

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031119\
 Data File : VF061888.D
 Acq On : 11 Mar 2019 14:33
 Operator : VA/AP
 Sample : K1824-01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-24

Quant Time: Mar 12 05:11:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

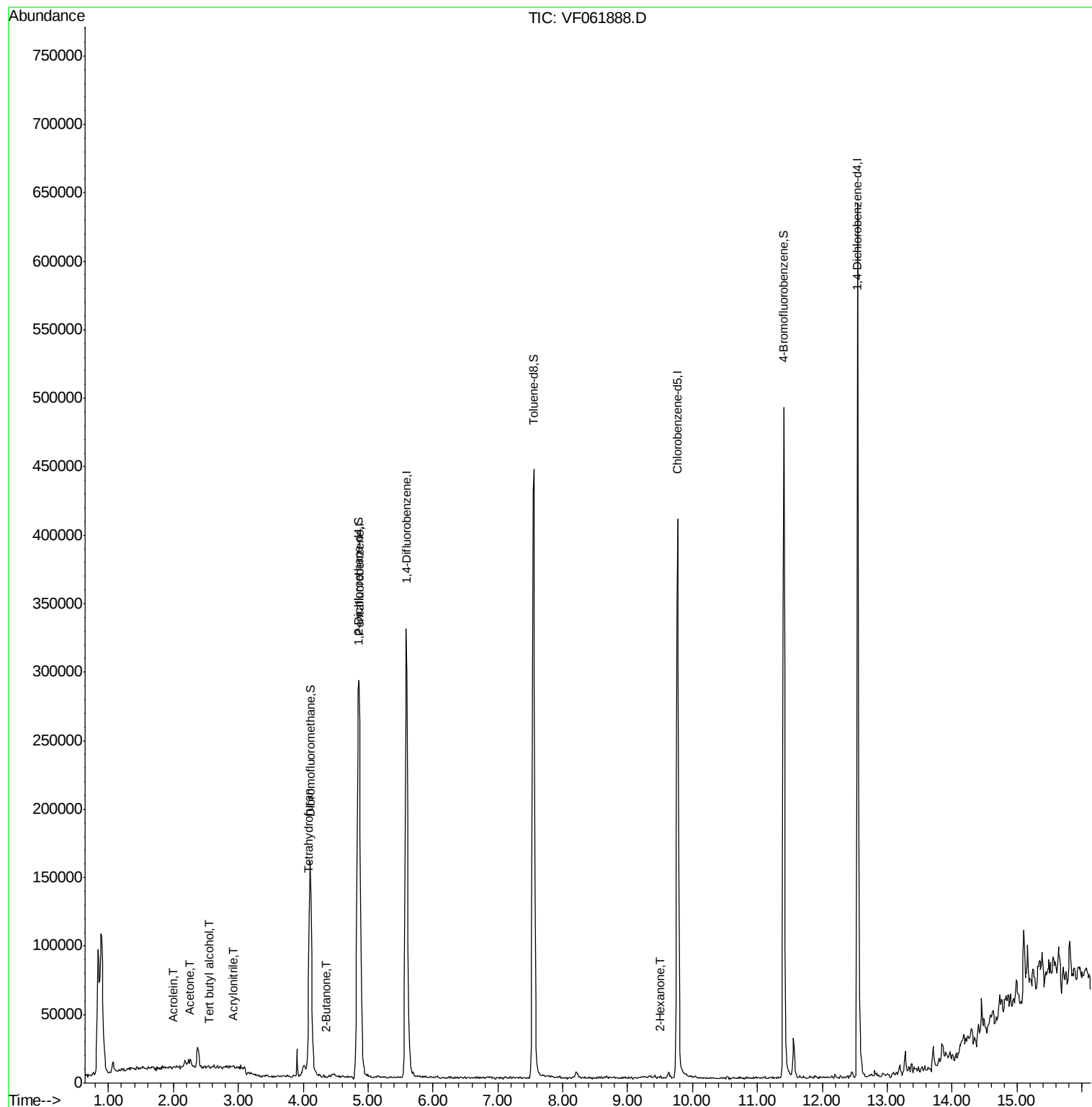
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	269067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	411550	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	333018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	194412	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	120641	61.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.14%	
35) Dibromofluoromethane	4.11	113	164522	57.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.56%	
50) Toluene-d8	7.55	98	396307	46.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.84%	
62) 4-Bromofluorobenzene	11.41	95	183162	54.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.54%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.56	59	275	2.473	ug/l #	19
13) Acrolein	1.99	56	935	6.635	ug/l	96
15) Acrylonitrile	2.94	53	399	1.127	ug/l #	55
16) Acetone	2.27	43	1118	2.724	ug/l	97
18) Methyl Acetate	2.38	43	5607	Below Cal	#	62
20) Methylene Chloride	2.18	84	3035	Below Cal		91
25) 2-Butanone	4.36	43	924	1.107	ug/l #	56
29) Tetrahydrofuran	4.08	42	876	2.433	ug/l #	54
59) 2-Hexanone	9.50	43	1142	1.139	ug/l	75

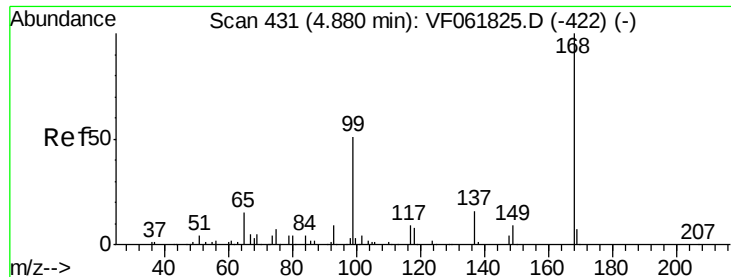
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_F
ClientSampled :
TP-24

Quant Time: Mar 12 05:11:33 2019
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Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061888.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_F

ClientSampled :

