

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121918\
 Data File : VF061089.D
 Acq On : 19 Dec 2018 17:11
 Operator : VA/AP
 Sample : J6388-10
 Misc : 3.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 20 02:24:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	196512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	338557	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	226041	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	60187	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	96526	38.19	ug/l	0.00
Spiked Amount			Recovery	=	76.38%	
35) Dibromofluoromethane	4.11	113	116320	42.89	ug/l	0.00
Spiked Amount			Recovery	=	85.78%	
50) Toluene-d8	7.56	98	246221	32.04	ug/l	0.00
Spiked Amount			Recovery	=	64.08%	
62) 4-Bromofluorobenzene	11.41	95	71676	20.23	ug/l	0.00
Spiked Amount			Recovery	=	40.46%	

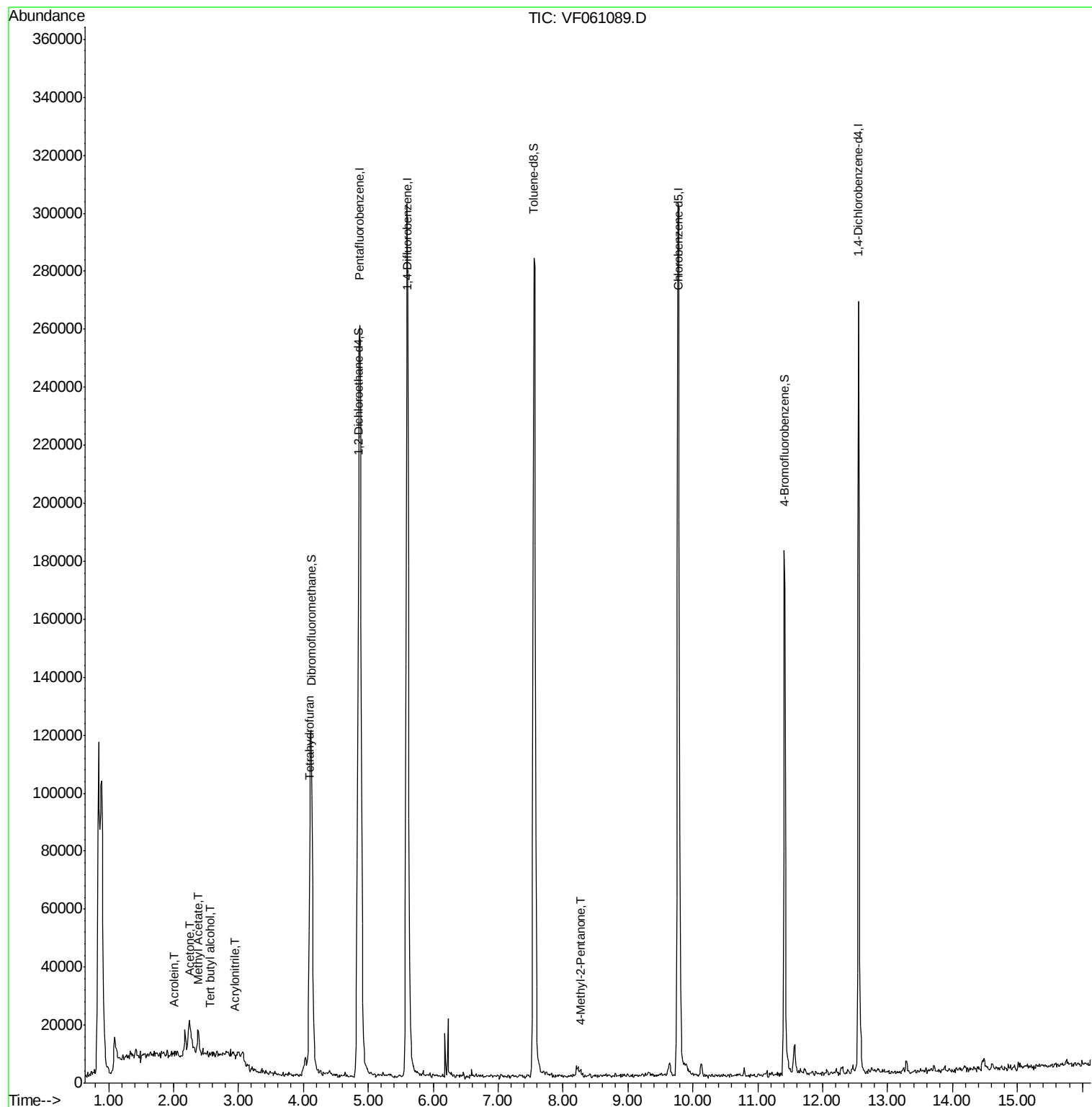
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	154	1.510	ug/l #	1
13) Acrolein	2.01	56	823	11.167	ug/l	92
15) Acrylonitrile	2.95	53	743	3.150	ug/l #	68
16) Acetone	2.24	43	5540	10.964	ug/l	99
18) Methyl Acetate	2.37	43	3621	3.464	ug/l #	66
20) Methylene Chloride	2.24	84	6833	Below Cal	#	92
29) Tetrahydrofuran	4.09	42	423	1.268	ug/l #	37
51) 4-Methyl-2-Pentanone	8.27	43	1435	1.060	ug/l #	72
70) Styrene	10.79	104	906	Below Cal	#	77
78) n-propylbenzene	11.60	91	1006	Below Cal		90
87) 1,3-Dichlorobenzene	12.47	146	316	Below Cal	#	25

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121918\
Data File : VF061089.D
Acq On : 19 Dec 2018 17:11
Operator : VA/AP
Sample : J6388-10
Misc : 3.03g/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Dec 20 02:24:04 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF061089.D

Acq: 19 Dec 2018 17:11

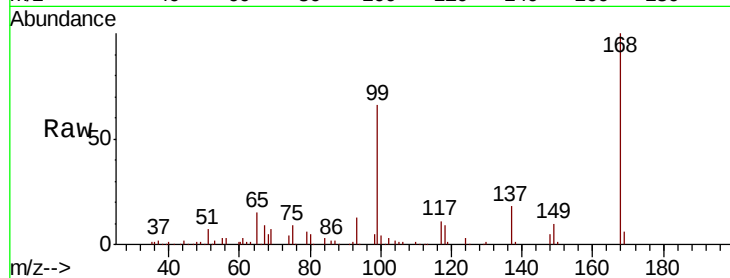
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 196512

