

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042919\
 Data File : VF062322.D
 Acq On : 29 Apr 2019 19:38
 Operator : FY/SY
 Sample : K2194-03RE
 Misc : 6.90g/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 30 03:50:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	275024	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.76	114	379153	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.89	117	300333	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	178580	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	132389	59.43	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	118.86%	
35) Dibromofluoromethane	4.30	113	163938	58.32	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	116.64%	
50) Toluene-d8	7.70	98	326167	47.50	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	95.00%	
62) 4-Bromofluorobenzene	11.48	95	155438	54.92	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	109.84%	

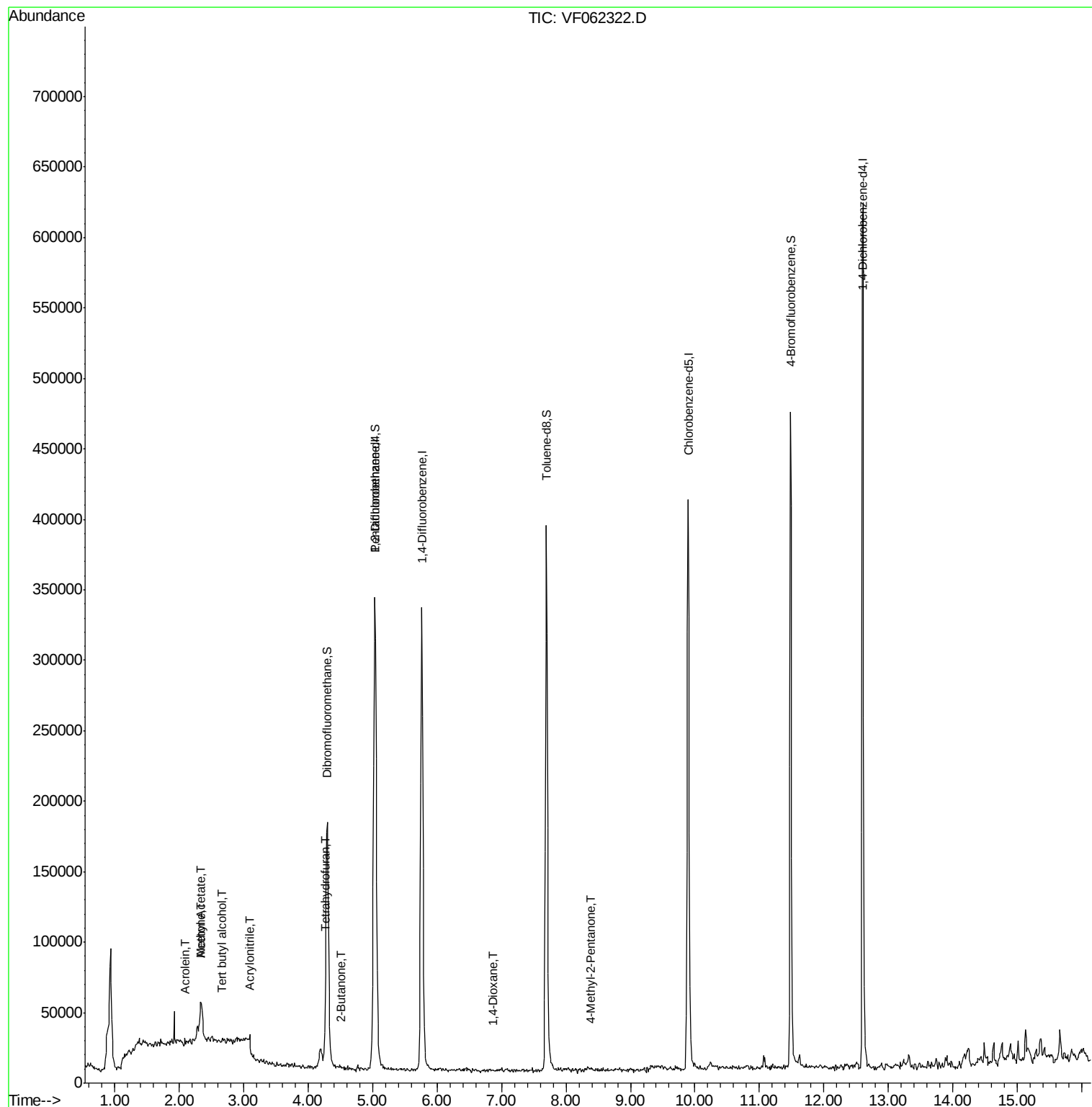
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	1304	9.677	ug/l #	1
13) Acrolein	2.08	56	451	11.702	ug/l #	50
15) Acrylonitrile	3.09	53	1105	2.961	ug/l #	81
16) Acetone	2.34	43	36639	73.457	ug/l	96
18) Methyl Acetate	2.34	43	36639	38.835	ug/l #	64
20) Methylene Chloride	2.33	84	7968	Below Cal	#	92
25) 2-Butanone	4.52	43	1675	2.118	ug/l #	57
29) Tetrahydrofuran	4.26	42	1200	3.453	ug/l #	57
49) 1,4-Dioxane	6.87	88	69	5.558	ug/l #	24
51) 4-Methyl-2-Pentanone	8.38	43	2563	2.210	ug/l #	59
59) 2-Hexanone	9.60	43	2452	Below Cal	#	62

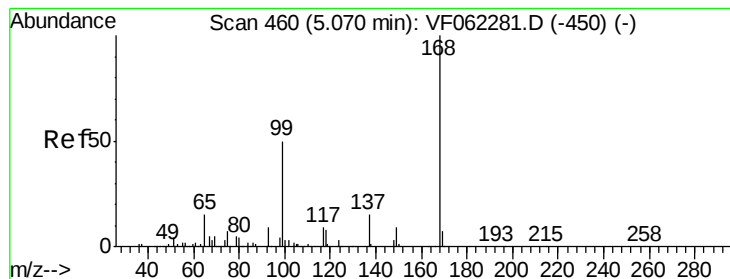
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042919\
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MSVOA_F
ClientSampleId :

Quant Time: Apr 30 03:50:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 25 08:40:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.03 min

Lab File: VF062322.D

Acq: 29 Apr 2019 19:38

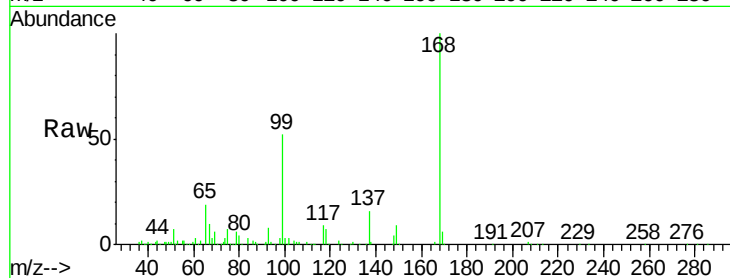
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 275024

