

Data Path : Z:\voasrv\HPCHEM1\MSVOA_F\Data\VF041919\
 Data File : VF062226.D
 Acq On : 19 Apr 2019 15:48
 Operator : FY/SY
 Sample : K2198-03
 Misc : 6.27g/5mL/MSVOA_F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OK-02-041619

Quant Time: Apr 19 16:22:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 03:56:19 2019
 Response via : Initial Calibration

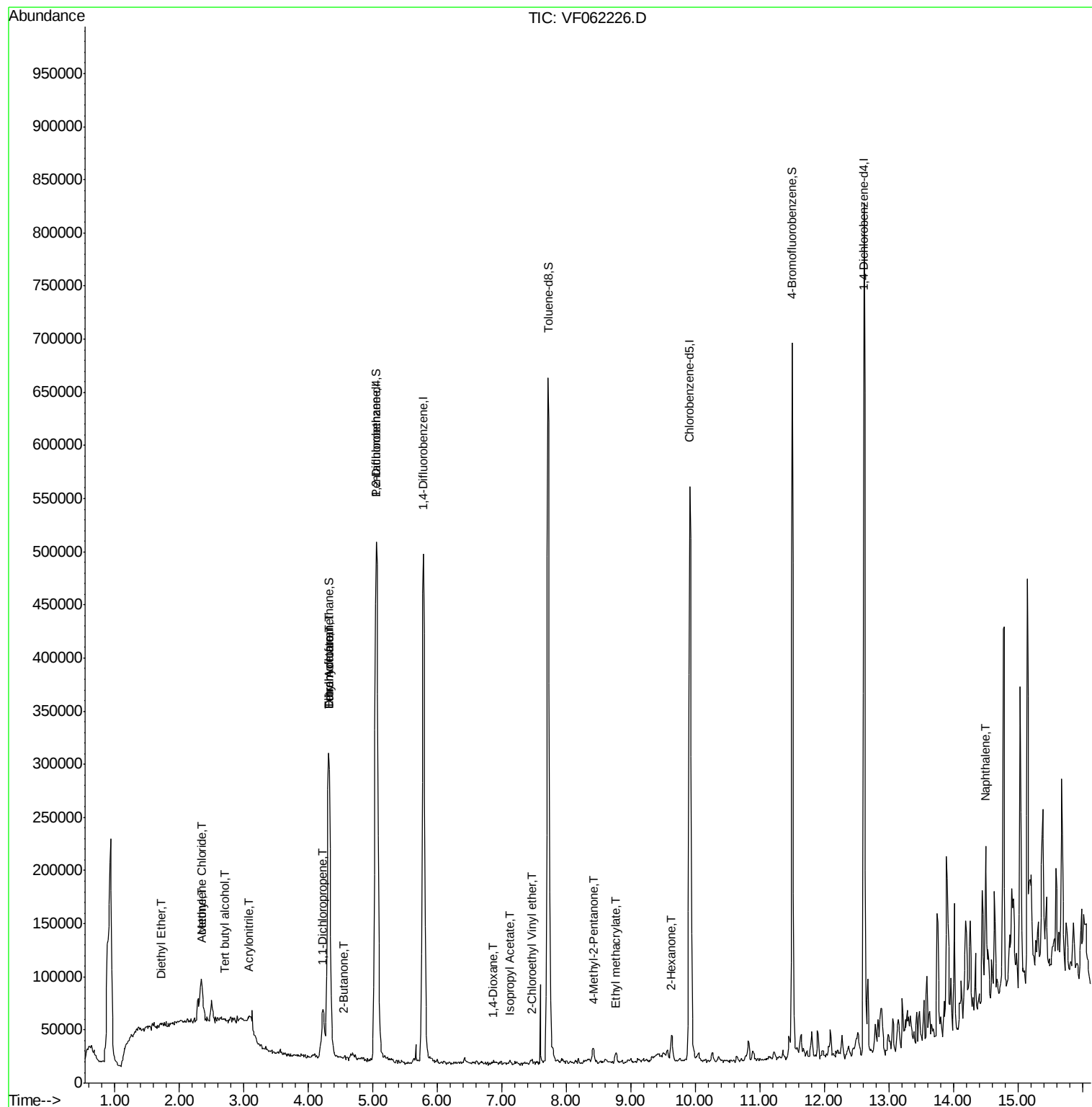
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	399349	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.78	114	602594	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.91	117	423514	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	216982	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	210734	57.55	ug/l	0.03
Spiked Amount 50.000			Recovery	=	115.10%	
35) Dibromofluoromethane	4.32	113	284237	53.92	ug/l	0.02
Spiked Amount 50.000			Recovery	=	107.84%	
50) Toluene-d8	7.72	98	590401	44.25	ug/l	0.02
Spiked Amount 50.000			Recovery	=	88.50%	
62) 4-Bromofluorobenzene	11.50	95	240579	46.87	ug/l	0.02
Spiked Amount 50.000			Recovery	=	93.74%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.71	74	2326	1.632	ug/l	59
11) Tert butyl alcohol	2.70	59	4132	16.233	ug/l #	70
13) Acrolein	2.12	56	1288	Below Cal	#	64
15) Acrylonitrile	3.09	53	3705	4.779	ug/l #	37
16) Acetone	2.36	43	3984	4.552	ug/l	98
18) Methyl Acetate	2.50	43	10101	Below Cal	#	59
20) Methylene Chloride	2.34	84	35936	2.399	ug/l	94
25) 2-Butanone	4.54	43	4281	2.446	ug/l #	81
29) Tetrahydrofuran	4.31	42	3362	4.244	ug/l #	78
36) 1,1-Dichloropropene	4.23	75	94949	13.142	ug/l #	44
37) Ethyl Acetate	4.31	43	3903	1.145	ug/l #	92
43) Isopropyl Acetate	7.12	43	9880	2.755	ug/l #	63
49) 1,4-Dioxane	6.86	88	59	2.183	ug/l #	1
51) 4-Methyl-2-Pentanone	8.42	43	15706	5.889	ug/l	92
56) Ethyl methacrylate	8.77	69	5702	1.792	ug/l #	84
58) 2-Chloroethyl Vinyl ether	7.46	63	1453	1.573	ug/l #	89
59) 2-Hexanone	9.64	43	23481	14.248	ug/l	99
89) n-Butylbenzene	12.89	91	7611	Below Cal	#	29
95) Naphthalene	14.50	128	24556	2.346	ug/l #	59