Ion Ratio Lower Upper

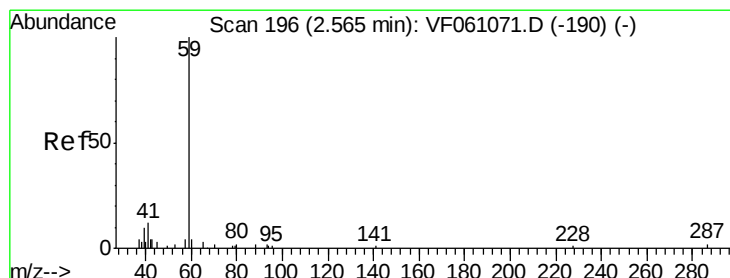
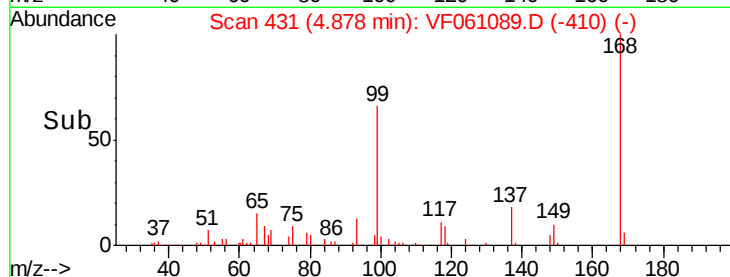
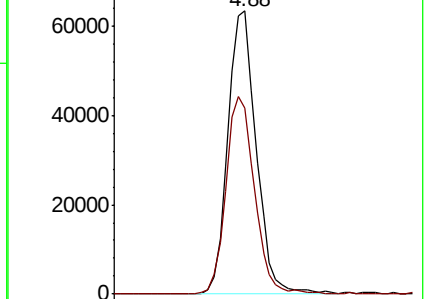
168 100

99 65.7 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 1.510 ug/l

RT: 2.57 min Scan# 197

Delta R.T. 0.01 min

Lab File: VF061089.D

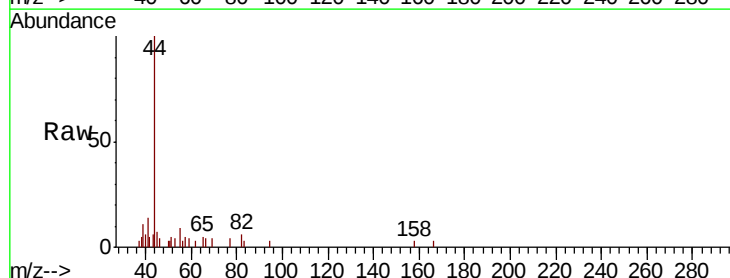
Acq: 19 Dec 2018 17:11

Tgt Ion: 59 Resp: 154

Ion Ratio Lower Upper

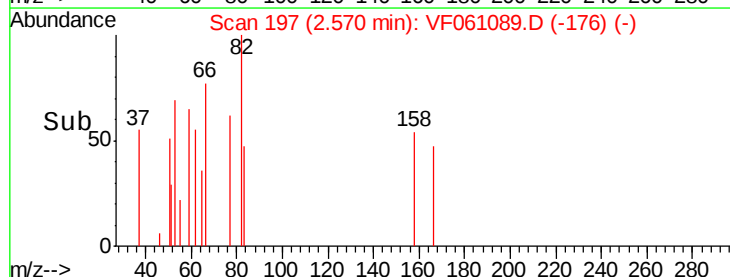
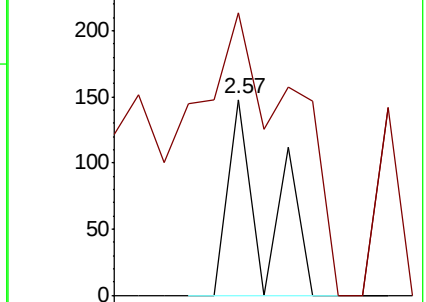
59 100

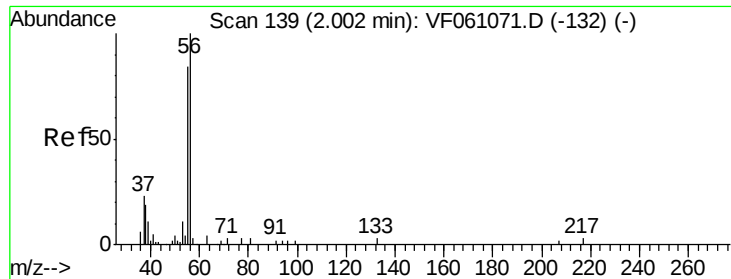
57 144.6 11.5 17.3#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 11.167 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF061089.D

Acq: 19 Dec 2018 17:11

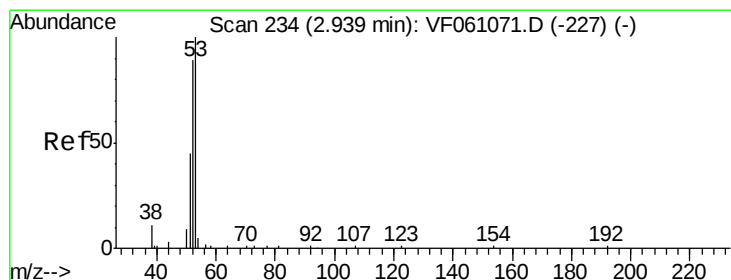
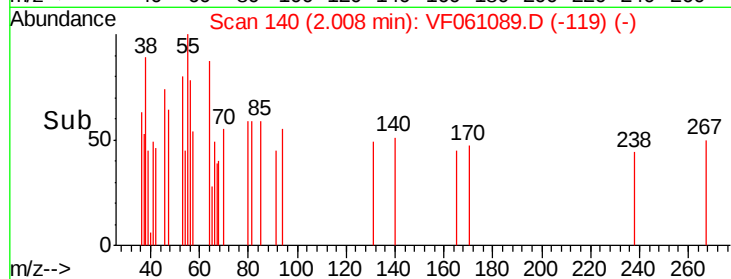
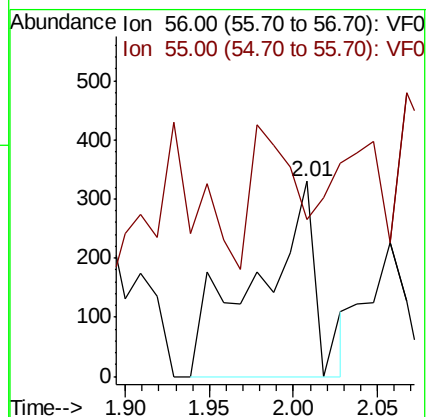
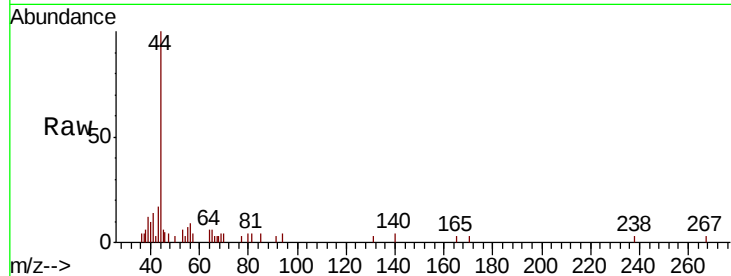
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 823