Ion Ratio Lower Upper

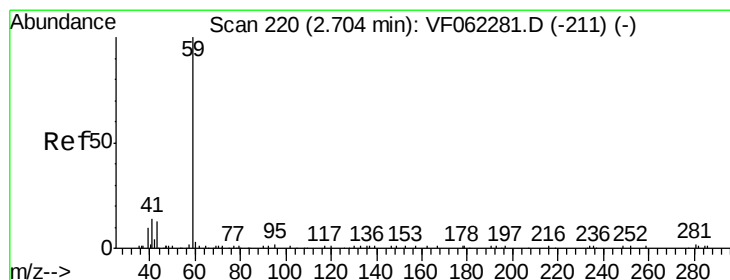
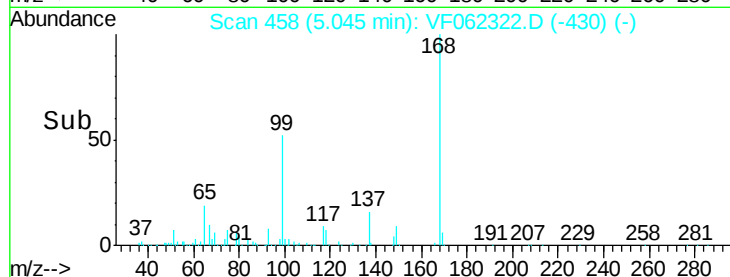
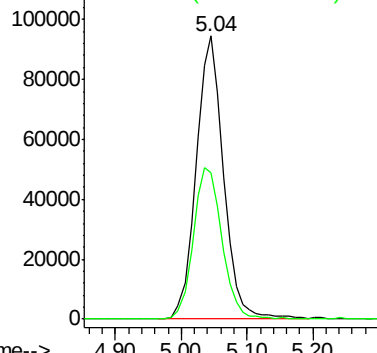
168 100

99 51.5 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0



#11

Tert butyl alcohol

Concen: 9.677 ug/l

RT: 2.68 min Scan# 218

Delta R.T. -0.03 min

Lab File: VF062322.D

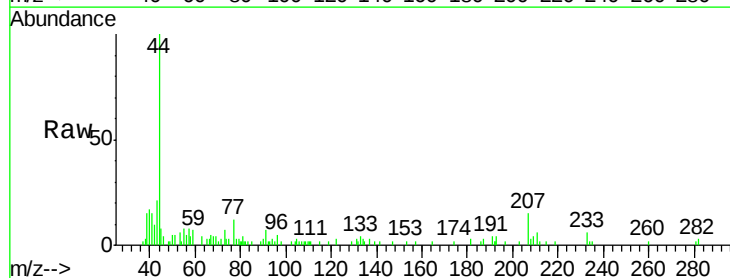
Acq: 29 Apr 2019 19:38

Tgt Ion: 59 Resp: 1304

Ion Ratio Lower Upper

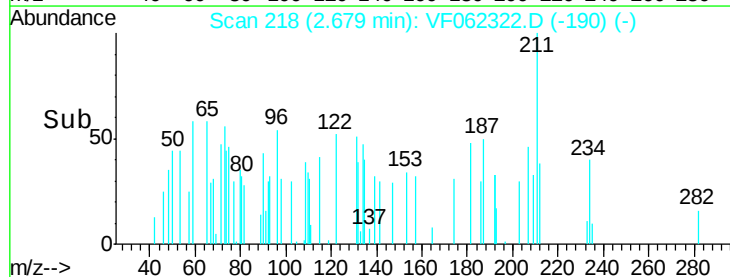
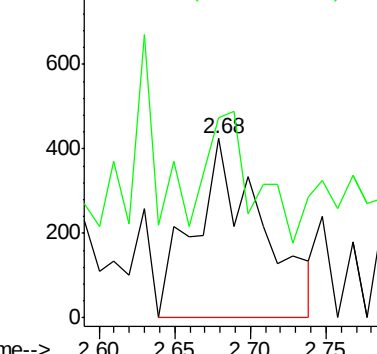
59 100

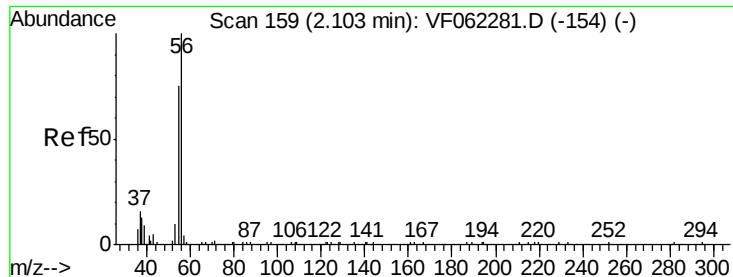
57 51.2 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

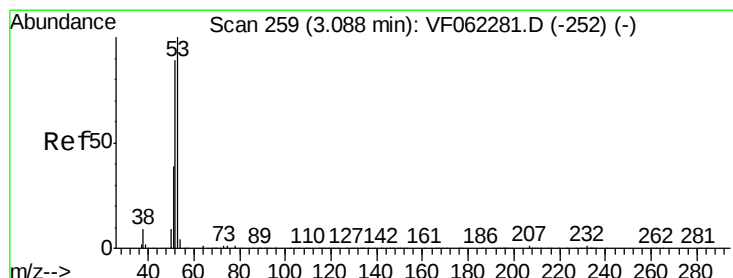
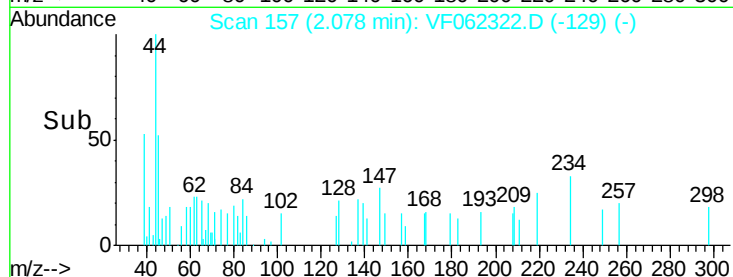
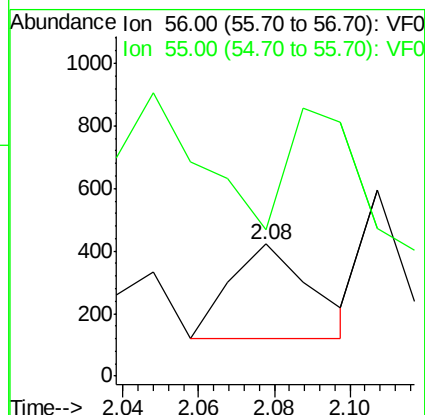
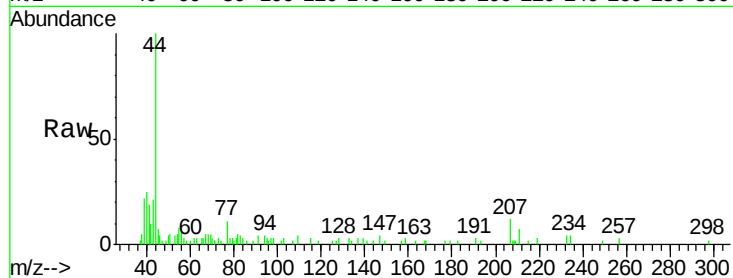




#13
Acrolein
Concen: 11.702 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.02 min
Lab File: VF062322.D
Acq: 29 Apr 2019 19:38

