

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042919\
 Data File : VF062323.D
 Acq On : 29 Apr 2019 20:05
 Operator : FY/SY
 Sample : K2194-05RE
 Misc : 6.01g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 30 03:50:23 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

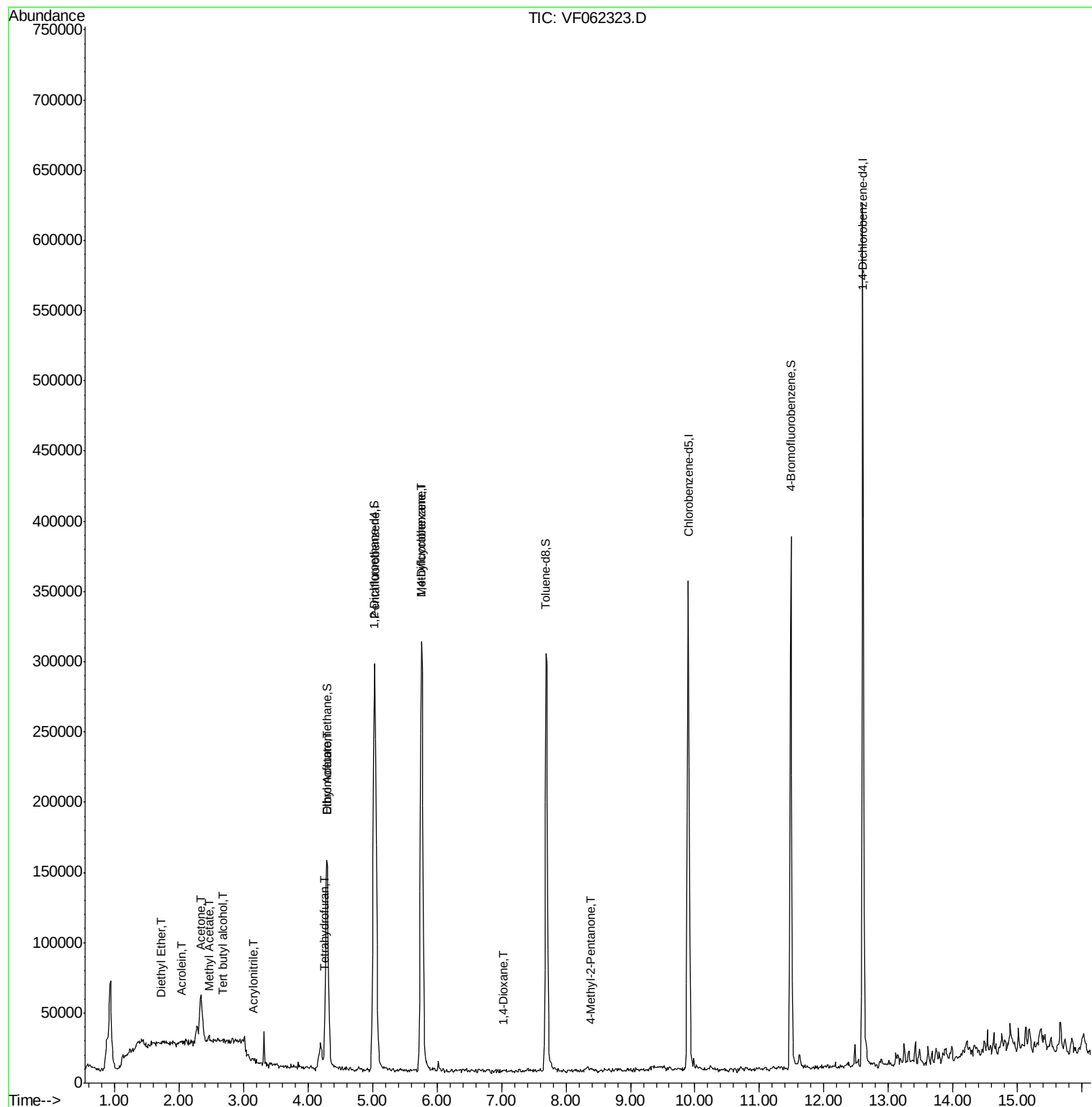
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	251321	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.76	114	347715	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.90	117	260346	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.60	152	159274	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	110855	54.45	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	108.90%	
35) Dibromofluoromethane	4.29	113	140953	54.67	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	109.34%	
50) Toluene-d8	7.69	98	260024	41.29	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	82.58%	
62) 4-Bromofluorobenzene	11.49	95	124084	47.80	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	95.60%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.72	74	1627	2.372	ug/l	76
11) Tert butyl alcohol	2.67	59	758	6.155	ug/l #	71
13) Acrolein	2.04	56	1746	22.874	ug/l #	37
15) Acrylonitrile	3.14	53	521	1.528	ug/l #	44
16) Acetone	2.34	43	39370	86.377	ug/l	93
18) Methyl Acetate	2.47	43	5692	3.960	ug/l #	63
20) Methylene Chloride	2.35	84	9980	Below Cal		90
29) Tetrahydrofuran	4.25	42	1095	3.448	ug/l #	64
37) Ethyl Acetate	4.29	43	1368	1.014	ug/l #	10
39) Methylcyclohexane	5.77	83	5096	1.361	ug/l #	33
49) 1,4-Dioxane	7.02	88	74	6.499	ug/l #	24
51) 4-Methyl-2-Pentanone	8.39	43	2212	2.080	ug/l #	87
59) 2-Hexanone	9.60	43	1959	Below Cal	#	55

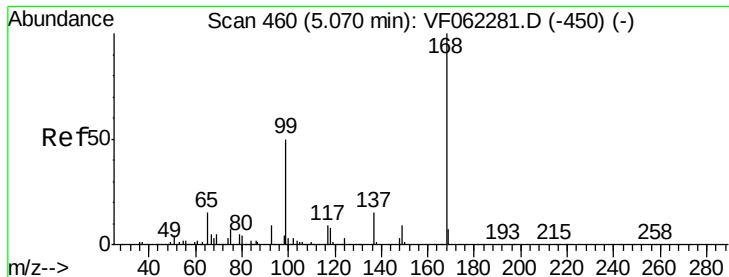
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042919\
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Acq On : 29 Apr 2019 20:05
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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# 457

Delta R.T. -0.03 min

Lab File: VF062323.D

Acq: 29 Apr 2019 20:05

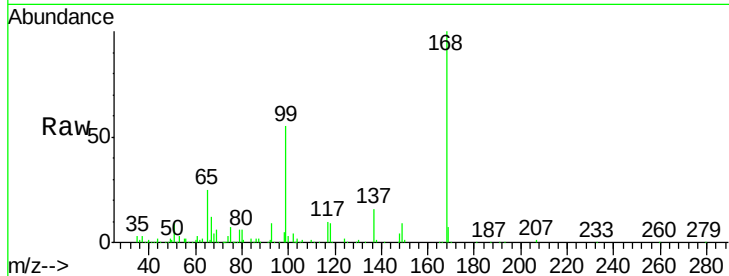
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 251321