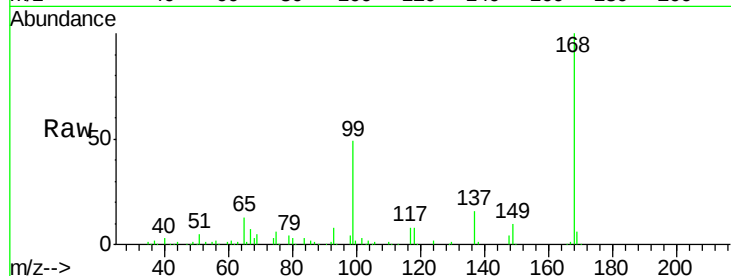
TP-24

Tot Ion:168 Resp: 269067

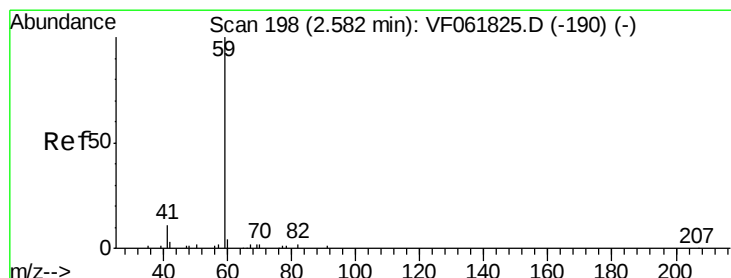
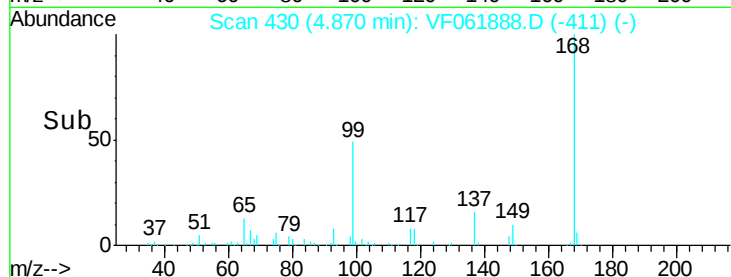
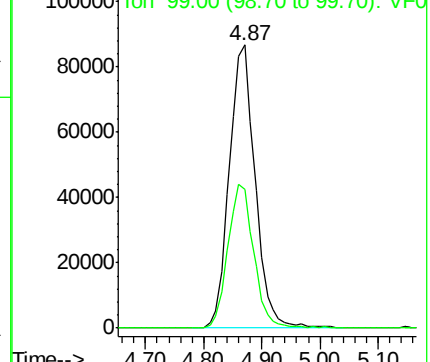
Ion Ratio Lower Upper

168 100

99 49.2 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0



#11

Tert butyl alcohol

Concen: 2.473 ug/l

RT: 2.56 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF061888.D

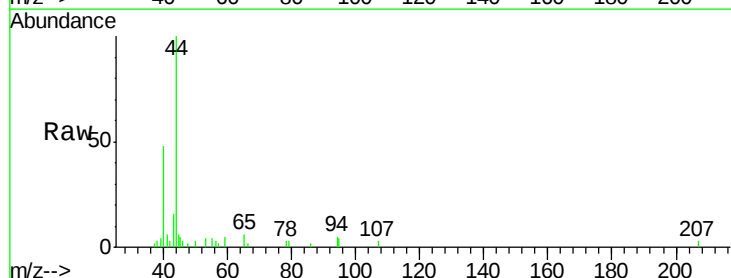
Acq: 11 Mar 2019 14:33

Tgt Ion: 59 Resp: 275

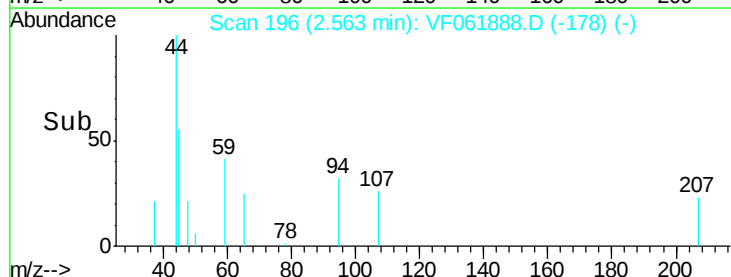
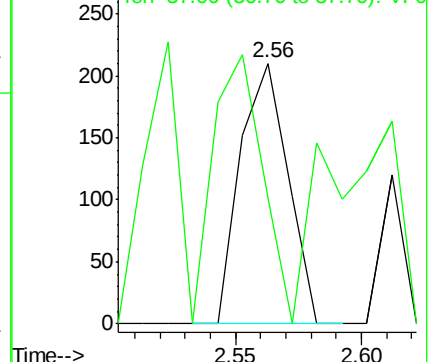
Ion Ratio Lower Upper

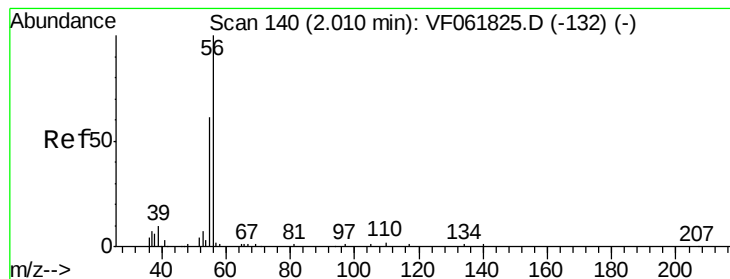
59 100

57 48.1 11.8 17.6#



Abundance Ion 59.00 (58.70 to 59.70): VF0





#13

Acrolein

Concen: 6.635 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF061888.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_F

ClientSampled :