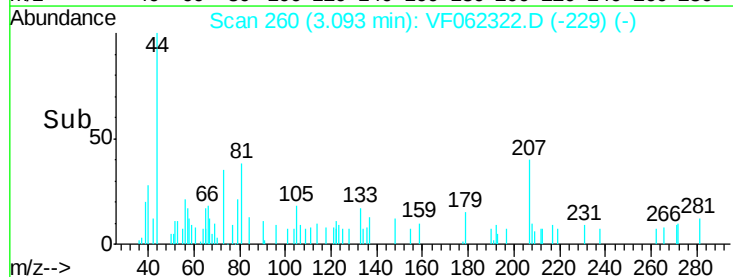
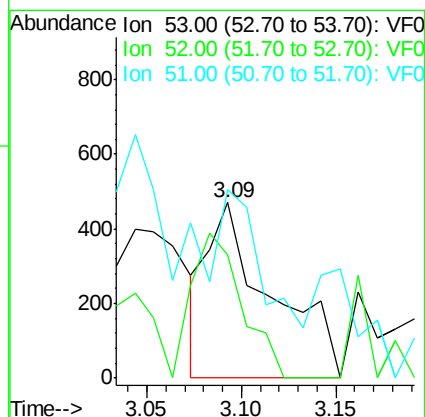
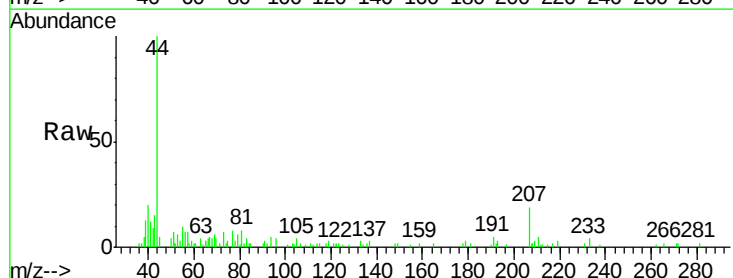
Instrument :
MSVOA_F
ClientSampleId :

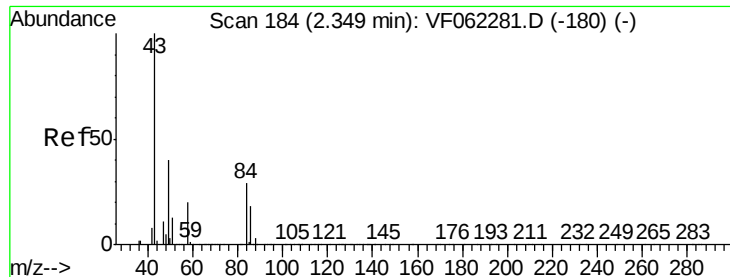
Tot Ion: 56 Resp: 451
Ion Ratio Lower Upper
56 100
55 121.7 62.3 93.5#



#15
Acrylonitrile
Concen: 2.961 ug/l
RT: 3.09 min Scan# 260
Delta R.T. 0.00 min
Lab File: VF062322.D
Acq: 29 Apr 2019 19:38

Tgt Ion: 53 Resp: 1105
Ion Ratio Lower Upper
53 100
52 65.6 70.6 105.8#
51 45.2 32.6 48.8

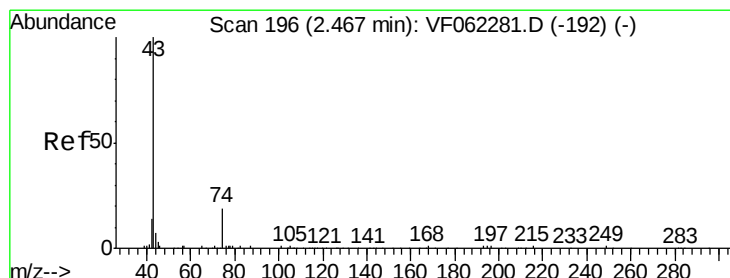
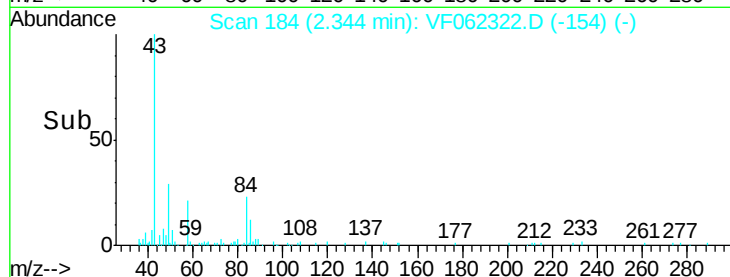
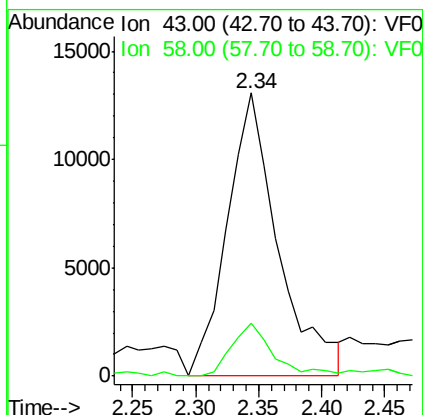
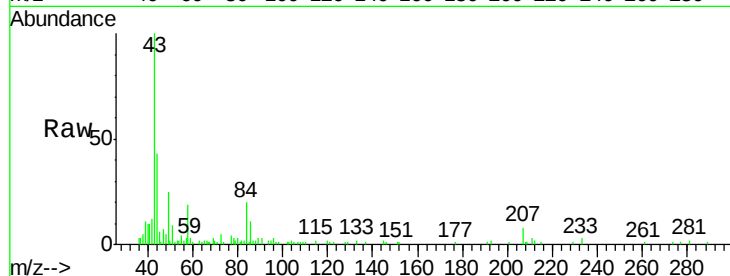




#16
Acetone
Concen: 73.457 ug/l
RT: 2.34 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062322.D
Acq: 29 Apr 2019 19:38

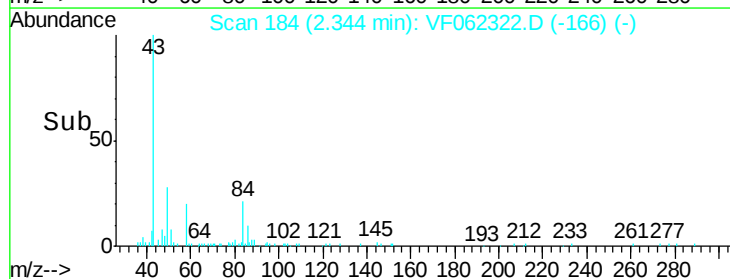
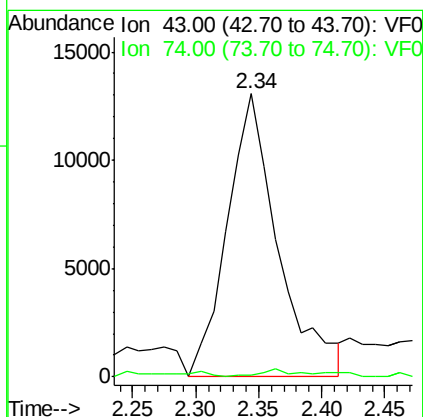
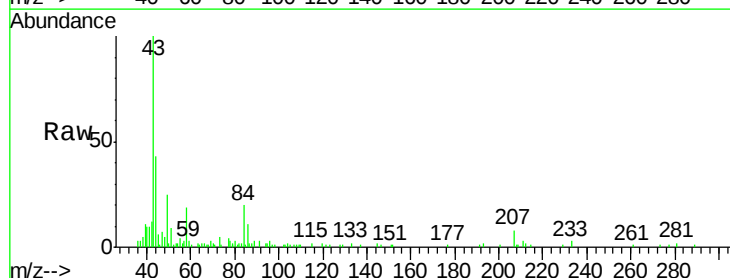
Instrument :
MSVOA_F
ClientSampleId :

