

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121418\
 Data File : VF061025.D
 Acq On : 14 Dec 2018 17:39
 Operator : VA/AP
 Sample : J6403-29RE
 Misc : 5.25g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 15 00:07:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	243215	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	396197	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	302291	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	95336	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	128339	44.79	ug/l	-0.05
Spiked Amount			Recovery	=	89.58%	
35) Dibromofluoromethane	4.10	113	149286	47.50	ug/l	-0.05
Spiked Amount			Recovery	=	95.00%	
50) Toluene-d8	7.54	98	374459	40.44	ug/l	-0.05
Spiked Amount			Recovery	=	80.88%	
62) 4-Bromofluorobenzene	11.41	95	123142	29.26	ug/l	-0.03
Spiked Amount			Recovery	=	58.52%	

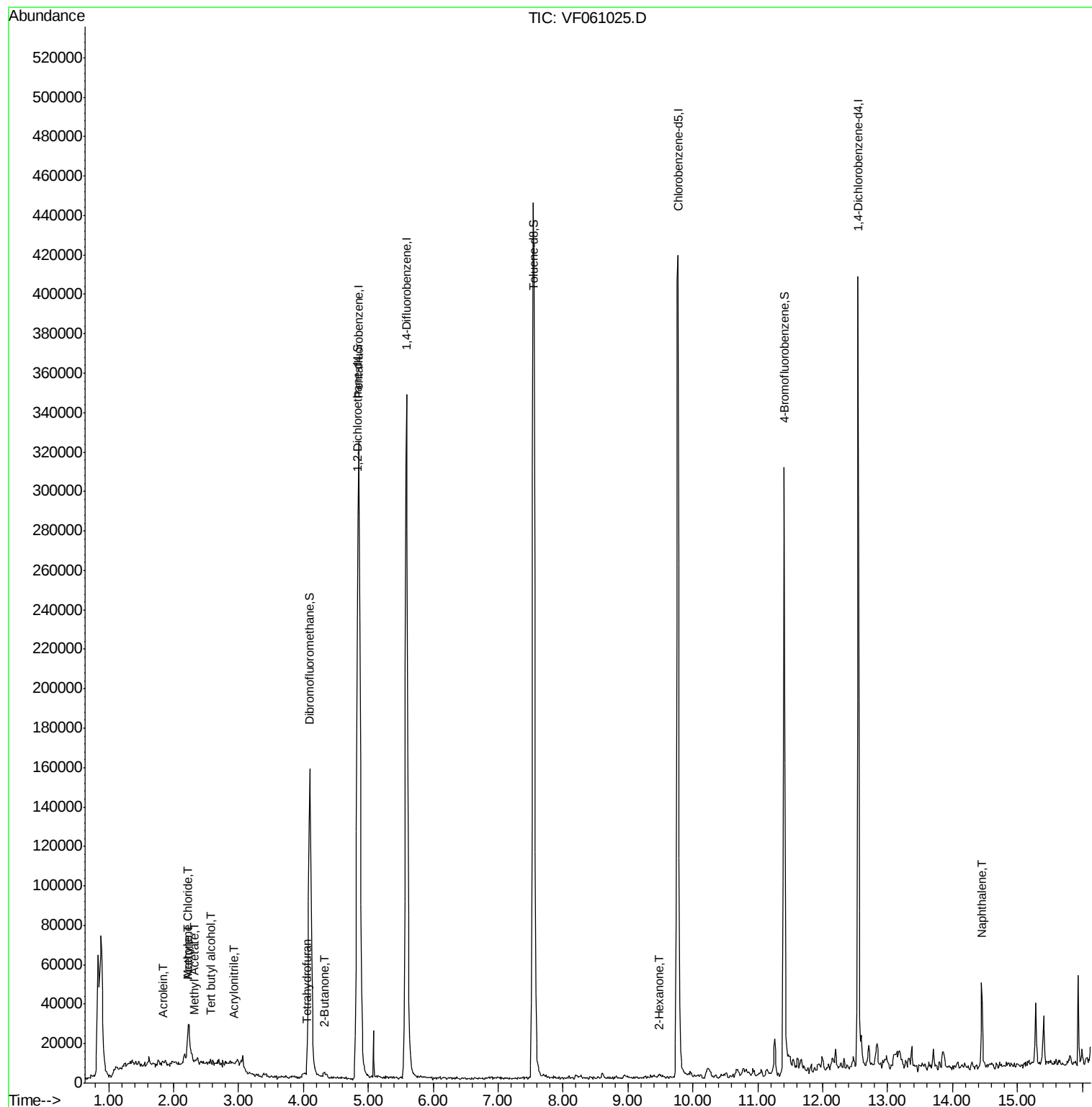
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	369	3.142	ug/l #	1
13) Acrolein	1.85	56	431	3.873	ug/l	88
15) Acrylonitrile	2.93	53	930	3.532	ug/l #	33
16) Acetone	2.23	43	31159	58.974	ug/l #	92
18) Methyl Acetate	2.33	43	4020	2.983	ug/l #	83
20) Methylene Chloride	2.23	84	4362	2.250	ug/l #	81
25) 2-Butanone	4.33	43	7023	7.685	ug/l #	90
29) Tetrahydrofuran	4.04	42	518	1.337	ug/l #	51
41) Methacrylonitrile	4.73	41	227	Below Cal	#	23
43) Isopropyl Acetate	6.91	43	251	Below Cal	#	49
59) 2-Hexanone	9.49	43	1998	1.729	ug/l	66
95) Naphthalene	14.45	128	30827	4.453	ug/l	100

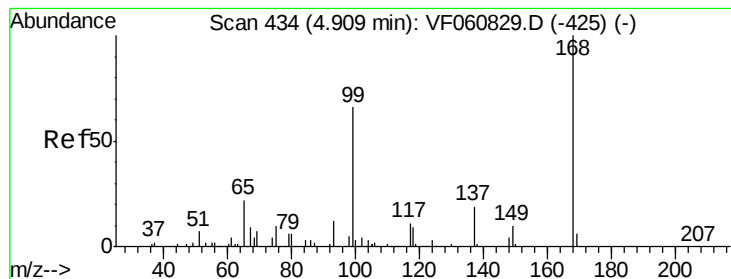
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121418\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.05 min

Lab File: VF061025.D

Acq: 14 Dec 2018 17:39

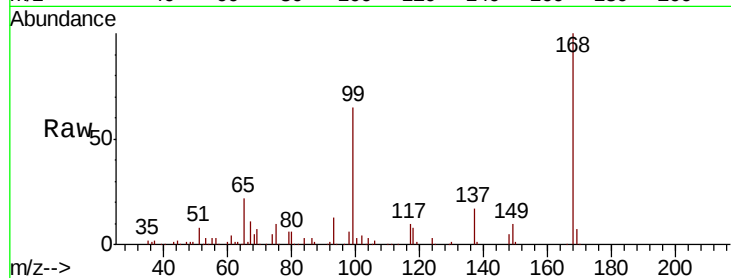
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 243215

