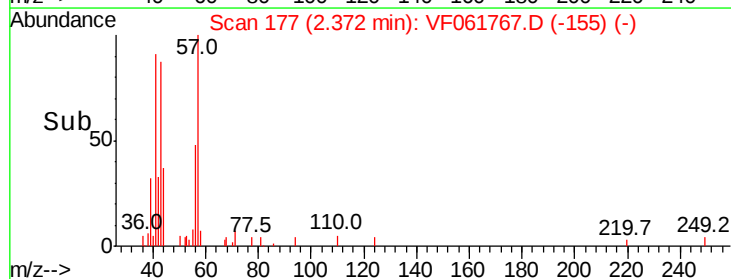
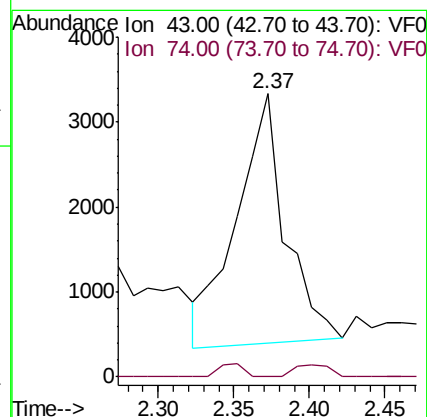
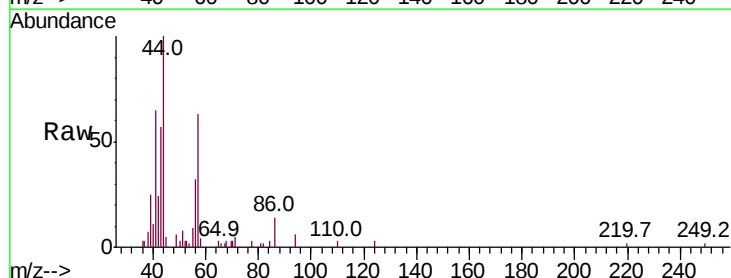
Acq: 27 Feb 2019 15:38

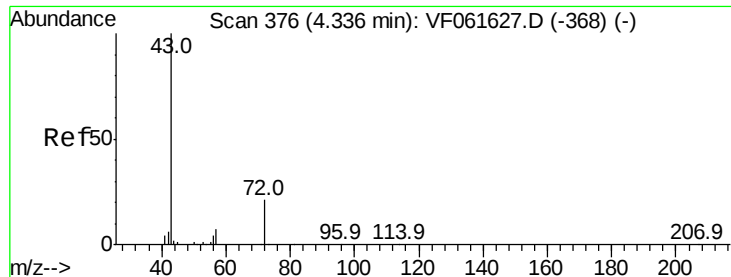
Tgt Ion: 43 Resp: 6602

Ion Ratio Lower Upper

43 100

74 0.0 14.6 21.8#





#25

2-Butanone

Concen: 1.868 ug/l

RT: 4.34 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF061767.D

Acq: 27 Feb 2019 15:38

Instrument :

MSVOA_F

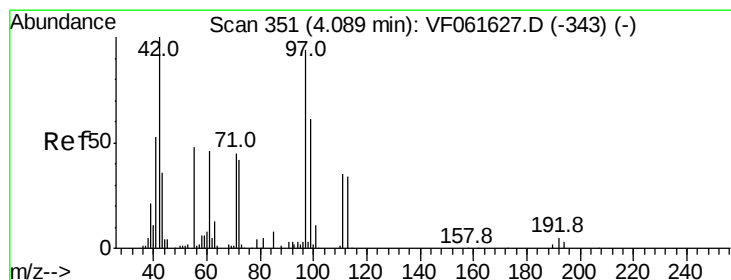
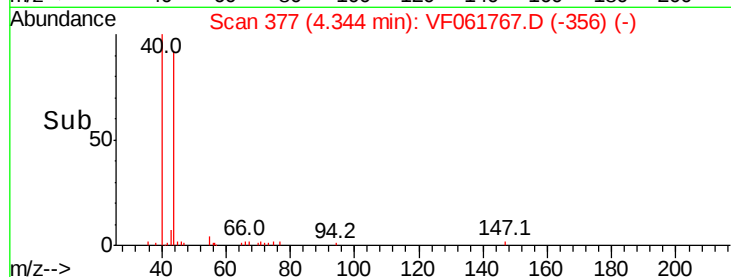
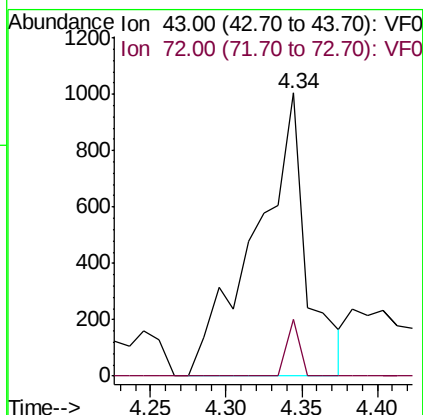
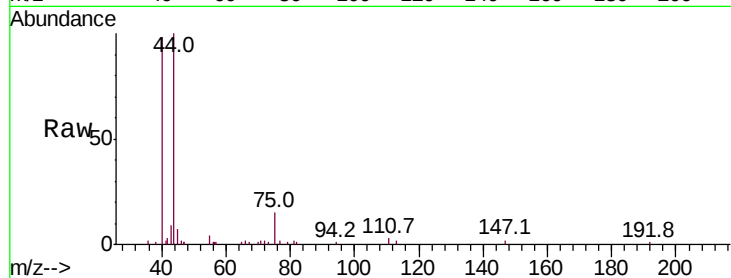
ClientSampled :