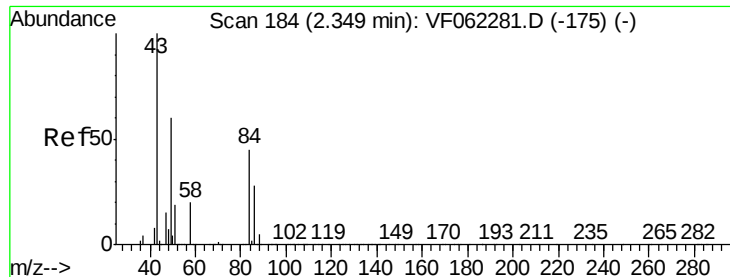
Tot Ion: 43 Resp: 36639
Ion Ratio Lower Upper
43 100
58 18.6 16.4 24.6



#18
Methyl Acetate
Concen: 38.835 ug/l
RT: 2.34 min Scan# 184
Delta R.T. -0.12 min
Lab File: VF062322.D
Acq: 29 Apr 2019 19:38

Tgt Ion: 43 Resp: 36639
Ion Ratio Lower Upper
43 100
74 2.1 14.4 21.6#

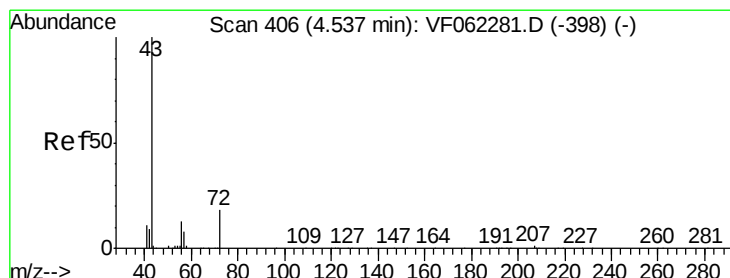
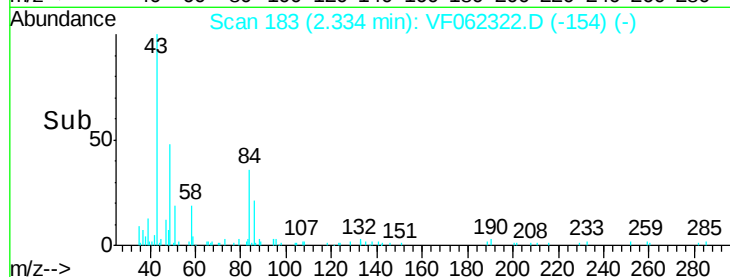
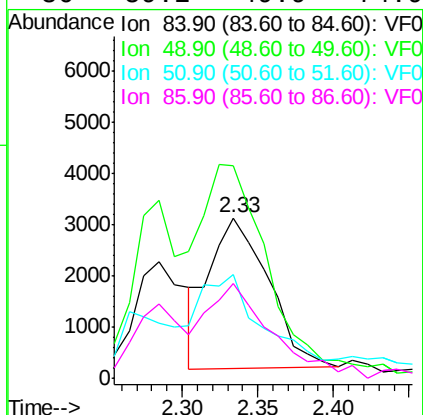
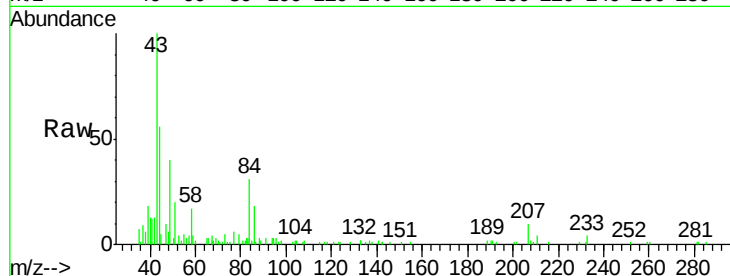




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.33 min Scan# 183
Delta R.T. -0.02 min
Lab File: VF062322.D
Acq: 29 Apr 2019 19:38

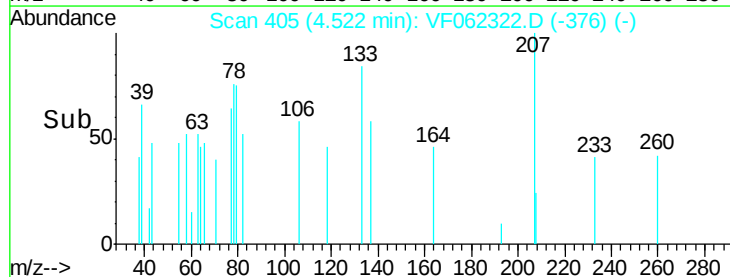
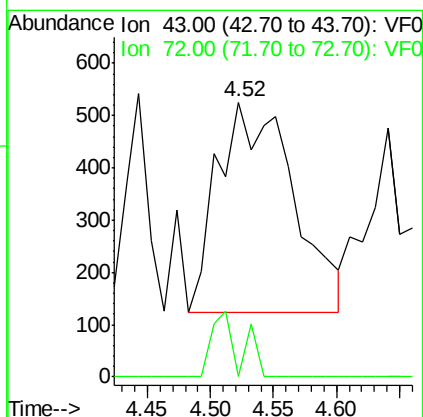
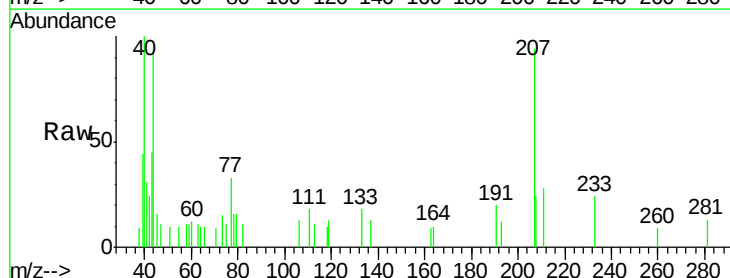
Instrument :
MSVOA_F
ClientSampleId :

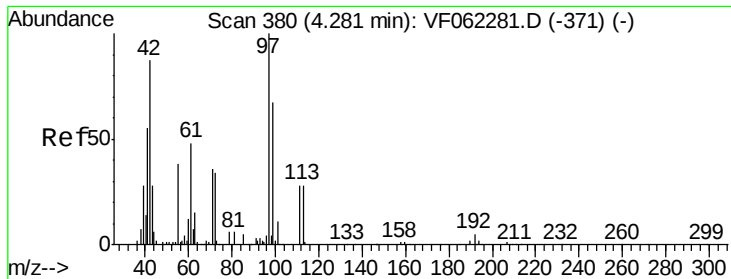
Tot Ion: 84 Resp: 7968
Ion Ratio Lower Upper
84 100
49 131.1 112.1 168.1
51 56.3 35.9 53.9#
86 59.2 49.9 74.9



#25
2-Butanone
Concen: 2.118 ug/l
RT: 4.52 min Scan# 405
Delta R.T. -0.02 min
Lab File: VF062322.D
Acq: 29 Apr 2019 19:38