Ion Ratio Lower Upper

168 100

99 64.9 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

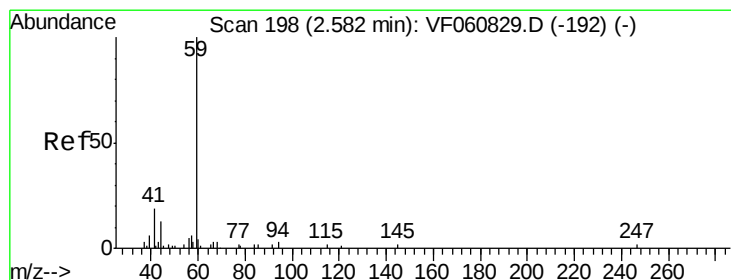
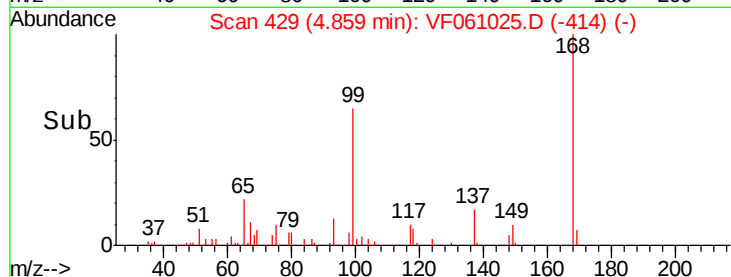
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.142 ug/l

RT: 2.57 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF061025.D

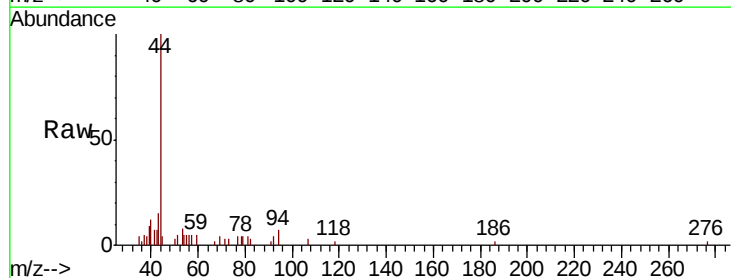
Acq: 14 Dec 2018 17:39

Tgt Ion: 59 Resp: 369

Ion Ratio Lower Upper

59 100

57 101.7 12.7 19.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

300

250

200

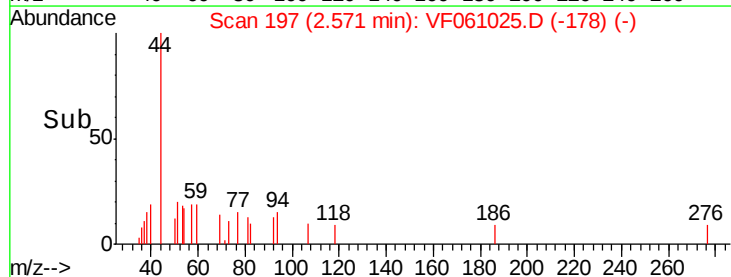
150

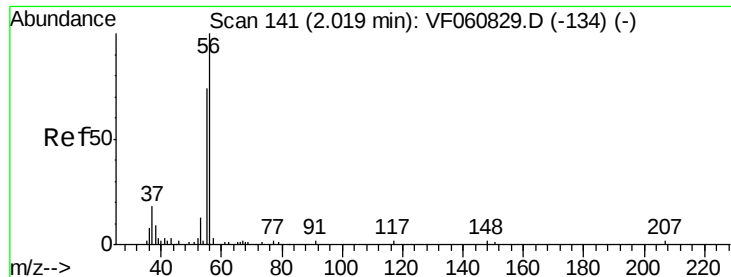
100

50

0

Time-->





#13

Acrolein

Concen: 3.873 ug/l

RT: 1.85 min Scan# 124

Delta R.T. -0.17 min

Lab File: VF061025.D

Acq: 14 Dec 2018 17:39

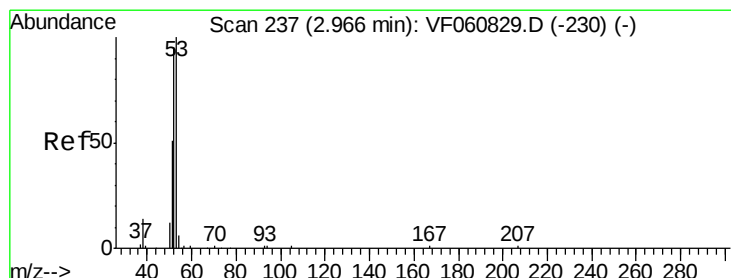
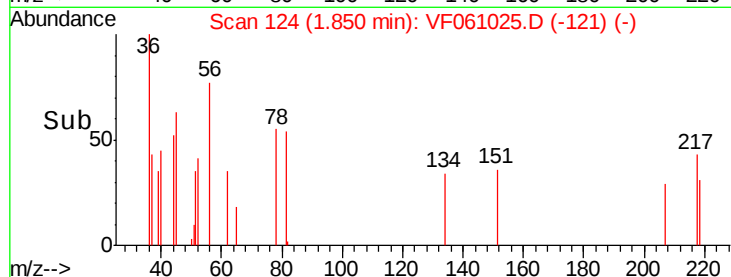
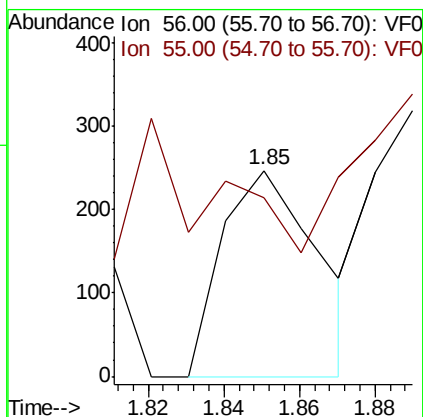
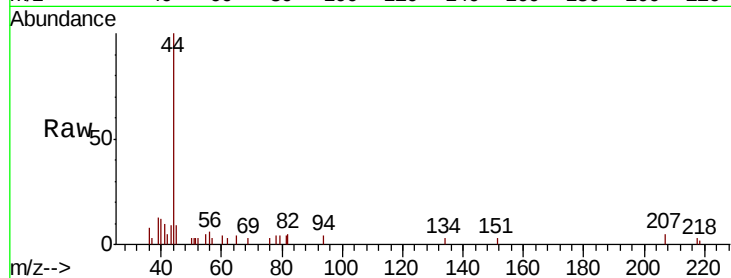
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 431

Ion Ratio Lower Upper

56 100

55 87.0 61.2 91.8



#15

Acrylonitrile

Concen: 3.532 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.04 min

Lab File: VF061025.D

Acq: 14 Dec 2018 17:39

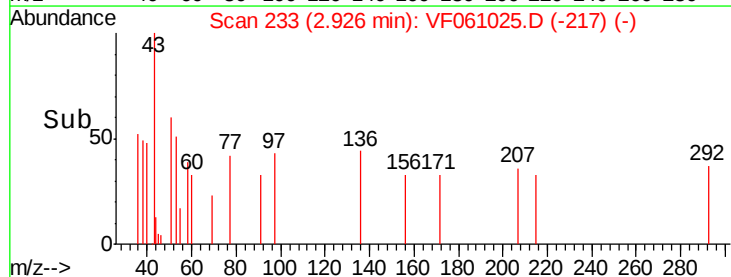
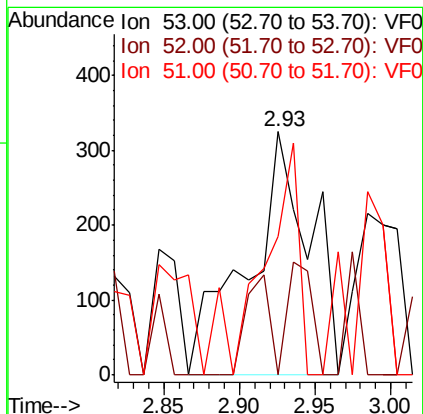
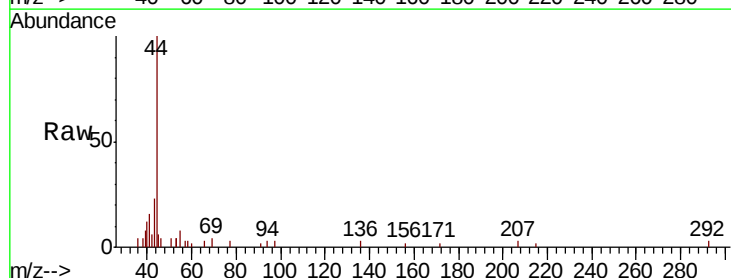
Tgt Ion: 53 Resp: 930