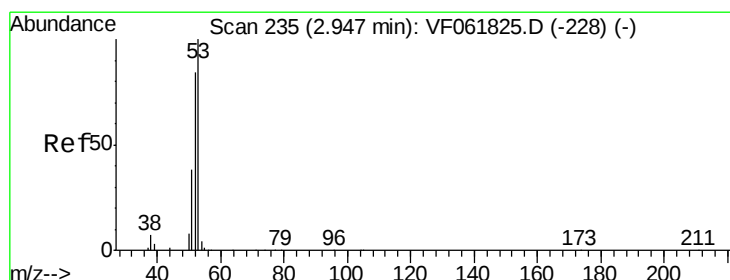
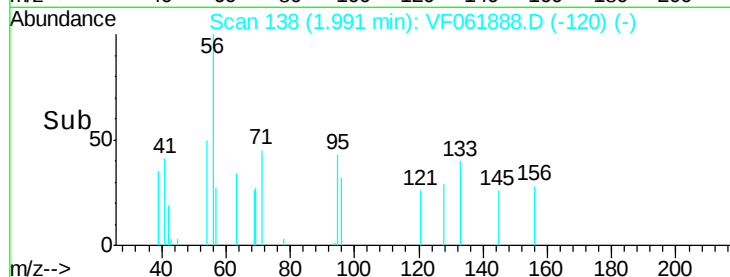
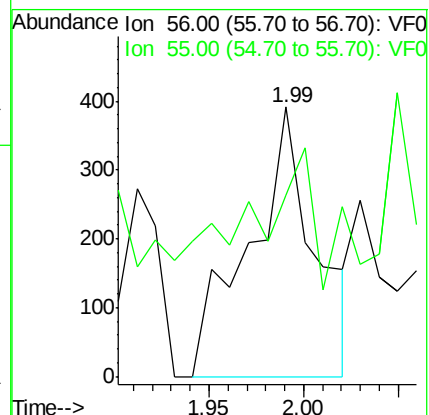
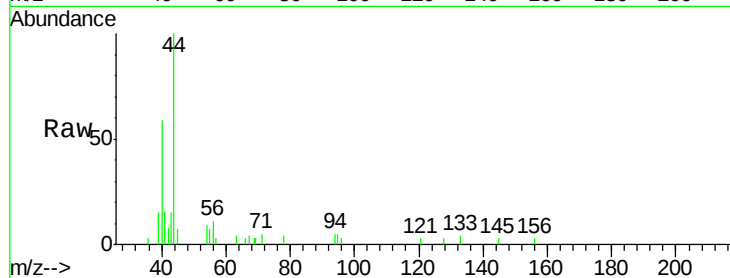
TP-24

Tot Ion: 56 Resp: 935

Ion Ratio Lower Upper

56 100

55 67.3 51.3 76.9



#15

Acrylonitrile

Concen: 1.127 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF061888.D

Acq: 11 Mar 2019 14:33

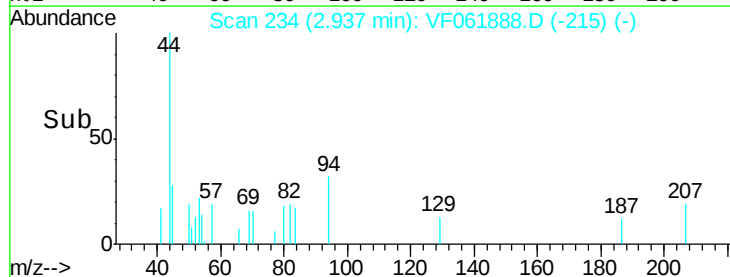
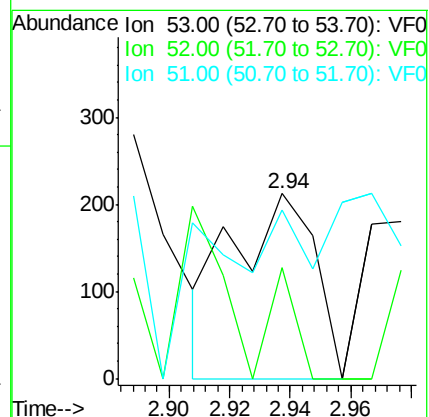
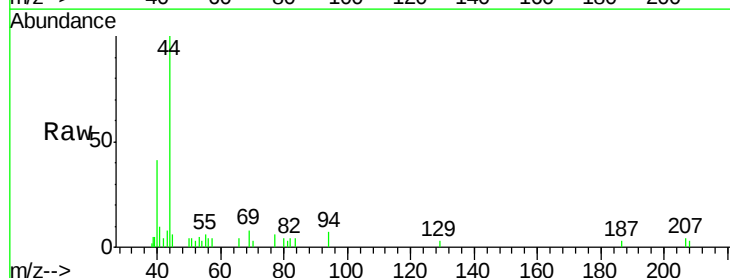
Tgt Ion: 53 Resp: 399

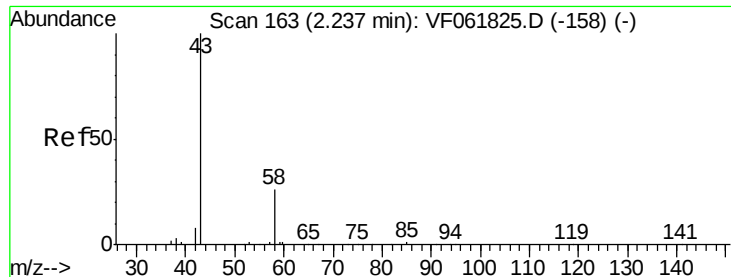
Ion Ratio Lower Upper

53 100

52 60.4 67.4 101.0#

51 91.0 30.7 46.1#





#16

Acetone

Concen: 2.724 ug/l

RT: 2.27 min Scan# 166

Delta R.T. 0.03 min

Lab File: VF061888.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_F

ClientSampled :