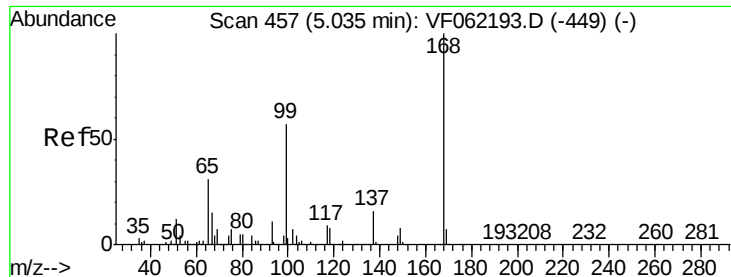
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_F\Data\VF041919\
Data File : VF062226.D
Acq On : 19 Apr 2019 15:48
Operator : FY/SY
Sample : K2198-03
Misc : 6.27g/5mL/MSVOA_F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
OK-02-041619

Quant Time: Apr 19 16:22:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
Quant Title : SW846 8260
QLast Update : Fri Apr 19 03:56:19 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.03 min

Lab File: VF062226.D

Acq: 19 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

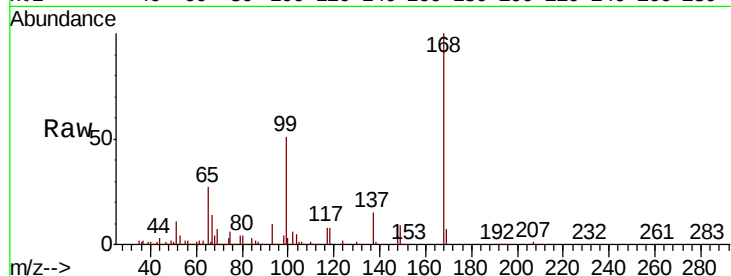
OK-02-041619

Tgt Ion:168 Resp: 399349

Ion Ratio Lower Upper

168 100

99 50.8 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

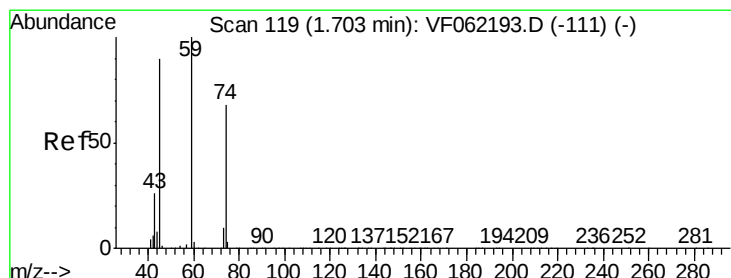
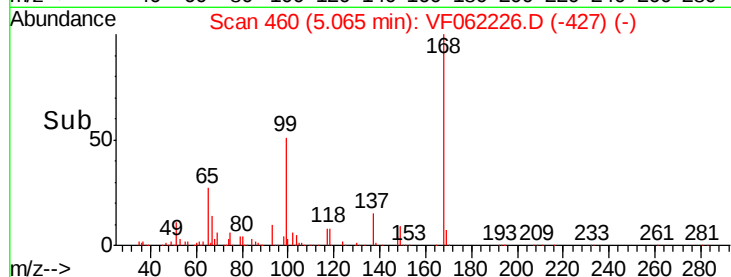
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.632 ug/l