Ion Ratio Lower Upper

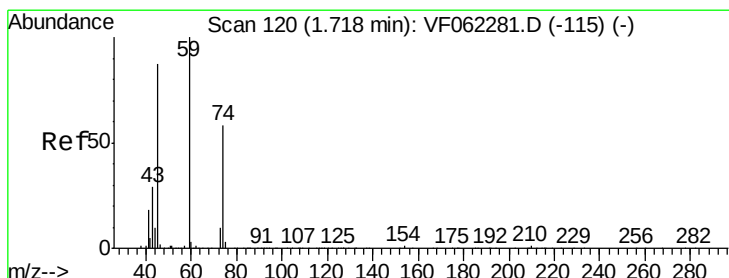
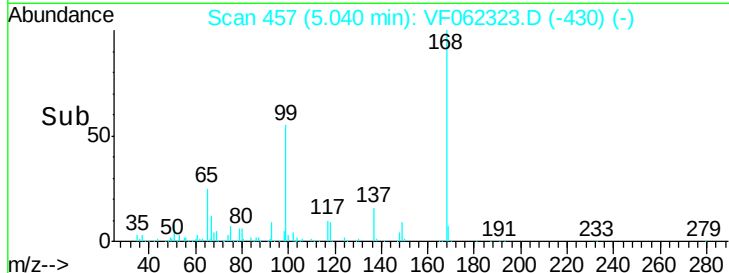
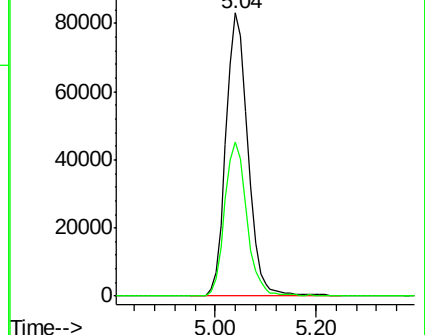
168 100

99 54.5 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0



#8

Diethyl Ether

Concen: 2.372 ug/l

RT: 1.72 min Scan# 120

Delta R.T. 0.00 min

Lab File: VF062323.D

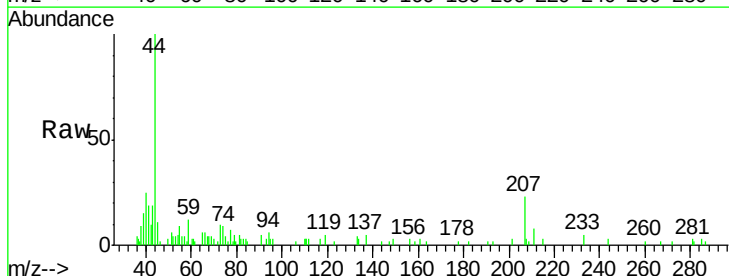
Acq: 29 Apr 2019 20:05

Tgt Ion: 74 Resp: 1627

Ion Ratio Lower Upper

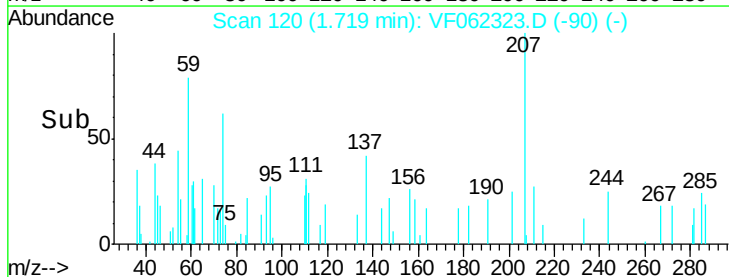
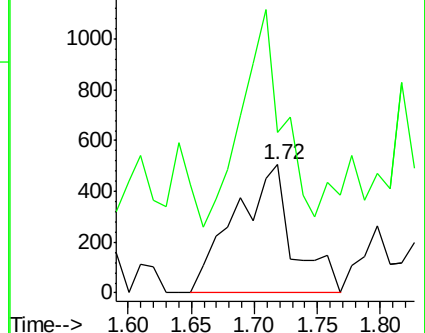
74 100

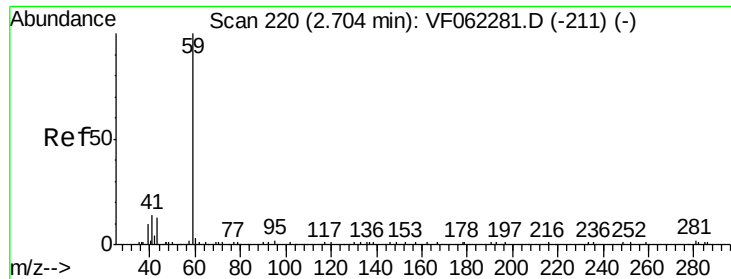
45 117.9 74.0 222.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



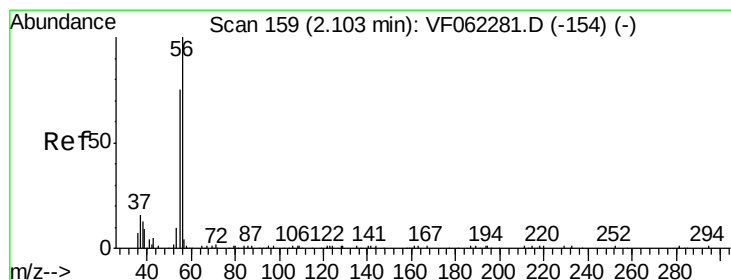
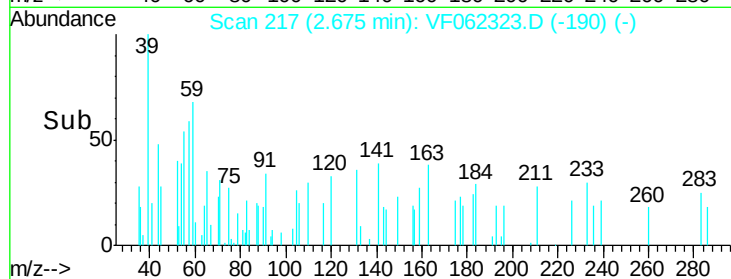
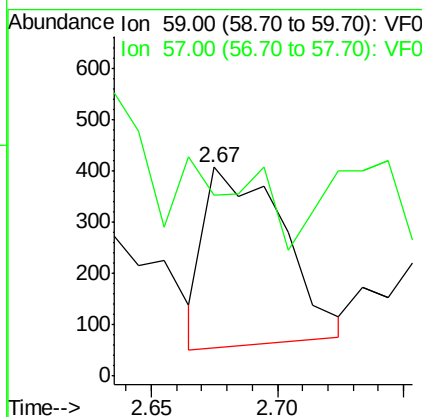
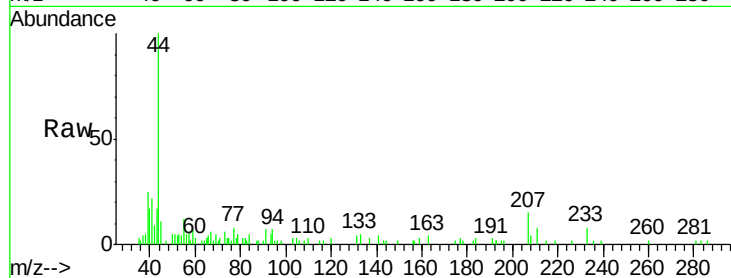


#11

Tert butyl alcohol
Concen: 6.155 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.03 min
Lab File: VF062323.D
Acq: 29 Apr 2019 20:05

Instrument :
MSVOA_F
ClientSampleId :