Tgt Ion: 43 Resp: 1675
Ion Ratio Lower Upper
43 100
72 0.0 15.8 23.6#





#29

Tetrahydrofuran

Concen: 3.453 ug/l

RT: 4.26 min Scan# 378

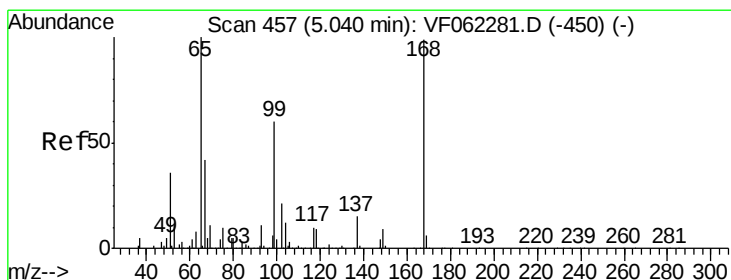
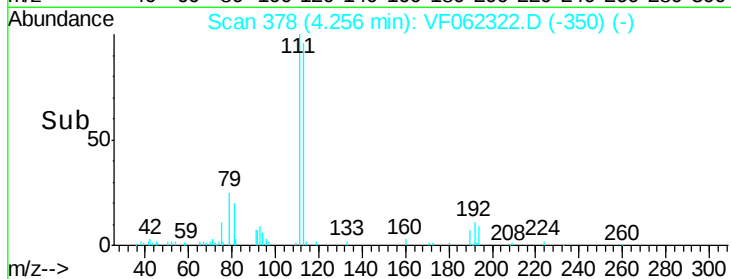
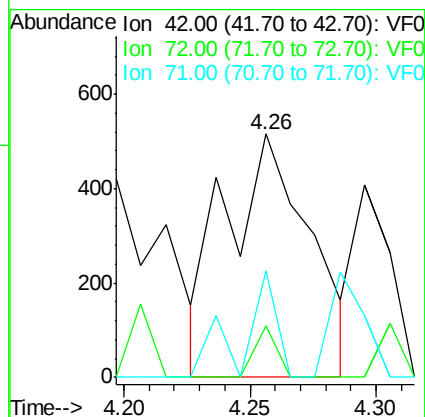
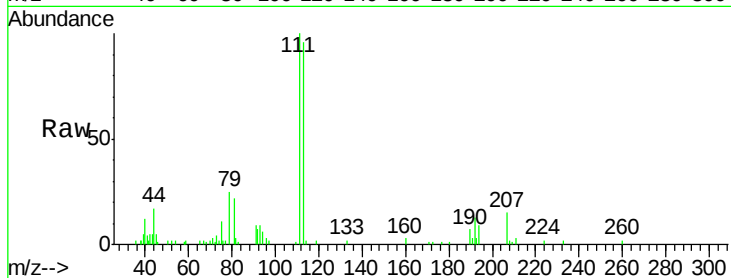
Delta R.T. -0.03 min

Lab File: VF062322.D

Acq: 29 Apr 2019 19:38

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	42	Resp:	1200
Ion	Ratio	Lower	Upper
42	100		
72	5.5	29.3	43.9#
71	17.7	31.2	46.8#



#33

1,2-Dichloroethane-d4

Concen: 59.428 ug/l

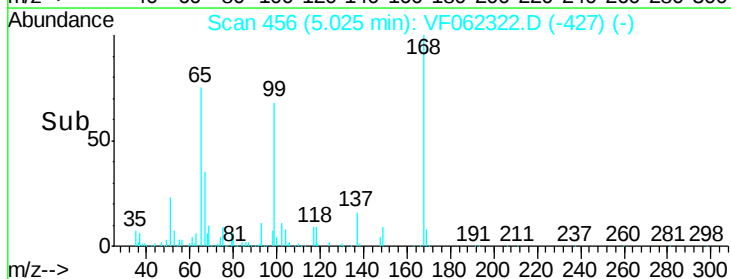
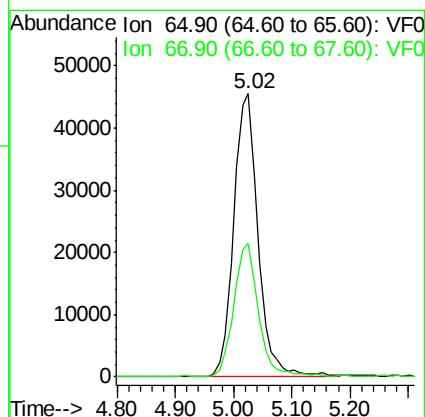
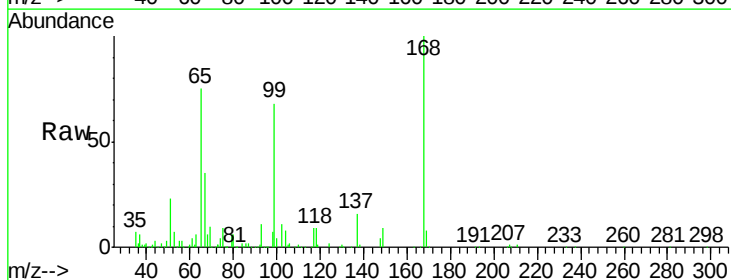
RT: 5.02 min Scan# 456

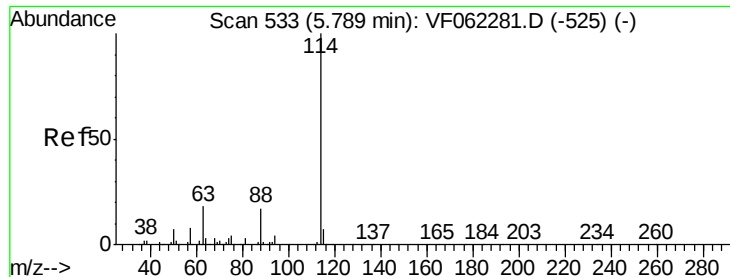
Delta R.T. -0.02 min

Lab File: VF062322.D

Acq: 29 Apr 2019 19:38

Tgt Ion:	65	Resp:	132389
Ion	Ratio	Lower	Upper
65	100		
67	47.6	0.0	98.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.03 min

Lab File: VF062322.D

Acq: 29 Apr 2019 19:38

Instrument :

MSVOA_F

ClientSampleId :

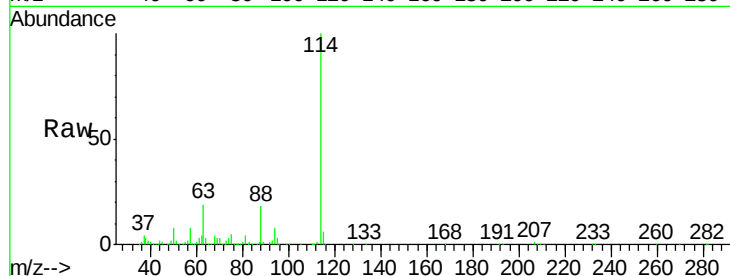
Tot Ion:114 Resp: 379153

Ion Ratio Lower Upper

114 100

63 18.9 0.0 35.6

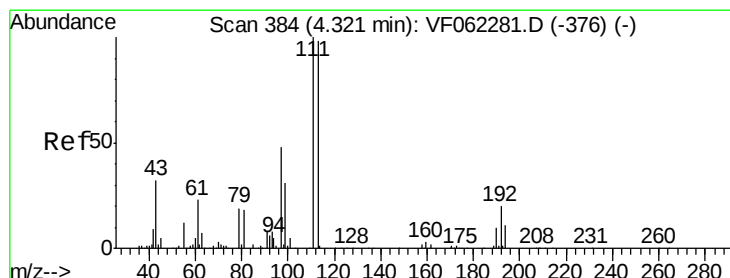
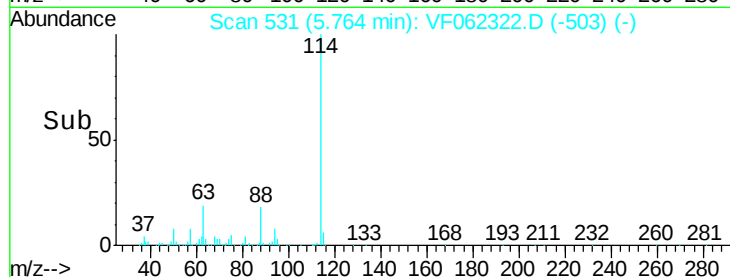
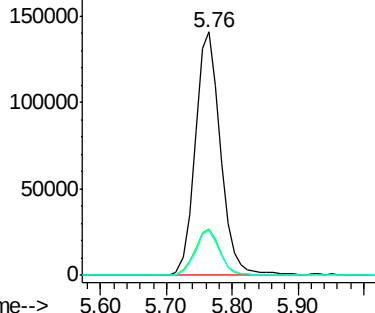
88 18.4 0.0 34.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0