RT: 1.71 min Scan# 120

Delta R.T. 0.01 min

Lab File: VF062226.D

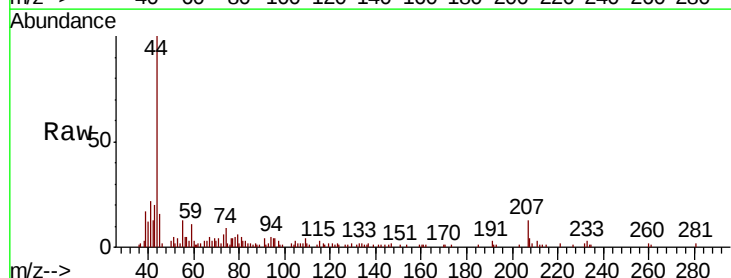
Acq: 19 Apr 2019 15:48

Tgt Ion: 74 Resp: 2326

Ion Ratio Lower Upper

74 100

45 90.0 70.0 210.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

2000

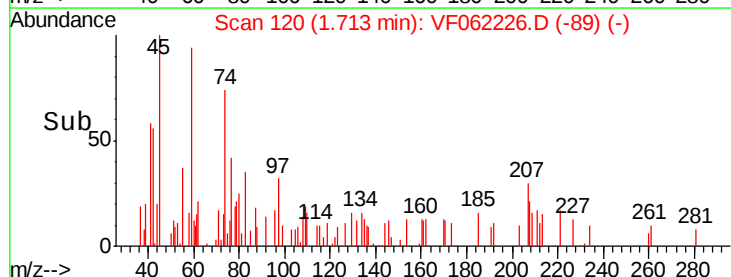
1500

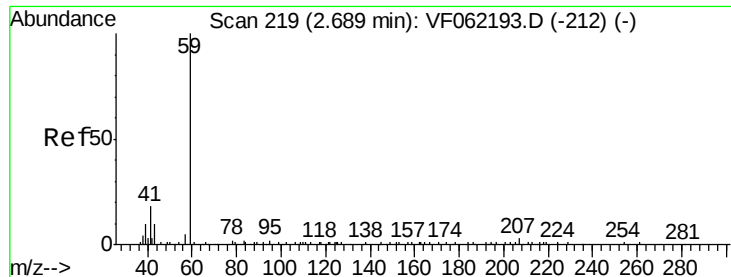
1000

500

0

Time-->

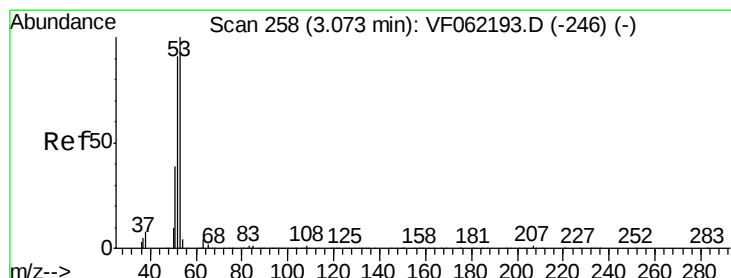
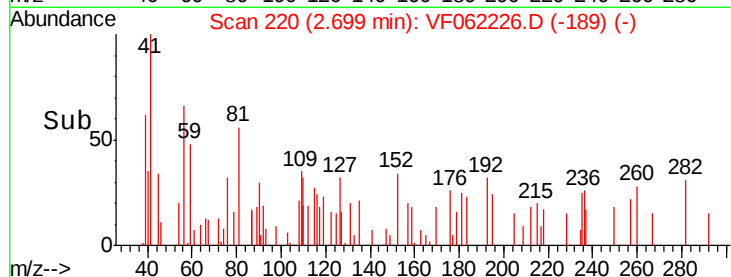
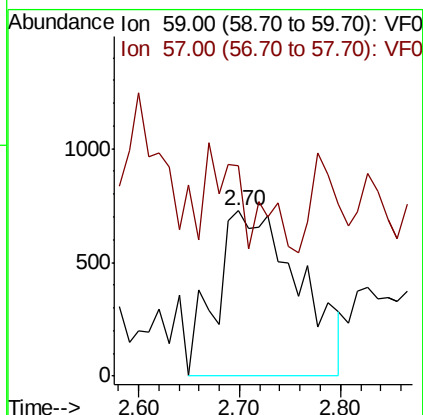
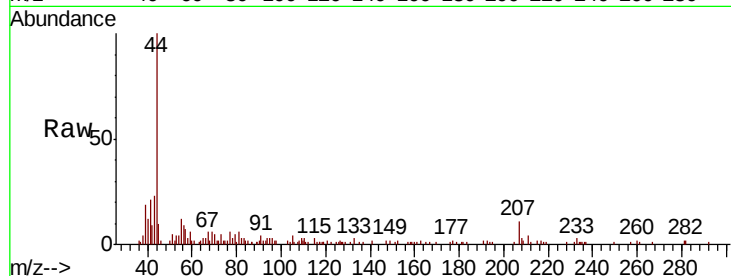