Ion Ratio Lower Upper

56 100

55 80.3 70.2 105.2



#15

Acrylonitrile

Concen: 3.150 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.01 min

Lab File: VF061089.D

Acq: 19 Dec 2018 17:11

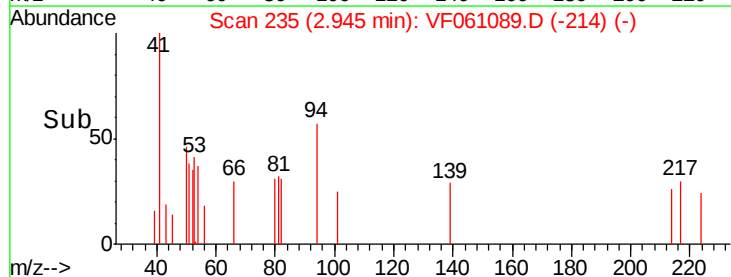
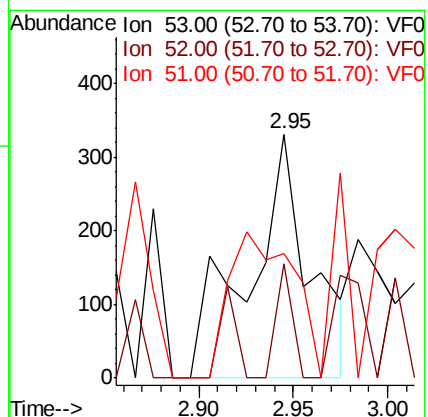
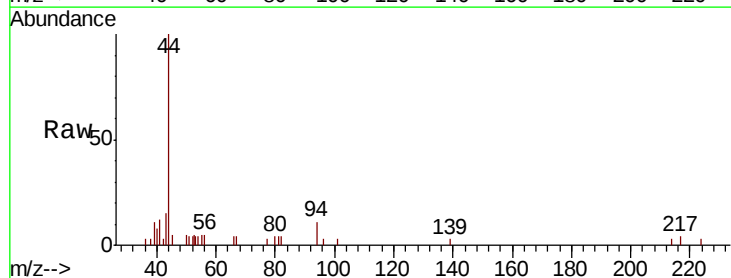
Tgt Ion: 53 Resp: 743

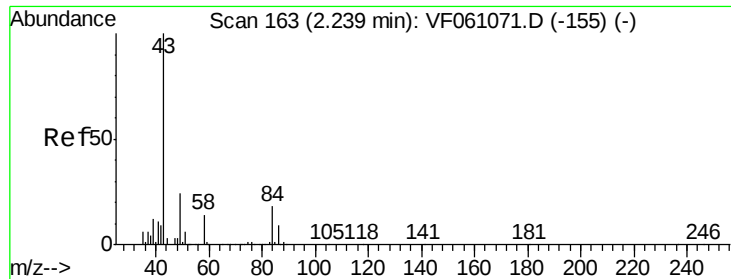
Ion Ratio Lower Upper

53 100

52 47.1 71.3 106.9#

51 51.4 36.8 55.2

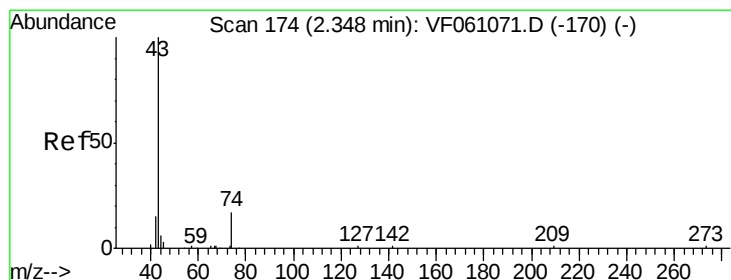
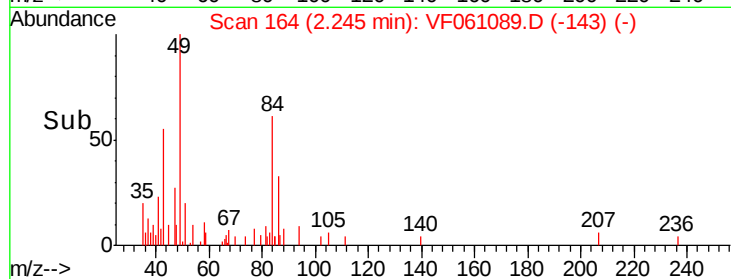
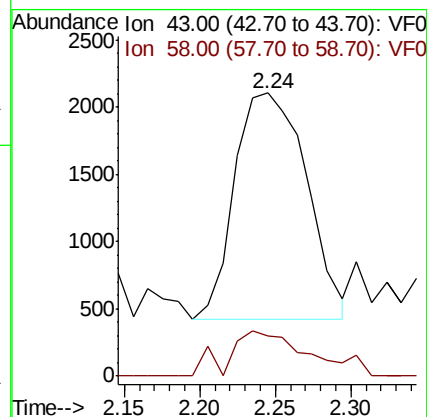
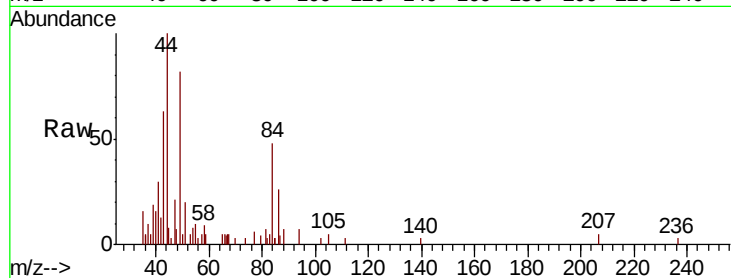