Tot Ion: 43 Resp: 2360

Ion Ratio Lower Upper

43 100

72 19.9 17.1 25.7



#29

Tetrahydrofuran

Concen: 3.132 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.03 min

Lab File: VF061767.D

Acq: 27 Feb 2019 15:38

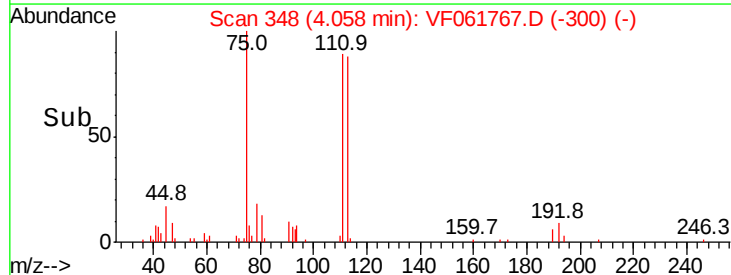
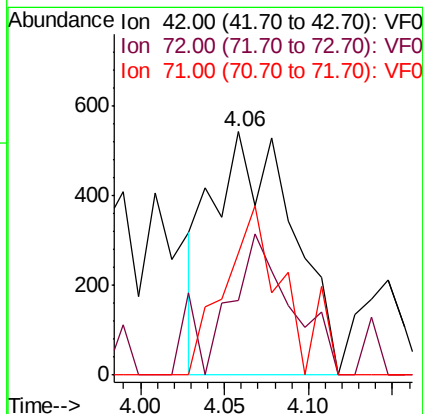
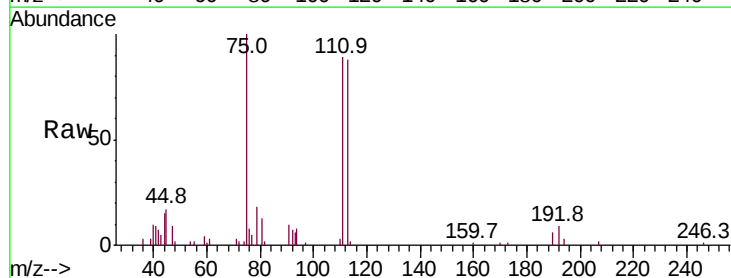
Tgt Ion: 42 Resp: 1798