#11
Tert butyl alcohol
Concen: 16.233 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.01 min
Lab File: VF062226.D
Acq: 19 Apr 2019 15:48

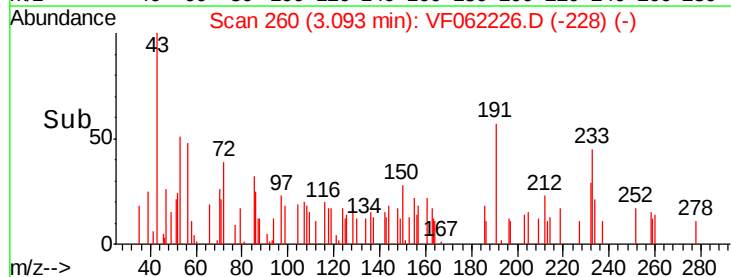
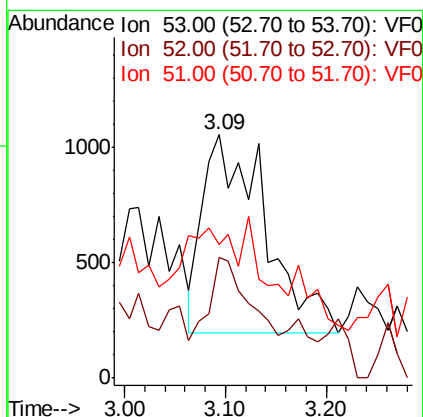
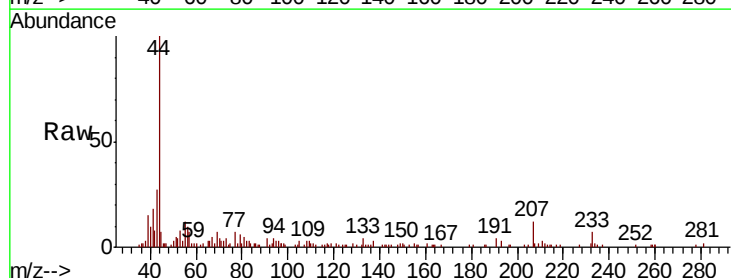
Instrument :
MSVOA_F
ClientSampled :
OK-02-041619

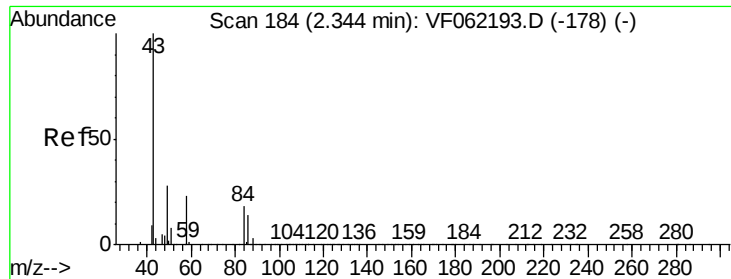
Tgt Ion: 59 Resp: 4132
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#



#15
Acrylonitrile
Concen: 4.779 ug/l
RT: 3.09 min Scan# 260
Delta R.T. 0.02 min
Lab File: VF062226.D
Acq: 19 Apr 2019 15:48

Tgt Ion: 53 Resp: 3705
Ion Ratio Lower Upper
53 100
52 29.1 69.5 104.3#
51 0.0 31.8 47.8#

