

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121118\
 Data File : VF060985.D
 Acq On : 11 Dec 2018 19:24
 Operator : VA/AP
 Sample : J6214-41RE
 Misc : 4.70g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-5-(0-2)

Quant Time: Dec 12 06:29:06 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	4.88	168	181543	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.61	114	327607	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.78	117	283765	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	126118	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	107199	50.12	ug/l	-0.03
Spiked Amount				50.000		
Recovery						= 100.24%
35) Dibromofluoromethane	4.12	113	123022	47.33	ug/l	-0.03
Spiked Amount				50.000		
Recovery						= 94.66%
50) Toluene-d8	7.56	98	276846	36.16	ug/l	-0.03
Spiked Amount				50.000		
Recovery						= 72.32%
62) 4-Bromofluorobenzene	11.42	95	125324	36.02	ug/l	-0.02
Spiked Amount				50.000		
Recovery						= 72.04%

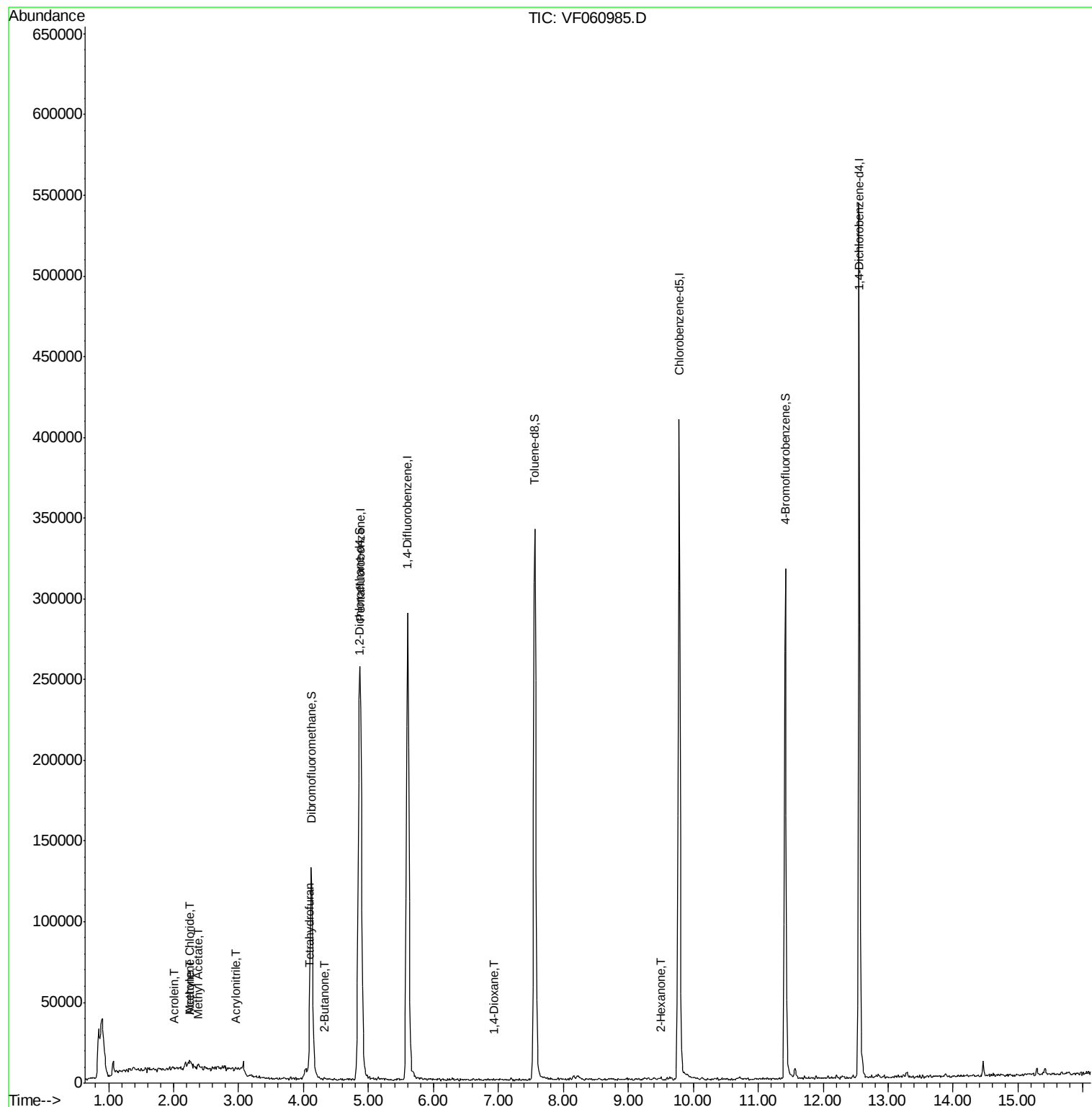
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.02	56	771	9.282	ug/l	82
15) Acrylonitrile	2.97	53	578	2.941	ug/l #	35
16) Acetone	2.24	43	409	1.037	ug/l #	49
18) Methyl Acetate	2.38	43	1869	1.214	ug/l #	61
20) Methylene Chloride	2.24	84	4975	3.439	ug/l #	81
25) 2-Butanone	4.33	43	869	1.274	ug/l #	57
29) Tetrahydrofuran	4.08	42	447	1.546	ug/l #	50
41) Methacrylonitrile	4.78	41	659	Below Cal	#	42
43) Isopropyl Acetate	6.96	43	608	Below Cal	#	49
49) 1,4-Dioxane	6.93	88	97	9.916	ug/l #	26
59) 2-Hexanone	9.51	43	1050	1.099	ug/l	98
95) Naphthalene	14.46	128	5738	Below Cal	#	96

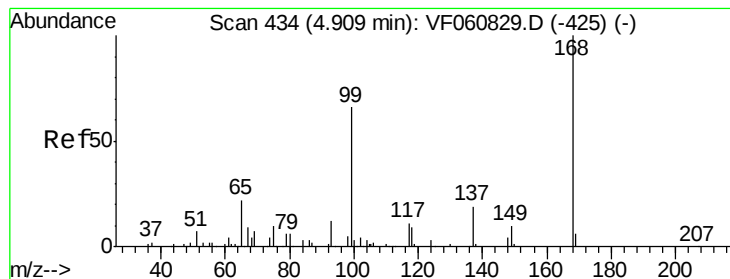
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.03 min

Lab File: VF060985.D

Acq: 11 Dec 2018 19:24

Instrument :

MSVOA_F

ClientSampleId :

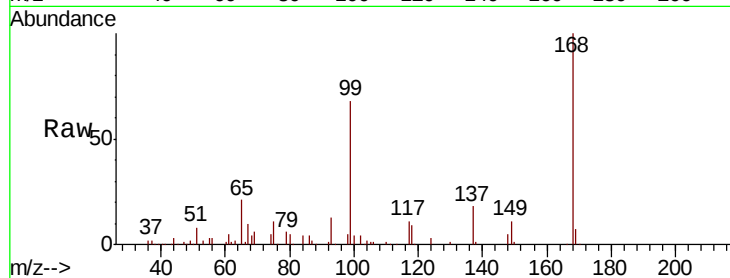
SB-5-(0-2)

