

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012519\
 Data File : VF061530.D
 Acq On : 25 Jan 2019 19:43
 Operator : VA/AP
 Sample : K1254-01
 Misc : 5.36g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jan 28 00:10:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	221546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	400500	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	352738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	166101	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	96546	35.30	ug/l	0.00
Spiked Amount			Recovery	=	70.60%	
35) Dibromofluoromethane	4.10	113	114314	36.17	ug/l	0.00
Spiked Amount			Recovery	=	72.34%	
50) Toluene-d8	7.55	98	289324	33.41	ug/l	0.00
Spiked Amount			Recovery	=	66.82%	
62) 4-Bromofluorobenzene	11.40	95	129220	31.94	ug/l	0.00
Spiked Amount			Recovery	=	63.88%	

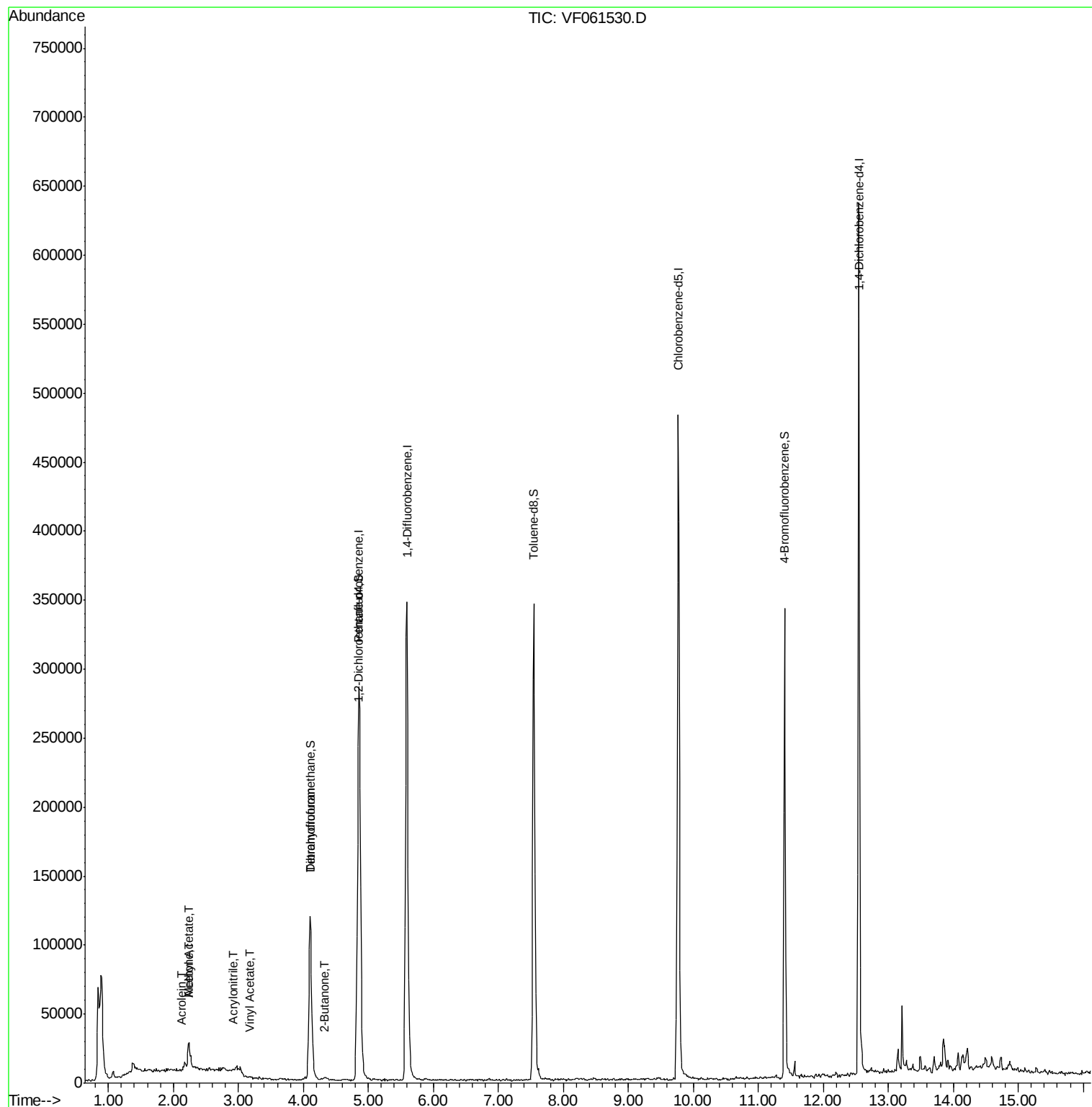
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.13	56	157	11.846	ug/l	89
14) Allyl chloride	2.09	41	413	Below Cal	#	78
15) Acrylonitrile	2.92	53	306	1.032	ug/l #	16
16) Acetone	2.24	43	34356	62.610	ug/l	97
18) Methyl Acetate	2.24	43	33412	30.704	ug/l #	61
20) Methylene Chloride	2.18	84	2400	Below Cal		92
23) Vinyl Acetate	3.17	43	284	3.285	ug/l #	78
25) 2-Butanone	4.32	43	5845	6.405	ug/l	99
29) Tetrahydrofuran	4.09	42	417	1.061	ug/l #	38
49) 1,4-Dioxane	6.58	88	98	Below Cal	#	27

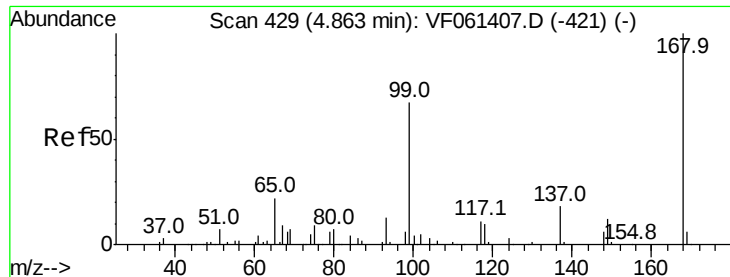
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF012519\
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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF061530.D