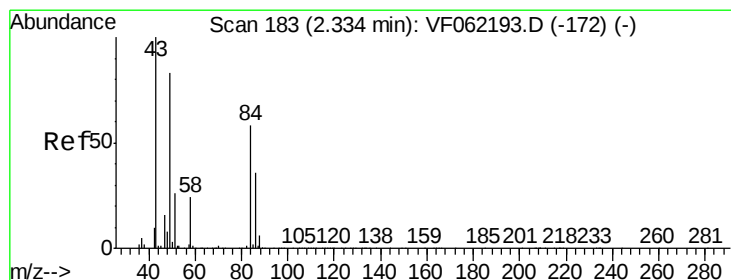
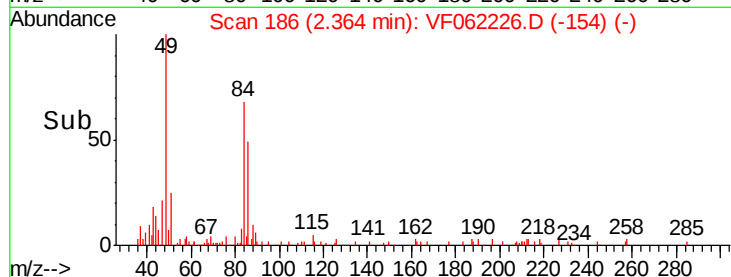
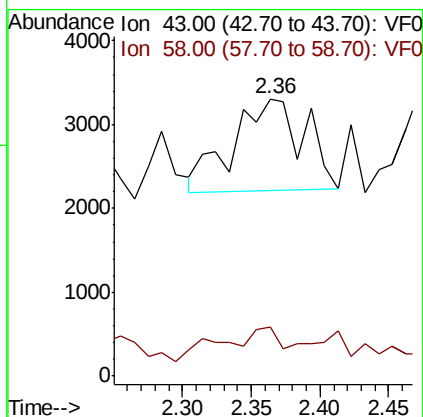
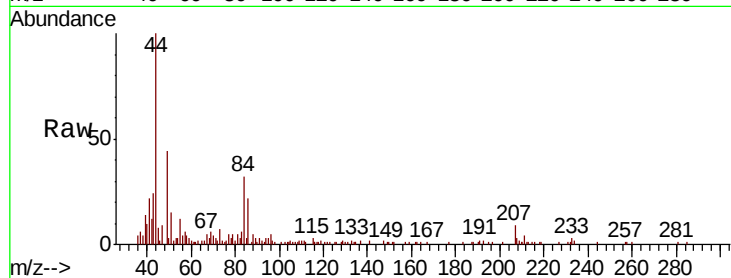




#16
Acetone
Concen: 4.552 ug/l
RT: 2.36 min Scan# 186
Delta R.T. 0.02 min
Lab File: VF062226.D
Acq: 19 Apr 2019 15:48

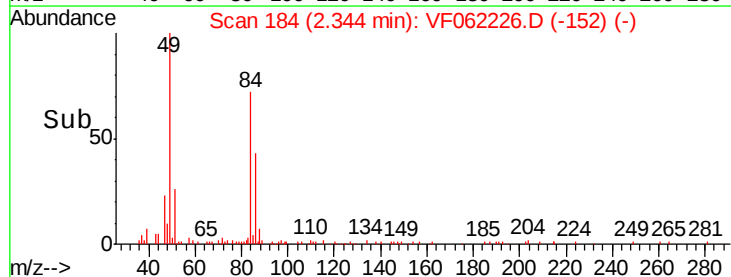
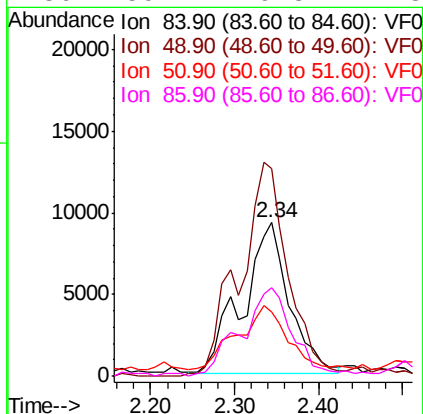
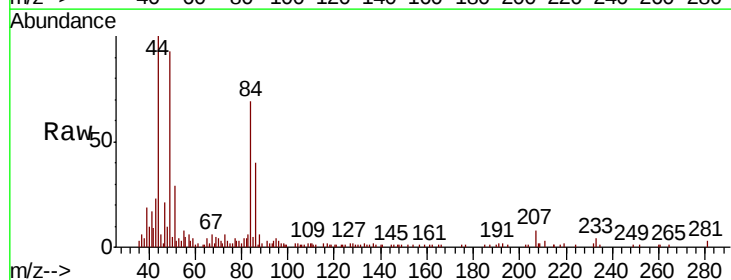
Instrument :
MSVOA_F
ClientSampleId :
OK-02-041619

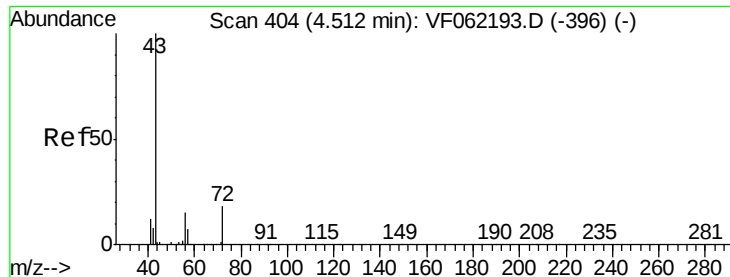
Tgt Ion: 43 Resp: 3984
Ion Ratio Lower Upper
43 100
58 24.6 18.8 28.2