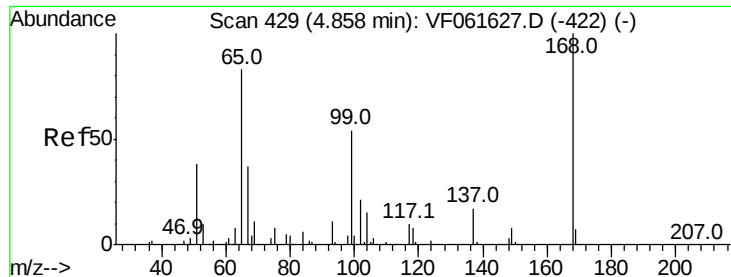
Ion Ratio Lower Upper

42 100

72 42.0 35.2 52.8

71 52.0 32.9 49.3#





#33

1,2-Dichloroethane-d4

Concen: 43.308 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.03 min

Lab File: VF061767.D

Acq: 27 Feb 2019 15:38

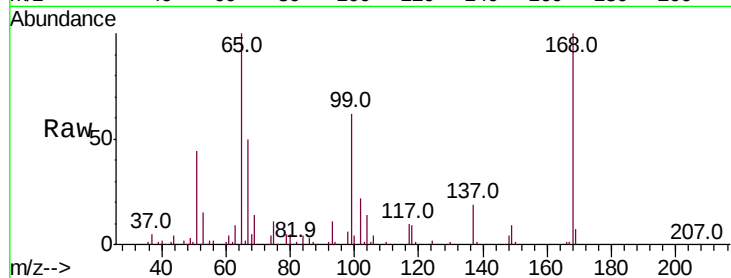
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 116734

Ion Ratio Lower Upper

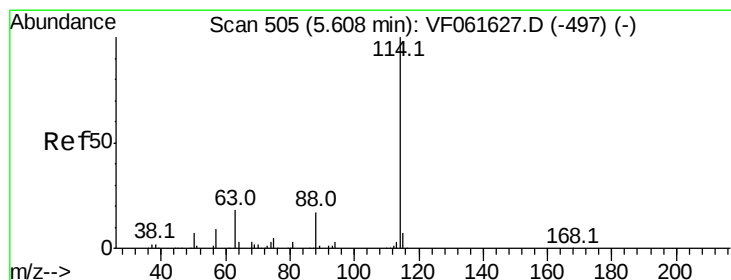
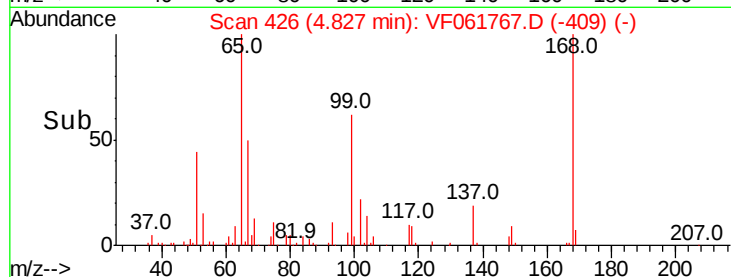
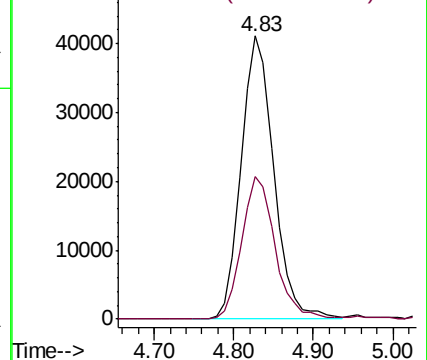
65 100

67 50.4 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: VF061767.D

Acq: 27 Feb 2019 15:38

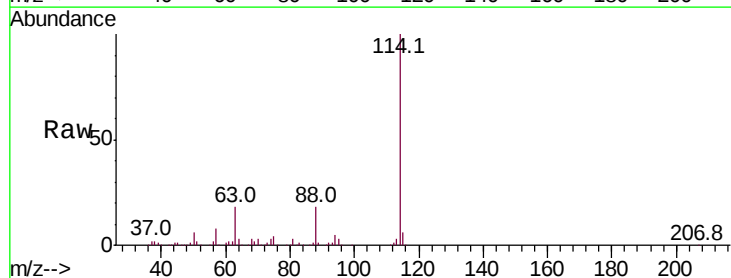
Tgt Ion:114 Resp: 561757

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.6

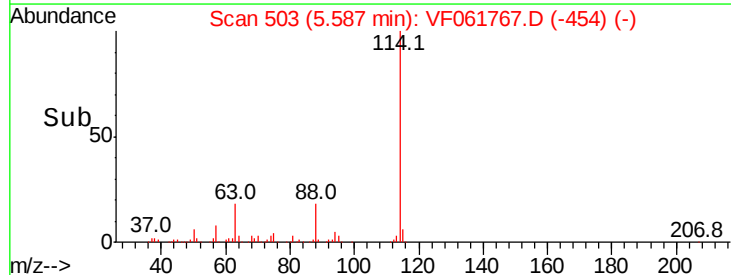
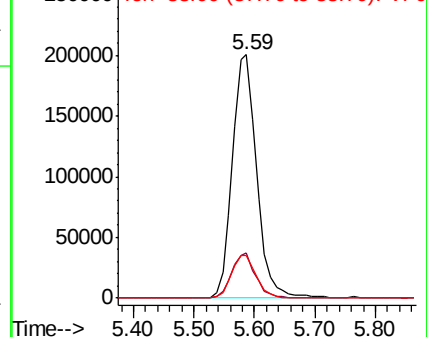
88 17.6 0.0 34.4