Tot Ion:168 Resp: 181543

Ion Ratio Lower Upper

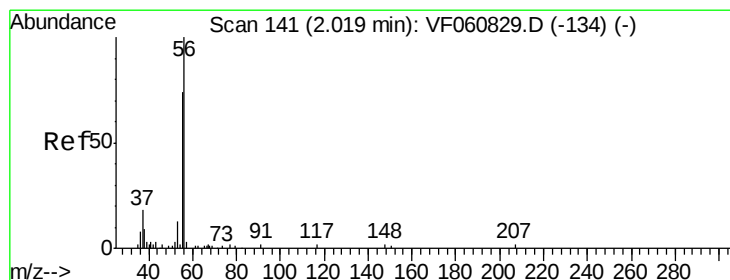
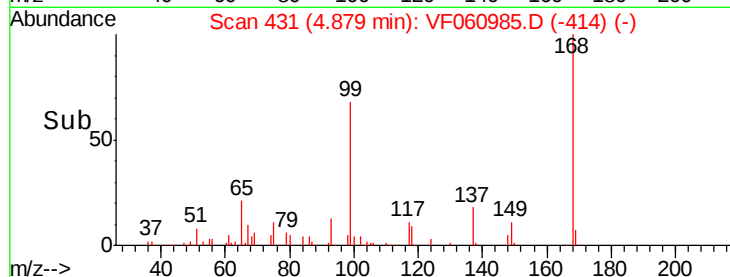
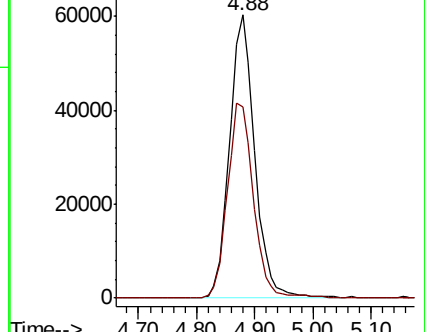
168 100

99 67.6 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#13

Acrolein

Concen: 9.282 ug/l

RT: 2.02 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF060985.D

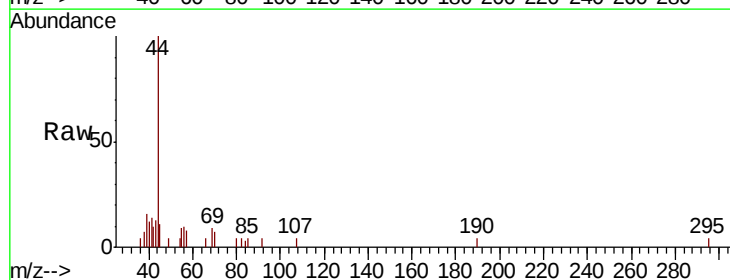
Acq: 11 Dec 2018 19:24

Tgt Ion: 56 Resp: 771

Ion Ratio Lower Upper

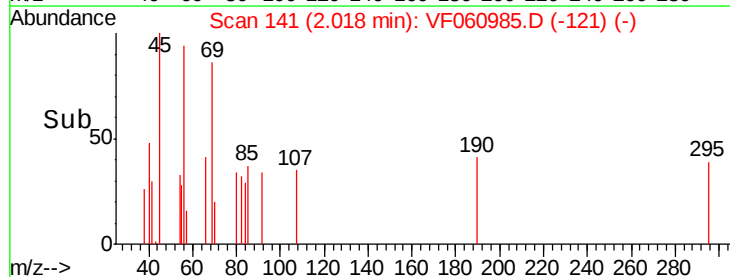
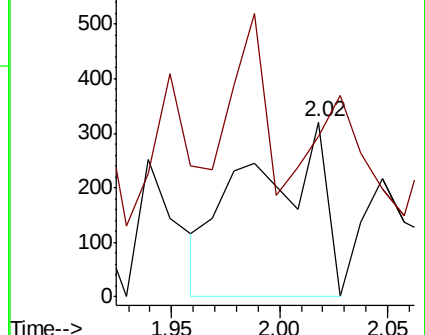
56 100

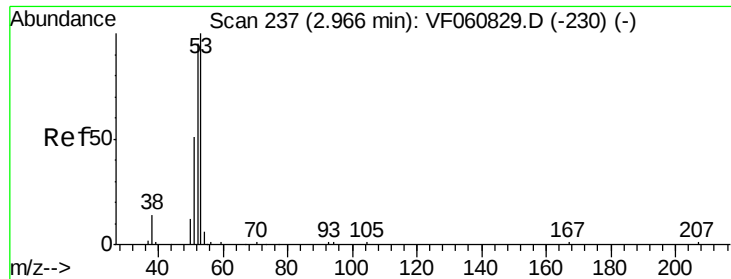
55 91.6 61.2 91.8



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#15

Acrylonitrile

Concen: 2.941 ug/l

RT: 2.97 min Scan# 237

Delta R.T. -0.00 min

Lab File: VF060985.D

Acq: 11 Dec 2018 19:24

Instrument :

MSVOA_F

ClientSampleId :

SB-5-(0-2)

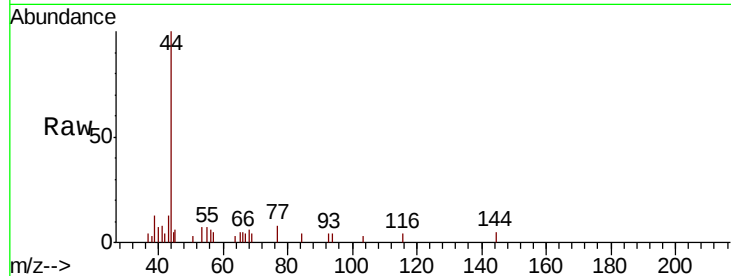
Tot Ion: 53 Resp: 578

Ion Ratio Lower Upper

53 100

52 0.0 76.5 114.7#

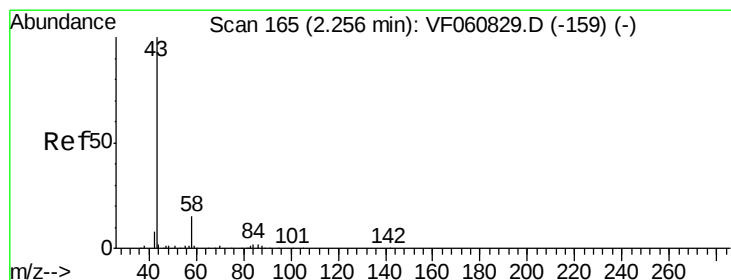
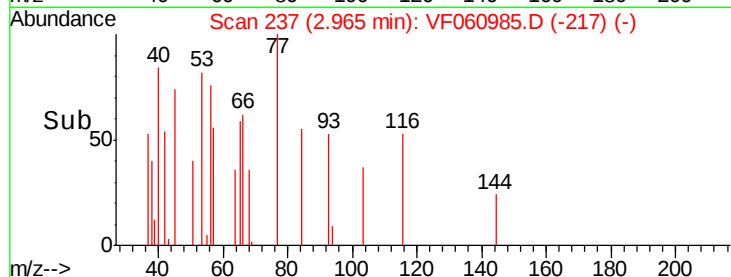
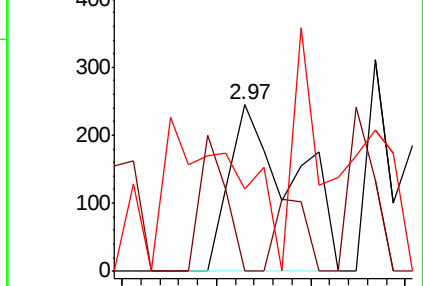
51 49.4 40.7 61.1



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 1.037 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF060985.D