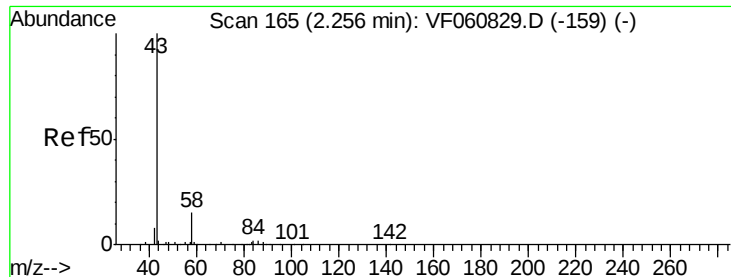
Ion Ratio Lower Upper

53 100

52 0.0 76.5 114.7#

51 56.9 40.7 61.1

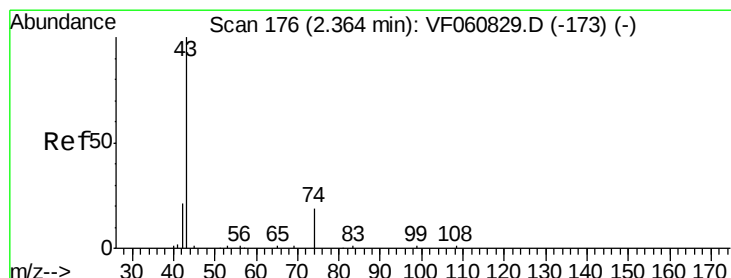
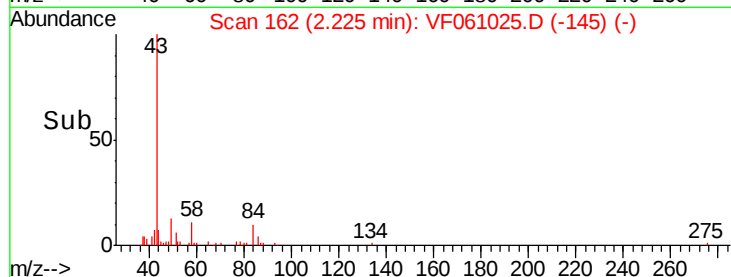
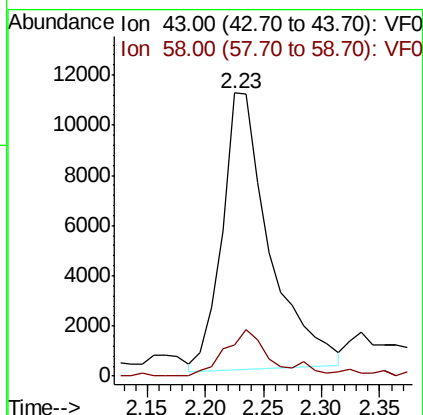
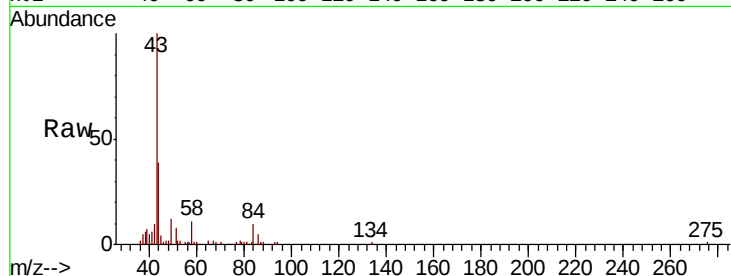




#16
Acetone
Concen: 58.974 ug/l
RT: 2.23 min Scan# 162
Delta R.T. -0.03 min
Lab File: VF061025.D
Acq: 14 Dec 2018 17:39

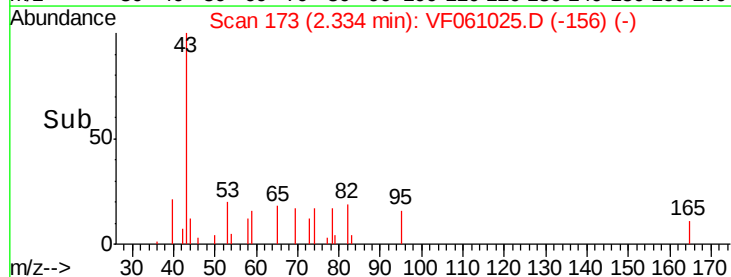
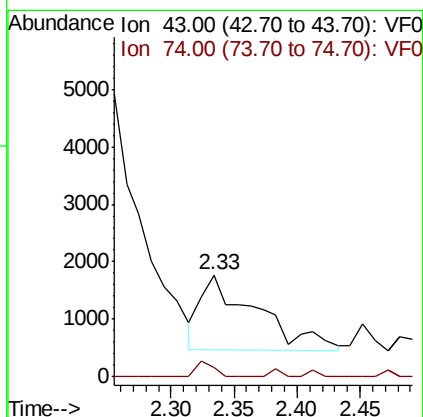
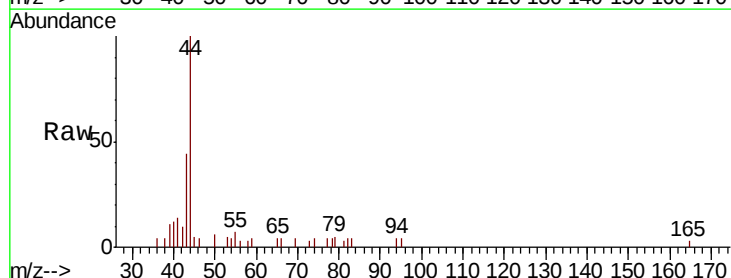
Instrument :
MSVOA_F
ClientSampleId :

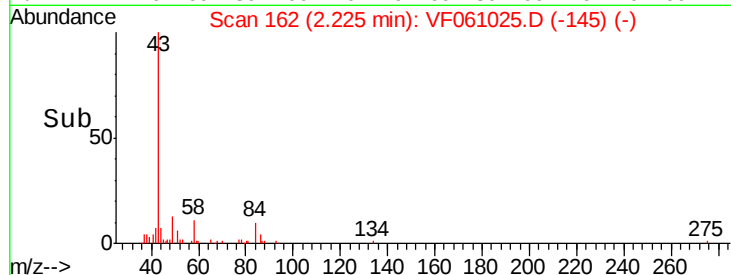
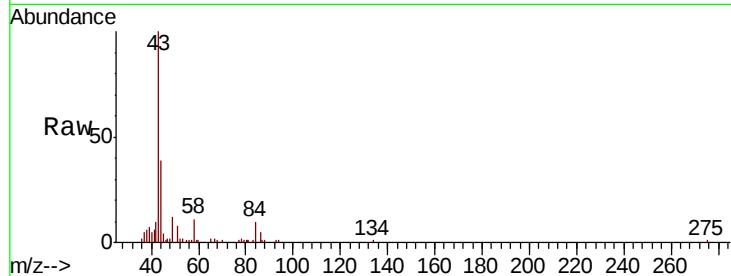
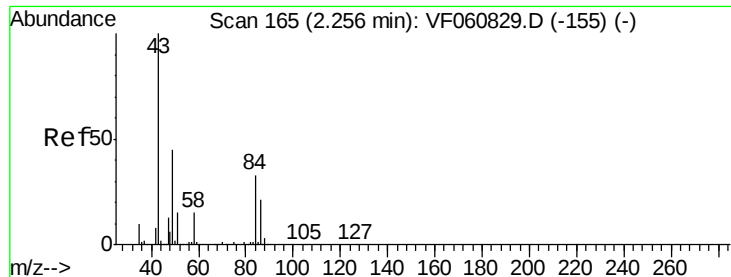
Tot Ion: 43 Resp: 31159
Ion Ratio Lower Upper
43 100
58 10.9 11.4 17.2#