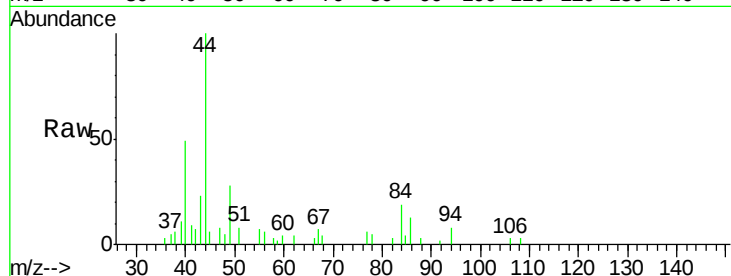
TP-24

Tot Ion: 43 Resp: 1118

Ion Ratio Lower Upper

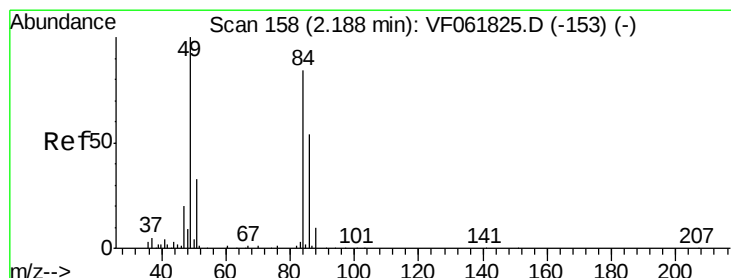
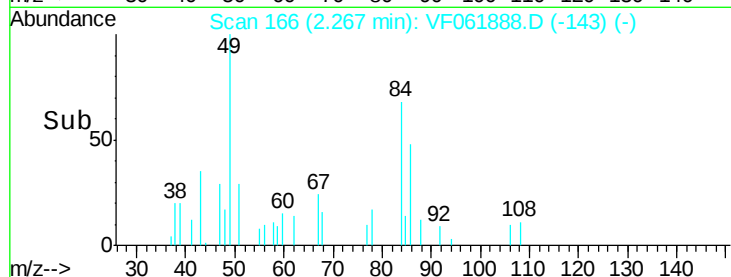
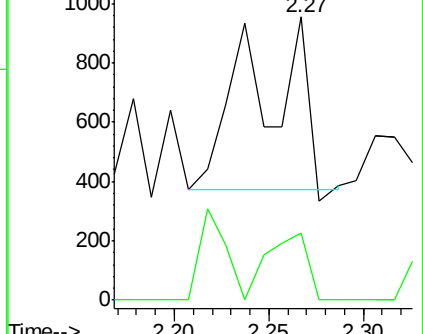
43 100

58 23.9 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF061888.D

Acq: 11 Mar 2019 14:33

Tgt Ion: 84 Resp: 3035

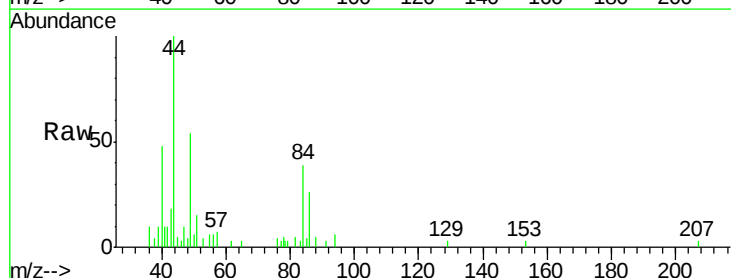
Ion Ratio Lower Upper

84 100

49 137.5 96.8 145.2

51 39.6 31.8 47.6

86 66.1 51.6 77.4

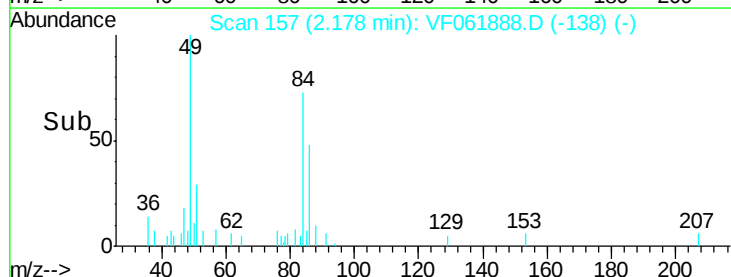
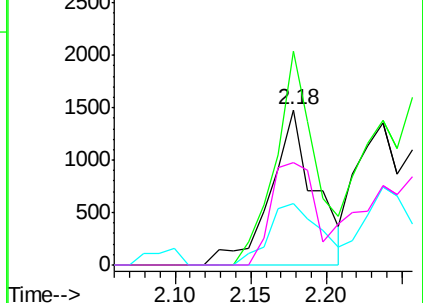


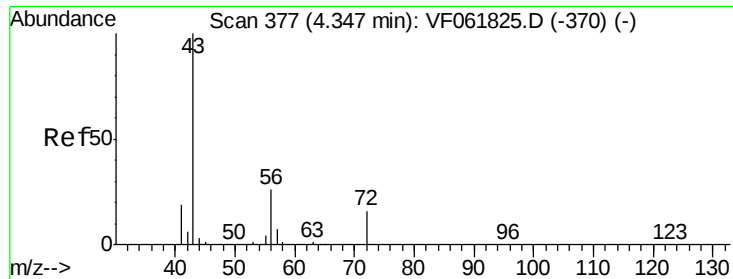
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#25

2-Butanone

Concen: 1.107 ug/l

RT: 4.36 min Scan# 378

Delta R.T. 0.01 min

Lab File: VF061888.D

Acq: 11 Mar 2019 14:33

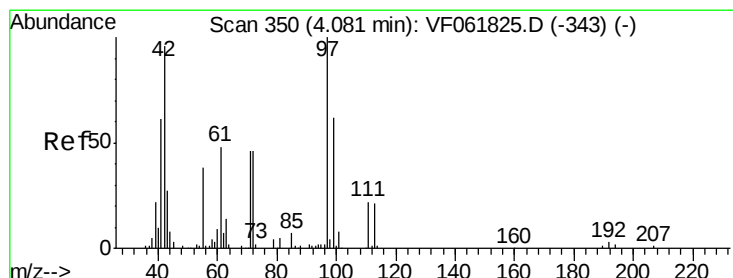
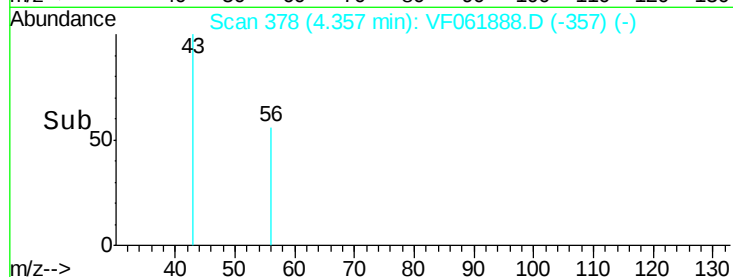
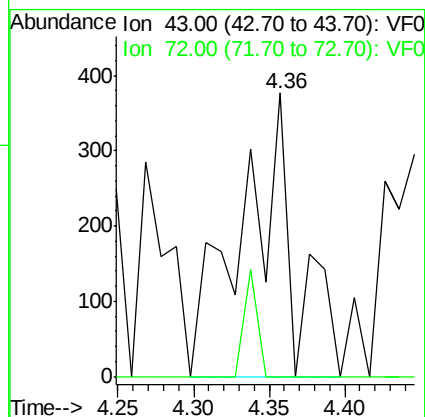
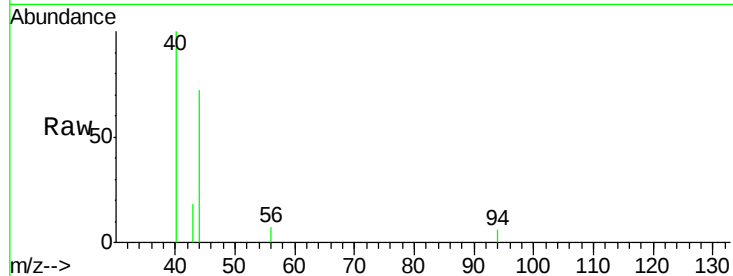
Instrument :
MSVOA_F
ClientSampled :
TP-24