#35

Dibromofluoromethane

Concen: 58.315 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.03 min

Lab File: VF062322.D

Acq: 29 Apr 2019 19:38

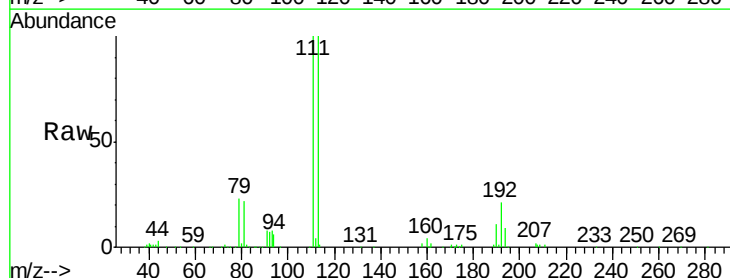
Tgt Ion:113 Resp: 163938

Ion Ratio Lower Upper

113 100

111 99.6 81.4 122.2

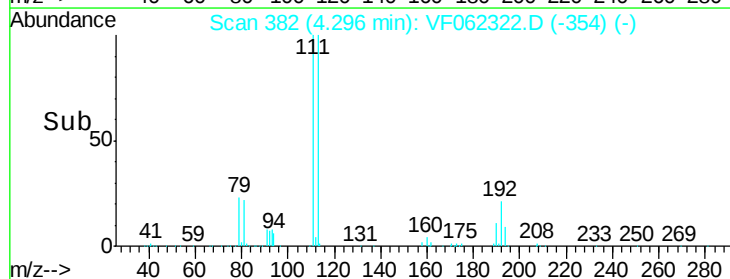
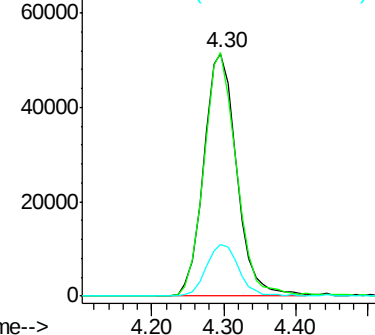
192 21.3 17.0 25.4

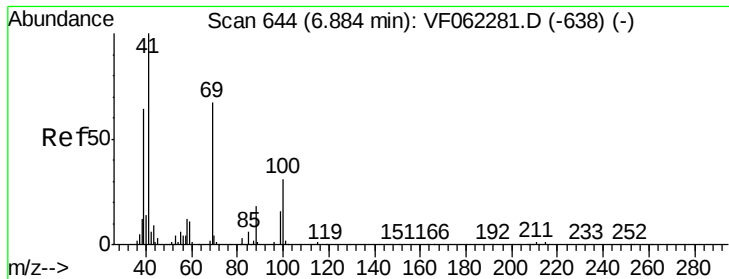


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

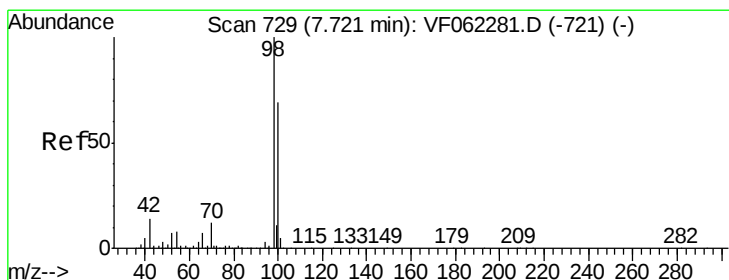
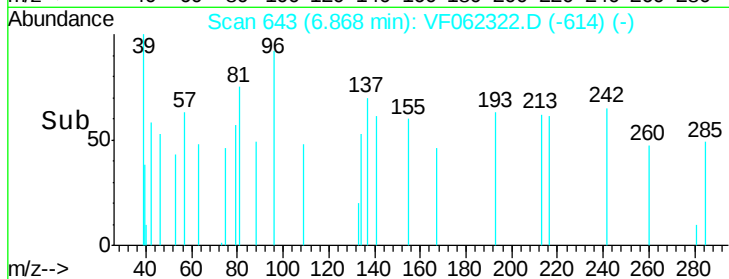
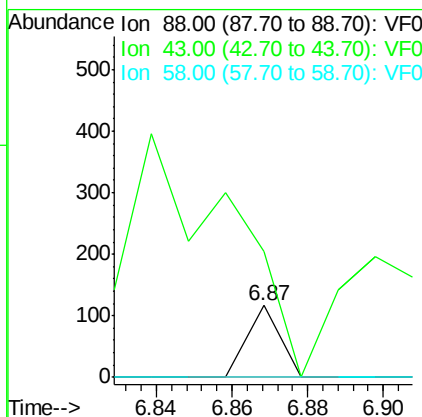
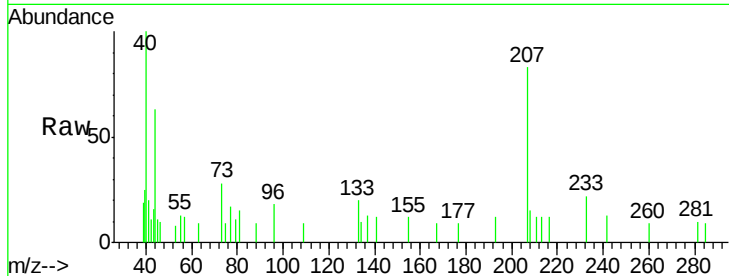




#49
 1,4-Dioxane
 Concen: 5.558 ug/l
 RT: 6.87 min Scan# 643
 Delta R.T. -0.02 min
 Lab File: VF062322.D
 Acq: 29 Apr 2019 19:38

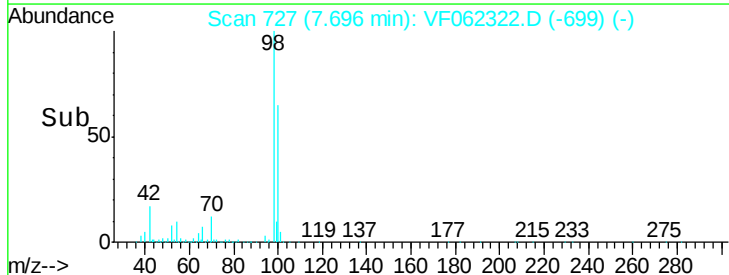
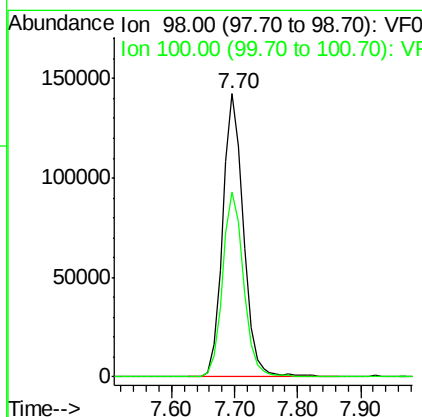
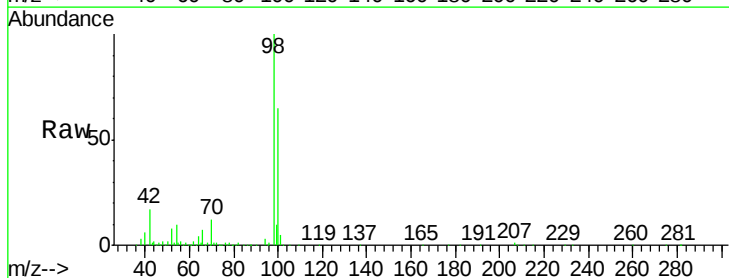
Instrument :
 MSVOA_F
 ClientSampleId :