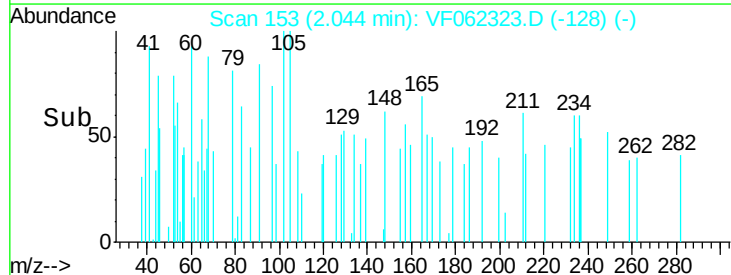
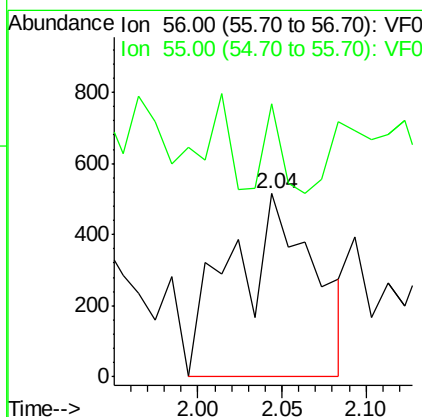
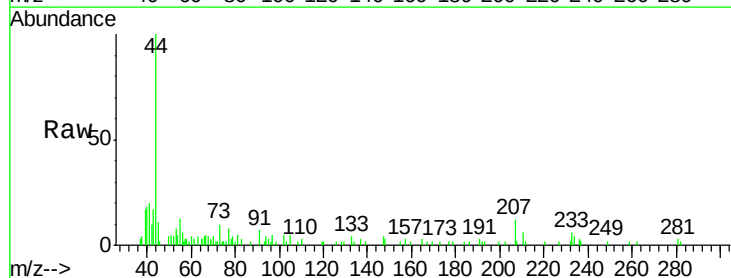
Tot Ion: 59 Resp: 758
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

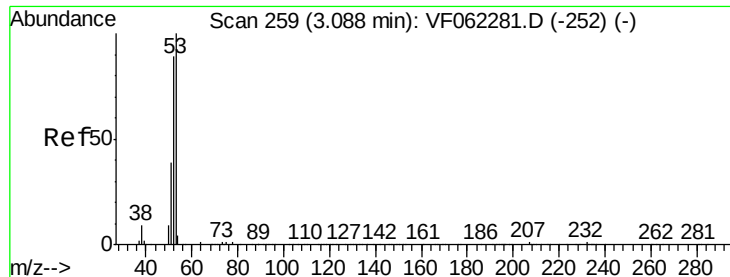


#13

Acrolein
Concen: 22.874 ug/l
RT: 2.04 min Scan# 153
Delta R.T. -0.06 min
Lab File: VF062323.D
Acq: 29 Apr 2019 20:05

Tgt Ion: 56 Resp: 1746
Ion Ratio Lower Upper
56 100
55 23.4 62.3 93.5#





#15

Acrylonitrile

Concen: 1.528 ug/l

RT: 3.14 min Scan# 264

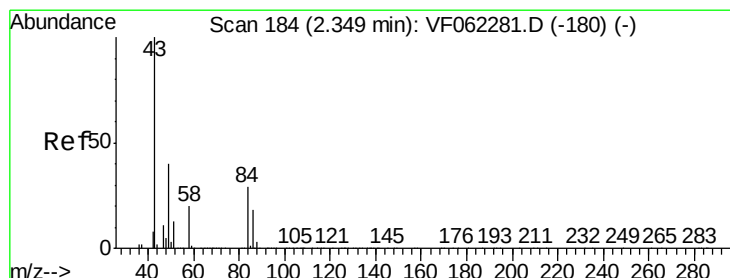
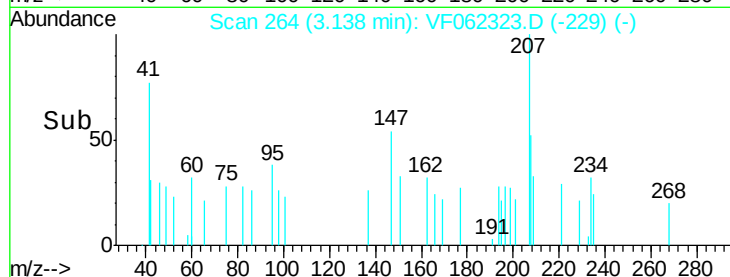
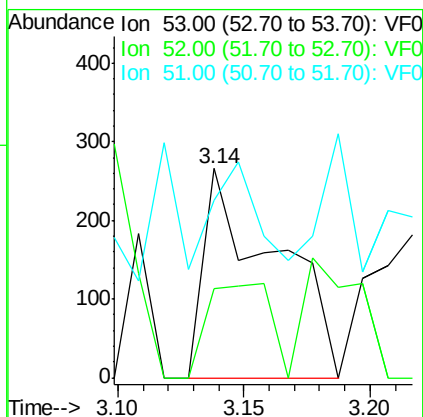
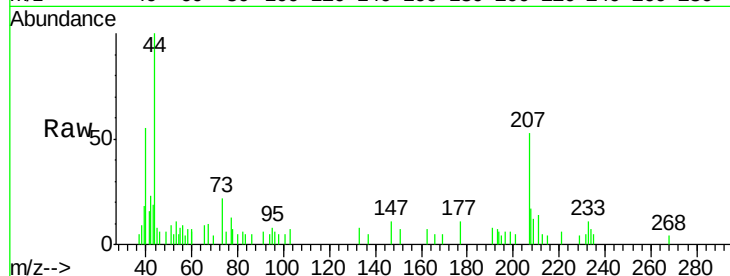
Delta R.T. 0.05 min

Lab File: VF062323.D

Acq: 29 Apr 2019 20:05

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	521
Ion	Ratio	Lower	Upper
53	100		
52	39.5	70.6	105.8#
51	0.0	32.6	48.8#



#16

Acetone

Concen: 86.377 ug/l

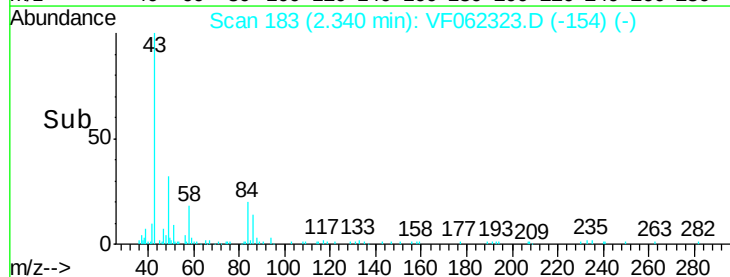
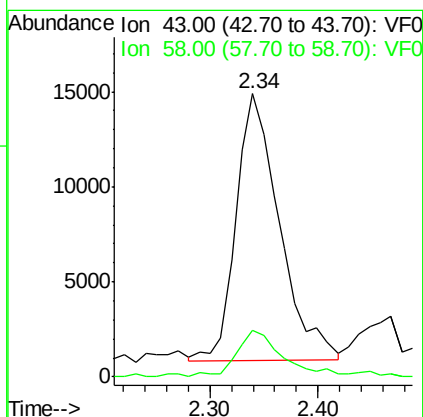
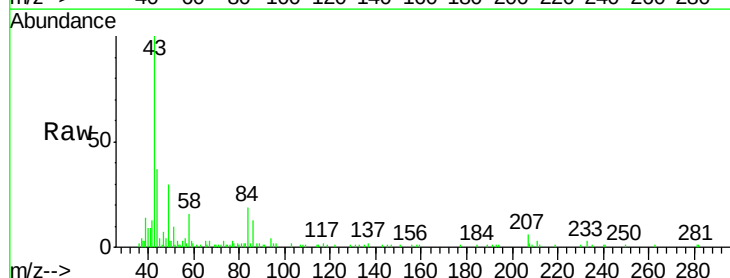
RT: 2.34 min Scan# 183