Acq: 25 Jan 2019 19:43

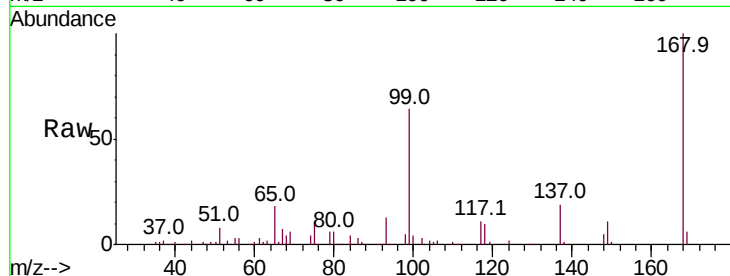
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 221546

Ion Ratio Lower Upper

168 100

99 64.3 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

60000

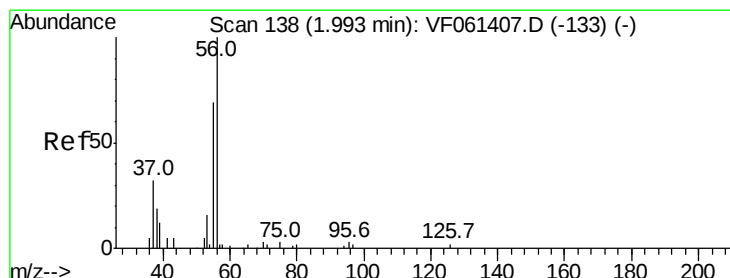
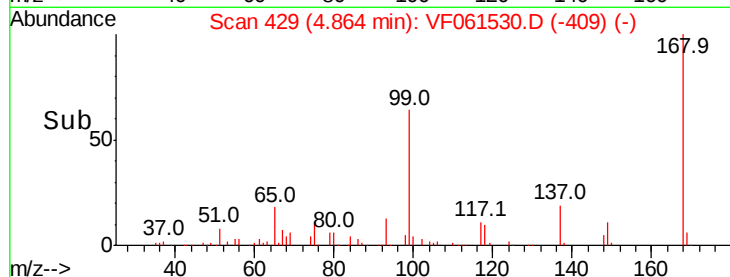
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#13

Acrolein

Concen: 11.846 ug/l

RT: 2.13 min Scan# 152

Delta R.T. 0.14 min

Lab File: VF061530.D

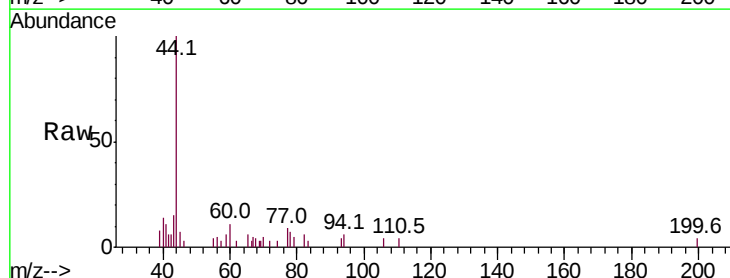
Acq: 25 Jan 2019 19:43

Tgt Ion: 56 Resp: 157

Ion Ratio Lower Upper

56 100

55 81.4 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.13

300

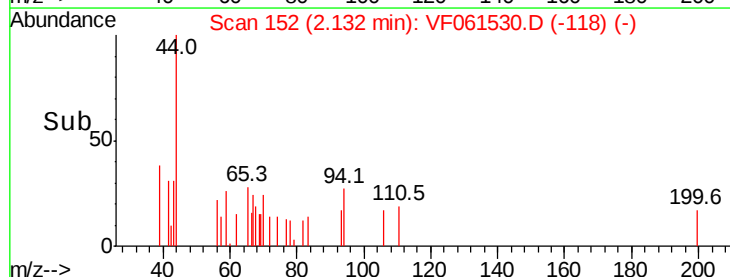
200

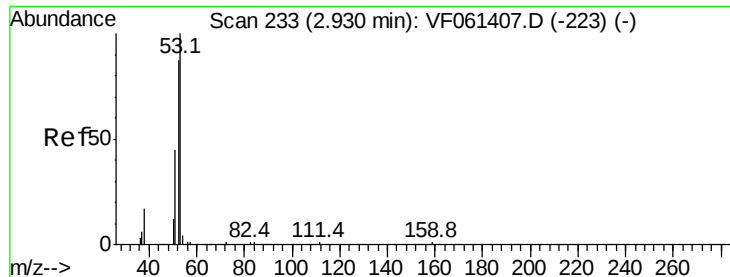
100

0

Time-->

2.10 2.12 2.14

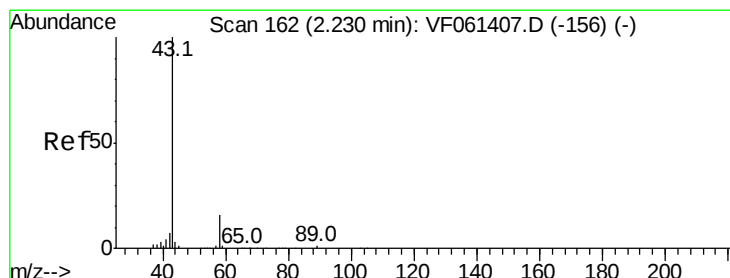
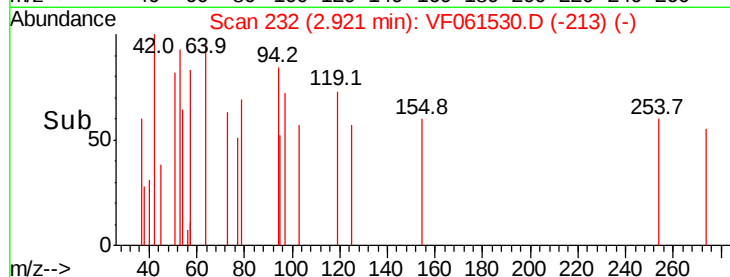
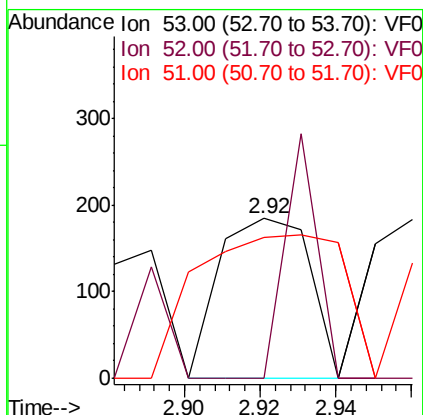
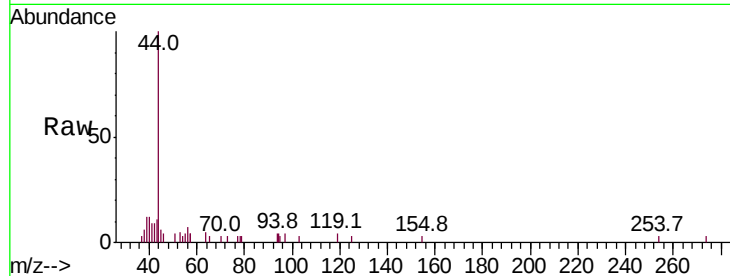