Tot Ion: 43 Resp: 924

Ion Ratio Lower Upper

43 100

72 0.0 16.2 24.4#



#29

Tetrahydrofuran

Concen: 2.433 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.00 min

Lab File: VF061888.D

Acq: 11 Mar 2019 14:33

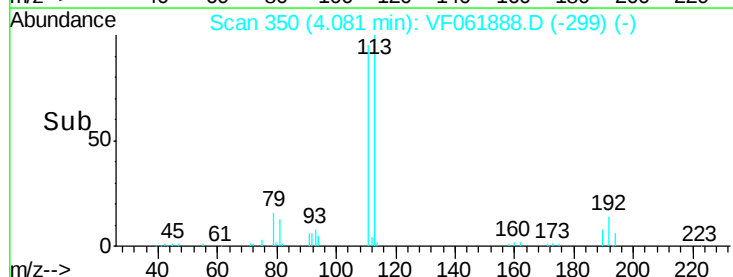
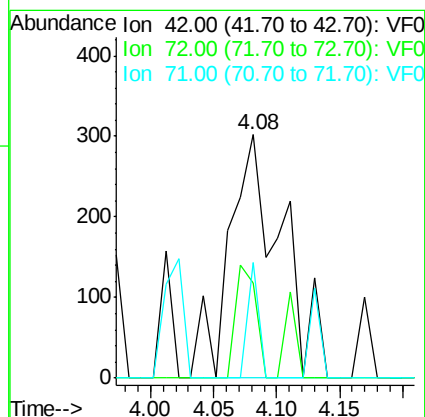
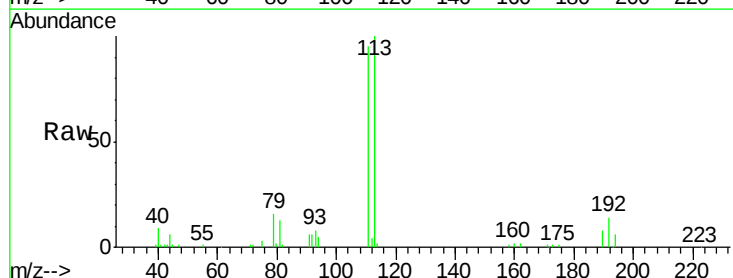
Tgt Ion: 42 Resp: 876

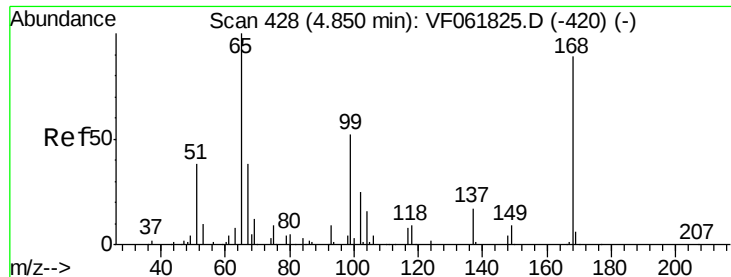
Ion Ratio Lower Upper

42 100

72 17.5 34.4 51.6#

71 9.7 34.6 52.0#

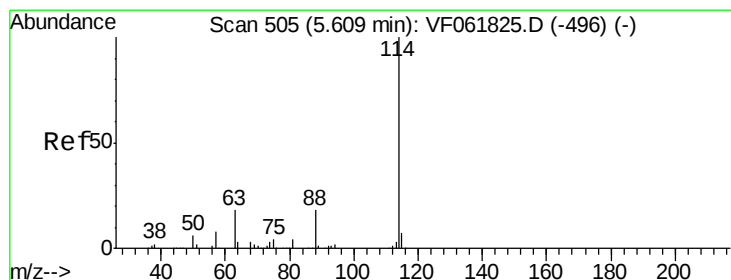
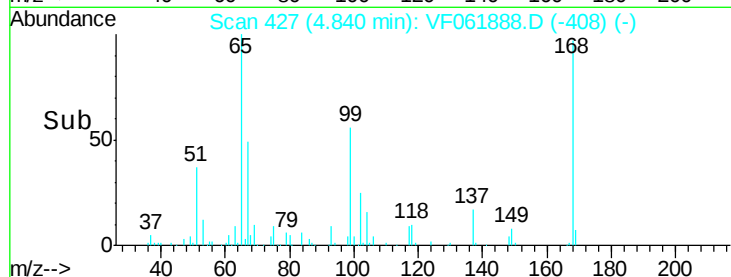
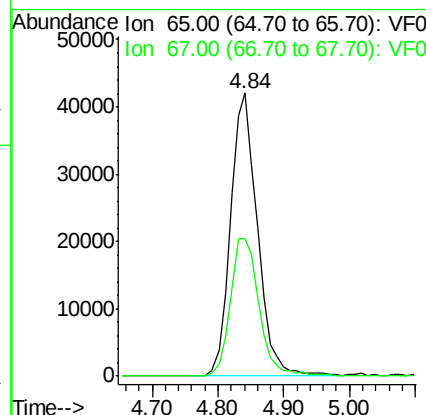
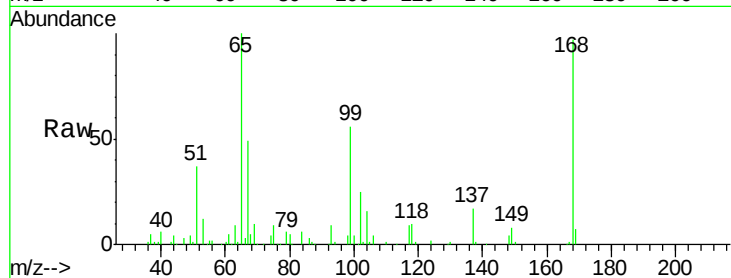