#20
Methylene Chloride
Concen: 2.399 ug/l
RT: 2.34 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062226.D
Acq: 19 Apr 2019 15:48

Tgt Ion: 84 Resp: 35936
Ion Ratio Lower Upper
84 100
49 136.7 114.0 171.0
51 38.4 37.0 55.4
86 59.1 49.8 74.8





#25

2-Butanone

Concen: 2.446 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.03 min

Lab File: VF062226.D

Acq: 19 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

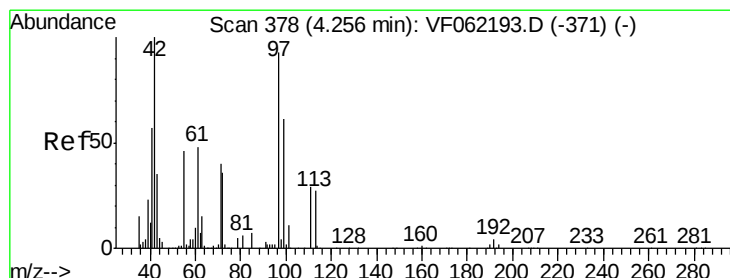
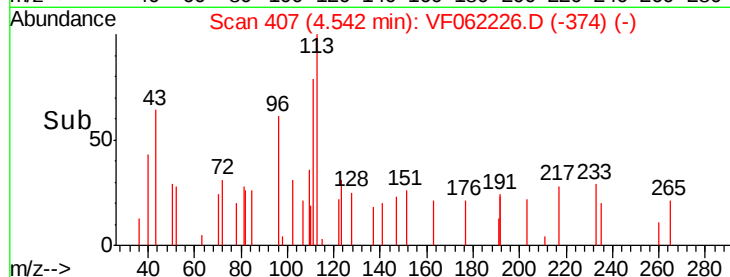
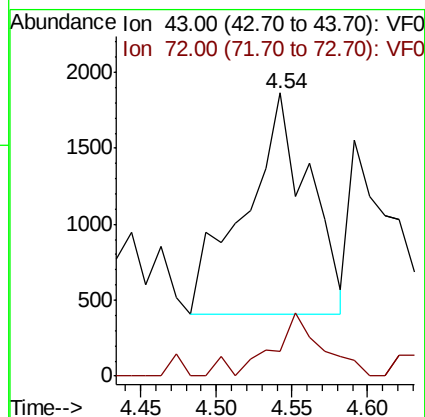
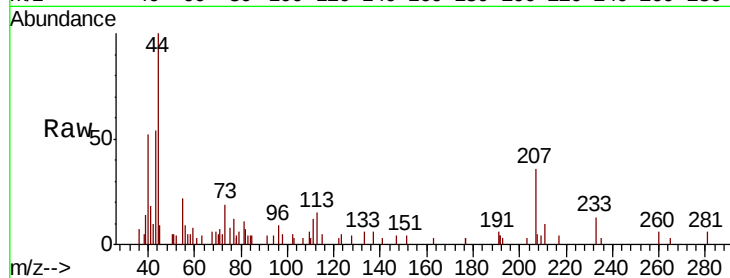
OK-02-041619

Tgt Ion: 43 Resp: 4281

Ion Ratio Lower Upper

43 100

72 11.1 16.1 24.1#



#29

Tetrahydrofuran

Concen: 4.244 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.05 min

Lab File: VF062226.D

Acq: 19 Apr 2019 15:48

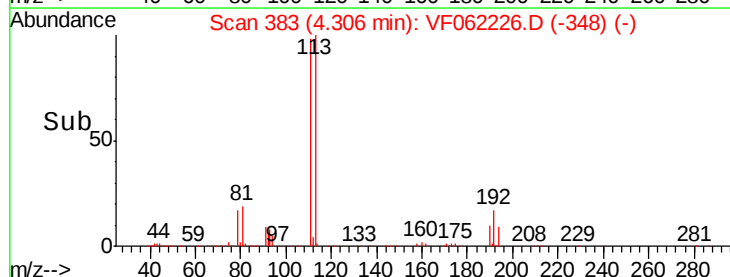
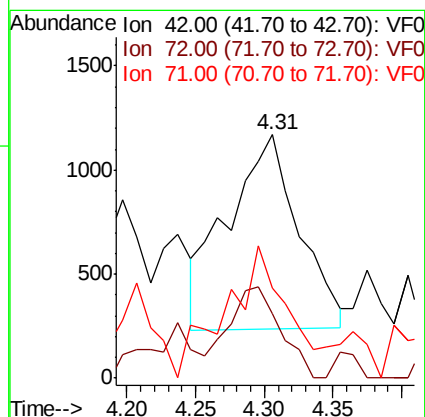
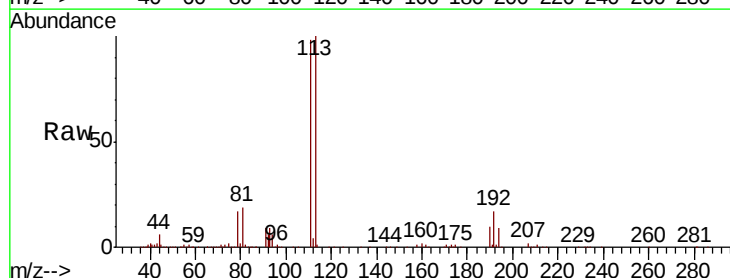
Tgt Ion: 42 Resp: 3362