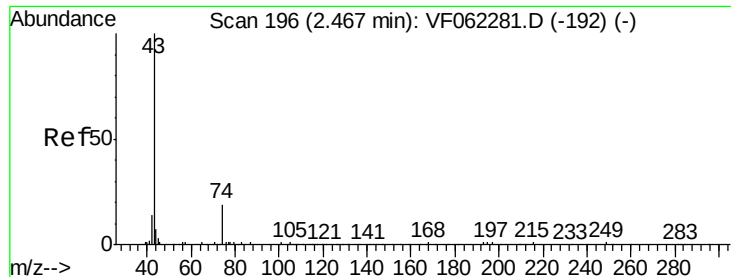
Delta R.T. -0.01 min

Lab File: VF062323.D

Acq: 29 Apr 2019 20:05

Tgt Ion:	43	Resp:	39370
Ion	Ratio	Lower	Upper
43	100		
58	17.4	16.4	24.6

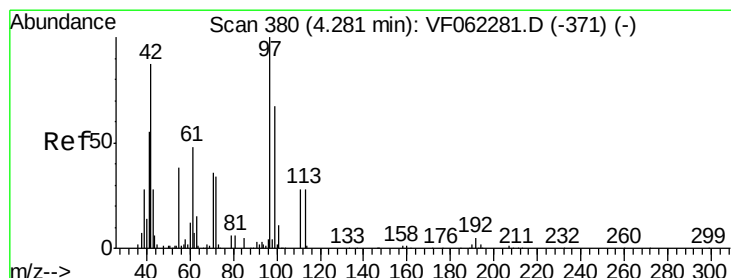
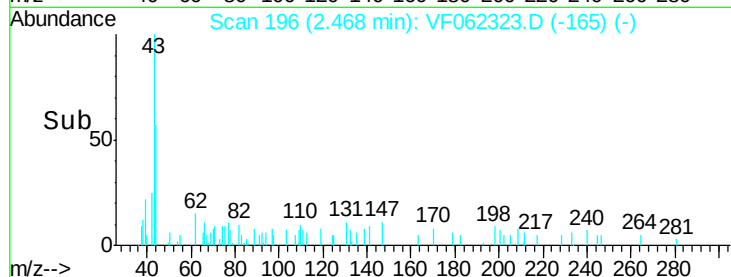
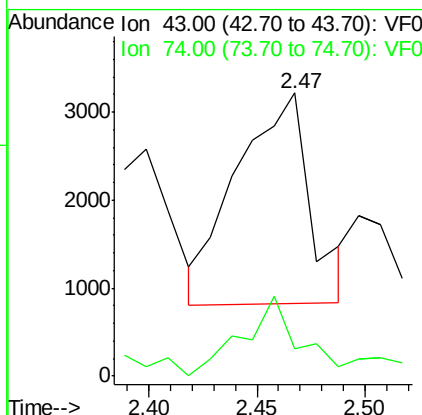
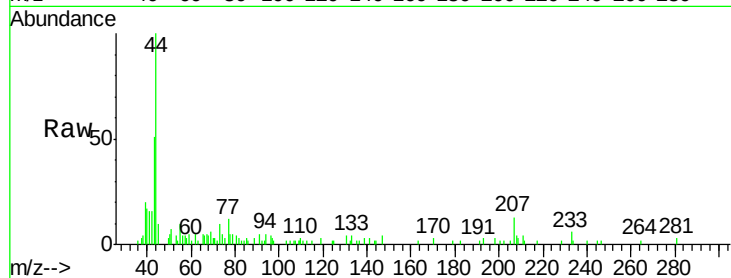




#18
Methyl Acetate
Concen: 3.960 ug/l
RT: 2.47 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF062323.D
Acq: 29 Apr 2019 20:05

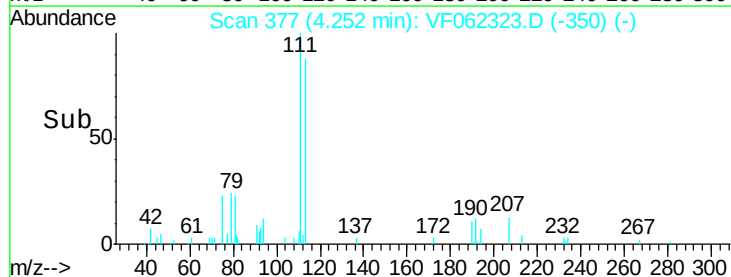
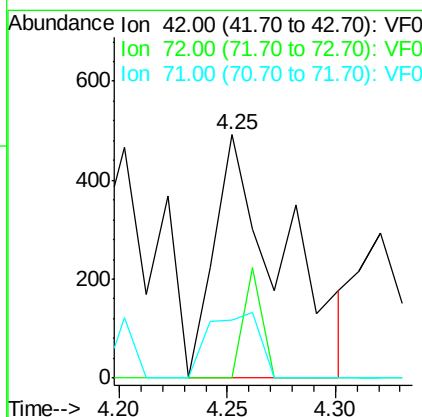
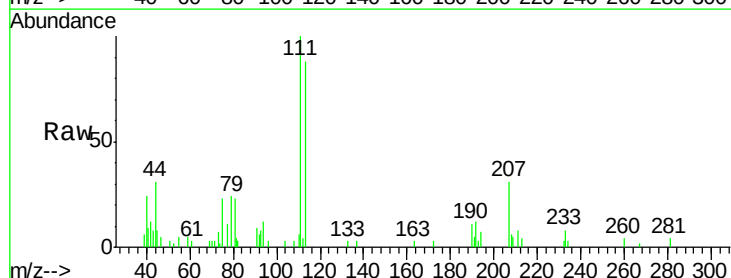
Instrument :
MSVOA_F
ClientSampleId :

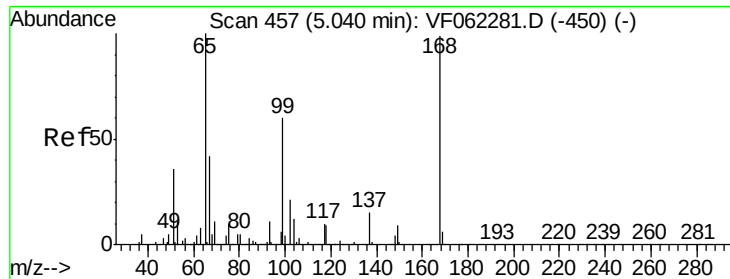
Tot Ion: 43 Resp: 5692
Ion Ratio Lower Upper
43 100
74 34.4 14.4 21.6#



#29
Tetrahydrofuran
Concen: 3.448 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.03 min
Lab File: VF062323.D
Acq: 29 Apr 2019 20:05

Tgt Ion: 42 Resp: 1095
Ion Ratio Lower Upper
42 100
72 12.1 29.3 43.9#
71 19.6 31.2 46.8#