#16
Acetone
Concen: 10.964 ug/l
RT: 2.24 min Scan# 164
Delta R.T. 0.01 min
Lab File: VF061089.D
Acq: 19 Dec 2018 17:11

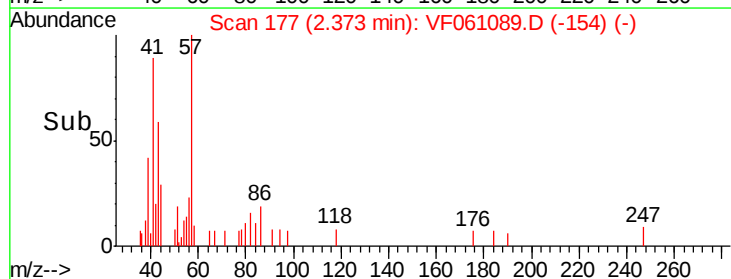
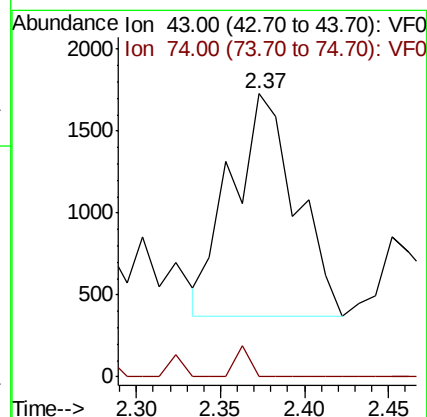
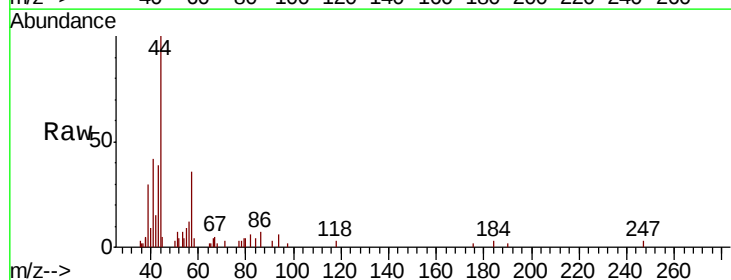
Instrument :
MSVOA_F
ClientSampleId :

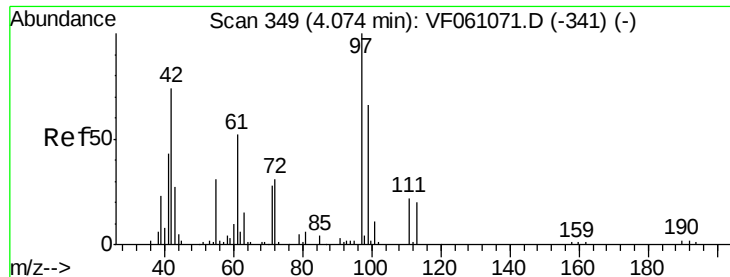
Tot Ion: 43 Resp: 5540
Ion Ratio Lower Upper
43 100
58 14.1 11.1 16.7



#18
Methyl Acetate
Concen: 3.464 ug/l
RT: 2.37 min Scan# 177
Delta R.T. 0.03 min
Lab File: VF061089.D
Acq: 19 Dec 2018 17:11

Tgt Ion: 43 Resp: 3621
Ion Ratio Lower Upper
43 100
74 0.0 11.0 16.6#

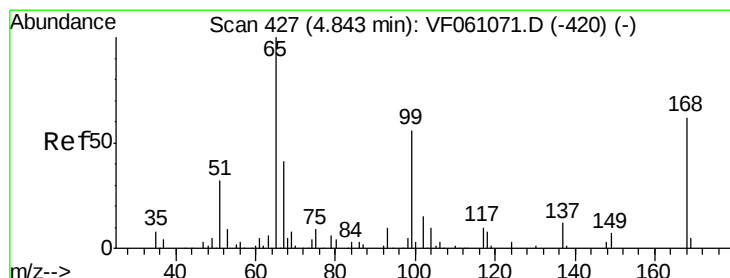
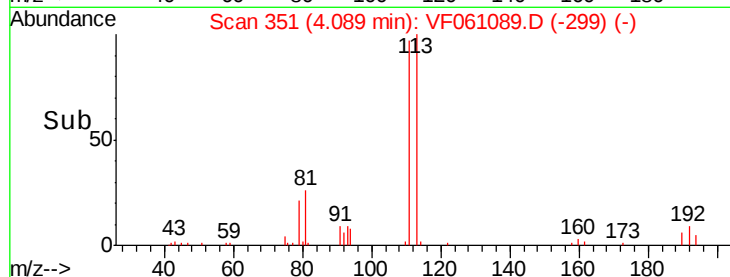
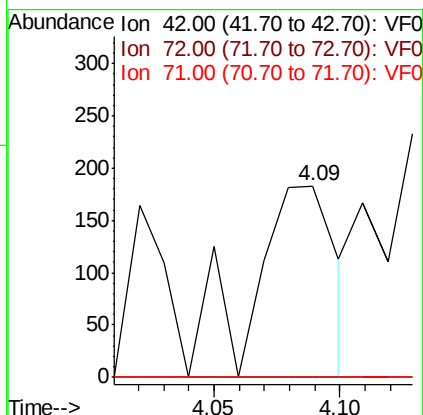
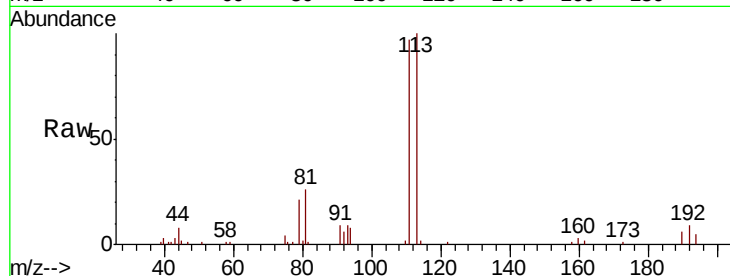




#29
Tetrahydrofuran
Concen: 1.268 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.02 min
Lab File: VF061089.D
Acq: 19 Dec 2018 17:11