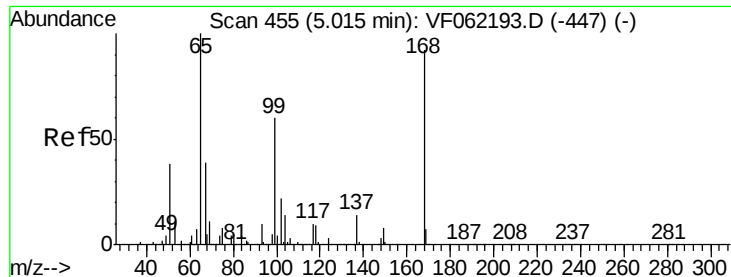
Ion Ratio Lower Upper

42 100

72 34.0 28.6 43.0

71 60.0 29.2 43.8#





#33

1,2-Dichloroethane-d4

Concen: 57.549 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.03 min

Lab File: VF062226.D

Acq: 19 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

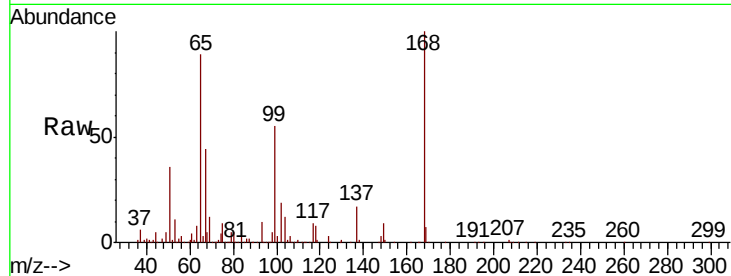
OK-02-041619

Tgt Ion: 65 Resp: 210734

Ion Ratio Lower Upper

65 100

67 51.6 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

5.04

80000

60000

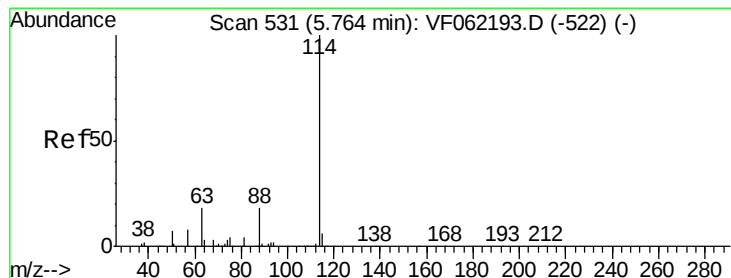
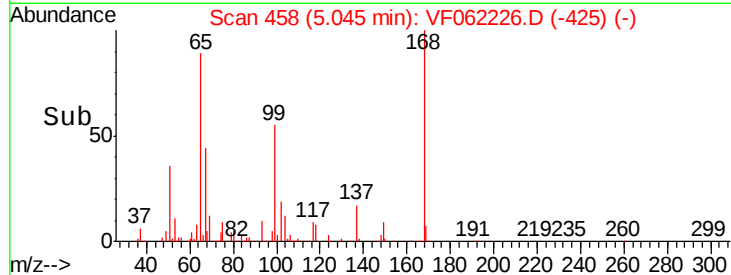
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.02 min