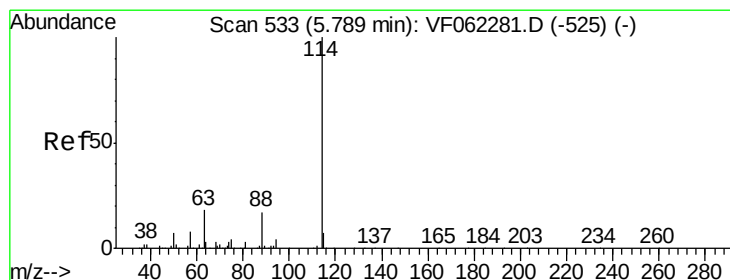
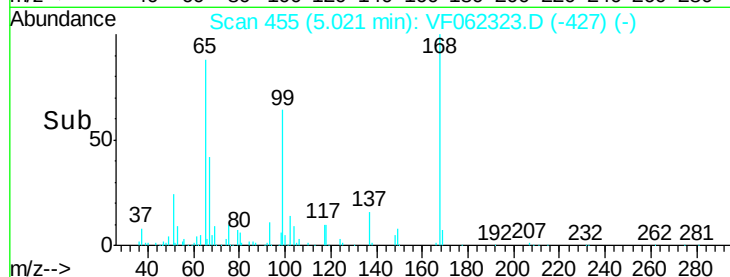
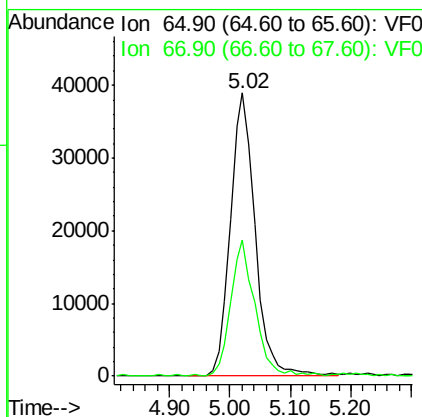
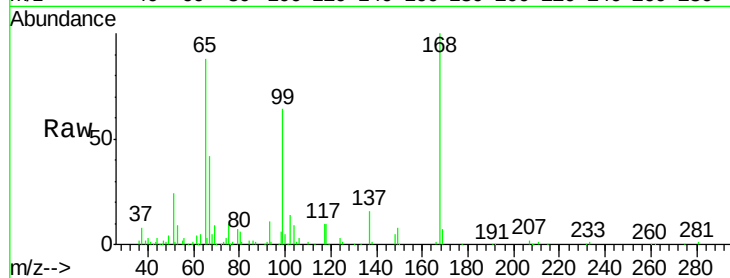




#33
 1,2-Dichloroethane-d4
 Concen: 54.455 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.02 min
 Lab File: VF062323.D
 Acq: 29 Apr 2019 20:05

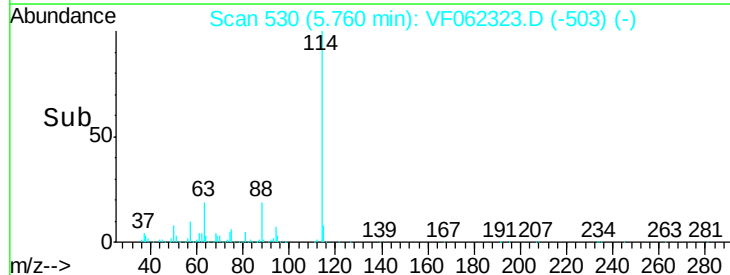
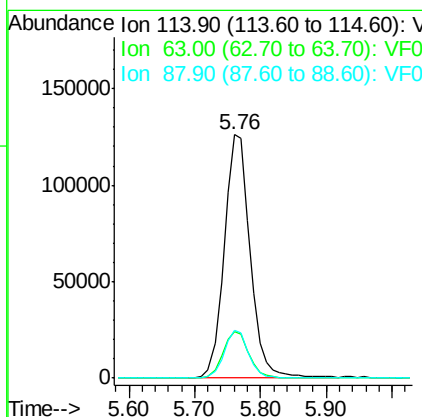
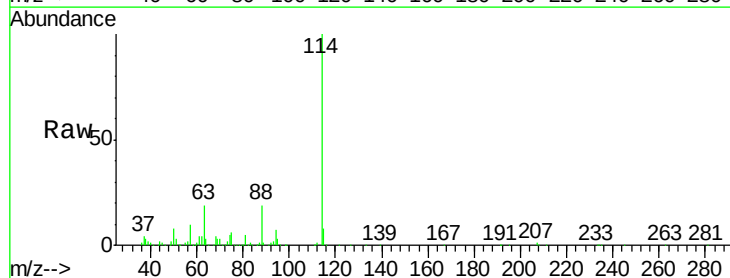
Instrument :
 MSVOA_F
 ClientSampleId :

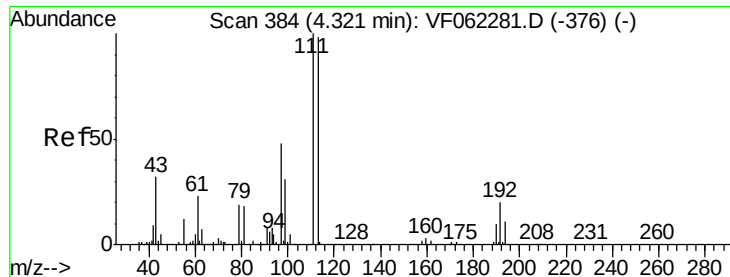
Tot Ion: 65 Resp: 110855
 Ion Ratio Lower Upper
 65 100
 67 47.5 0.0 98.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.03 min
 Lab File: VF062323.D
 Acq: 29 Apr 2019 20:05

Tgt Ion: 114 Resp: 347715
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 35.6
 88 19.4 0.0 34.6

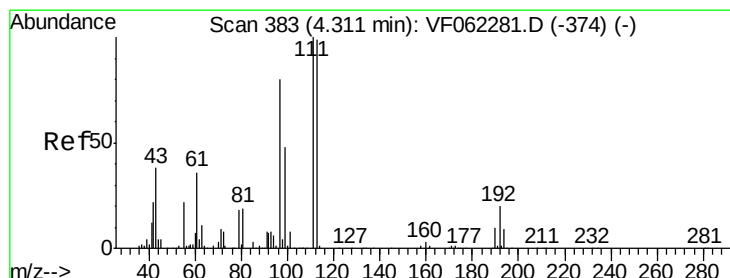
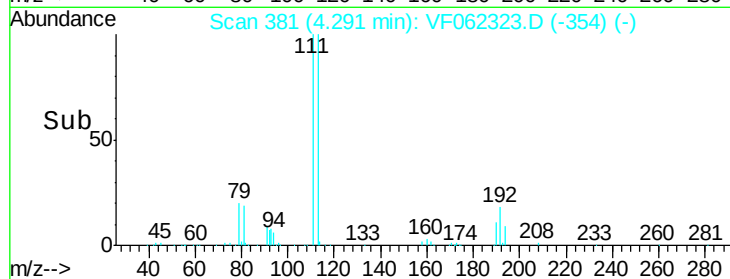
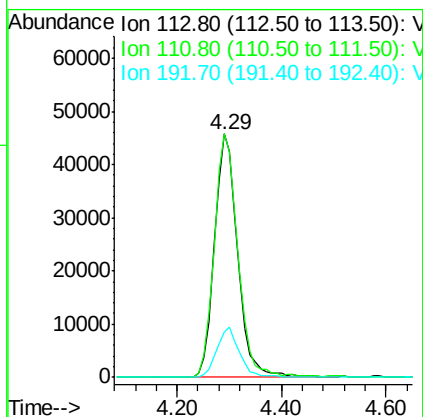
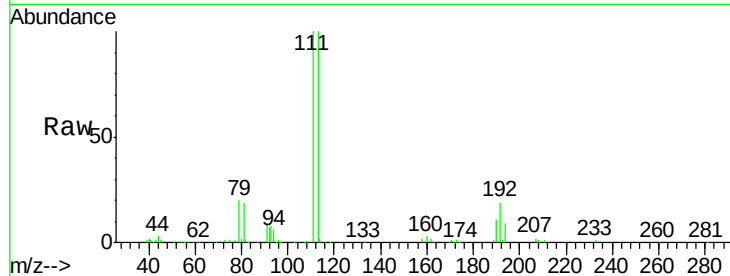




#35
 Dibromofluoromethane
 Concen: 54.672 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.03 min
 Lab File: VF062323.D
 Acq: 29 Apr 2019 20:05