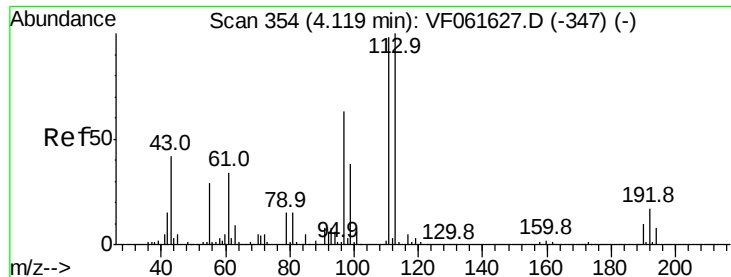


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

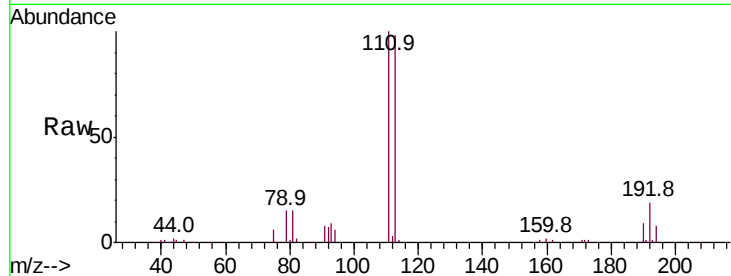




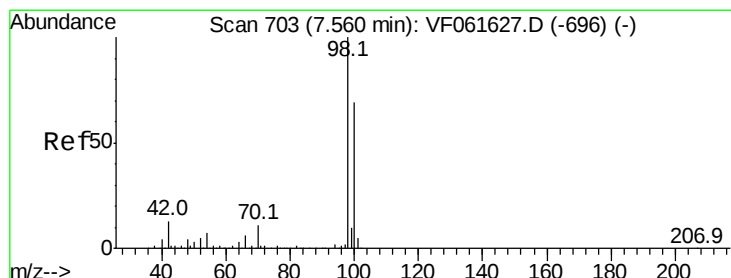
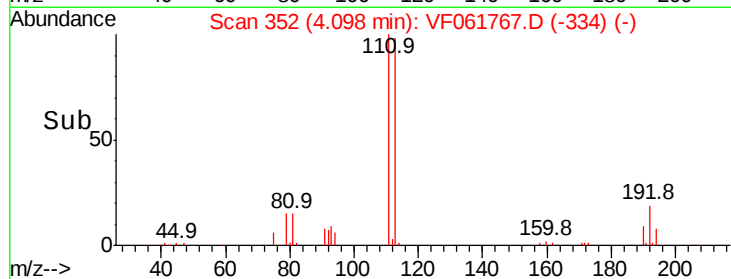
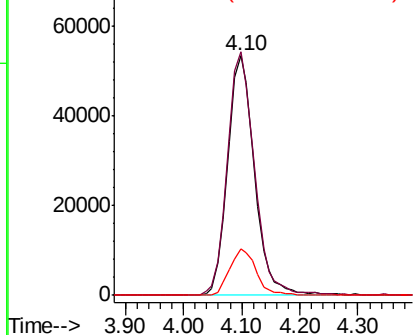
#35
Dibromofluoromethane
Concen: 41.188 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.02 min
Lab File: VF061767.D
Acq: 27 Feb 2019 15:38

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:113 Resp: 171822
Ion Ratio Lower Upper
113 100
111 101.6 78.8 118.2
192 19.2 13.4 20.0