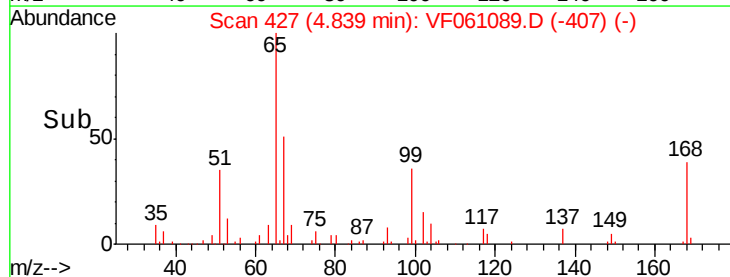
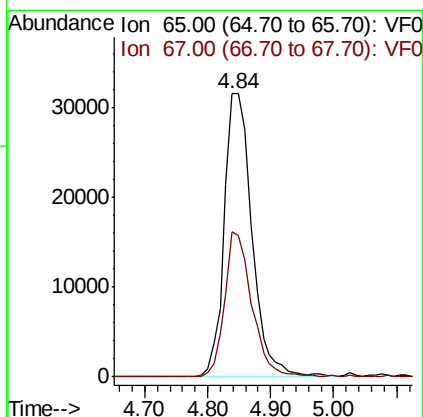
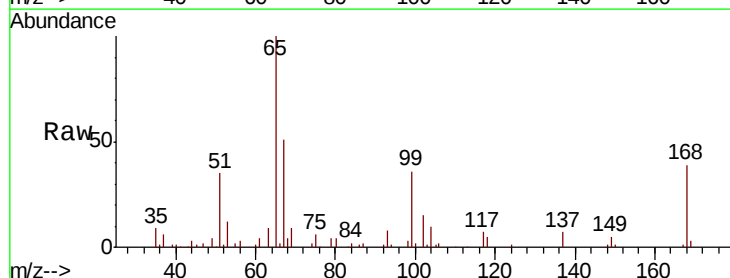
Instrument :
MSVOA_F
ClientSampleId :

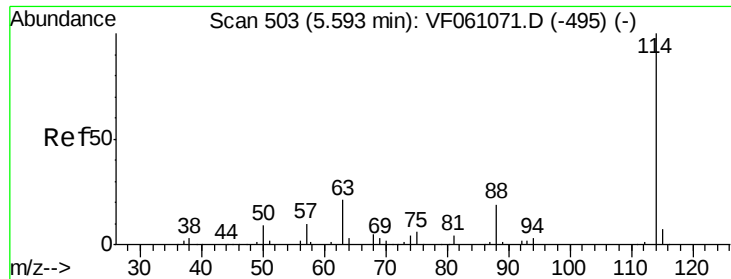
Tot Ion: 42 Resp: 423
Ion Ratio Lower Upper
42 100
72 0.0 31.8 47.8#
71 0.0 29.7 44.5#



#33
1,2-Dichloroethane-d4
Concen: 38.191 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.00 min
Lab File: VF061089.D
Acq: 19 Dec 2018 17:11

Tgt Ion: 65 Resp: 96526
Ion Ratio Lower Upper
65 100
67 51.4 0.0 94.6

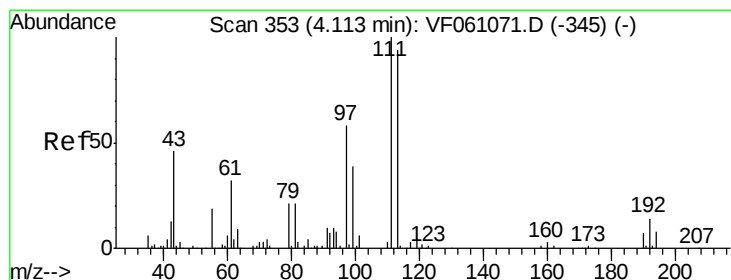
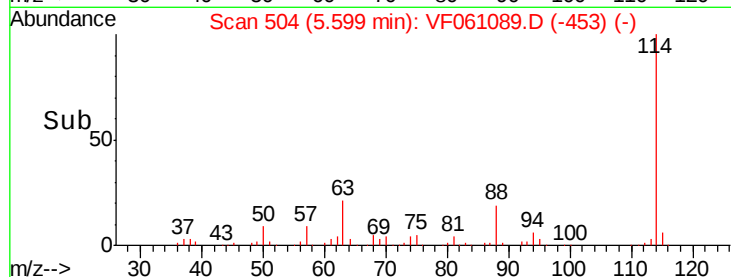
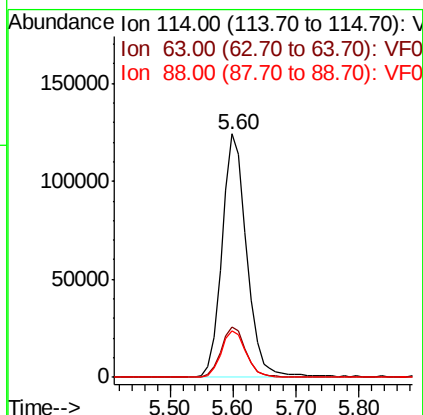
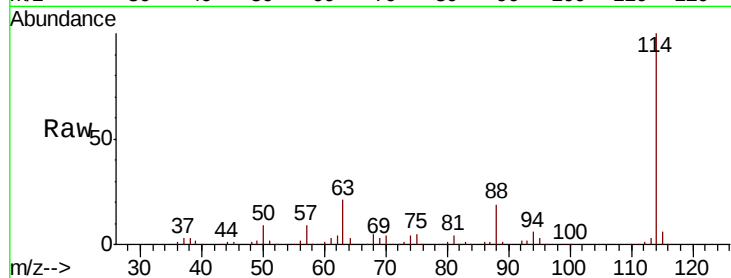




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VF061089.D
 Acq: 19 Dec 2018 17:11