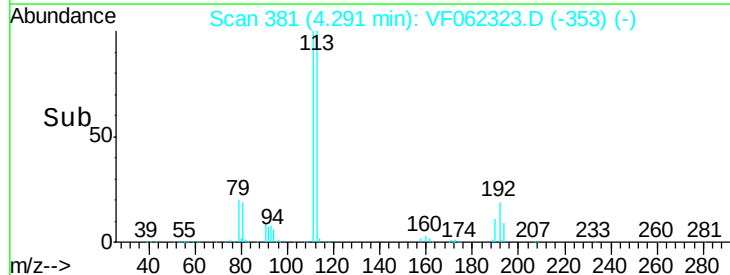
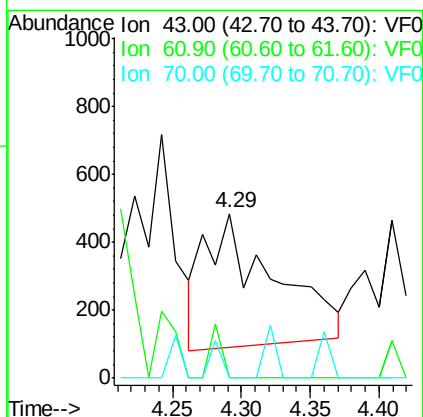
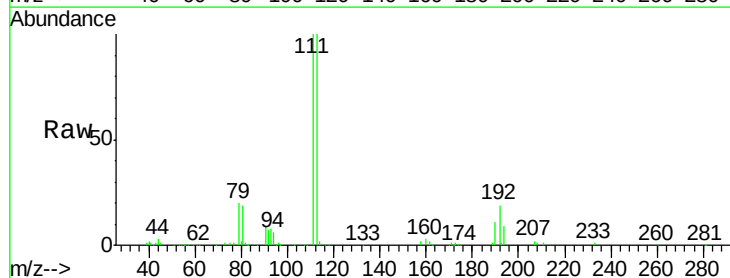
Instrument :
 MSVOA_F
 ClientSampleId :

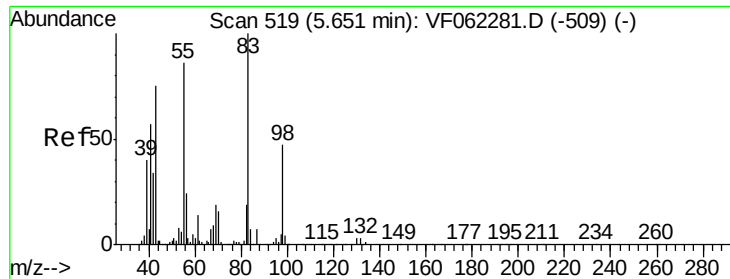
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.4	122.2
192	20.0	17.0	25.4



#37
 Ethyl Acetate
 Concen: 1.014 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.02 min
 Lab File: VF062323.D
 Acq: 29 Apr 2019 20:05

Tgt Ion	Ratio	Lower	Upper
43	100		
61	6.9	85.8	128.6#
70	4.8	7.3	10.9#

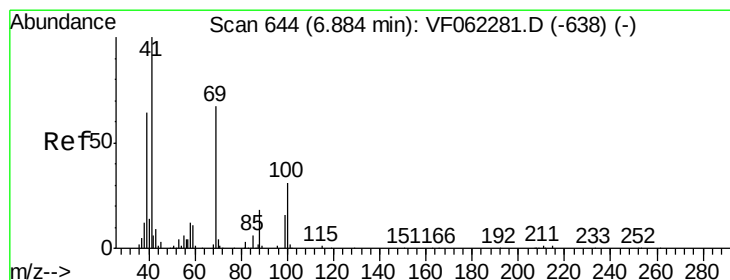
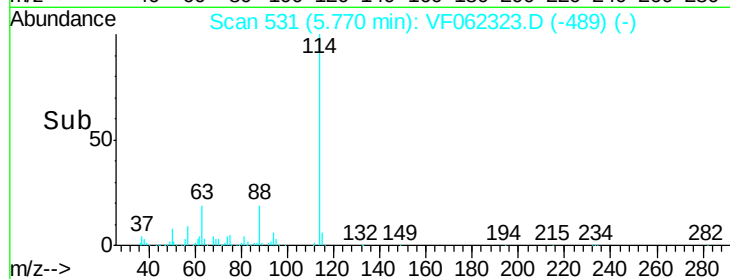
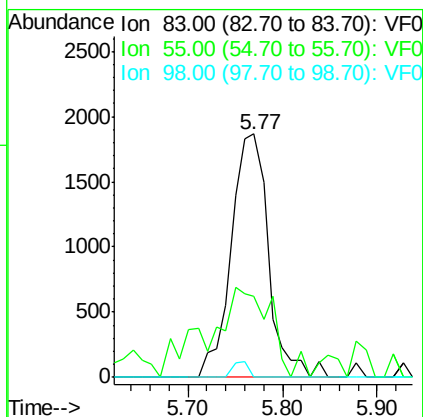
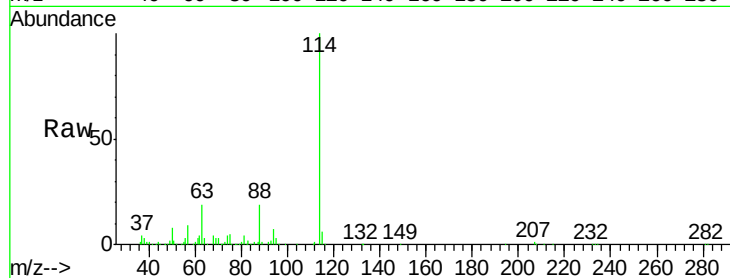




#39
Methylcyclohexane
Concen: 1.361 ug/l
RT: 5.77 min Scan# 531
Delta R.T. 0.12 min
Lab File: VF062323.D
Acq: 29 Apr 2019 20:05

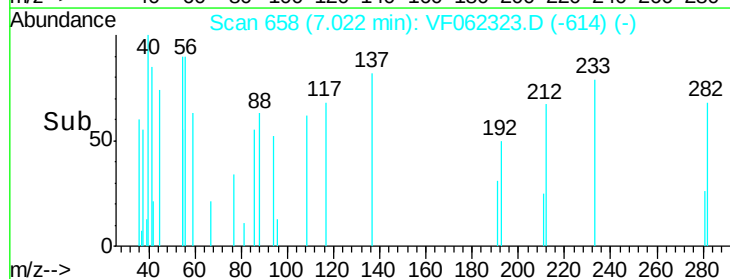
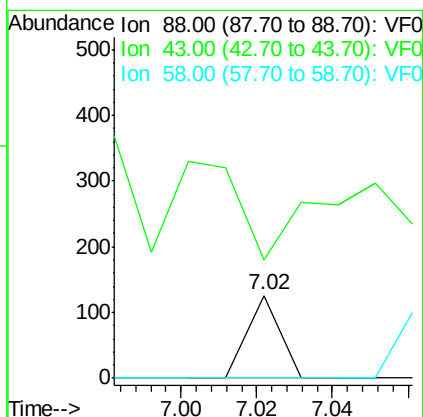
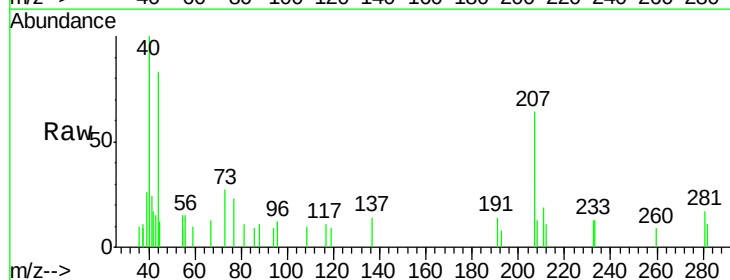
Instrument :
MSVOA_F
ClientSampled :