#15
 Acrylonitrile
 Concen: 1.032 ug/l
 RT: 2.92 min Scan# 232
 Delta R.T. -0.01 min
 Lab File: VF061530.D
 Acq: 25 Jan 2019 19:43

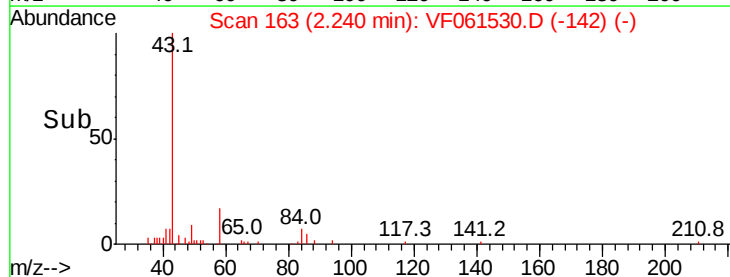
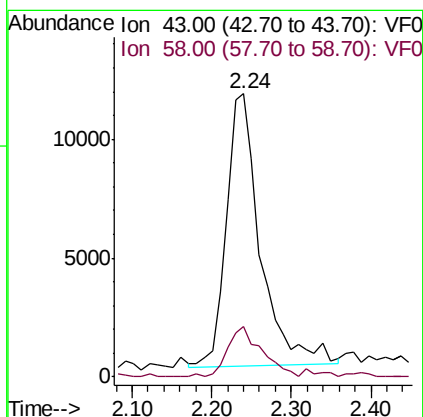
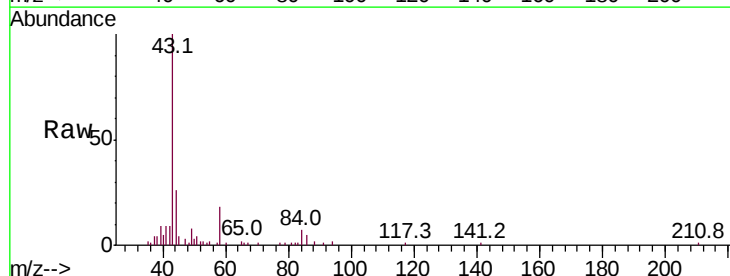
Instrument :
 MSVOA_F
 ClientSampleID :

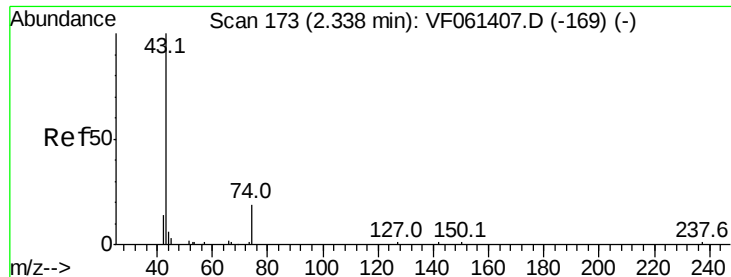
Tot Ion: 53 Resp: 306
 Ion Ratio Lower Upper
 53 100
 52 0.0 69.6 104.4#
 51 88.0 36.8 55.2#



#16
 Acetone
 Concen: 62.610 ug/l
 RT: 2.24 min Scan# 163
 Delta R.T. 0.01 min
 Lab File: VF061530.D
 Acq: 25 Jan 2019 19:43

Tgt Ion: 43 Resp: 34356
 Ion Ratio Lower Upper
 43 100
 58 17.9 13.3 19.9

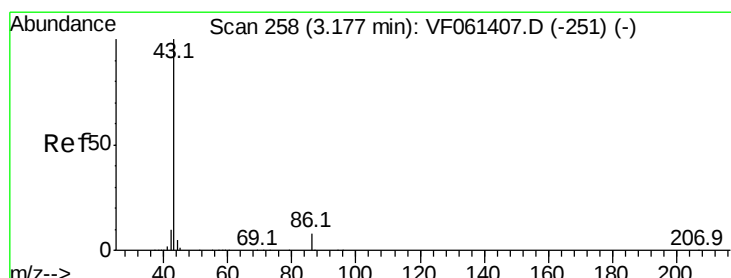
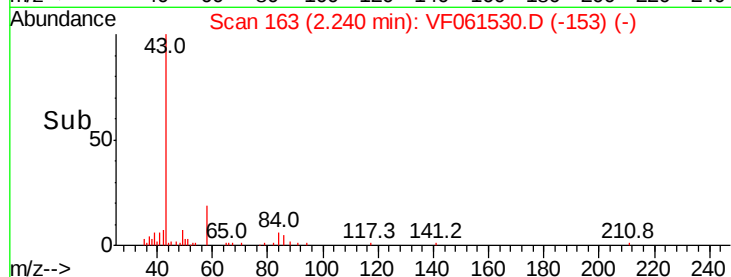
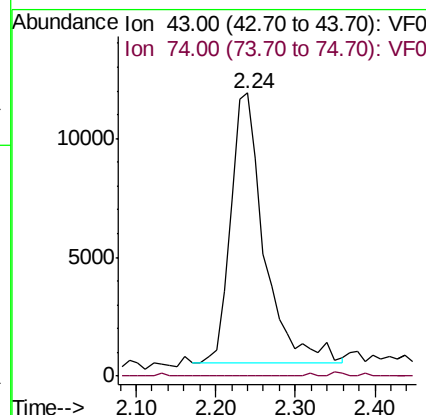
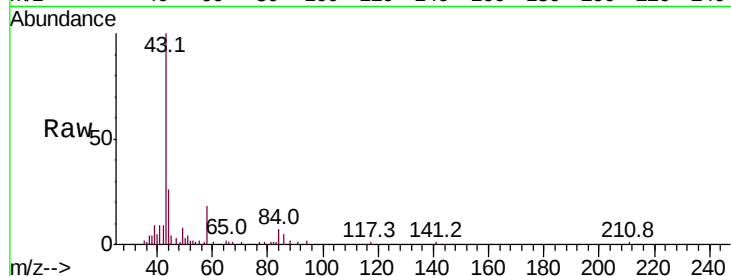