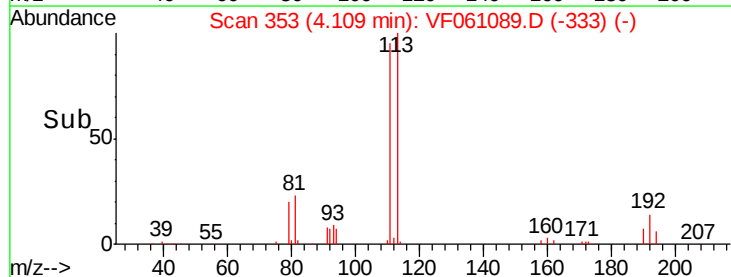
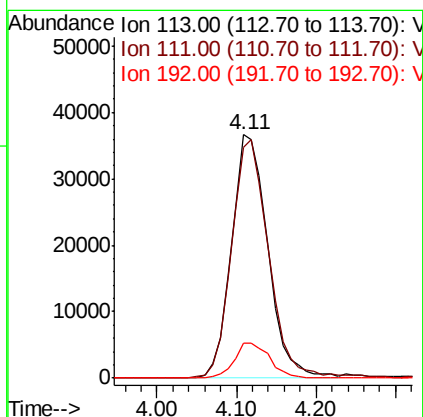
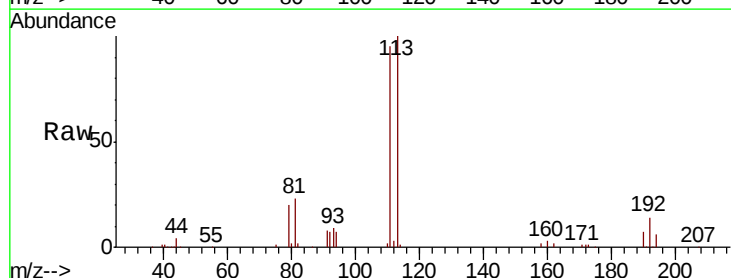
Instrument :
 MSVOA_F
 ClientSampleId :

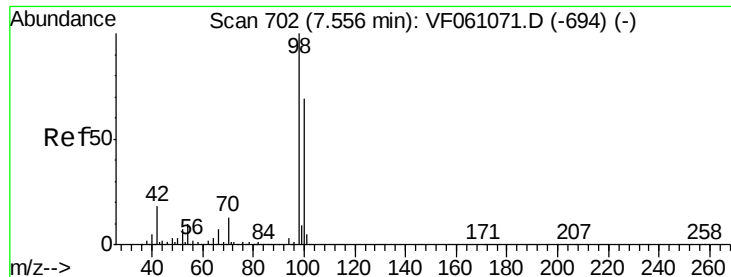
Tot Ion:114 Resp: 338557
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.6
 88 19.2 0.0 38.0



#35
 Dibromofluoromethane
 Concen: 42.890 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VF061089.D
 Acq: 19 Dec 2018 17:11

Tgt Ion:113 Resp: 116320
 Ion Ratio Lower Upper
 113 100
 111 95.0 85.2 127.8
 192 14.4 12.8 19.2





#50

Toluene-d8

Concen: 32.037 ug/l

RT: 7.56 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF061089.D

Acq: 19 Dec 2018 17:11

Instrument :

MSVOA_F

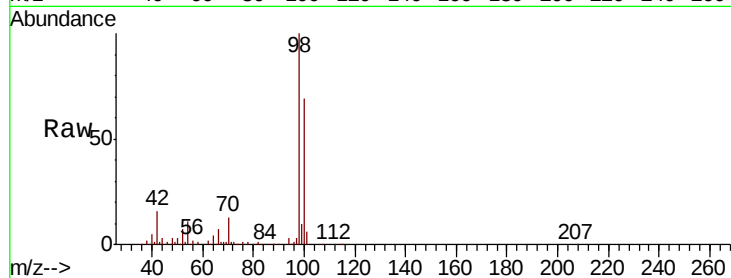
ClientSampleId :

Tot Ion: 98 Resp: 246221

Ion Ratio Lower Upper

98 100

100 69.4 55.3 82.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.56

100000

80000

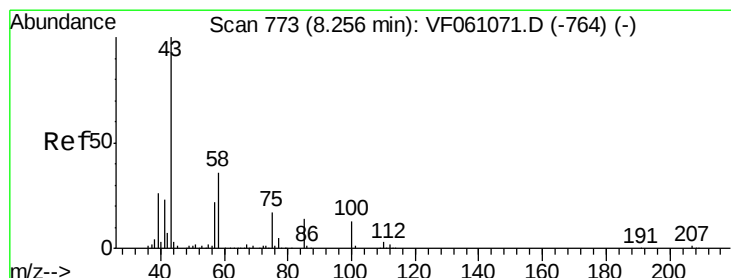
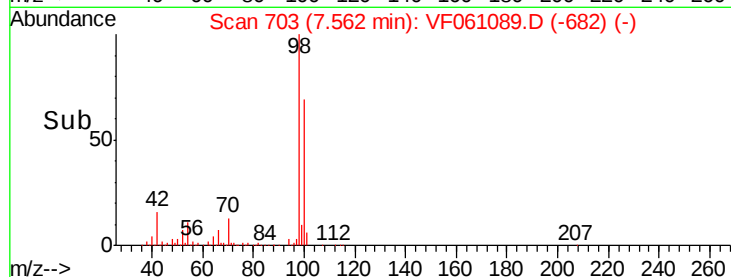
60000