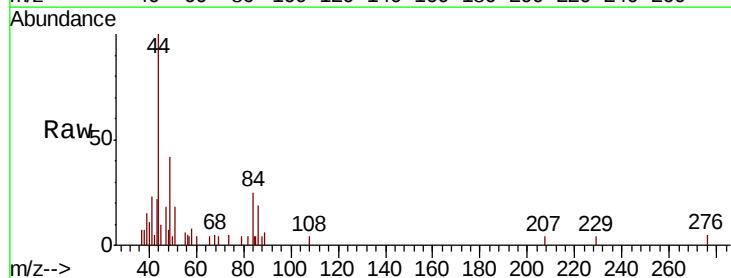
Acq: 11 Dec 2018 19:24

Tgt Ion: 43 Resp: 409

Ion Ratio Lower Upper

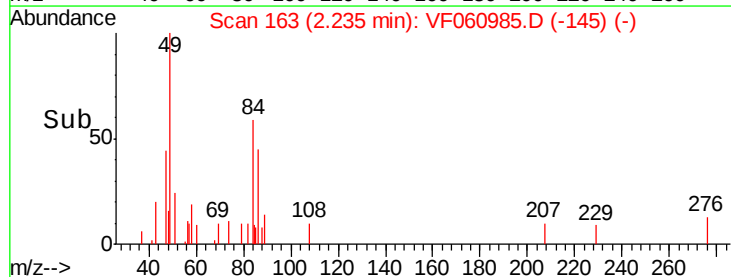
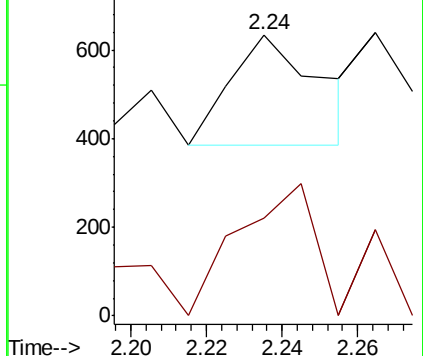
43 100

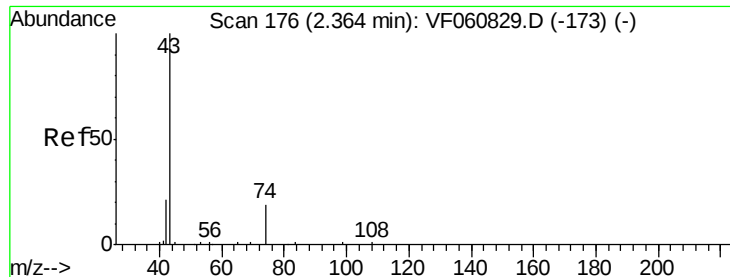
58 35.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

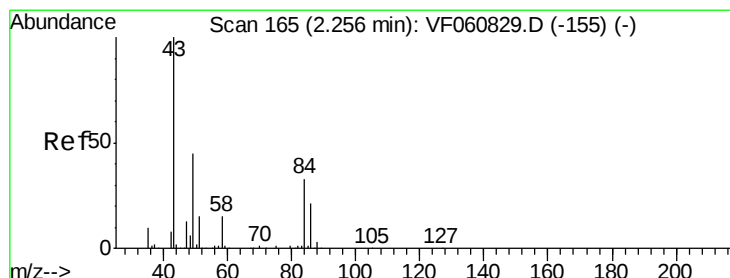
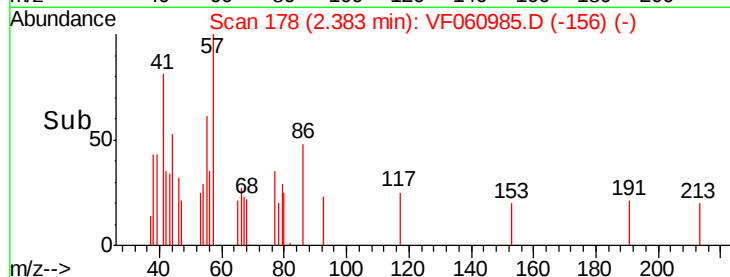
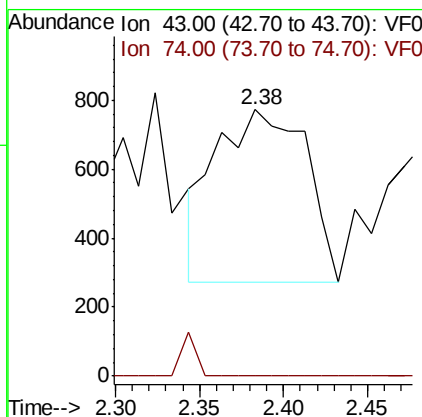
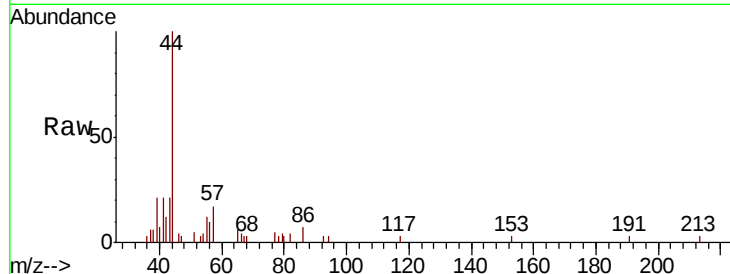




#18
Methyl Acetate
Concen: 1.214 ug/l
RT: 2.38 min Scan# 178
Delta R.T. 0.02 min
Lab File: VF060985.D
Acq: 11 Dec 2018 19:24

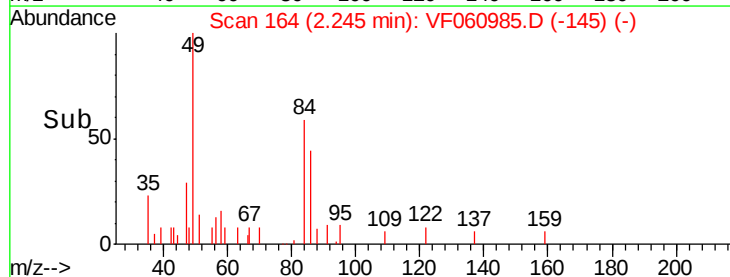
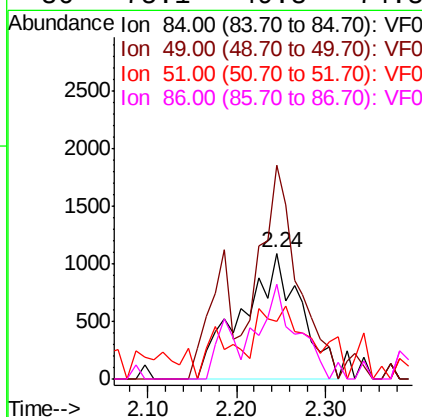
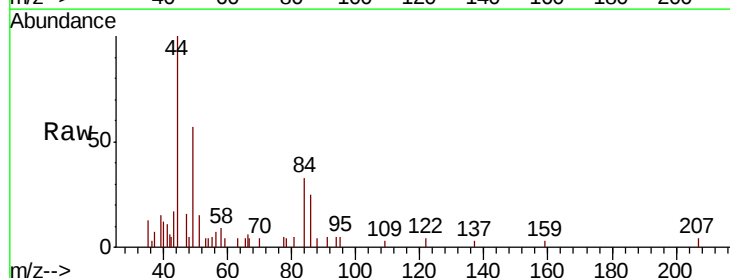
Instrument :
MSVOA_F
ClientSampleId :
SB-5-(0-2)

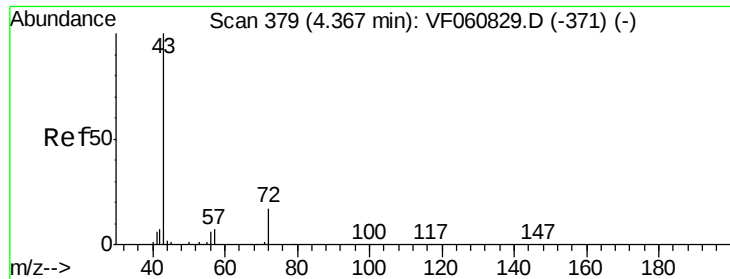
Tot Ion: 43 Resp: 1869
Ion Ratio Lower Upper
43 100
74 0.0 13.3 19.9#