#18
Methvl Acetate
Concen: 30.704 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.10 min
Lab File: VF061530.D
Acq: 25 Jan 2019 19:43

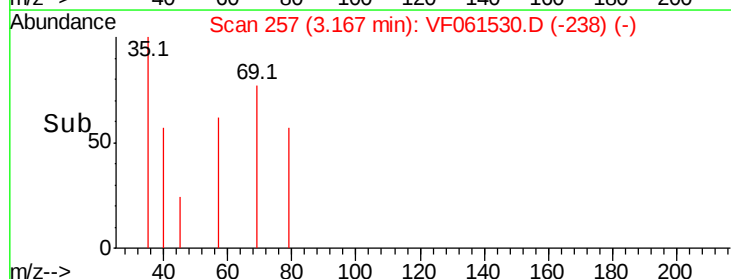
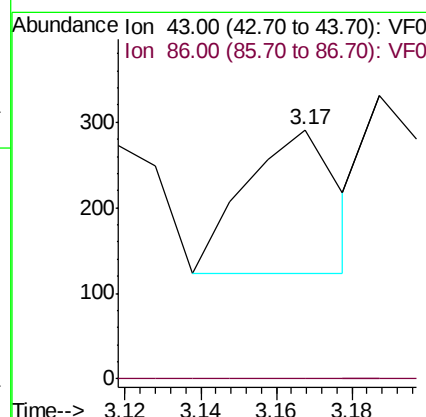
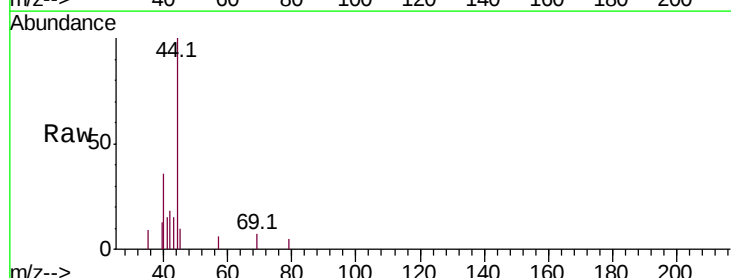
Instrument :
MSVOA_F
ClientSampleId :

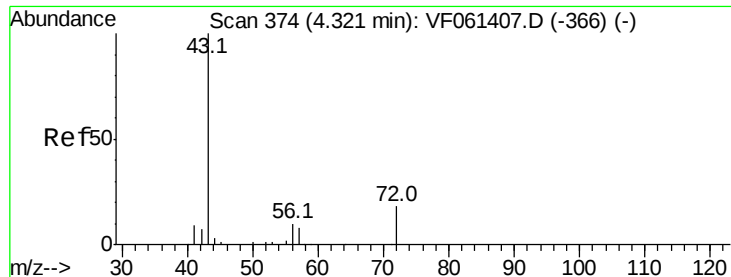
Tot Ion: 43 Resp: 33412
Ion Ratio Lower Upper
43 100
74 0.0 13.4 20.0#



#23
Vinyl Acetate
Concen: 3.285 ug/l
RT: 3.17 min Scan# 257
Delta R.T. -0.01 min
Lab File: VF061530.D
Acq: 25 Jan 2019 19:43

Tgt Ion: 43 Resp: 284
Ion Ratio Lower Upper
43 100
86 0.0 6.2 9.4#





#25

2-Butanone

Concen: 6.405 ug/l

RT: 4.32 min Scan# 374

Delta R.T. 0.00 min

Lab File: VF061530.D

Acq: 25 Jan 2019 19:43

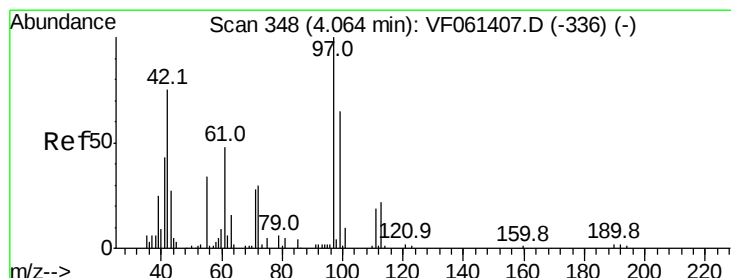
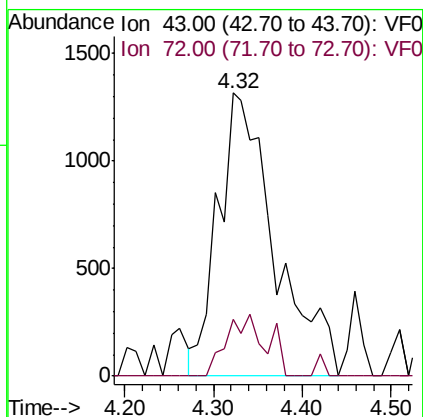
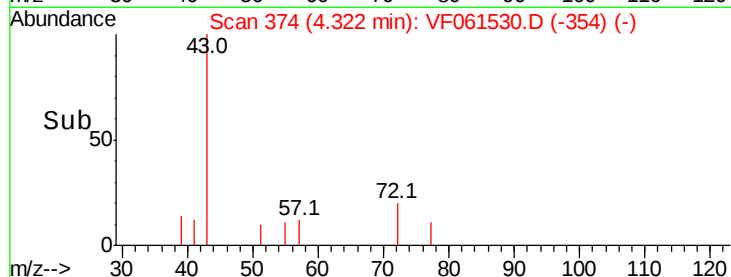
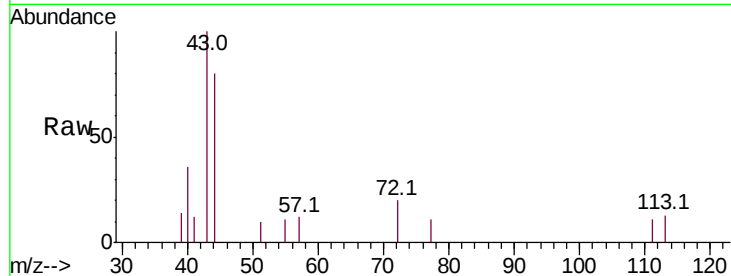
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 5845