40000

20000

0

Time--> 7.40 7.50 7.60 7.70



#51

4-Methyl-2-Pentanone

Concen: 1.060 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.02 min

Lab File: VF061089.D

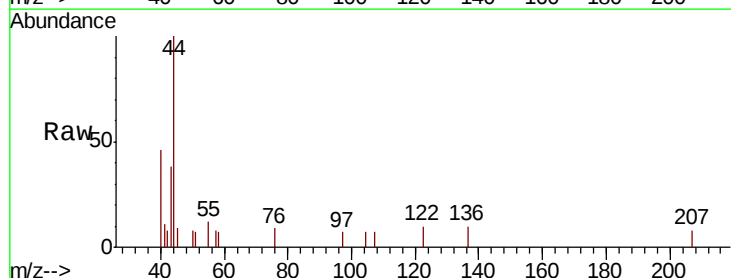
Acq: 19 Dec 2018 17:11

Tgt Ion: 43 Resp: 1435

Ion Ratio Lower Upper

43 100

58 19.7 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.27

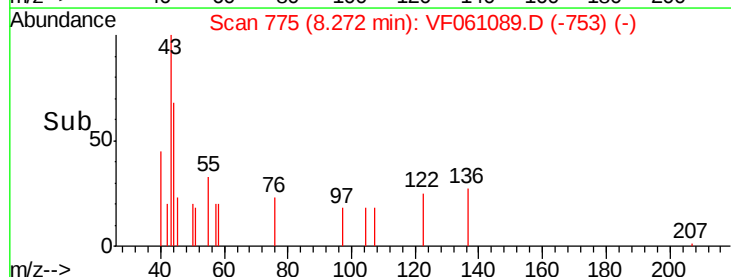
600

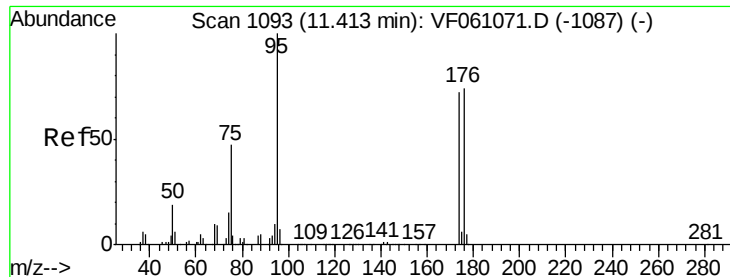
400

200

0

Time--> 8.15 8.20 8.25 8.30 8.35

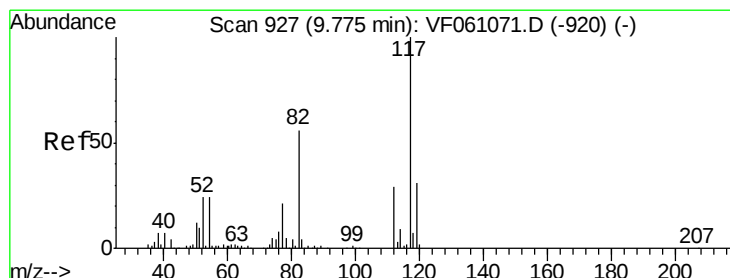
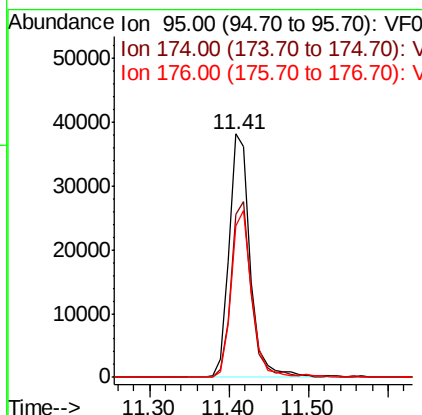
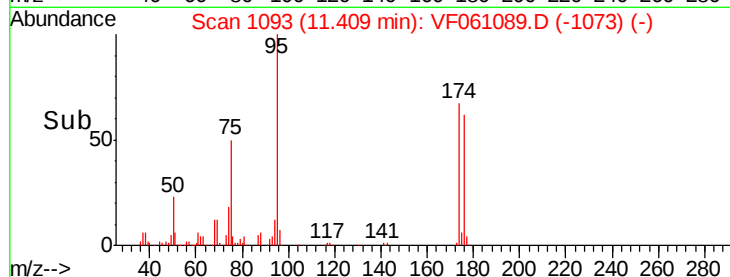
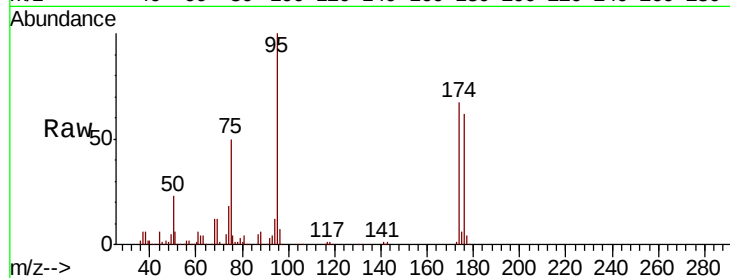




#62
4-Bromofluorobenzene
Concen: 20.229 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VF061089.D
Acq: 19 Dec 2018 17:11

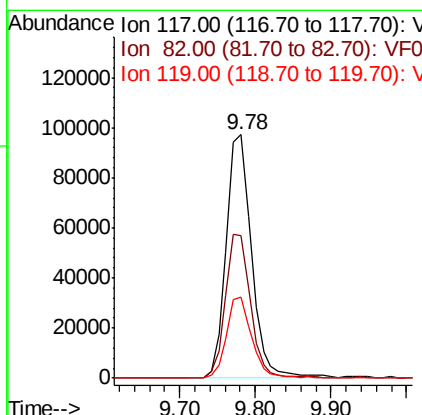
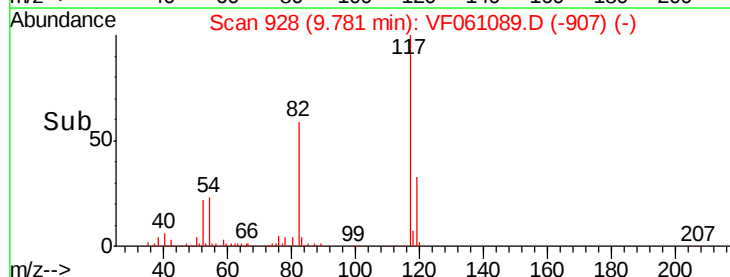
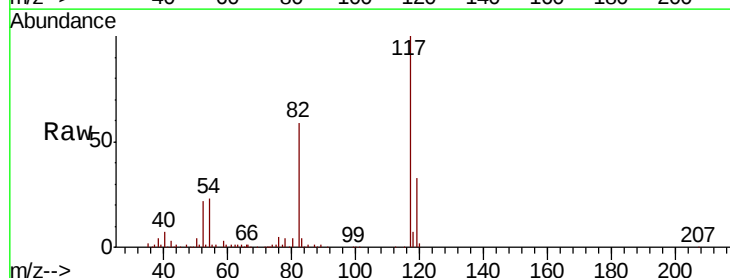
Instrument :
MSVOA_F
ClientSampled :

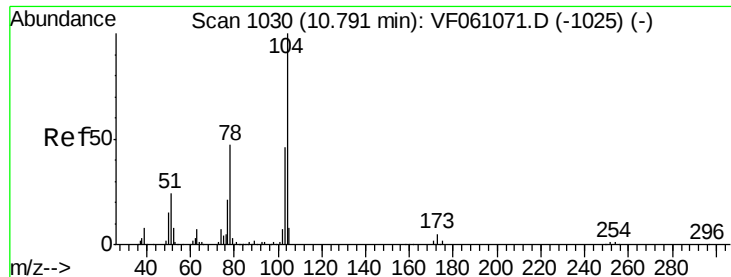
Tot Ion: 95 Resp: 71676
Ion Ratio Lower Upper
95 100
174 66.7 0.0 143.8
176 62.0 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF061089.D
Acq: 19 Dec 2018 17:11

Tgt Ion: 117 Resp: 226041
Ion Ratio Lower Upper
117 100
82 58.8 45.0 67.4
119 33.1 24.8 37.2