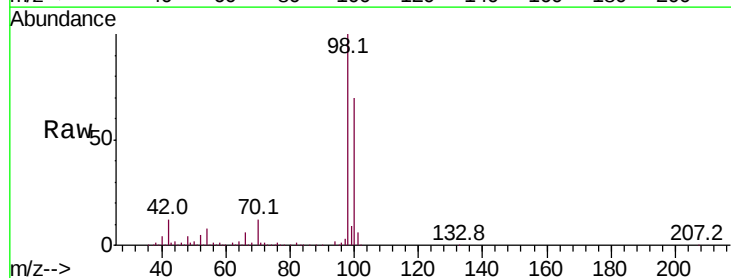


Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

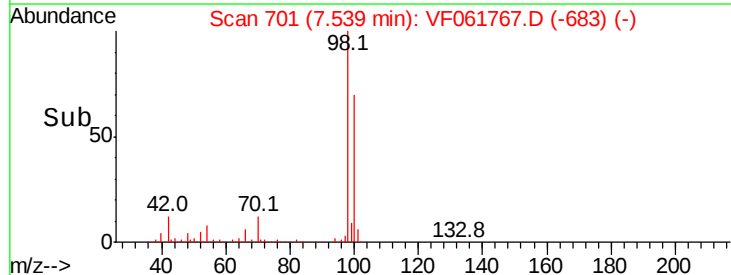
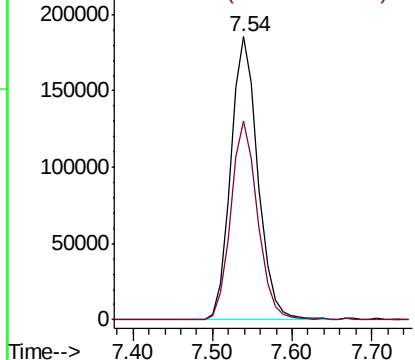


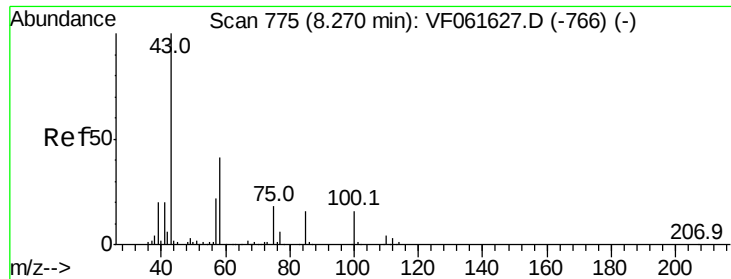
#50
Toluene-d8
Concen: 36.895 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061767.D
Acq: 27 Feb 2019 15:38

Tgt Ion: 98 Resp: 442456
Ion Ratio Lower Upper
98 100
100 70.2 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF





#51

4-Methyl-2-Pentanone

Concen: 1.469 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.02 min

Lab File: VF061767.D

Acq: 27 Feb 2019 15:38

Instrument :

MSVOA_F

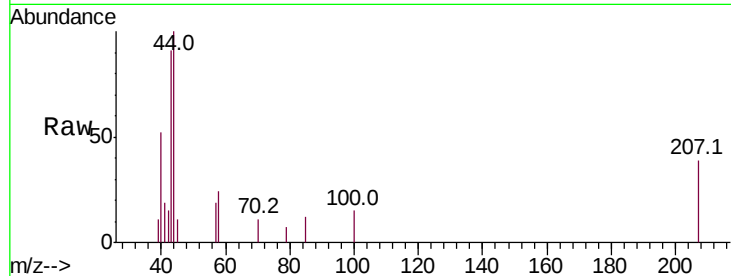
ClientSampleId :

Tot Ion: 43 Resp: 3212

Ion Ratio Lower Upper

43 100

58 26.9 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

1500

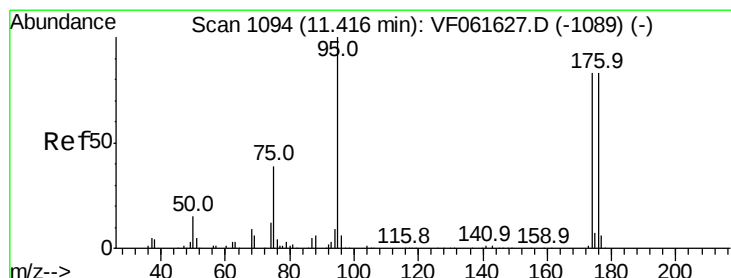
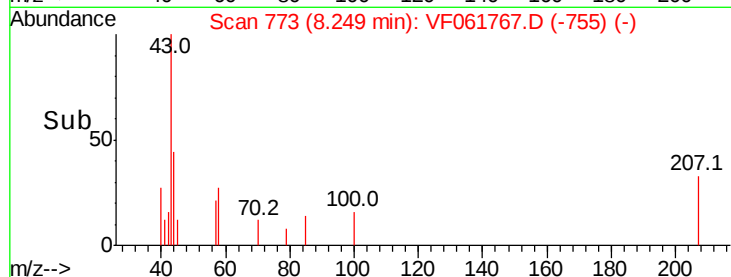
1000