#33
 1,2-Dichloroethane-d4
 Concen: 61.568 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.01 min
 Lab File: VF061888.D
 Acq: 11 Mar 2019 14:33

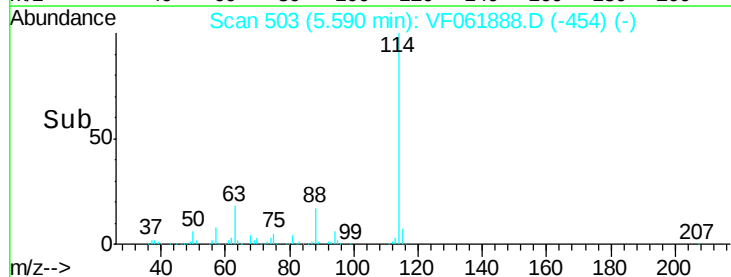
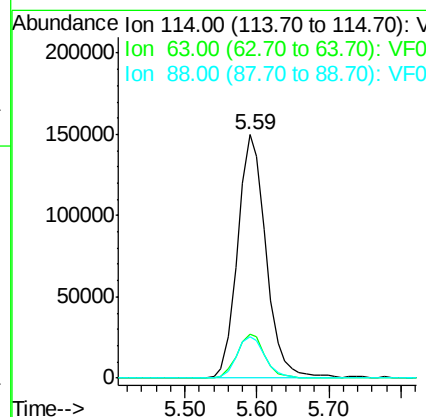
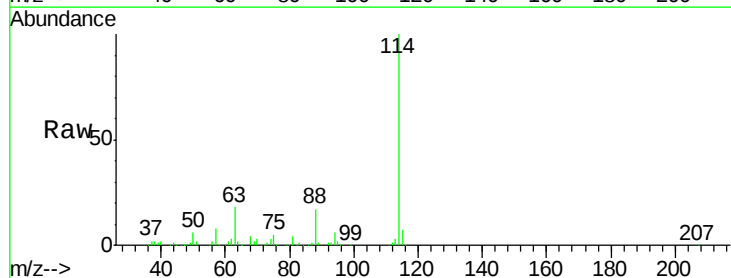
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-24

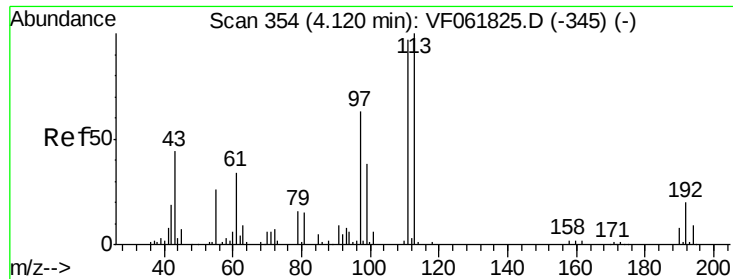
Tot Ion: 65 Resp: 120641
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: VF061888.D
 Acq: 11 Mar 2019 14:33

Tgt Ion: 114 Resp: 411550
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.6
 88 17.3 0.0 35.6

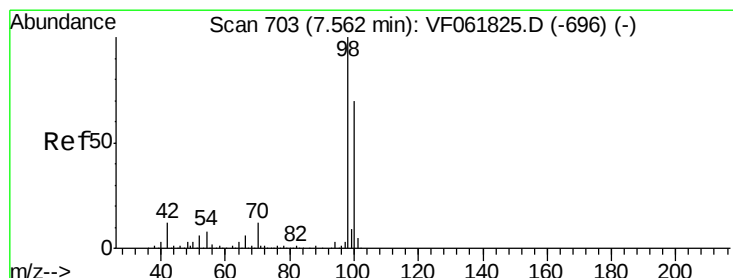
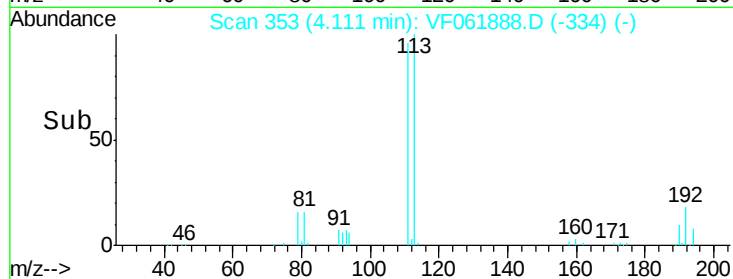
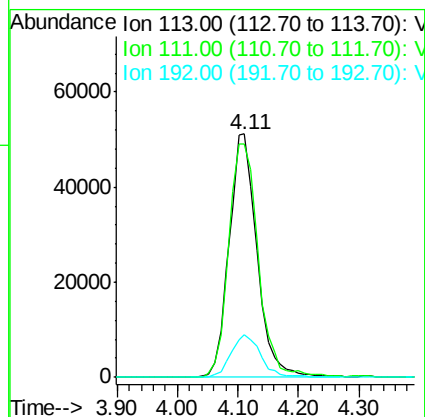
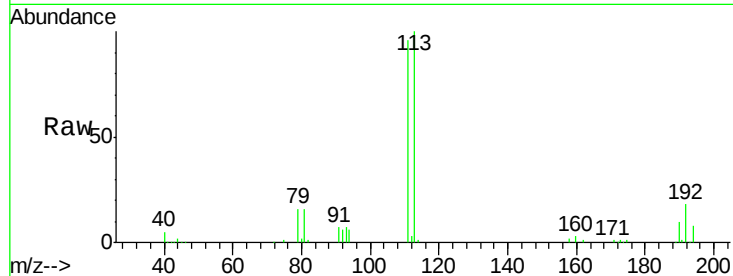