#18
Methyl Acetate
Concen: 2.983 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.03 min
Lab File: VF061025.D
Acq: 14 Dec 2018 17:39

Tgt Ion: 43 Resp: 4020
Ion Ratio Lower Upper
43 100
74 9.1 13.3 19.9#

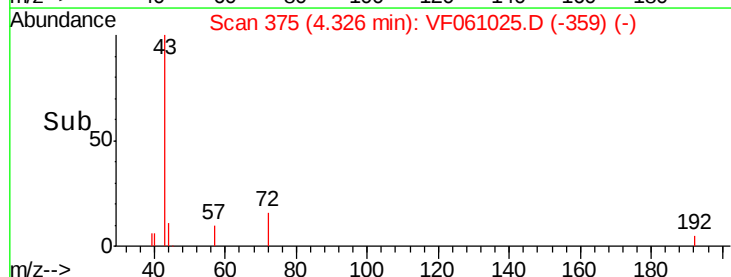
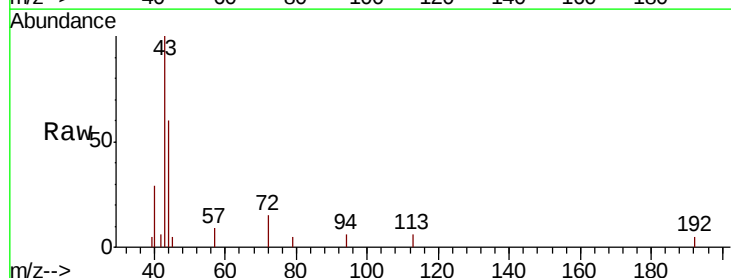
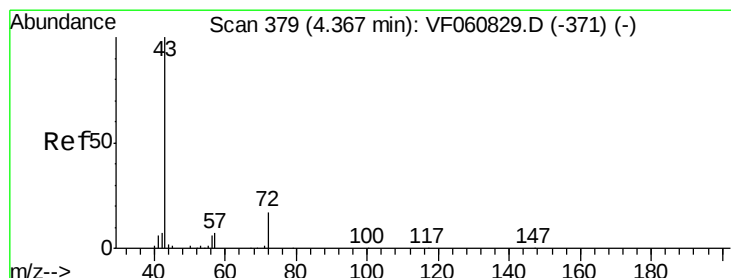
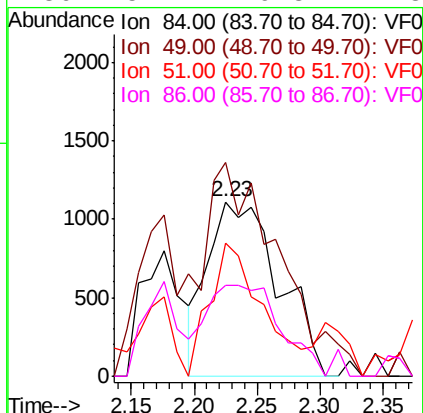




#20
Methvlene Chloride
Concen: 2.250 ug/l
RT: 2.23 min Scan# 162
Delta R.T. -0.03 min
Lab File: VF061025.D
Acq: 14 Dec 2018 17:39

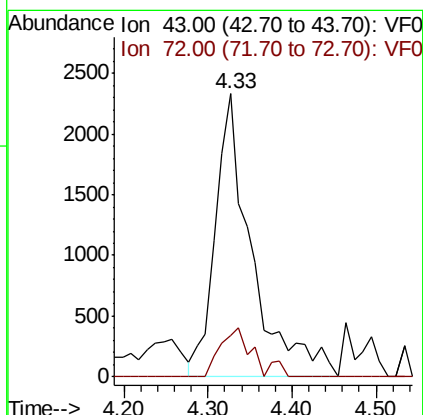
Instrument :
MSVOA_F
ClientSampleId :

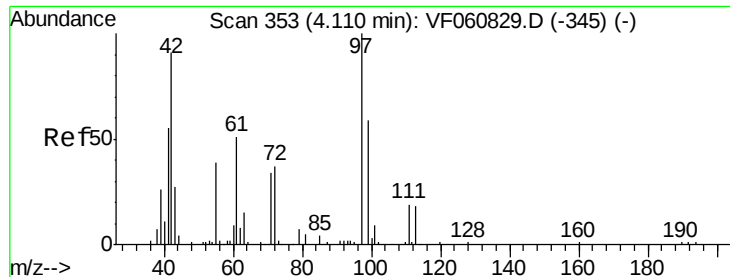
Tot Ion: 84 Resp: 4362
Ion Ratio Lower Upper
84 100
49 122.4 111.3 166.9
51 76.5 38.0 57.0#
86 52.2 49.8 74.8



#25
2-Butanone
Concen: 7.685 ug/l
RT: 4.33 min Scan# 375
Delta R.T. -0.04 min
Lab File: VF061025.D
Acq: 14 Dec 2018 17:39

Tgt Ion: 43 Resp: 7023
Ion Ratio Lower Upper
43 100
72 14.7 15.4 23.2#





#29

Tetrahydrofuran

Concen: 1.337 ug/l

RT: 4.04 min Scan# 346

Delta R.T. -0.07 min

Lab File: VF061025.D

Acq: 14 Dec 2018 17:39

Instrument :

MSVOA_F

ClientSampled :