Ion Ratio Lower Upper

43 100

72 20.3 15.8 23.6



#29

Tetrahydrofuran

Concen: 1.061 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.03 min

Lab File: VF061530.D

Acq: 25 Jan 2019 19:43

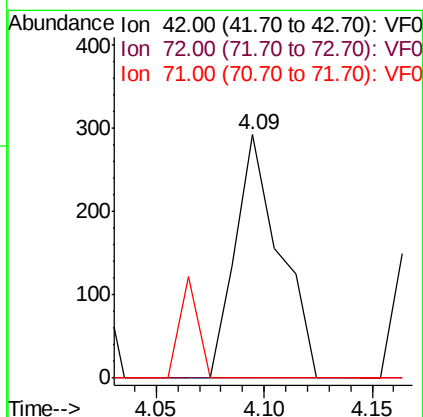
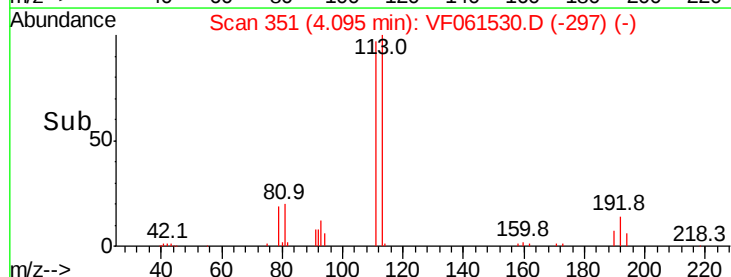
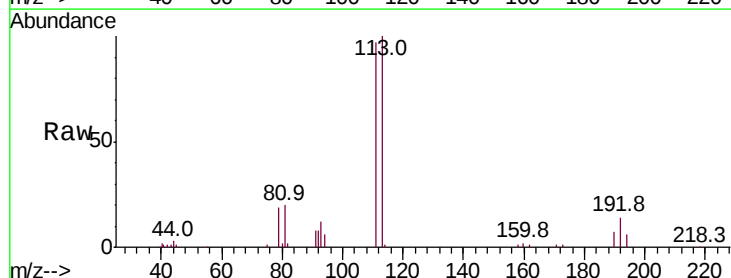
Tgt Ion: 42 Resp: 417

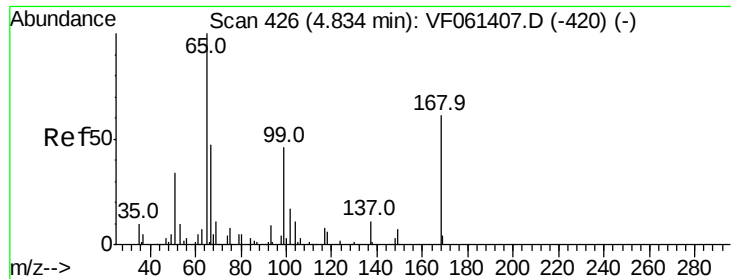
Ion Ratio Lower Upper

42 100

72 0.0 28.9 43.3#

71 0.0 29.6 44.4#





#33

1,2-Dichloroethane-d4

Concen: 35.297 ug/l

RT: 4.83 min Scan# 426

Delta R.T. 0.00 min

Lab File: VF061530.D

Acq: 25 Jan 2019 19:43

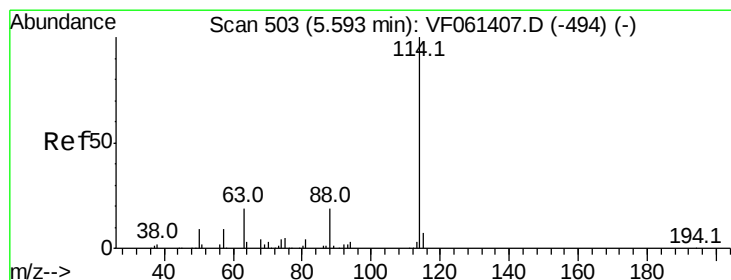
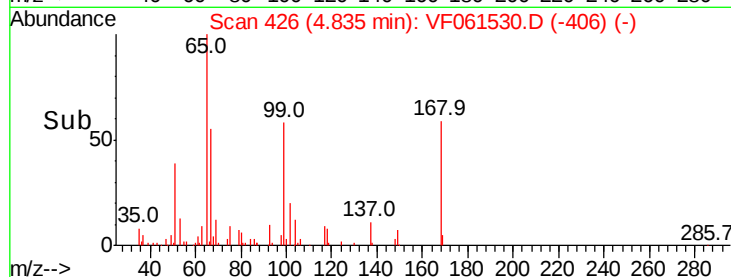
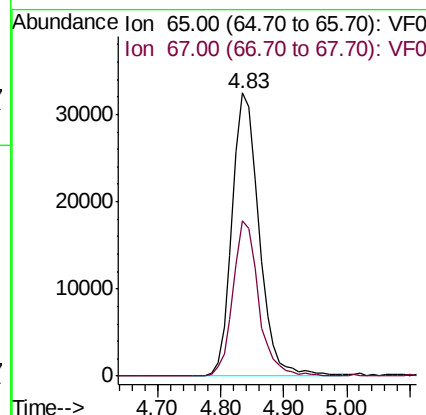
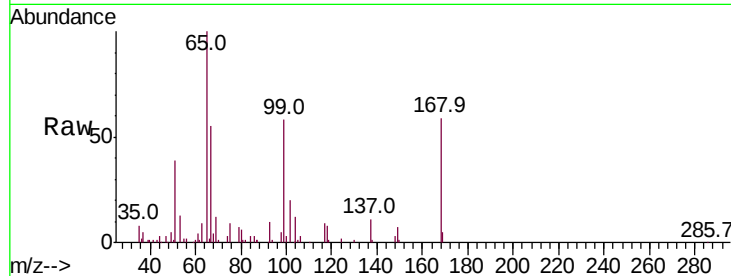
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 96546