500

0

8.10 8.15 8.20 8.25 8.30

Time-->



#62

4-Bromofluorobenzene

Concen: 41.350 ug/l

RT: 11.39 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061767.D

Acq: 27 Feb 2019 15:38

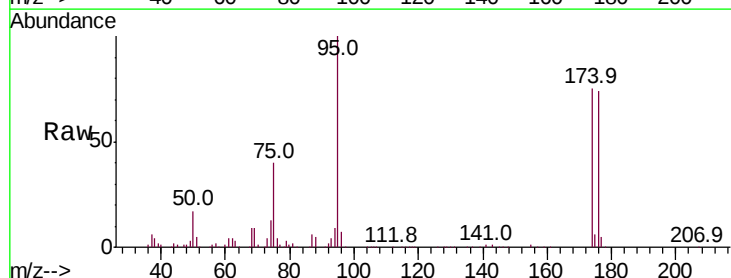
Tgt Ion: 95 Resp: 200643

Ion Ratio Lower Upper

95 100

174 75.0 0.0 165.8

176 74.4 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

150000

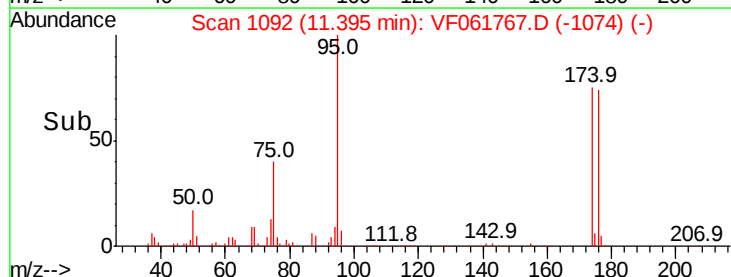
100000

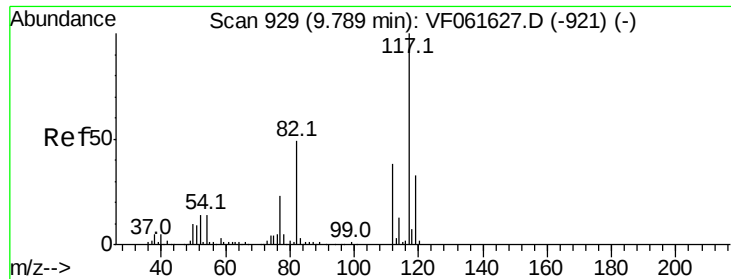
50000

0

11.30 11.40 11.50

Time-->

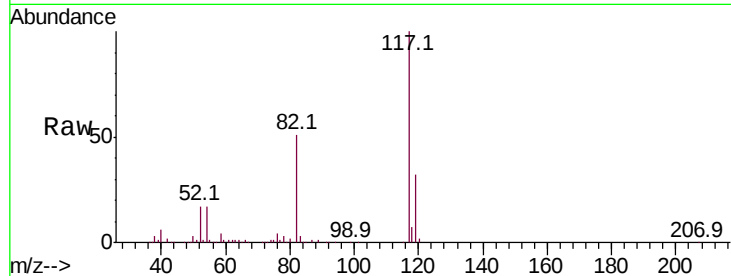




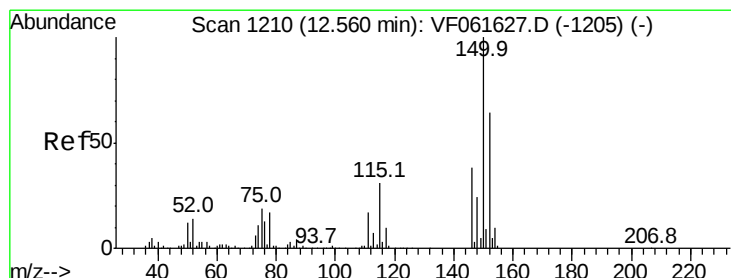
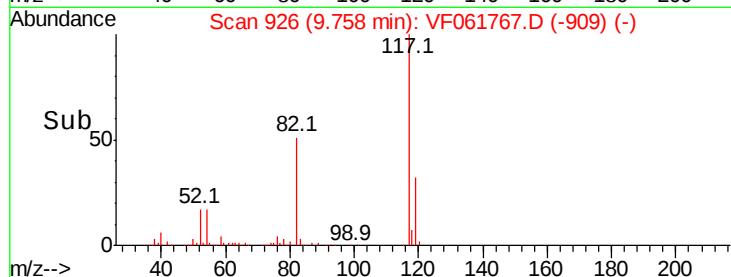
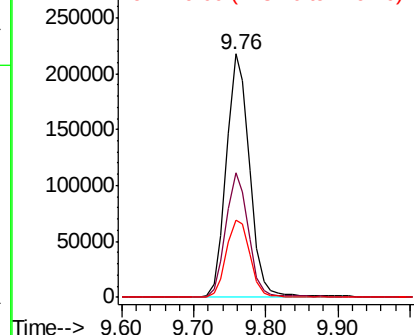
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF061767.D
Acq: 27 Feb 2019 15:38

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 486282