#20
Methylene Chloride
Concen: 3.439 ug/l
RT: 2.24 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF060985.D
Acq: 11 Dec 2018 19:24

Tgt Ion: 84 Resp: 4975
Ion Ratio Lower Upper
84 100
49 170.2 111.3 166.9#
51 46.0 38.0 57.0
86 75.1 49.8 74.8#





#25

2-Butanone

Concen: 1.274 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.04 min

Lab File: VF060985.D

Acq: 11 Dec 2018 19:24

Instrument :

MSVOA_F

ClientSampleId :

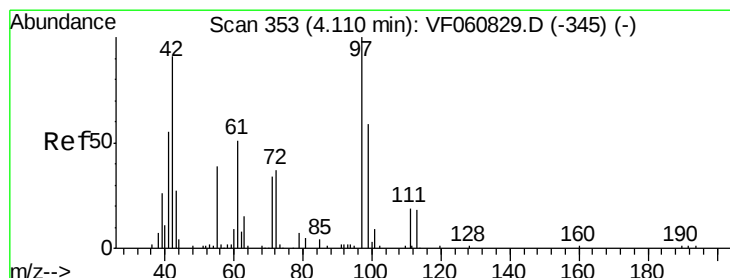
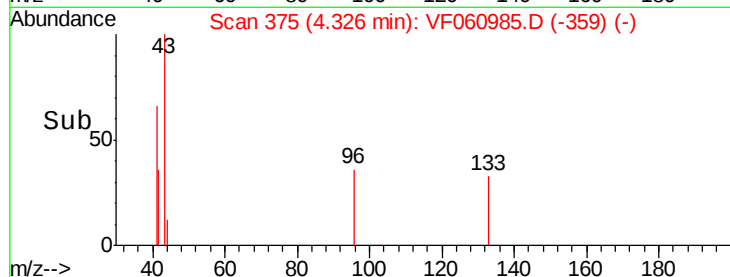
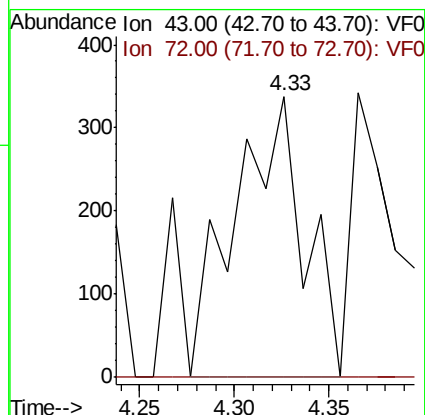
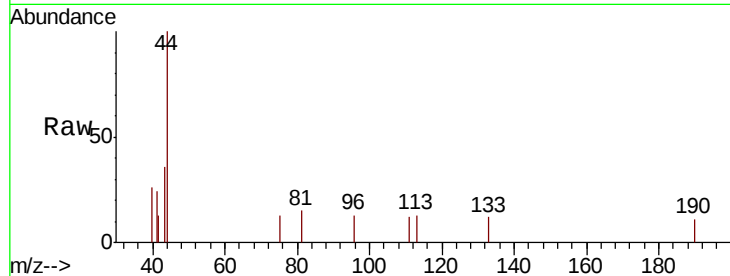
SB-5-(0-2)

Tot Ion: 43 Resp: 869

Ion Ratio Lower Upper

43 100

72 0.0 15.4 23.2#



#29

Tetrahydrofuran

Concen: 1.546 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF060985.D

Acq: 11 Dec 2018 19:24

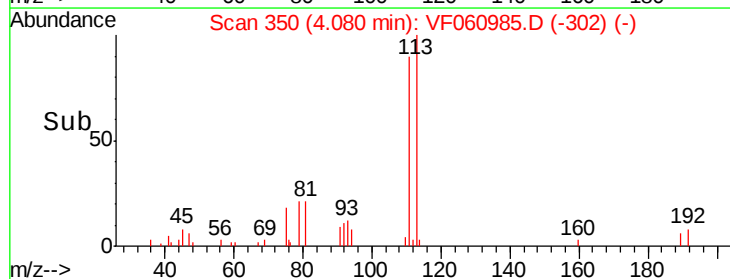
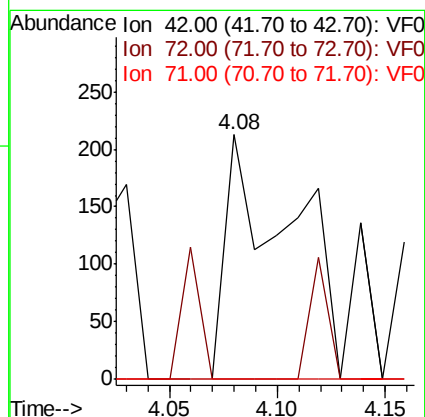
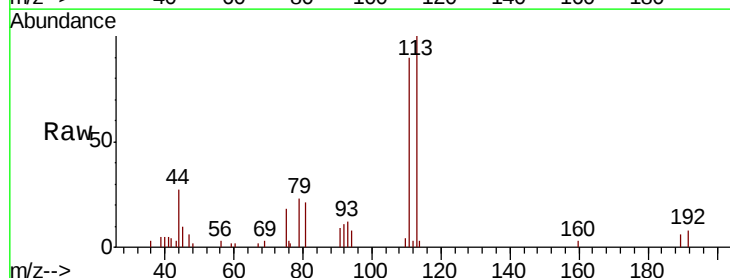
Tgt Ion: 42 Resp: 447

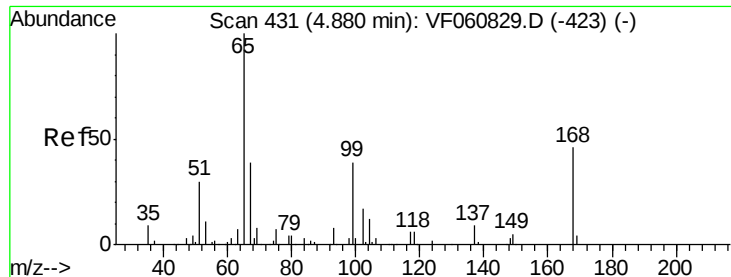
Ion Ratio Lower Upper

42 100

72 15.2 31.9 47.9#

71 0.0 28.7 43.1#





#33

1,2-Dichloroethane-d4

Concen: 50.125 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF060985.D

Acq: 11 Dec 2018 19:24

Instrument :

MSVOA_F

ClientSampleId :

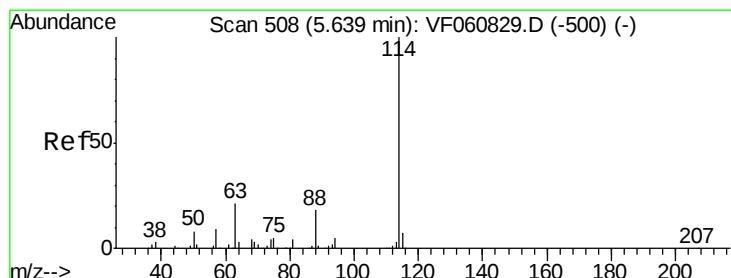
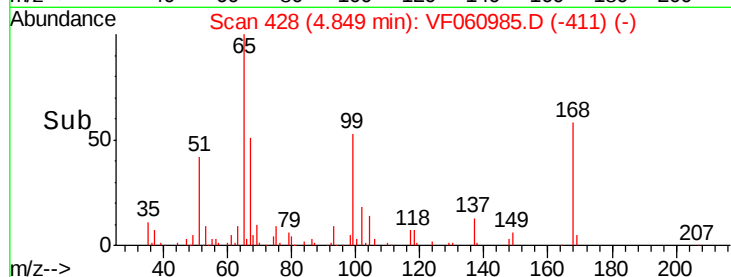
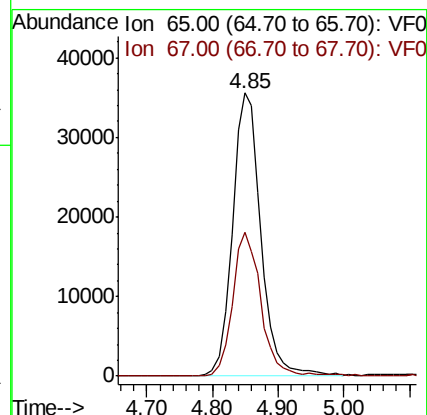
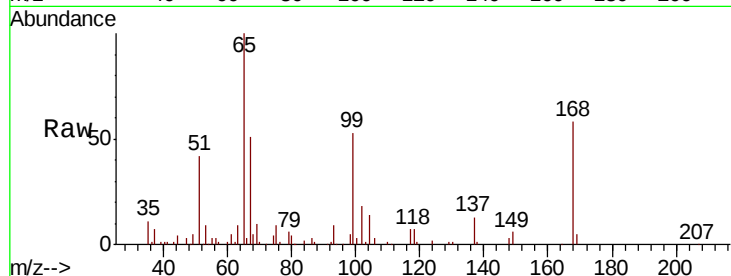
SB-5-(0-2)