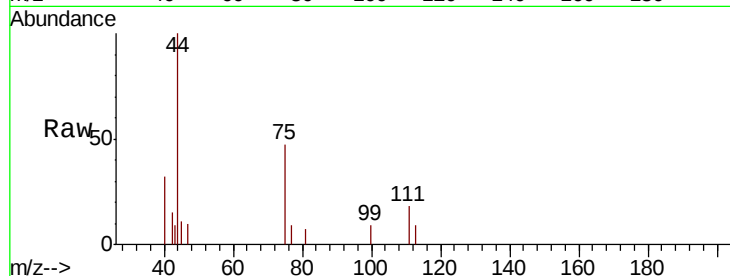
Tot Ion: 42 Resp: 518

Ion Ratio Lower Upper

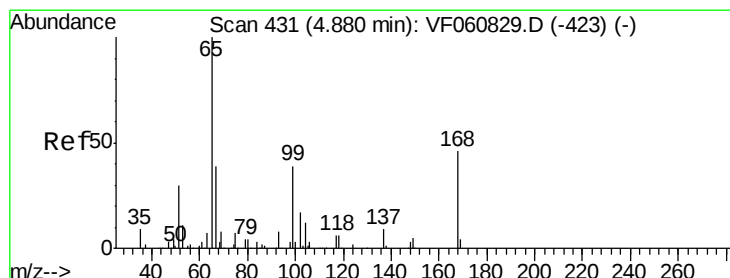
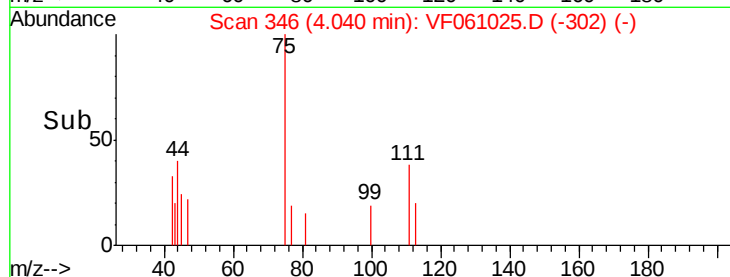
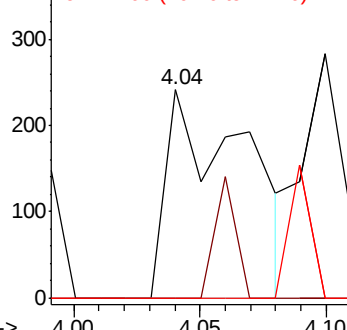
42 100

72 16.0 31.9 47.9#

71 0.0 28.7 43.1#



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: 44.793 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.05 min

Lab File: VF061025.D

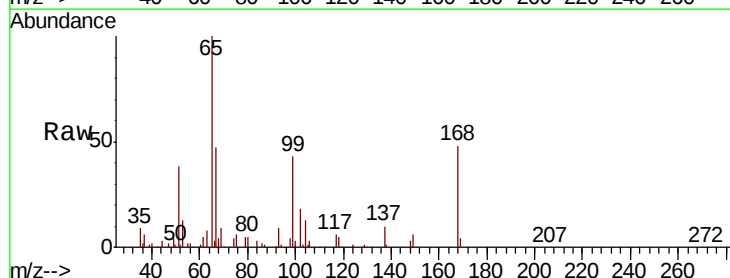
Acq: 14 Dec 2018 17:39

Tgt Ion: 65 Resp: 128339

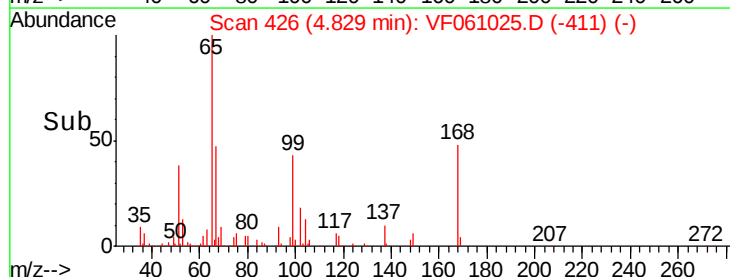
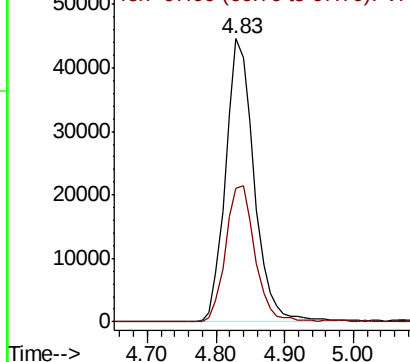
Ion Ratio Lower Upper

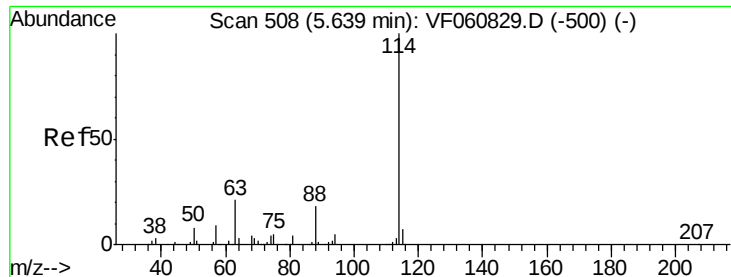
65 100

67 47.3 0.0 96.4



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

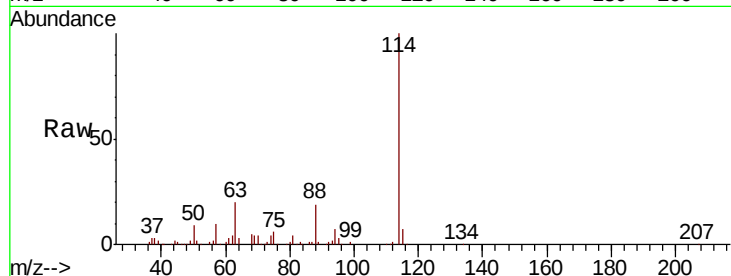




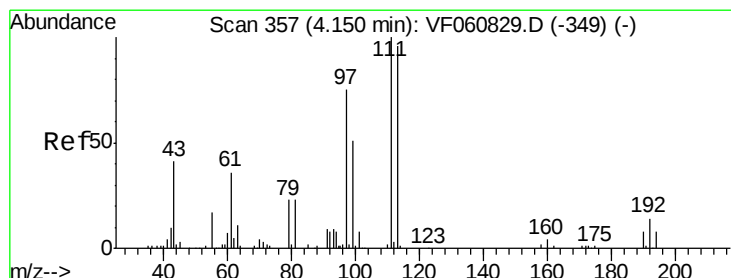
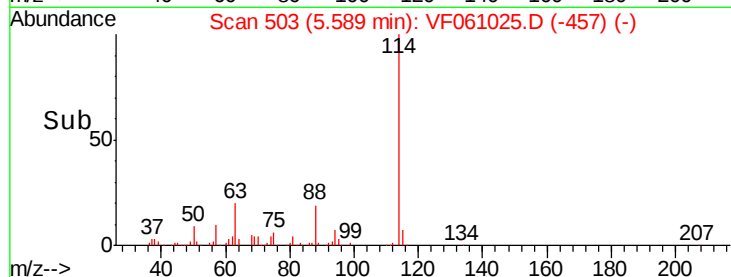
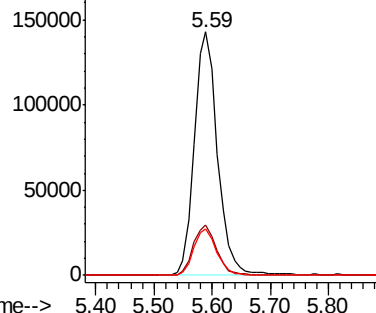
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.05 min
 Lab File: VF061025.D
 Acq: 14 Dec 2018 17:39