Ion Ratio Lower Upper

65 100

67 55.0 0.0 99.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. 0.00 min

Lab File: VF061530.D

Acq: 25 Jan 2019 19:43

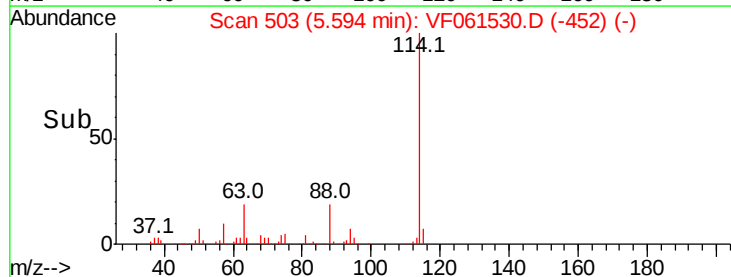
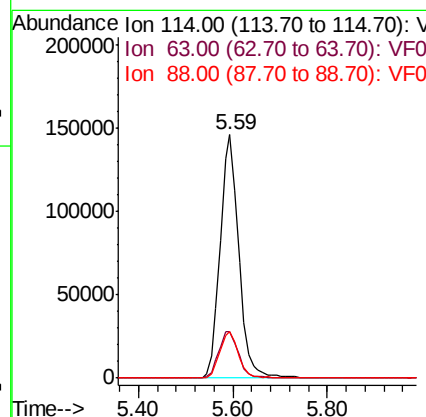
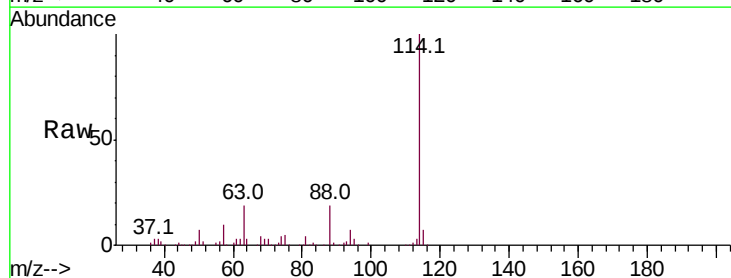
Tgt Ion: 114 Resp: 400500

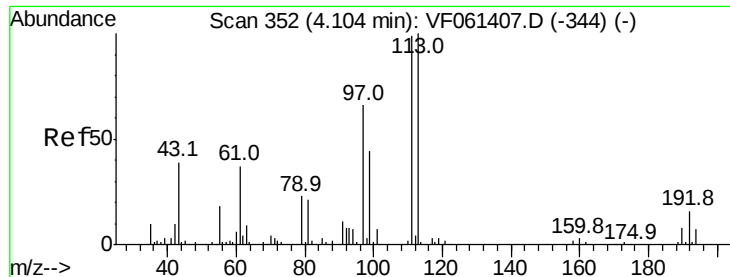
Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.0

88 19.3 0.0 37.4





#35

Dibromofluoromethane

Concen: 36.172 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.00 min

Lab File: VF061530.D

Acq: 25 Jan 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :

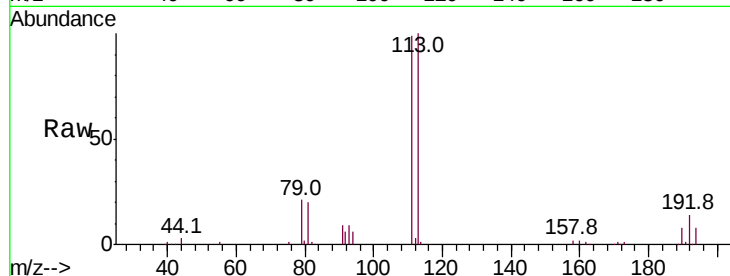
Tot Ion:113 Resp: 114314

Ion Ratio Lower Upper

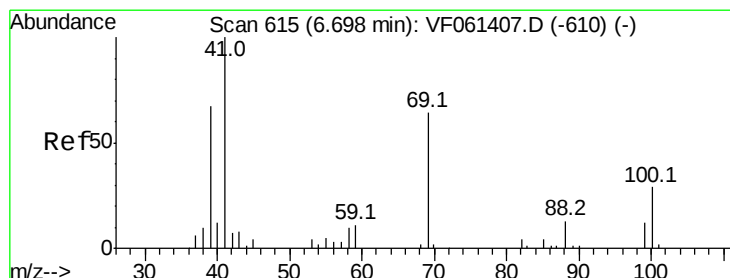
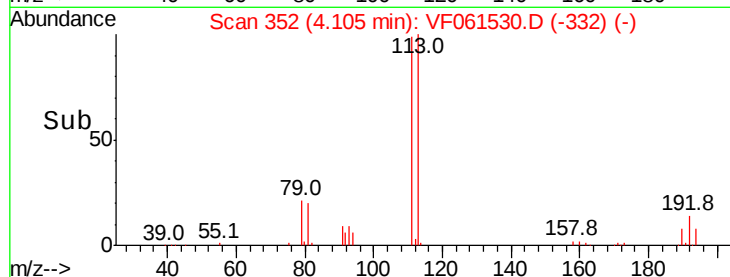
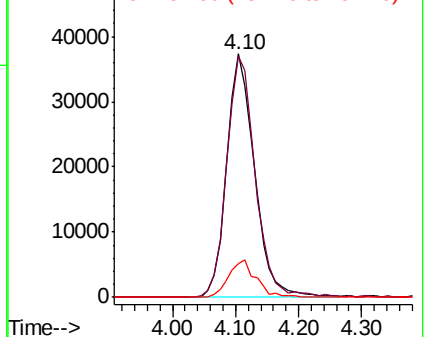
113 100