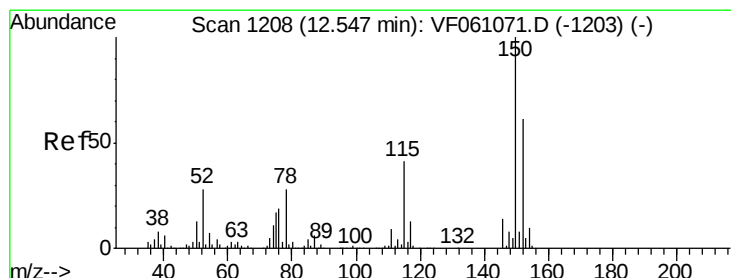
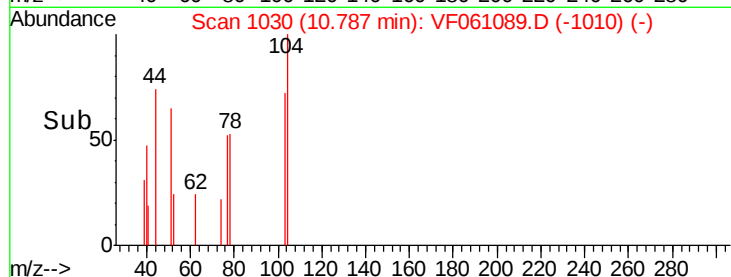
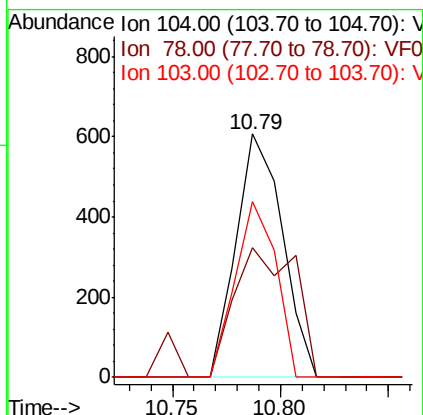
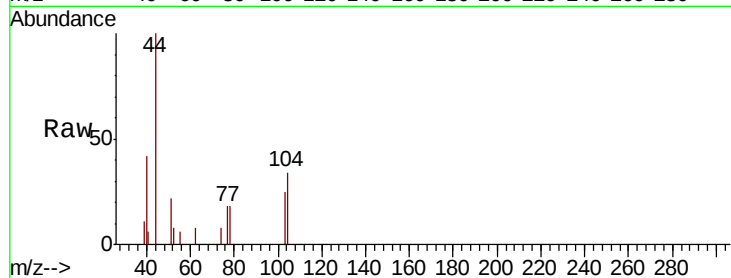




#70
Stvrene
Concen: Below Cal
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061089.D
Acq: 19 Dec 2018 17:11

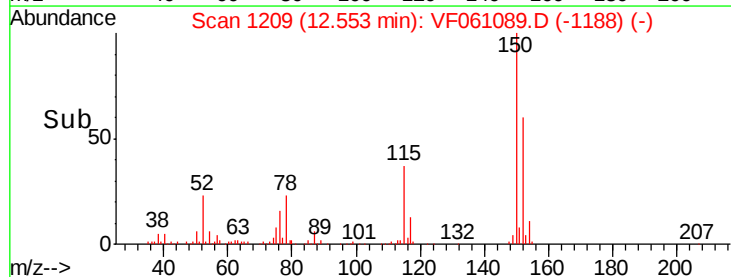
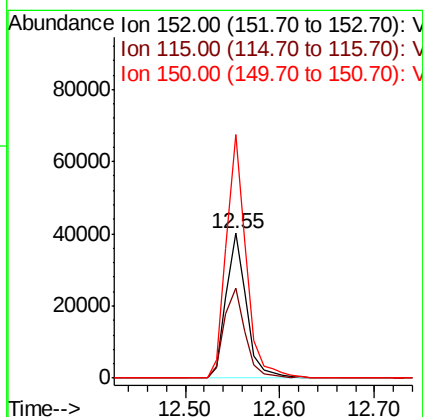
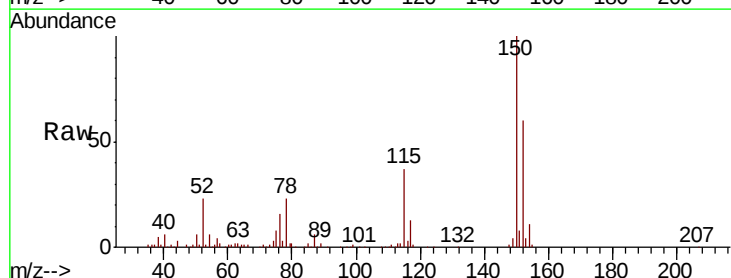
Instrument :
MSVOA_F
ClientSampleId :

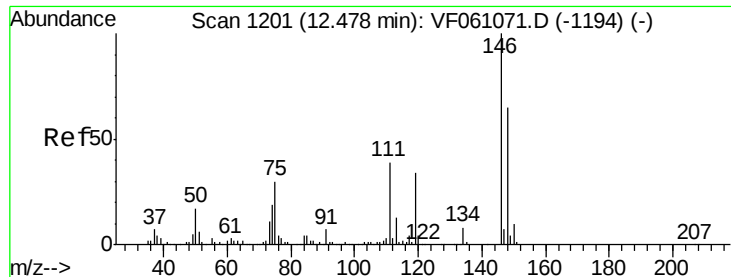
Tot Ion:104 Resp: 906
Ion Ratio Lower Upper
104 100
78 53.2 38.4 57.6
103 72.5 37.0 55.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF061089.D
Acq: 19 Dec 2018 17:11

Tgt Ion:152 Resp: 60187
Ion Ratio Lower Upper
152 100
115 62.5 33.3 99.9
150 168.0 0.0 328.2

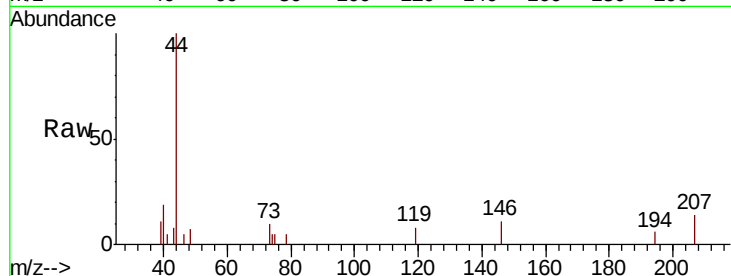




#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF061089.D
 Acq: 19 Dec 2018 17:11

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.3	57.9#
148	0.0	32.4	97.2#



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