Tot Ion: 65 Resp: 107199

Ion Ratio Lower Upper

65 100

67 51.0 0.0 96.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.03 min

Lab File: VF060985.D

Acq: 11 Dec 2018 19:24

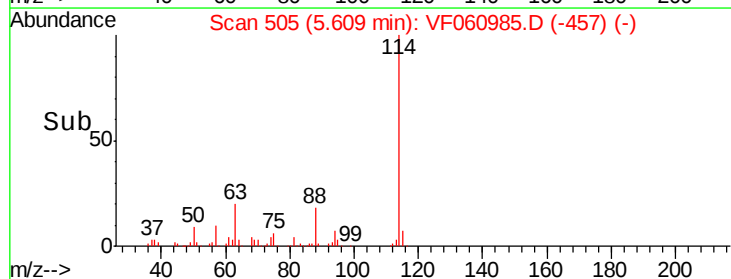
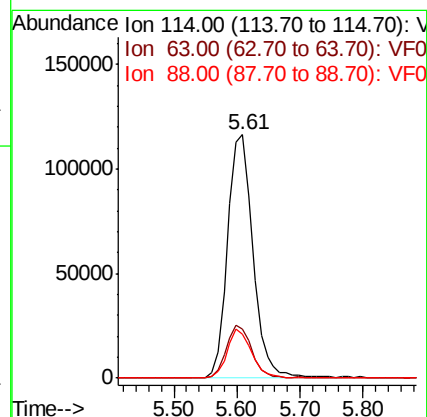
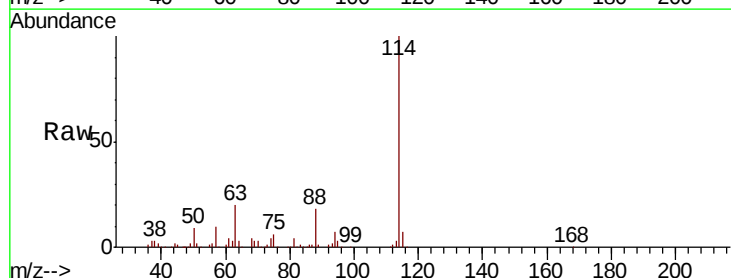
Tgt Ion: 114 Resp: 327607

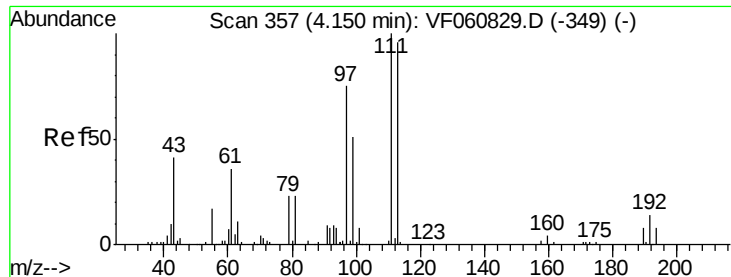
Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.6

88 18.2 0.0 36.6

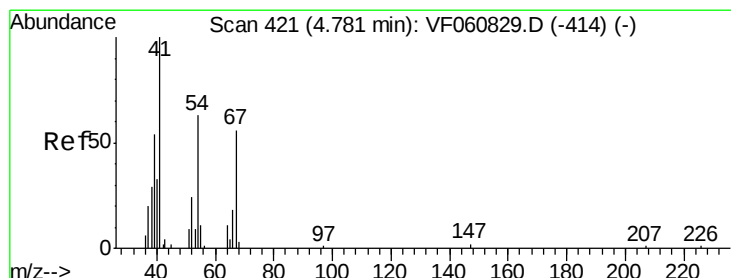
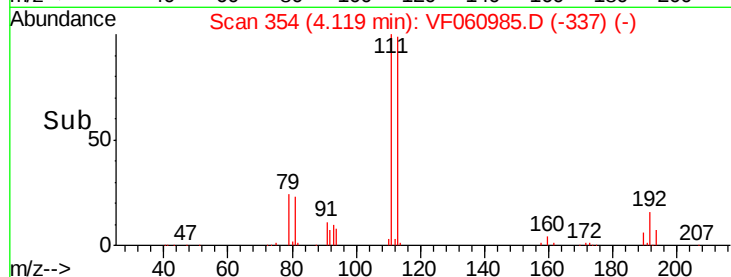
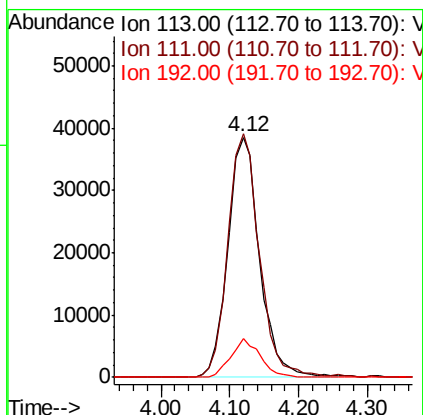
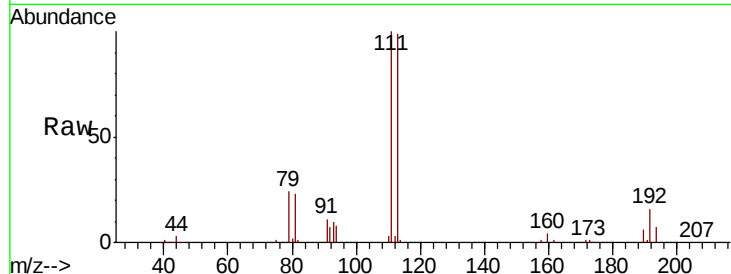




#35
Dibromofluoromethane
Concen: 47.335 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.03 min
Lab File: VF060985.D
Acq: 11 Dec 2018 19:24