111 98.9 79.4 119.0

192 14.5 12.4 18.6



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



#49

1,4-Dioxane

Concen: Below Cal

RT: 6.58 min Scan# 603

Delta R.T. -0.12 min

Lab File: VF061530.D

Acq: 25 Jan 2019 19:43

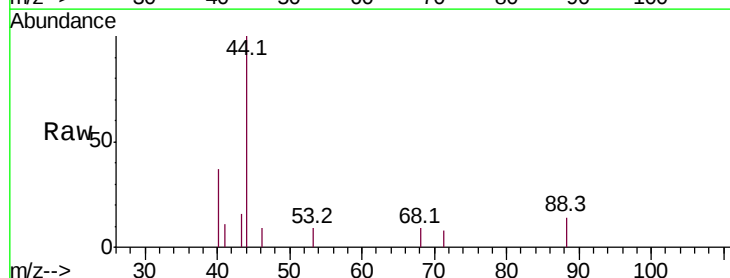
Tgt Ion: 88 Resp: 98

Ion Ratio Lower Upper

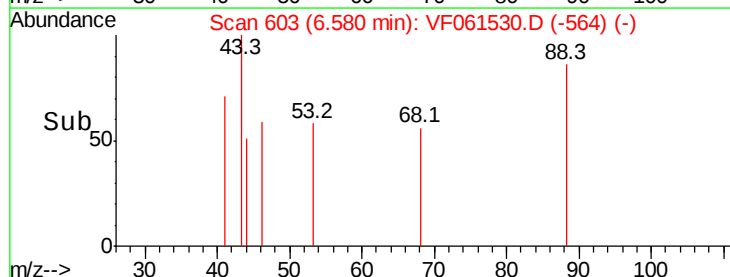
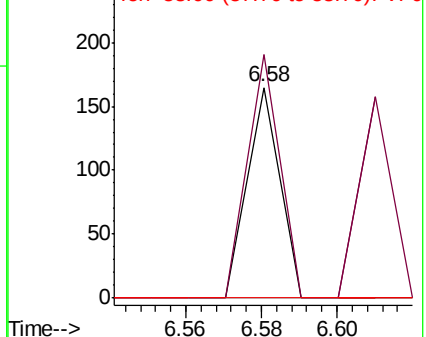
88 100

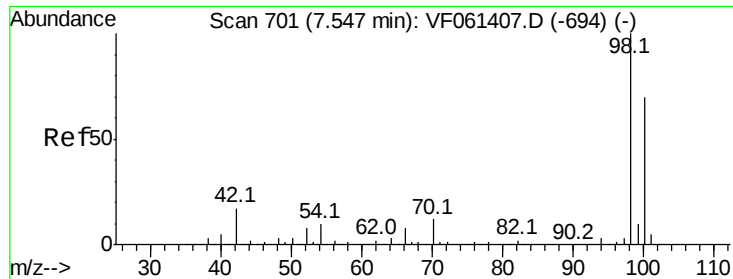
43 115.8 55.5 83.3#

58 0.0 59.9 89.9#



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

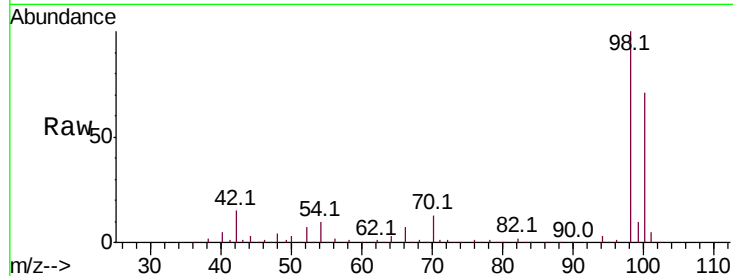




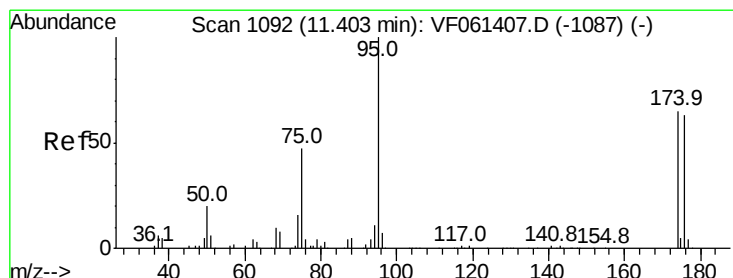
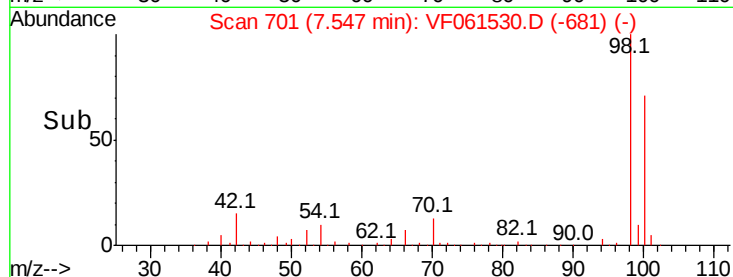
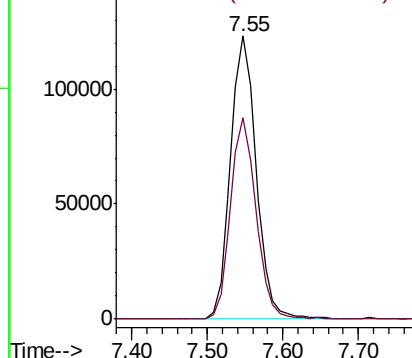
#50
Toluene-d8
Concen: 33.415 ug/l
RT: 7.55 min Scan# 701
Delta R.T. 0.00 min
Lab File: VF061530.D
Acq: 25 Jan 2019 19:43