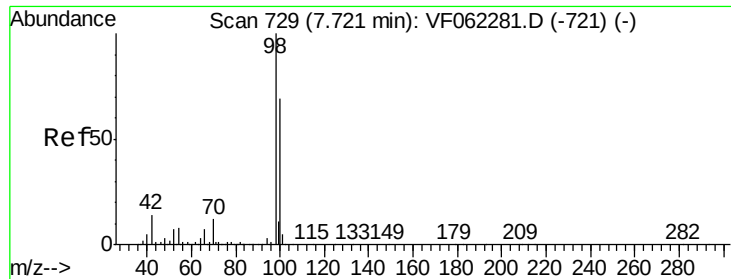
Tot Ion: 83 Resp: 5096
Ion Ratio Lower Upper
83 100
55 26.1 68.7 103.1#
98 0.0 37.4 56.2#



#49
1,4-Dioxane
Concen: 6.499 ug/l
RT: 7.02 min Scan# 658
Delta R.T. 0.14 min
Lab File: VF062323.D
Acq: 29 Apr 2019 20:05

Tgt Ion: 88 Resp: 74
Ion Ratio Lower Upper
88 100
43 0.0 34.2 51.4#
58 0.0 50.7 76.1#





#50

Toluene-d8

Concen: 41.291 ug/l

RT: 7.69 min Scan# 726

Delta R.T. -0.03 min

Lab File: VF062323.D

Acq: 29 Apr 2019 20:05

Instrument :

MSVOA_F

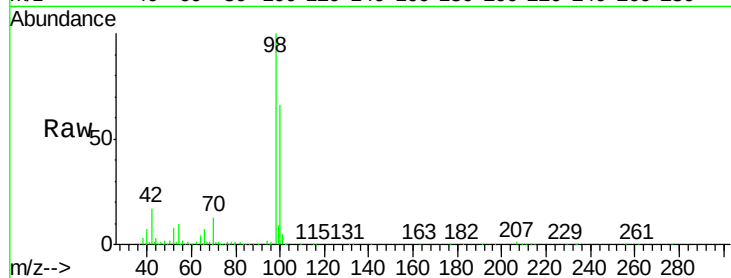
ClientSampleId :

Tot Ion: 98 Resp: 260024

Ion Ratio Lower Upper

98 100

100 67.8 54.4 81.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.69

120000

100000

80000

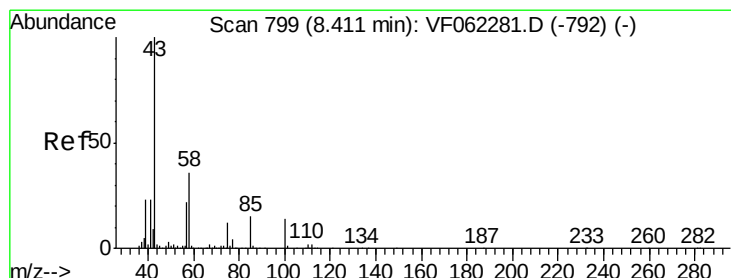
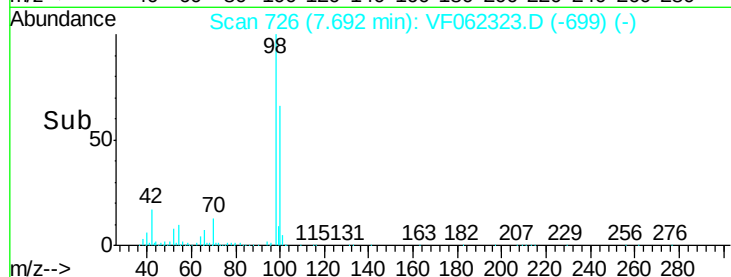
60000

40000

20000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.080 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF062323.D

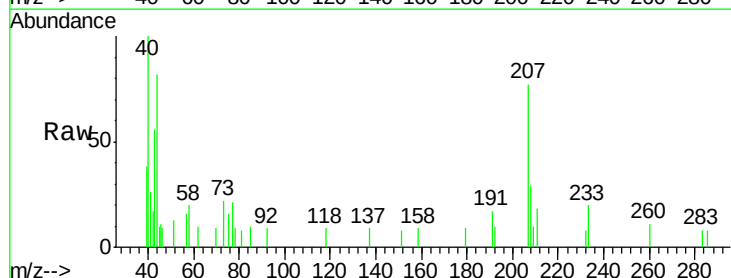
Acq: 29 Apr 2019 20:05

Tgt Ion: 43 Resp: 2212

Ion Ratio Lower Upper

43 100

58 28.6 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

800

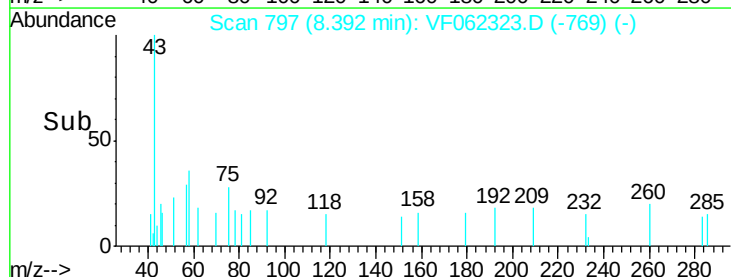
600

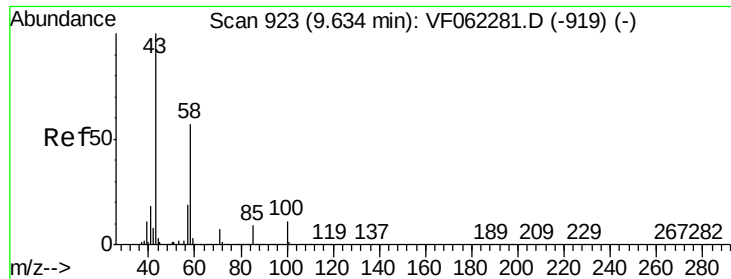
400

200

0

Time-->

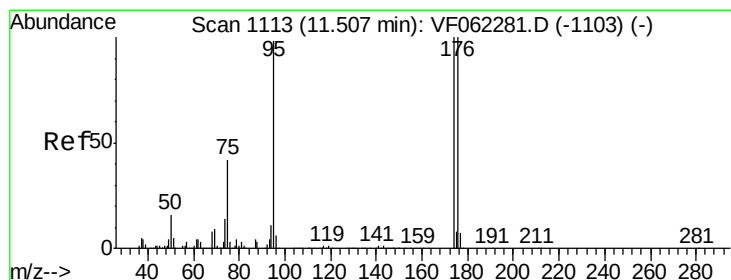
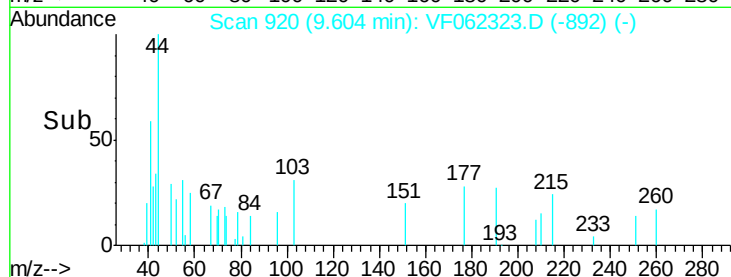
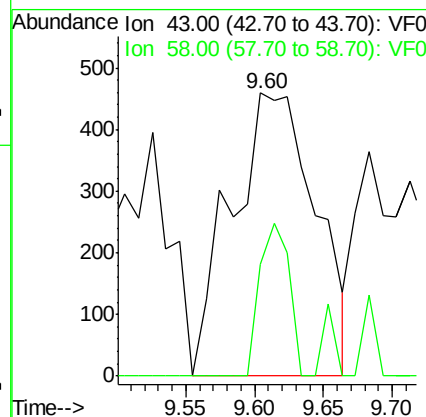
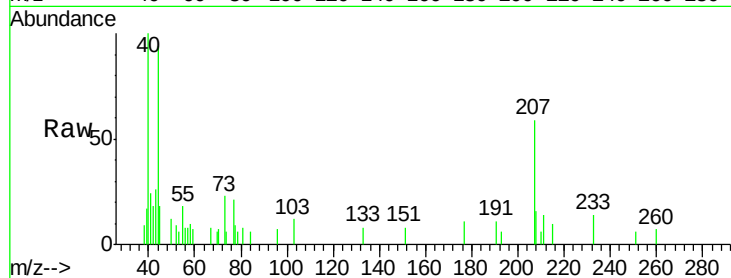