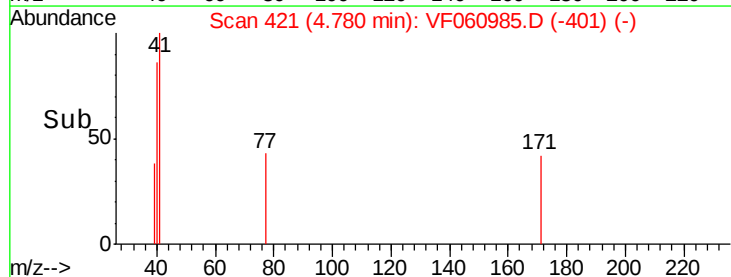
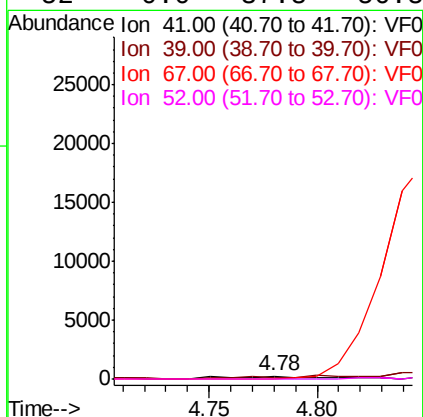
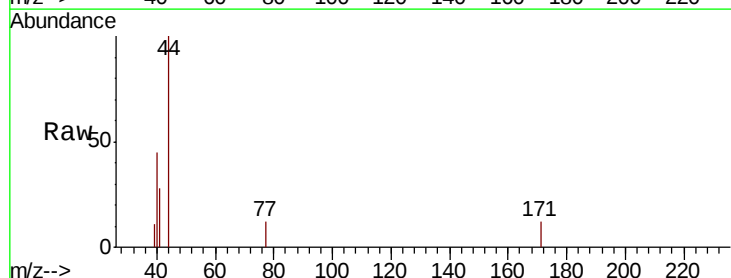
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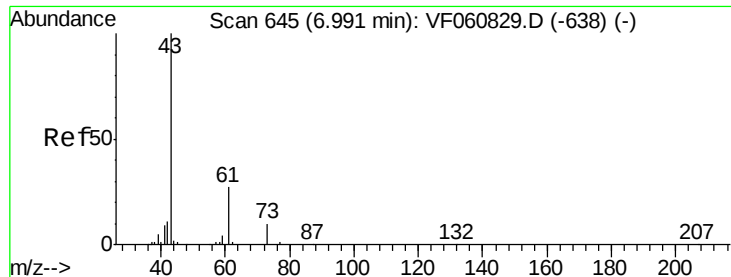
Tot Ion:113 Resp: 123022
Ion Ratio Lower Upper
113 100
111 101.3 83.0 124.6
192 16.8 12.3 18.5



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.78 min Scan# 421
Delta R.T. -0.00 min
Lab File: VF060985.D
Acq: 11 Dec 2018 19:24

Tgt Ion: 41 Resp: 659
Ion Ratio Lower Upper
41 100
39 38.4 53.0 79.6#
67 0.0 43.8 65.6#
52 0.0 37.8 56.8#



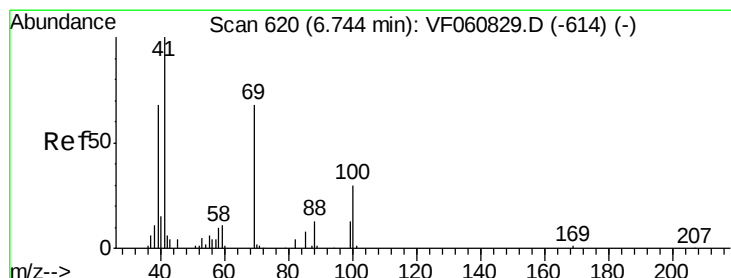
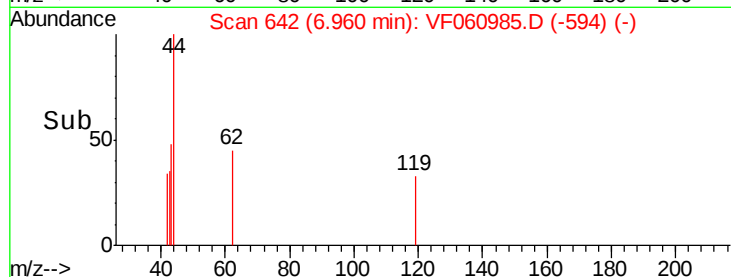
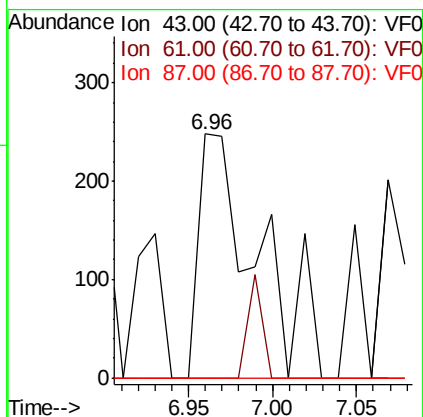
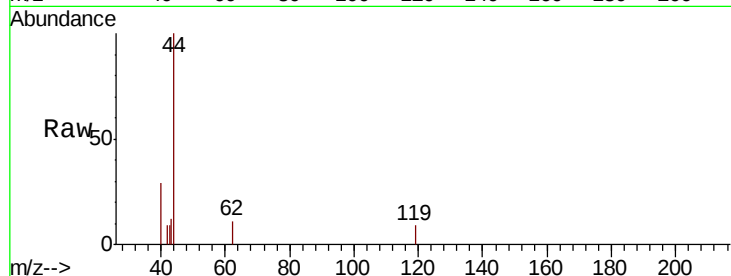


#43

Isopropyl Acetate
 Concen: Below Cal
 RT: 6.96 min Scan# 642
 Delta R.T. -0.03 min
 Lab File: VF060985.D
 Acq: 11 Dec 2018 19:24

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-5-(0-2)

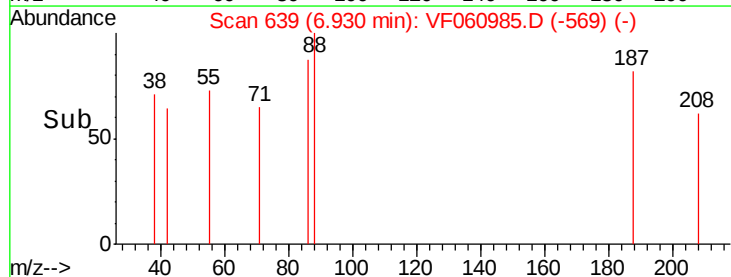
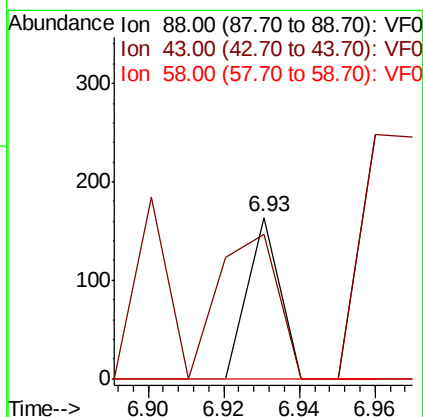
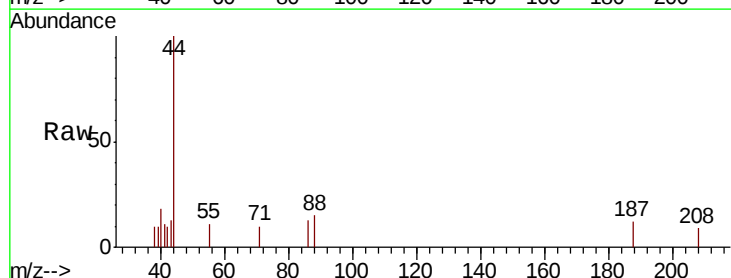
Tot Ion: 43 Resp: 608
 Ion Ratio Lower Upper
 43 100
 61 0.0 21.4 32.0#
 87 0.0 0.2 0.4#

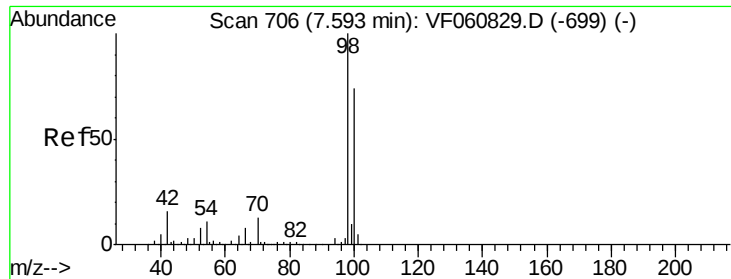


#49

1,4-Dioxane
 Concen: 9.916 ug/l
 RT: 6.93 min Scan# 639
 Delta R.T. 0.19 min
 Lab File: VF060985.D
 Acq: 11 Dec 2018 19:24