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	41.6
88	19.2	0.0	36.6

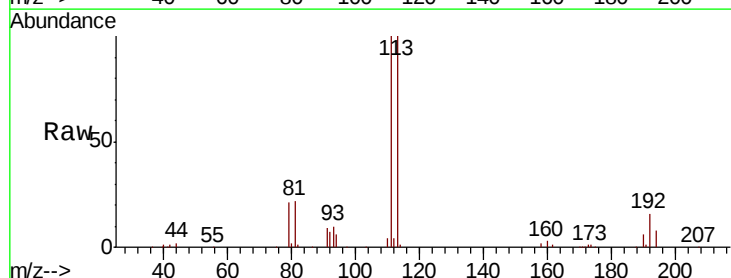


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

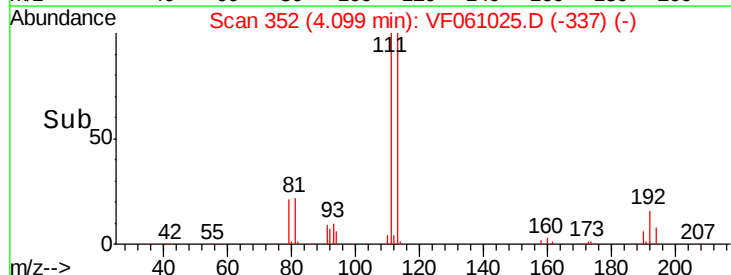
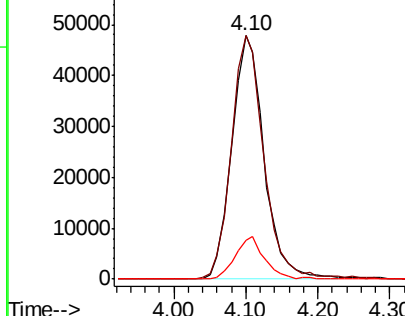


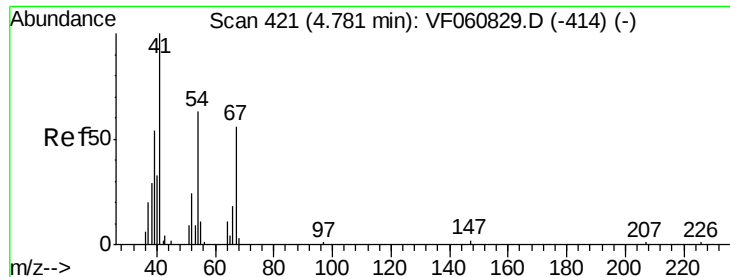
#35
 Dibromofluoromethane
 Concen: 47.496 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.05 min
 Lab File: VF061025.D
 Acq: 14 Dec 2018 17:39

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.8	83.0	124.6
192	16.0	12.3	18.5



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





#41

Methacrylonitrile

Concen: Below Cal

RT: 4.73 min Scan# 416

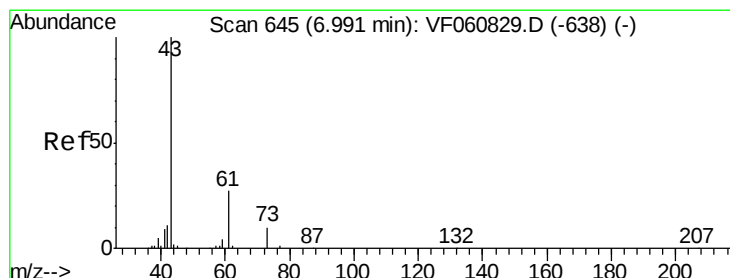
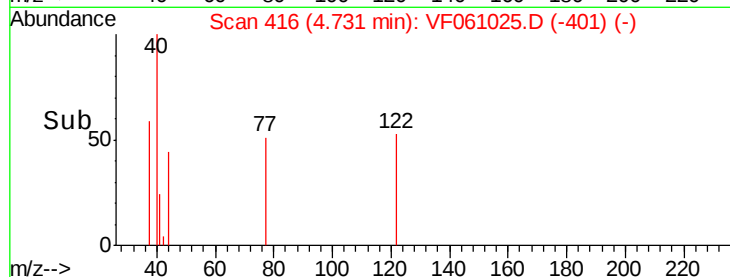
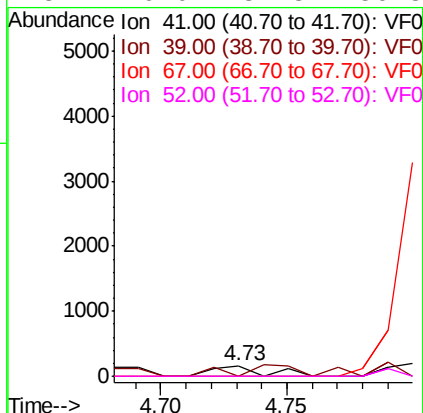
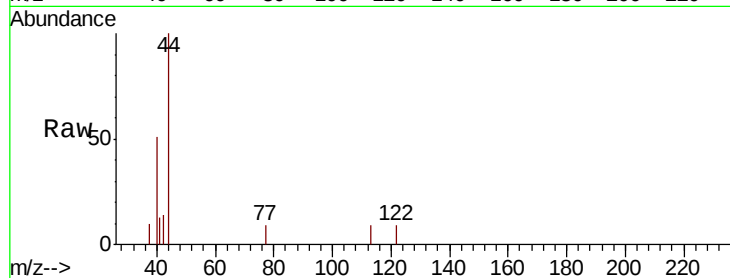
Delta R.T. -0.05 min

Lab File: VF061025.D

Acq: 14 Dec 2018 17:39

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	41	Resp:	227
Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.0	79.6#
67	0.0	43.8	65.6#
52	0.0	37.8	56.8#



#43

Isopropyl Acetate

Concen: Below Cal

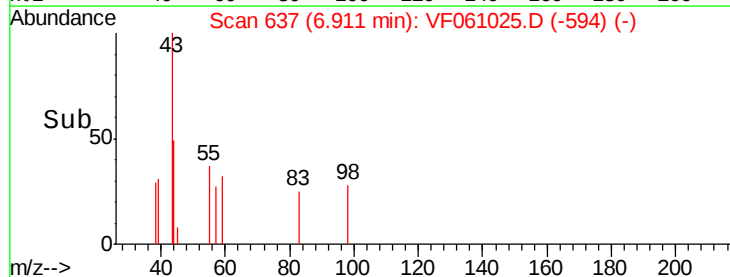
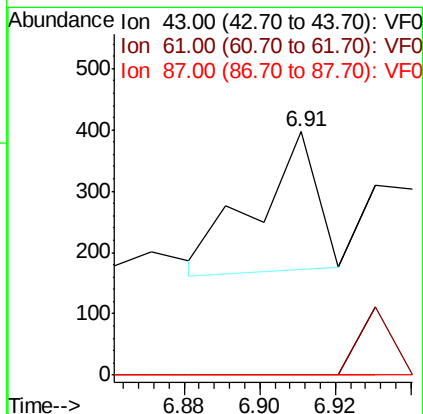
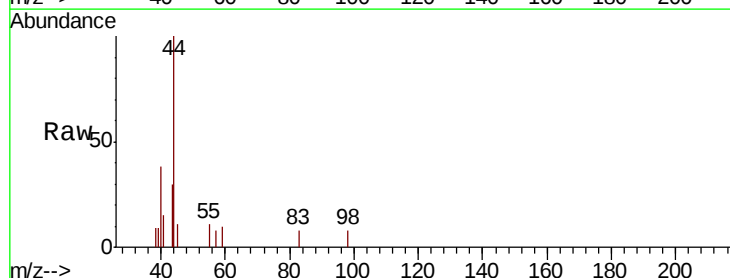
RT: 6.91 min Scan# 637

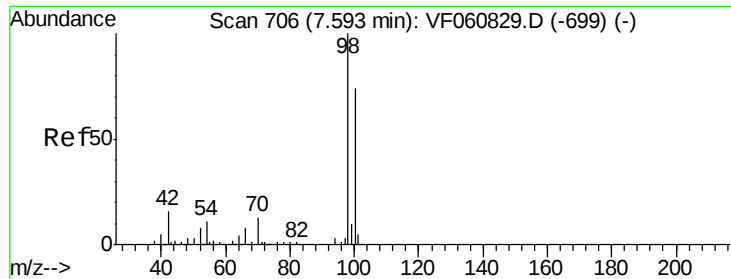
Delta R.T. -0.08 min

Lab File: VF061025.D

Acq: 14 Dec 2018 17:39

Tgt Ion:	43	Resp:	251
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.4	32.0#
87	0.0	0.2	0.4#