#35
Dibromofluoromethane
Concen: 57.283 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF061888.D
Acq: 11 Mar 2019 14:33

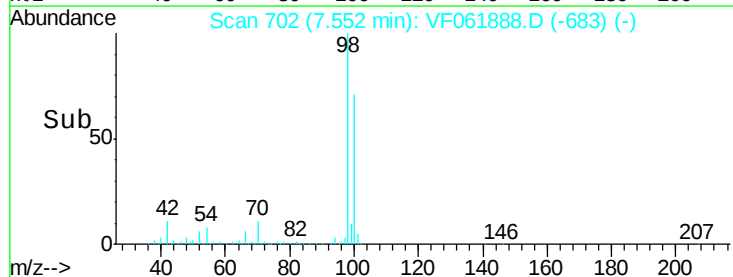
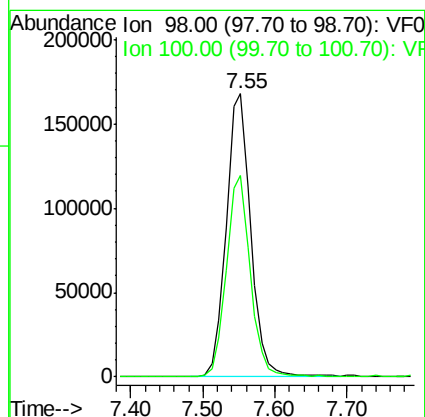
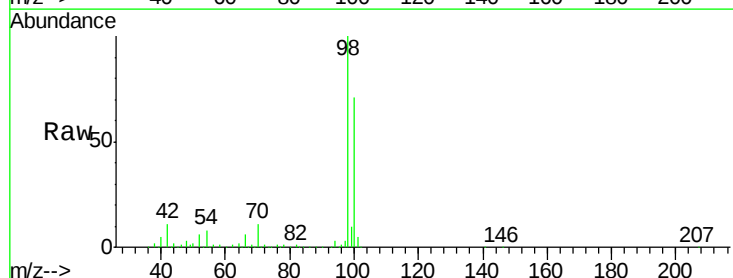
Instrument :
MSVOA_F
ClientSampleId :
TP-24

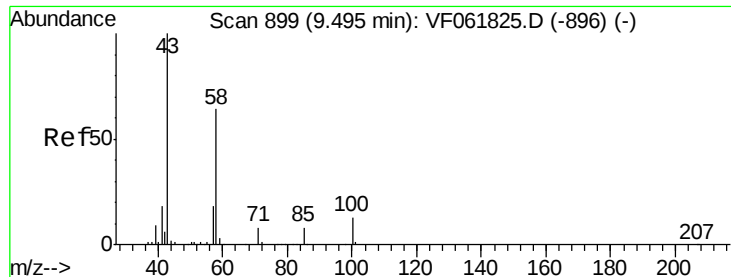
Tot Ion:113 Resp: 164522
Ion Ratio Lower Upper
113 100
111 96.1 77.6 116.4
192 17.6 15.9 23.9



#50
Toluene-d8
Concen: 46.424 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF061888.D
Acq: 11 Mar 2019 14:33

Tgt Ion: 98 Resp: 396307
Ion Ratio Lower Upper
98 100
100 71.1 56.0 84.0

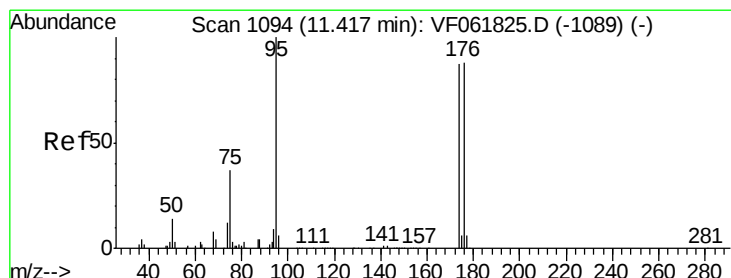
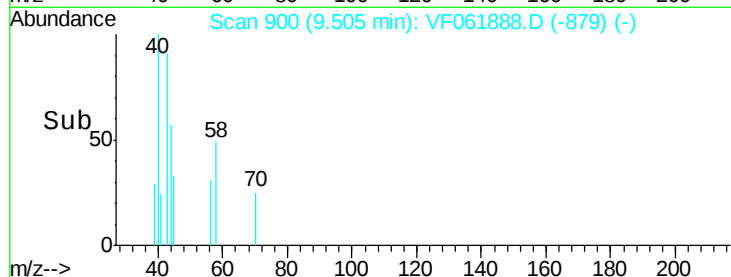
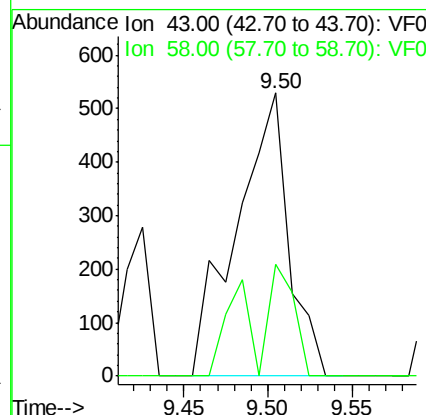
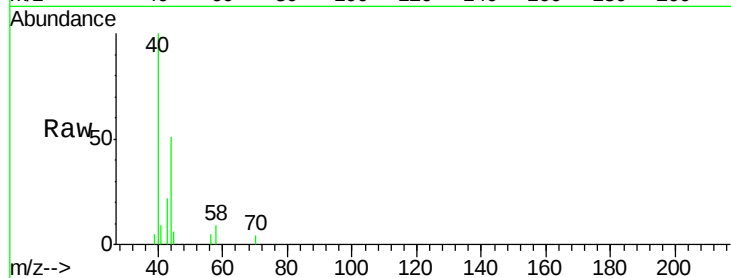




#59
2-Hexanone
Concen: 1.139 ug/l
RT: 9.50 min Scan# 900
Delta R.T. 0.01 min
Lab File: VF061888.D
Acq: 11 Mar 2019 14:33