Ion Ratio Lower Upper
117 100
82 50.9 39.3 58.9
119 31.9 26.6 40.0

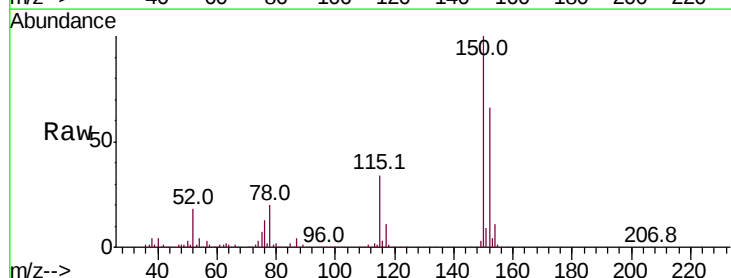


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

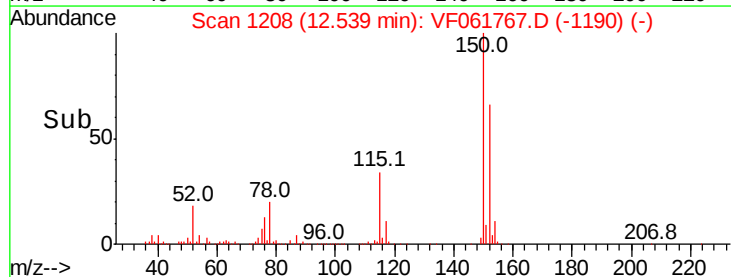
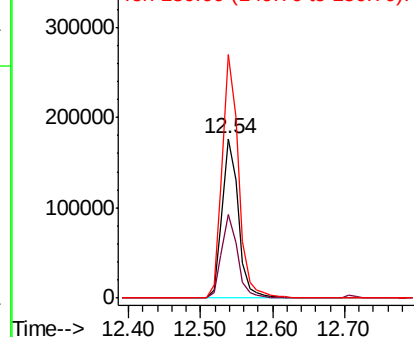


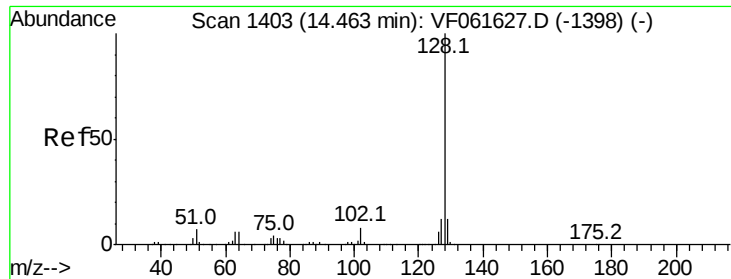
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061767.D
Acq: 27 Feb 2019 15:38

Tgt Ion:152 Resp: 274181
Ion Ratio Lower Upper
152 100
115 52.5 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





#95
 Naphthalene
 Concen: 56.864 ug/l
 RT: 14.44 min Scan# 1401
 Delta R.T. -0.02 min
 Lab File: VF061767.D
 Acq: 27 Feb 2019 15:38

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:128 Resp: 637711
 Ion Ratio Lower Upper
 128 100
 127 11.9 9.8 14.6
 129 11.0 9.4 14.2