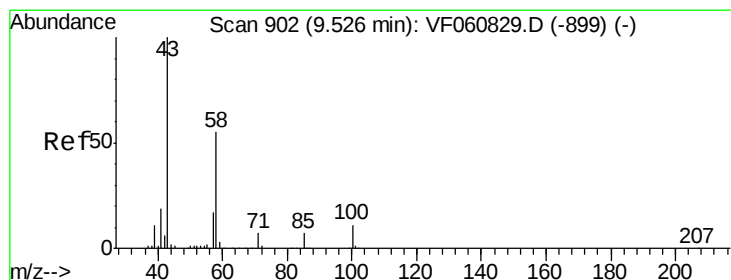
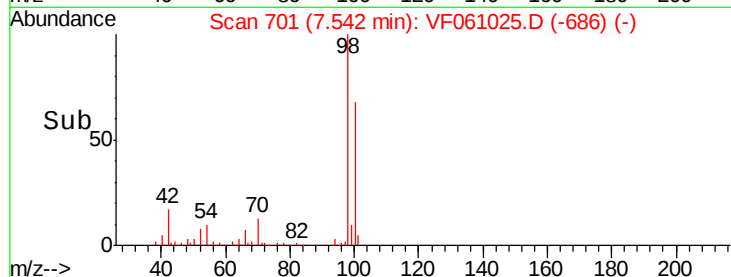
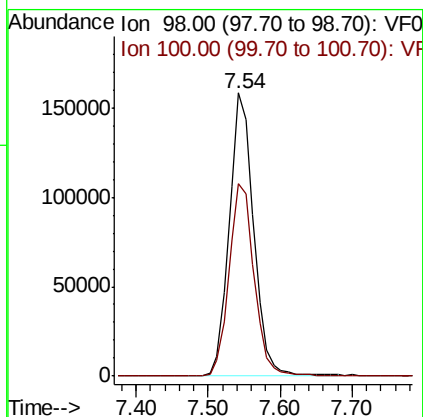
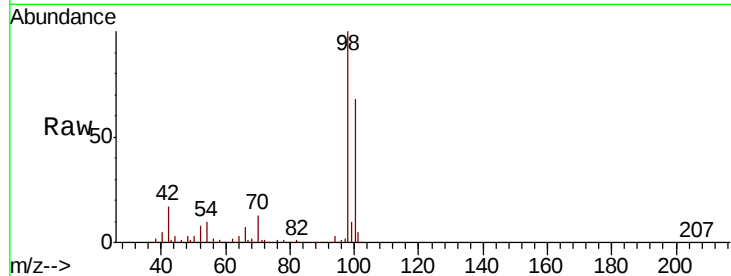




#50
Toluene-d8
Concen: 40.444 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.05 min
Lab File: VF061025.D
Acq: 14 Dec 2018 17:39

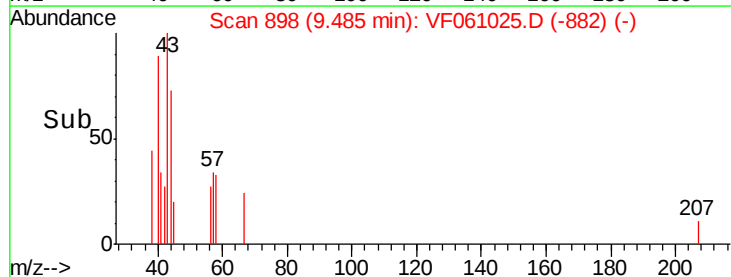
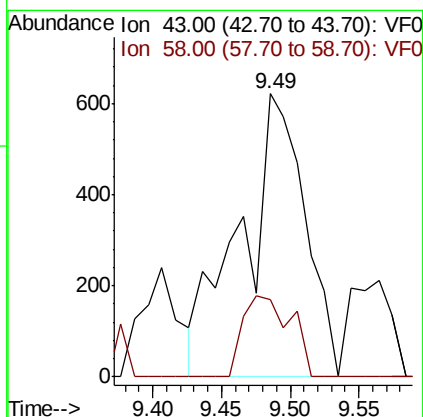
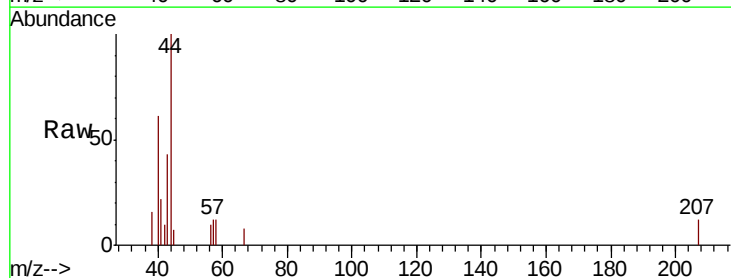
Instrument :
MSVOA_F
ClientSampleId :

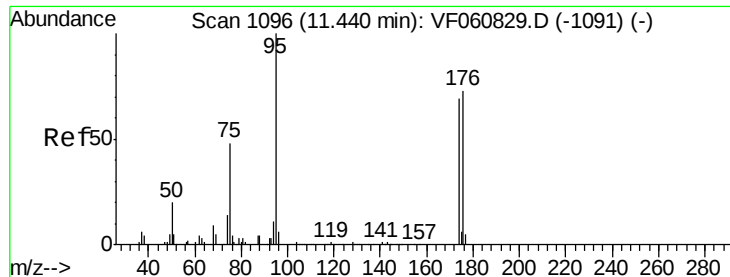
Tot Ion: 98 Resp: 374459
Ion Ratio Lower Upper
98 100
100 67.9 59.3 88.9



#59
2-Hexanone
Concen: 1.729 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.04 min
Lab File: VF061025.D
Acq: 14 Dec 2018 17:39