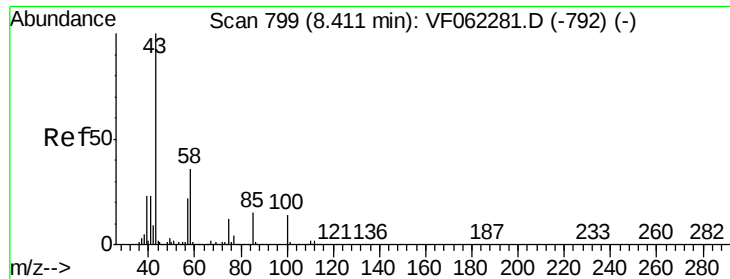
Tot Ion: 88 Resp: 69
 Ion Ratio Lower Upper
 88 100
 43 0.0 34.2 51.4#
 58 0.0 50.7 76.1#



#50
 Toluene-d8
 Concen: 47.499 ug/l
 RT: 7.70 min Scan# 727
 Delta R.T. -0.03 min
 Lab File: VF062322.D
 Acq: 29 Apr 2019 19:38

Tgt Ion: 98 Resp: 326167
 Ion Ratio Lower Upper
 98 100
 100 65.8 54.4 81.6





#51

4-Methyl-2-Pentanone

Concen: 2.210 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.03 min

Lab File: VF062322.D

Acq: 29 Apr 2019 19:38

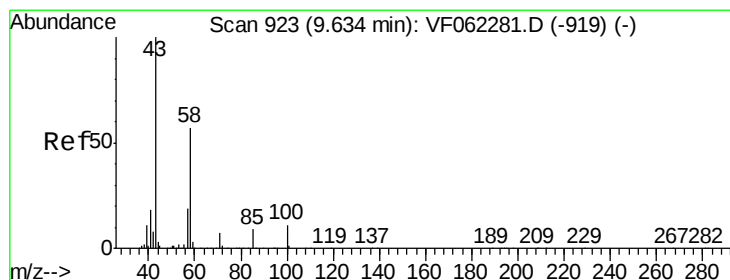
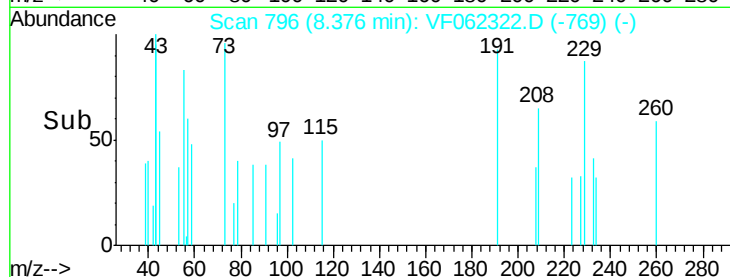
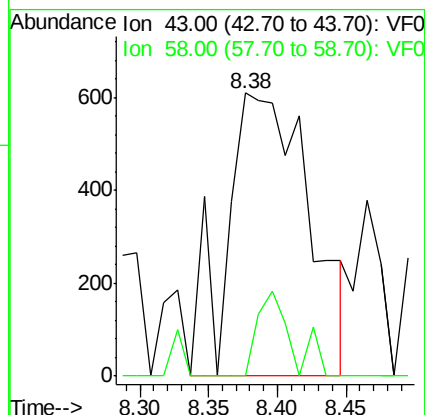
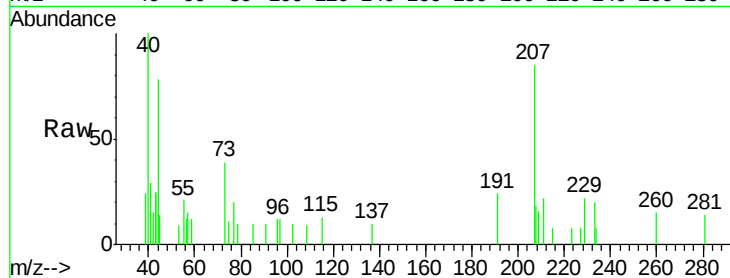
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 2563

Ion Ratio Lower Upper

43 100

58 12.4 29.1 43.7#



#59

2-Hexanone

Concen: Below Cal

RT: 9.60 min Scan# 920

Delta R.T. -0.03 min

Lab File: VF062322.D

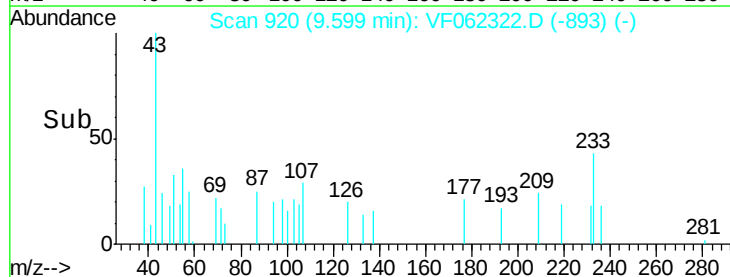
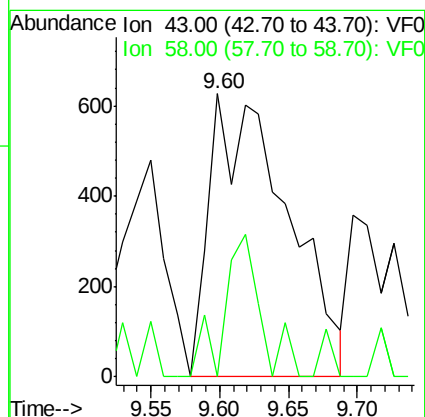
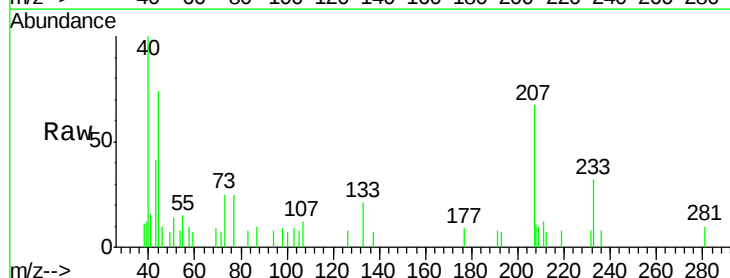
Acq: 29 Apr 2019 19:38