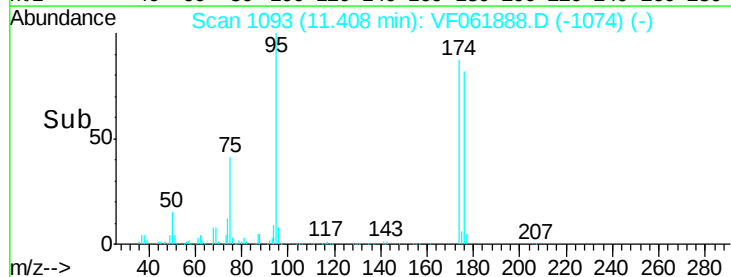
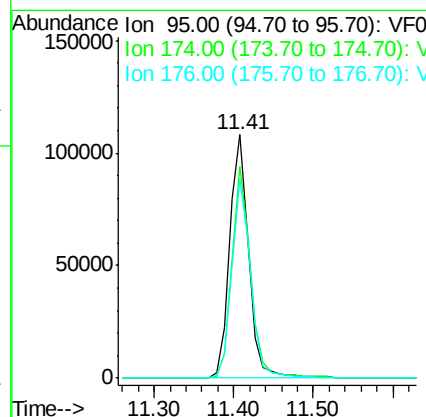
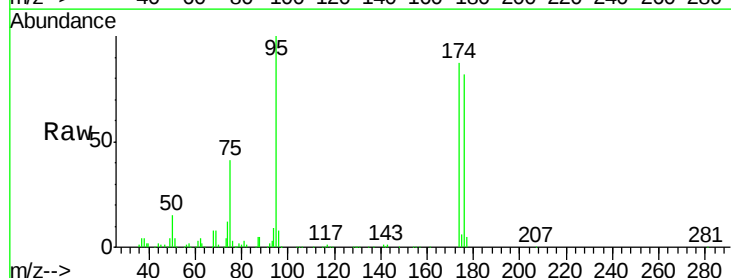
Instrument :
MSVOA_F
ClientSampled :
TP-24

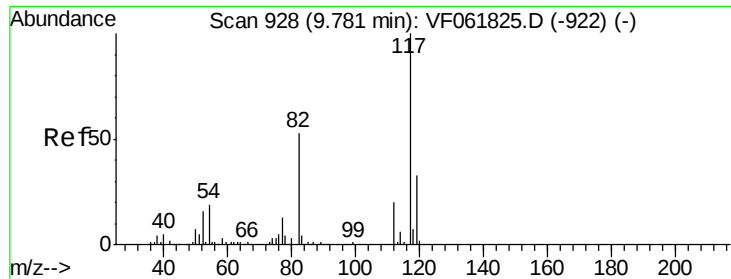
Tot Ion: 43 Resp: 1142
Ion Ratio Lower Upper
43 100
58 39.3 28.8 86.4



#62
4-Bromofluorobenzene
Concen: 54.773 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF061888.D
Acq: 11 Mar 2019 14:33

Tgt Ion: 95 Resp: 183162
Ion Ratio Lower Upper
95 100
174 87.0 0.0 174.0
176 81.9 0.0 175.2

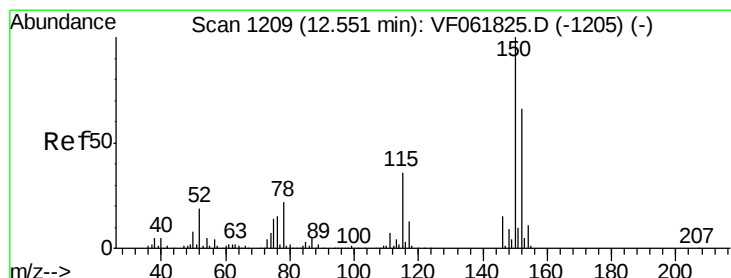
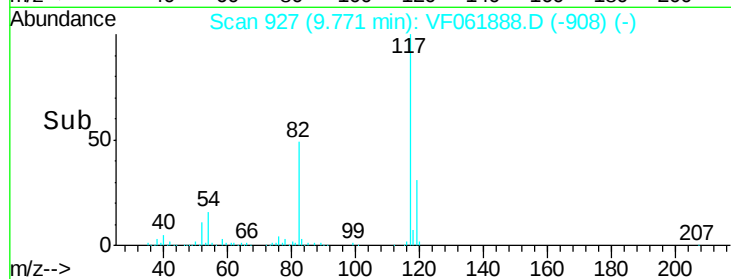
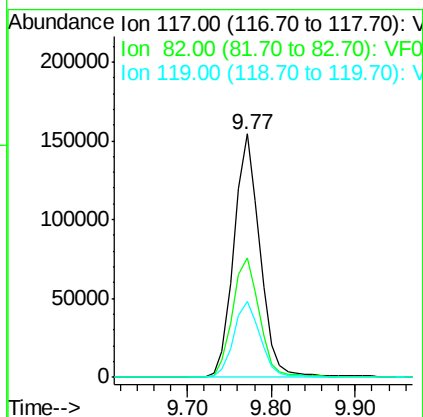
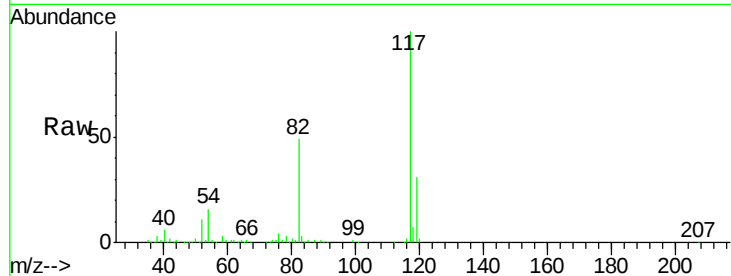




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061888.D
Acq: 11 Mar 2019 14:33

Instrument :
MSVOA_F
ClientSampleId :
TP-24

Tot Ion:117 Resp: 333018
Ion Ratio Lower Upper
117 100
82 49.3 42.6 63.8
119 31.1 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.00 min
Lab File: VF061888.D
Acq: 11 Mar 2019 14:33

Tgt Ion:152 Resp: 194412
Ion Ratio Lower Upper
152 100
115 47.9 27.7 83.1
150 152.6 0.0 304.2