Tgt Ion: 88 Resp: 97
 Ion Ratio Lower Upper
 88 100
 43 89.0 42.0 63.0#
 58 0.0 61.8 92.8#

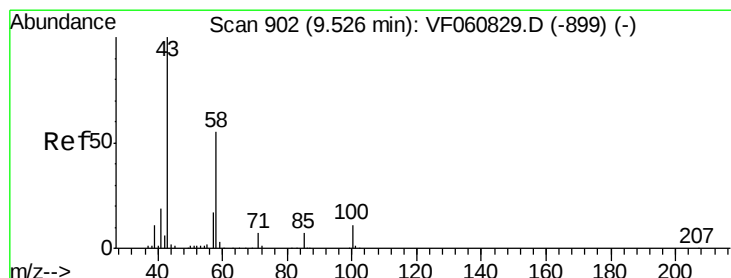
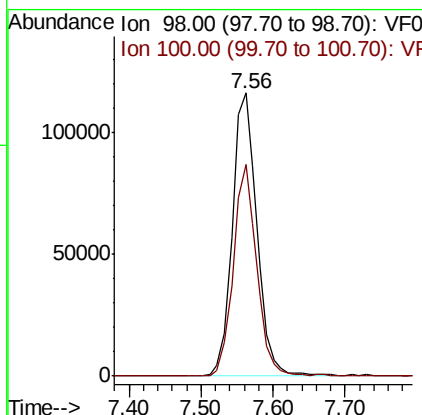
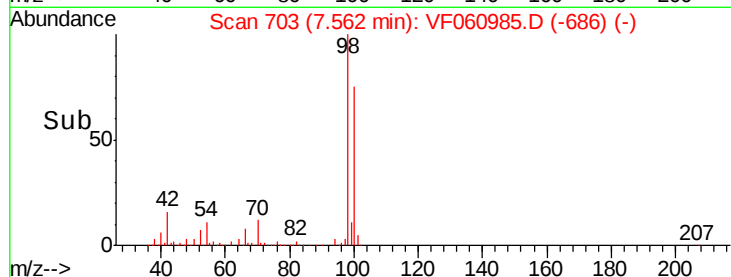
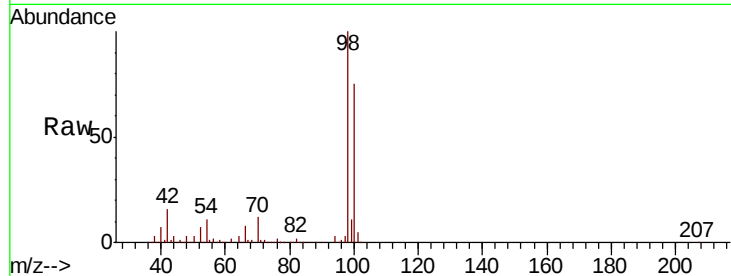




#50
Toluene-d8
Concen: 36.161 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.03 min
Lab File: VF060985.D
Acq: 11 Dec 2018 19:24

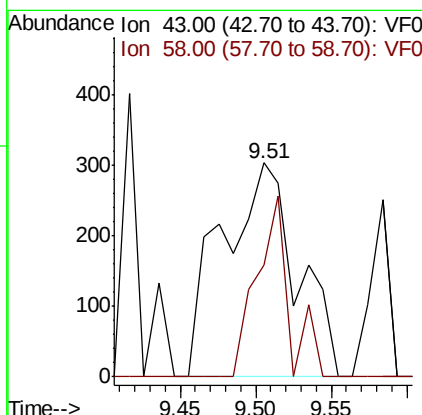
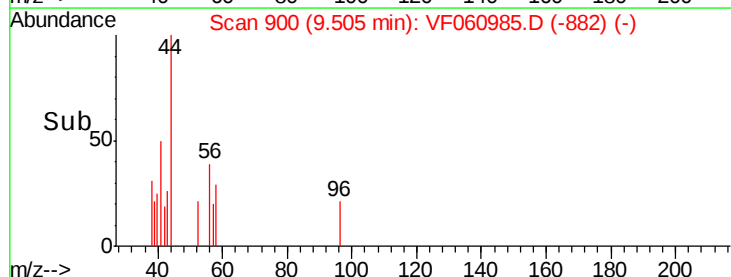
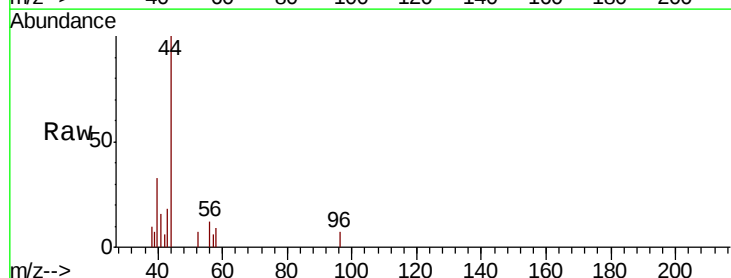
Instrument :
MSVOA_F
ClientSampleId :
SB-5-(0-2)

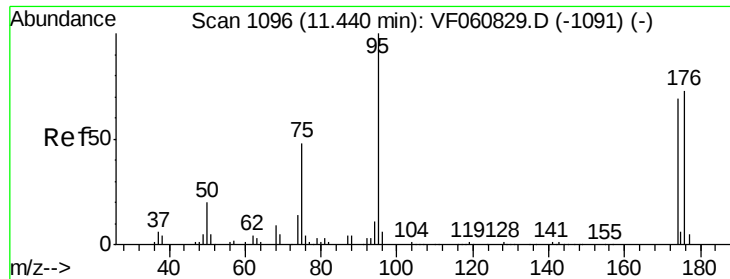
Tot Ion: 98 Resp: 276846
Ion Ratio Lower Upper
98 100
100 74.8 59.3 88.9



#59
2-Hexanone
Concen: 1.099 ug/l
RT: 9.51 min Scan# 900
Delta R.T. -0.02 min
Lab File: VF060985.D
Acq: 11 Dec 2018 19:24