Tgt Ion: 43 Resp: 1998
Ion Ratio Lower Upper
43 100
58 27.2 25.6 76.6

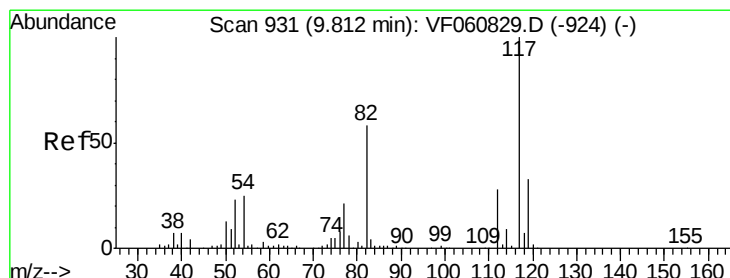
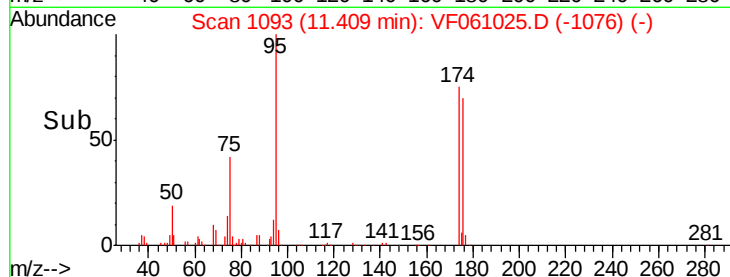
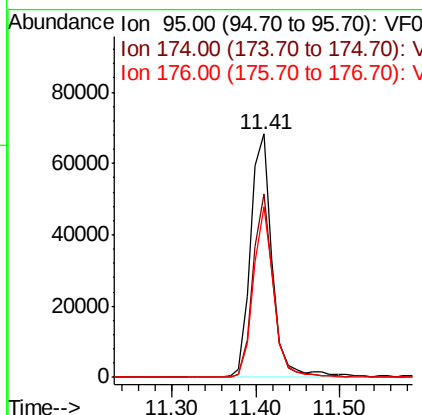
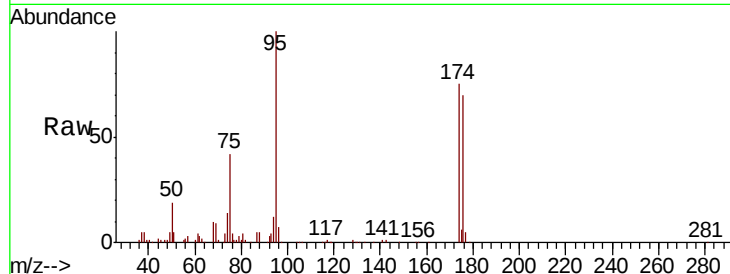




#62
4-Bromofluorobenzene
Concen: 29.264 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.03 min
Lab File: VF061025.D
Acq: 14 Dec 2018 17:39

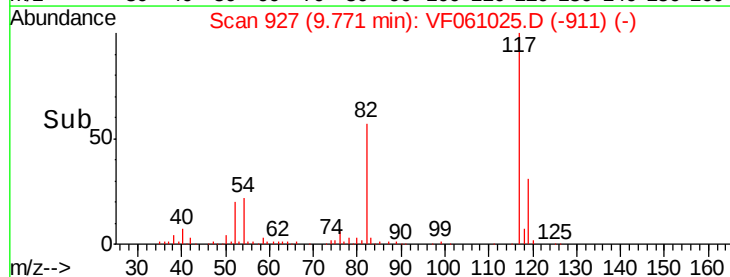
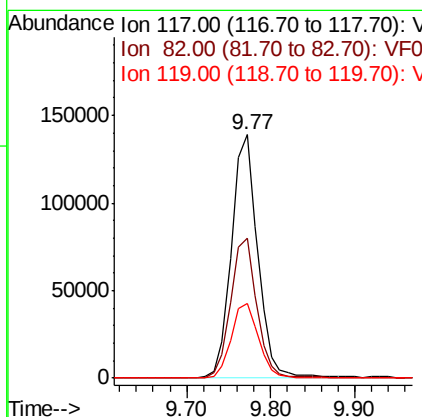
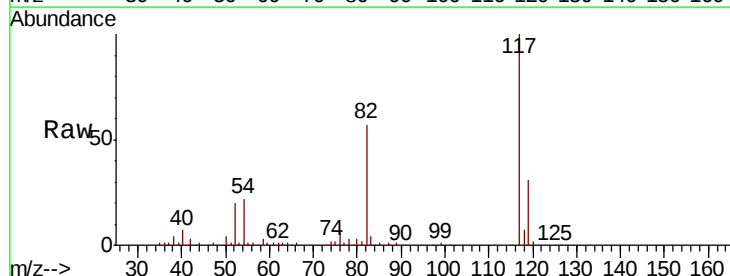
Instrument :
MSVOA_F
ClientSampleId :

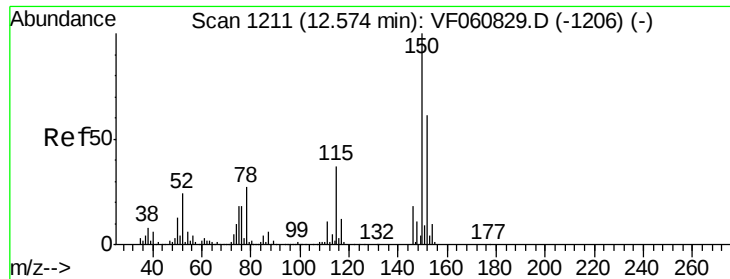
Tot Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	138.2
176	70.2	0.0	146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF061025.D
Acq: 14 Dec 2018 17:39

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.2	46.6	69.8
119	30.7	26.4	39.6



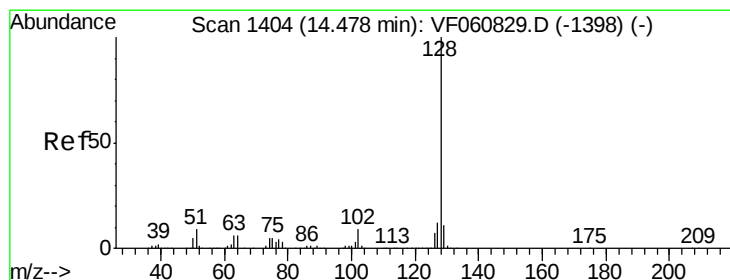
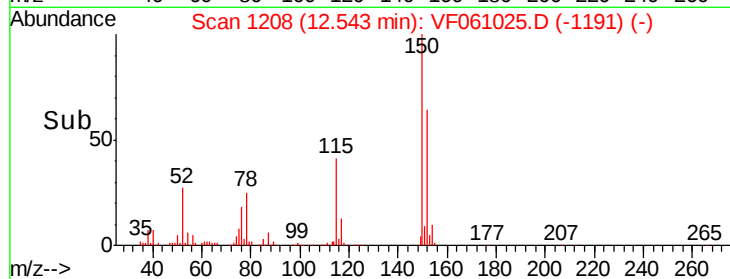
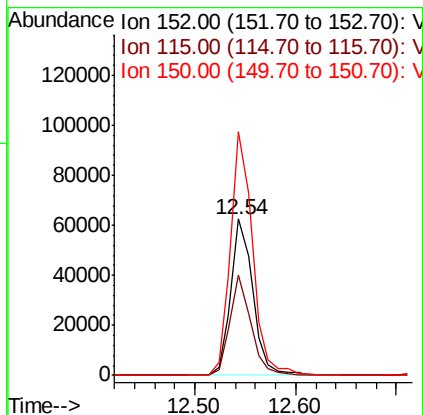
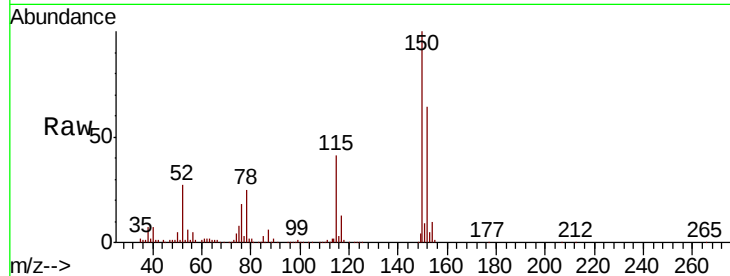


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF061025.D
Acq: 14 Dec 2018 17:39

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:152 Resp: 95336
Ion Ratio Lower Upper
152 100
115 64.2 30.1 90.5
150 155.9 0.0 327.6



#95

Naphthalene
Concen: 4.453 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.03 min
Lab File: VF061025.D
Acq: 14 Dec 2018 17:39

Tgt Ion:128 Resp: 30827
Ion Ratio Lower Upper
128 100
127 12.7 9.9 14.9
129 11.4 9.1 13.7