#59
2-Hexanone
Concen: Below Cal
RT: 9.60 min Scan# 920
Delta R.T. -0.03 min
Lab File: VF062323.D
Acq: 29 Apr 2019 20:05

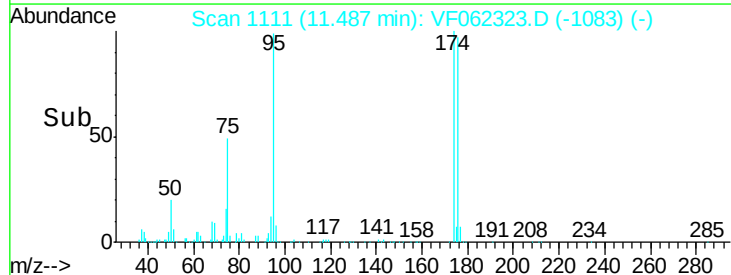
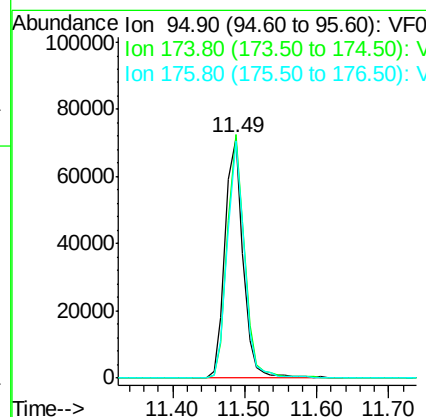
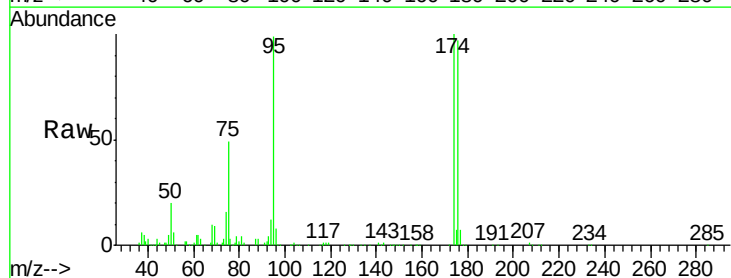
Instrument :
MSVOA_F
ClientSampled :

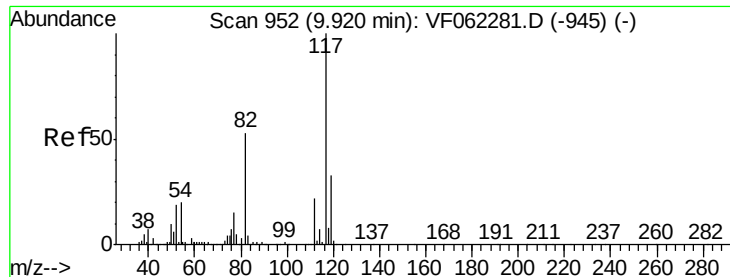
Tot Ion: 43 Resp: 1959
Ion Ratio Lower Upper
43 100
58 19.0 24.9 74.7#



#62
4-Bromofluorobenzene
Concen: 47.804 ug/l
RT: 11.49 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VF062323.D
Acq: 29 Apr 2019 20:05

Tgt Ion: 95 Resp: 124084
Ion Ratio Lower Upper
95 100
174 97.4 0.0 185.2
176 94.1 0.0 184.8

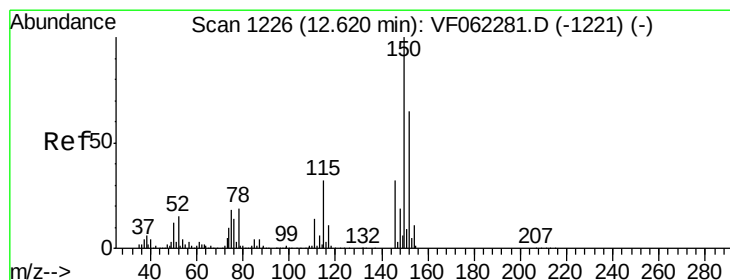
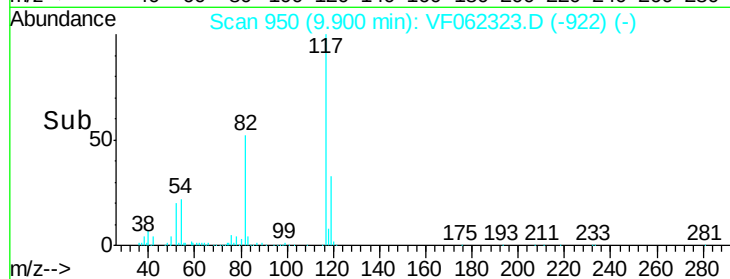
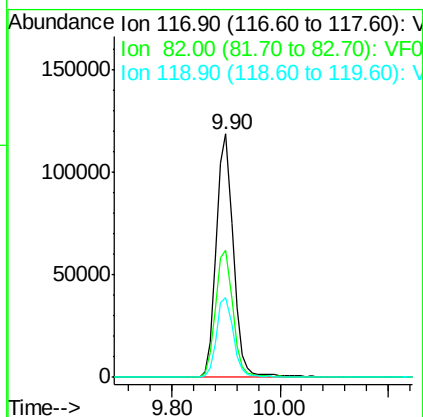
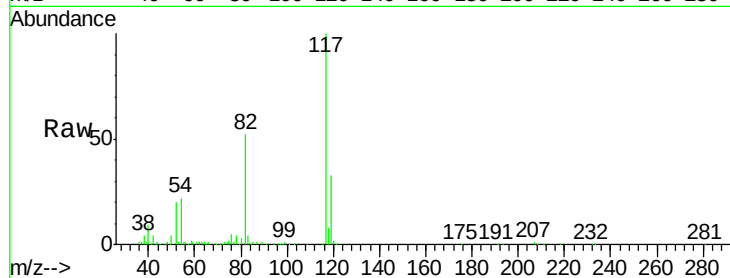




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.02 min
Lab File: VF062323.D
Acq: 29 Apr 2019 20:05

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 260346
Ion Ratio Lower Upper
117 100
82 52.2 42.6 64.0
119 32.6 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.60 min Scan# 1224
Delta R.T. -0.02 min
Lab File: VF062323.D
Acq: 29 Apr 2019 20:05

Tgt Ion:152 Resp: 159274
Ion Ratio Lower Upper
152 100
115 54.9 25.6 76.8
150 153.7 0.0 330.6