Tgt Ion: 43 Resp: 1050
Ion Ratio Lower Upper
43 100
58 52.5 25.6 76.6

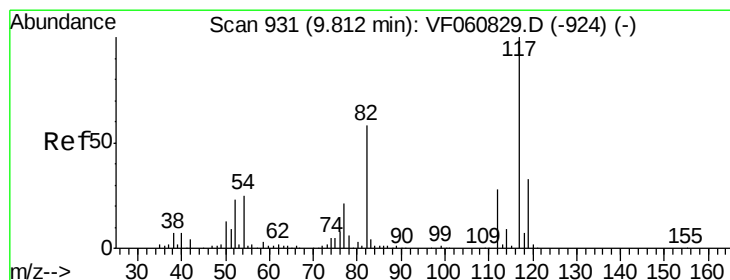
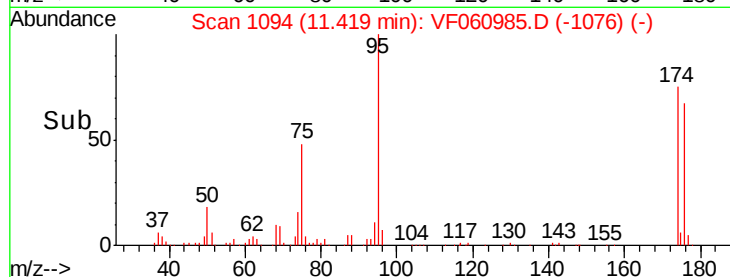
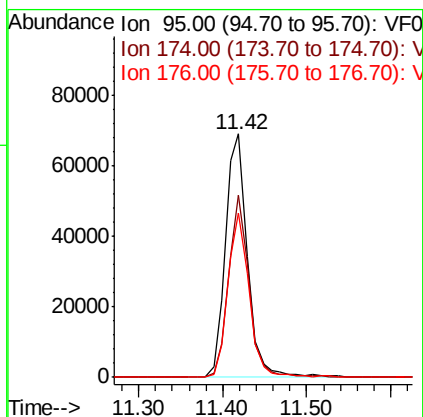
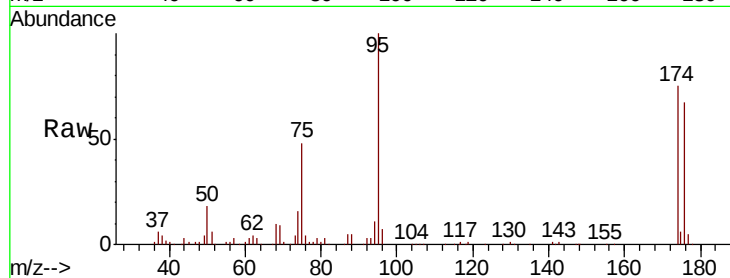




#62
4-Bromofluorobenzene
Concen: 36.018 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. -0.02 min
Lab File: VF060985.D
Acq: 11 Dec 2018 19:24

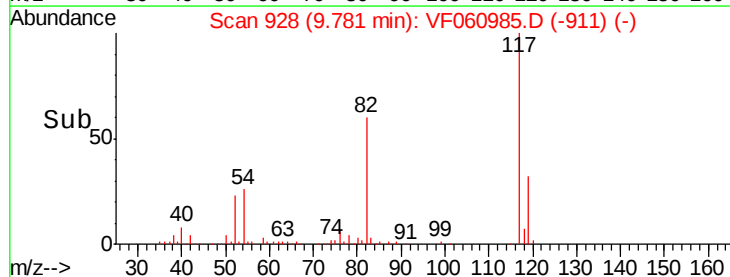
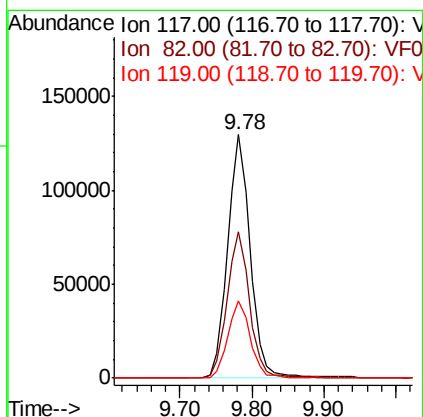
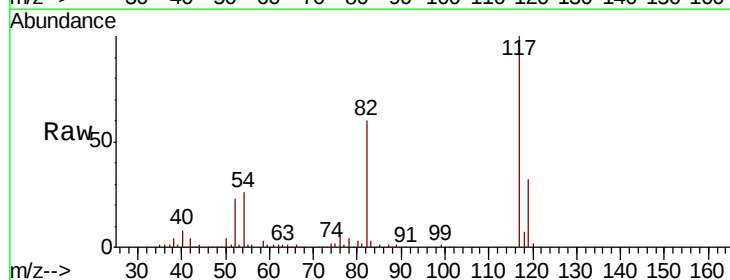
Instrument :
MSVOA_F
ClientSampleId :
SB-5-(0-2)

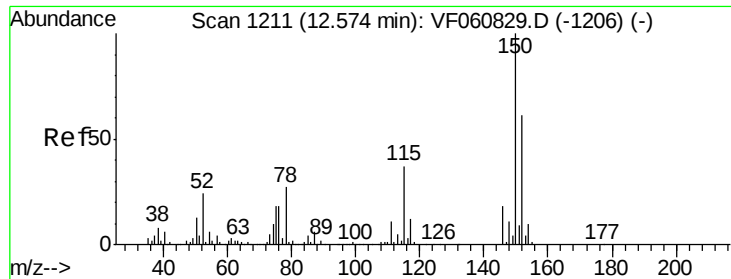
Tot Ion: 95 Resp: 125324
Ion Ratio Lower Upper
95 100
174 75.0 0.0 138.2
176 67.4 0.0 146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF060985.D
Acq: 11 Dec 2018 19:24

Tgt Ion: 117 Resp: 283765
Ion Ratio Lower Upper
117 100
82 60.1 46.6 69.8
119 31.9 26.4 39.6



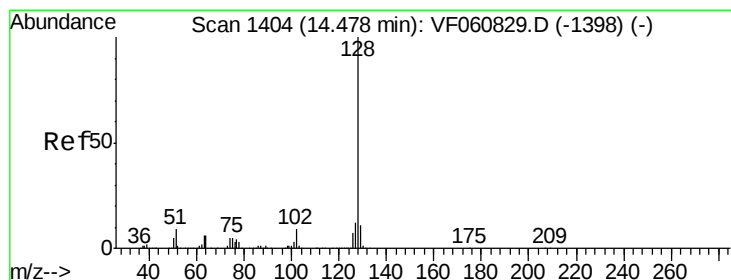
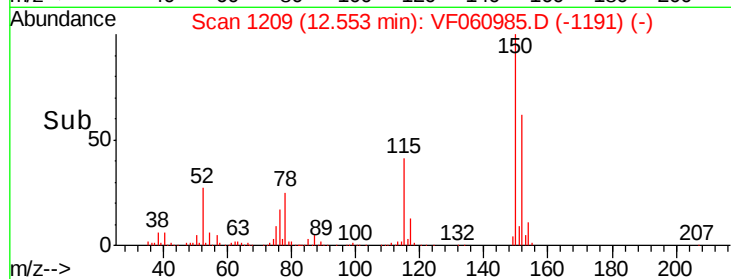
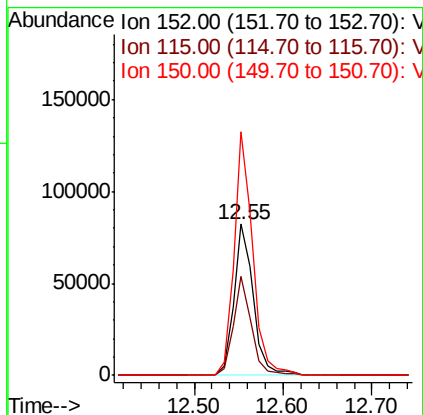
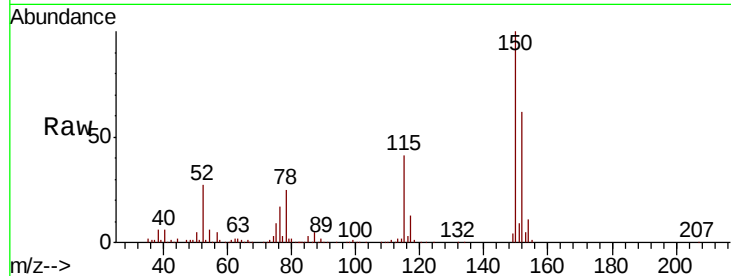


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF060985.D
Acq: 11 Dec 2018 19:24

Instrument :
MSVOA_F
ClientSampleId :
SB-5-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
115	65.2	30.1	90.5
150	160.9	0.0	327.6



#95

Naphthalene
Concen: Below Cal
RT: 14.46 min Scan# 1402
Delta R.T. -0.02 min
Lab File: VF060985.D
Acq: 11 Dec 2018 19:24

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.1	9.9	14.9#
129	11.8	9.1	13.7