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 98 Resp: 289324
Ion Ratio Lower Upper
98 100
100 71.1 55.6 83.4

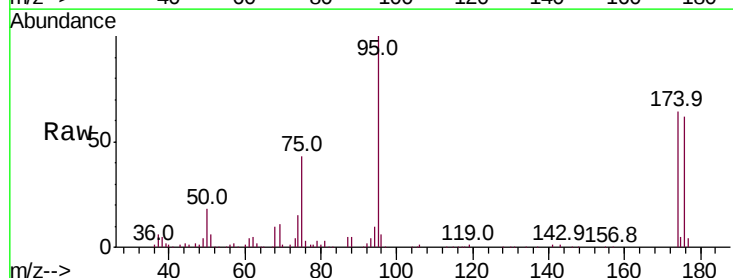


Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF

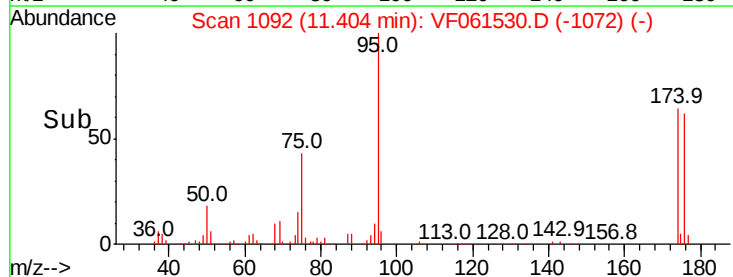
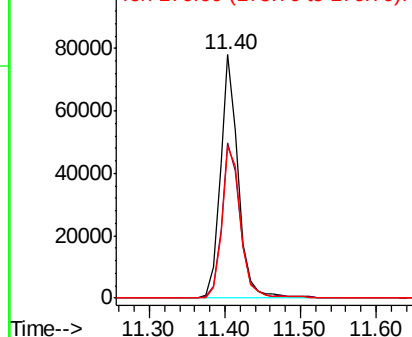


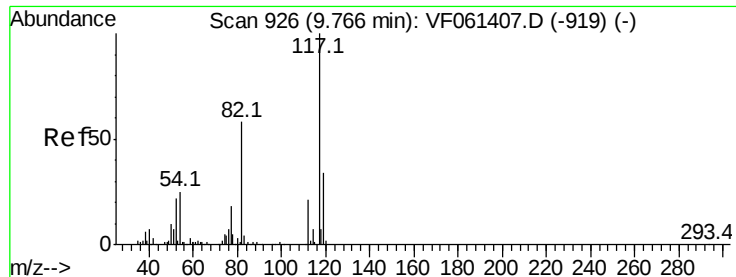
#62
4-Bromofluorobenzene
Concen: 31.941 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VF061530.D
Acq: 25 Jan 2019 19:43

Tgt Ion: 95 Resp: 129220
Ion Ratio Lower Upper
95 100
174 63.7 0.0 130.4
176 62.3 0.0 126.2



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

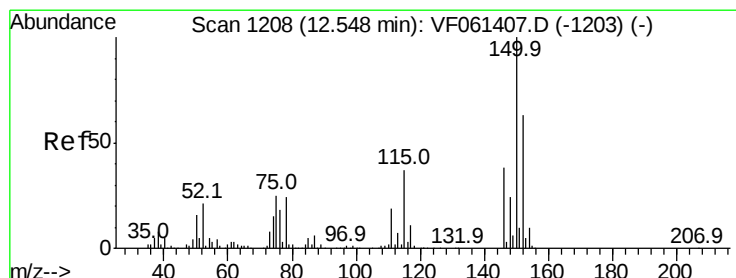
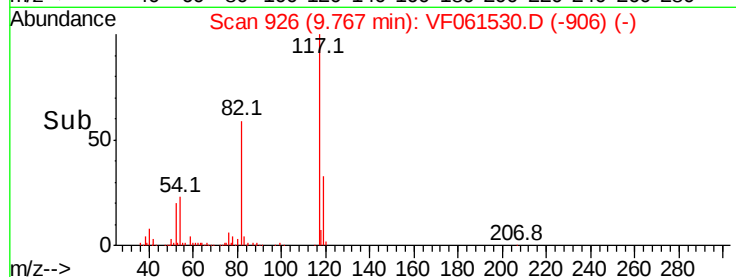
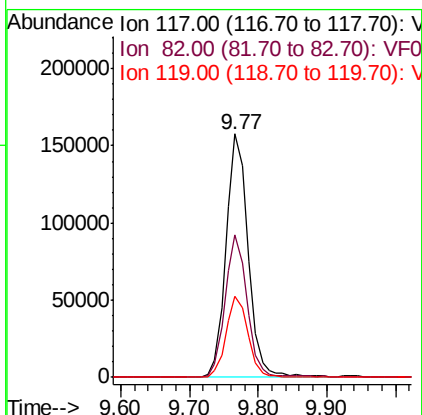
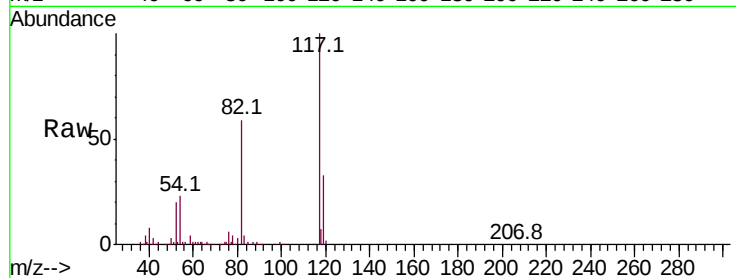




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 926
Delta R.T. 0.00 min
Lab File: VF061530.D
Acq: 25 Jan 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	46.4	69.6
119	33.2	27.2	40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VF061530.D
Acq: 25 Jan 2019 19:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	30.0	90.0
150	152.5	0.0	321.4