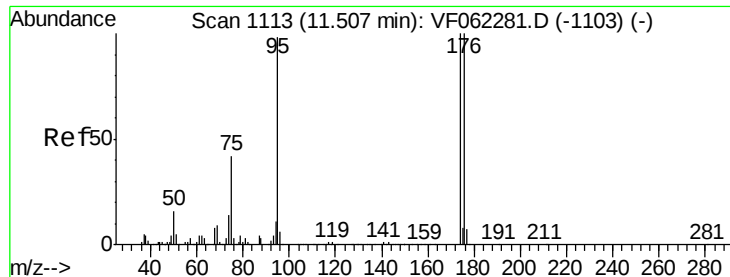
Tgt Ion: 43 Resp: 2452

Ion Ratio Lower Upper

43 100

58 23.9 24.9 74.7#

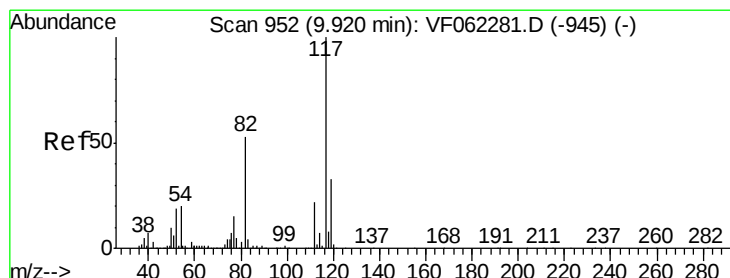
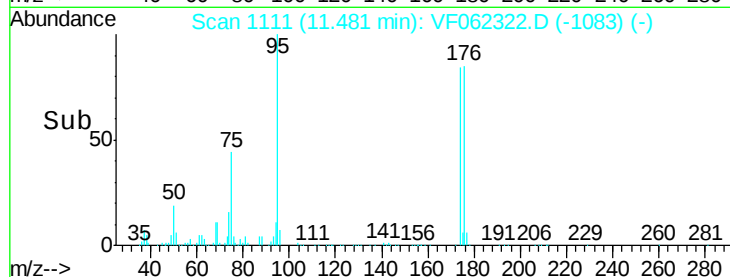
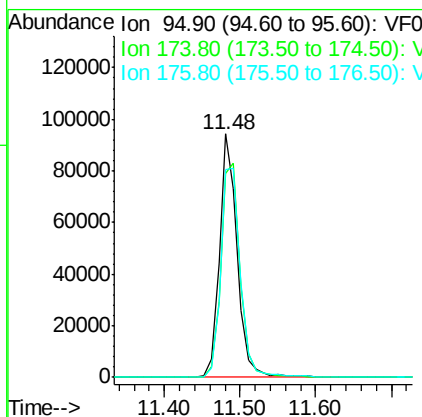
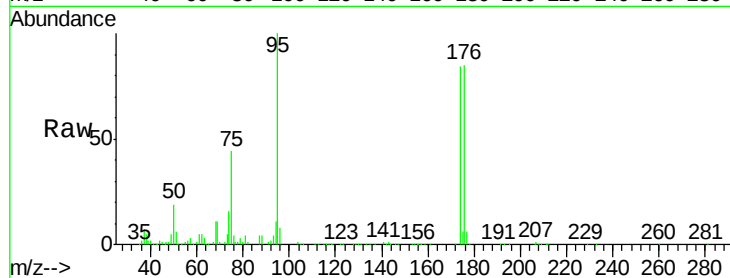




#62
4-Bromofluorobenzene
Concen: 54.918 ug/l
RT: 11.48 min Scan# 1111
Delta R.T. -0.03 min
Lab File: VF062322.D
Acq: 29 Apr 2019 19:38

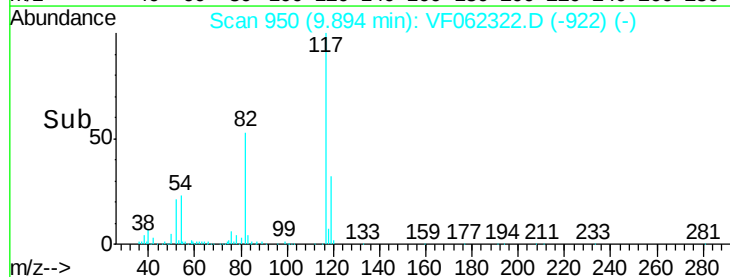
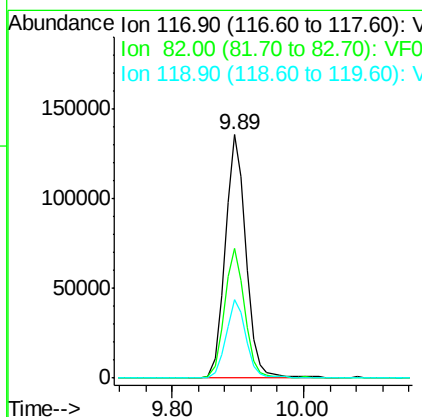
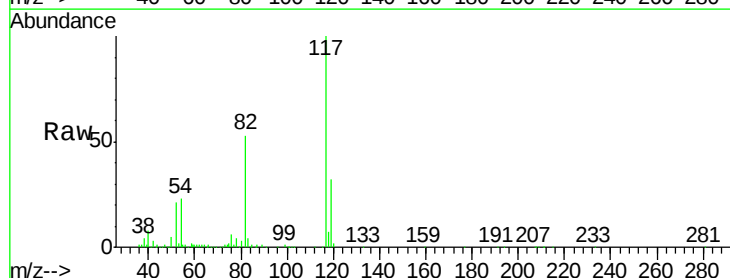
Instrument :
MSVOA_F
ClientSampleId :

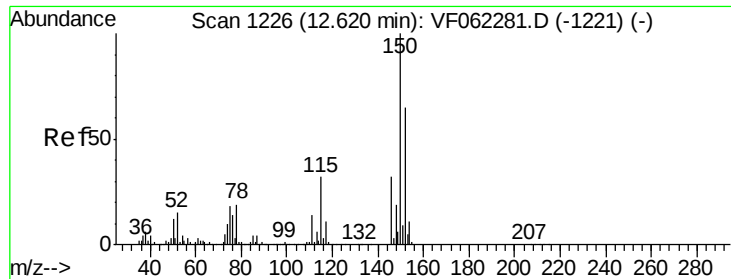
Tot Ion: 95 Resp: 155438
Ion Ratio Lower Upper
95 100
174 95.1 0.0 185.2
176 94.7 0.0 184.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.03 min
Lab File: VF062322.D
Acq: 29 Apr 2019 19:38

Tgt Ion: 117 Resp: 300333
Ion Ratio Lower Upper
117 100
82 53.2 42.6 64.0
119 32.2 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VF062322.D

Acq: 29 Apr 2019 19:38

Instrument :

MSVOA_F

ClientSampleId :

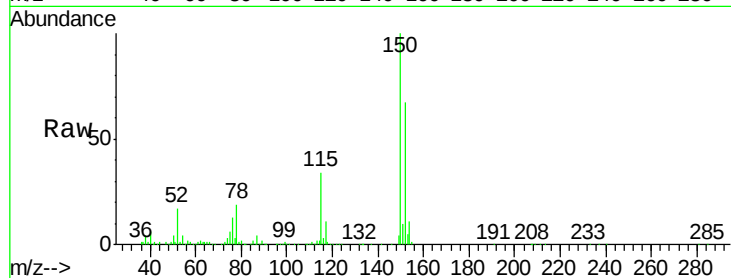
Tot Ion:152 Resp: 178580

Ion Ratio Lower Upper

152 100

115 55.9 25.6 76.8

150 154.5 0.0 330.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