Lab File: VF062226.D

Acq: 19 Apr 2019 15:48

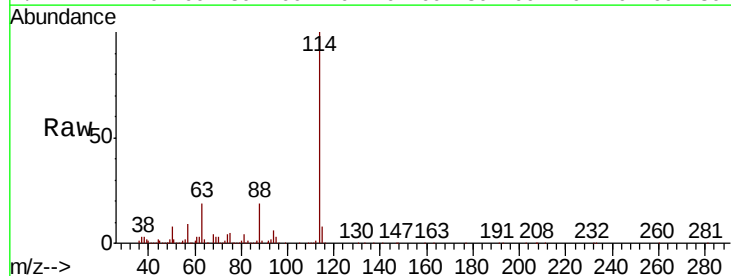
Tgt Ion: 114 Resp: 602594

Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.6

88 18.8 0.0 35.8



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

250000

200000

150000

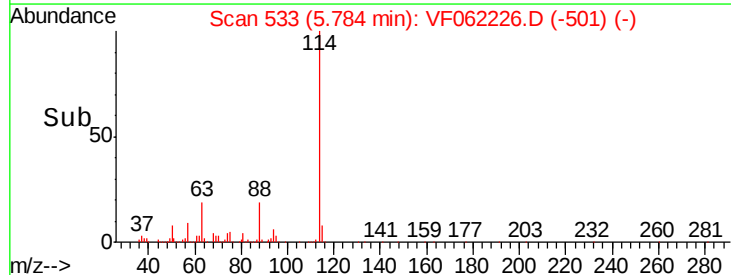
100000

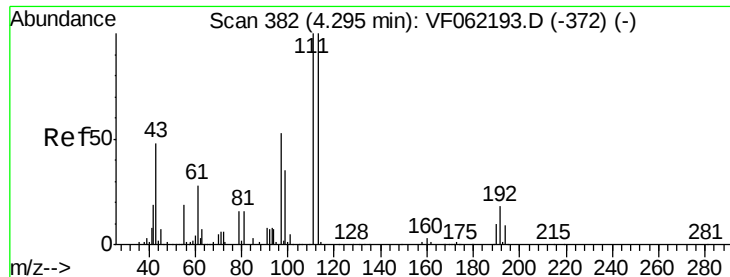
50000

0

5.60 5.80 6.00

Time-->

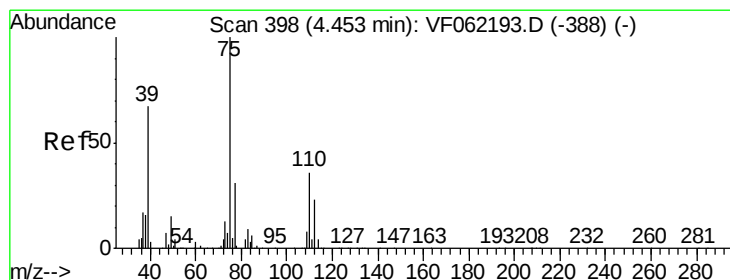
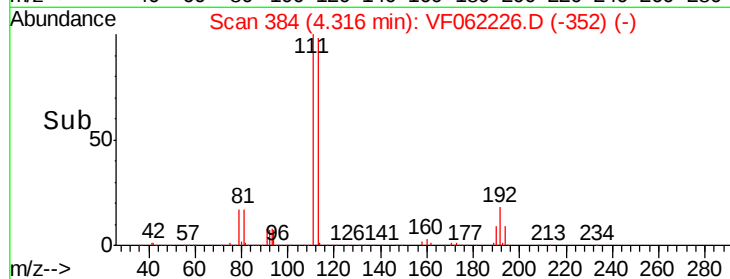
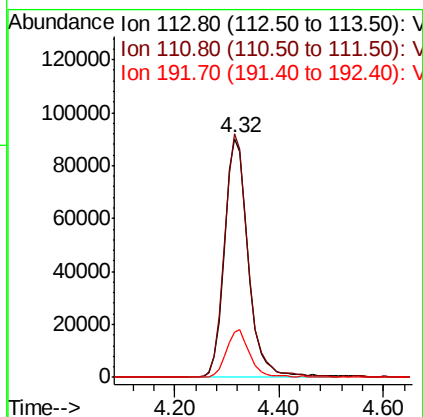
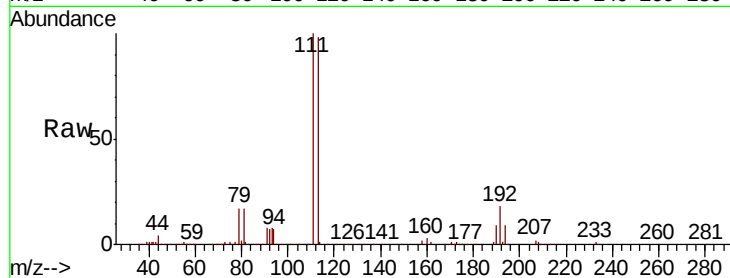




#35
 Dibromofluoromethane
 Concen: 53.924 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.02 min
 Lab File: VF062226.D
 Acq: 19 Apr 2019 15:48

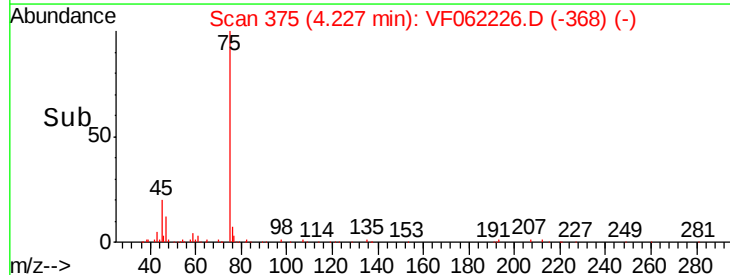
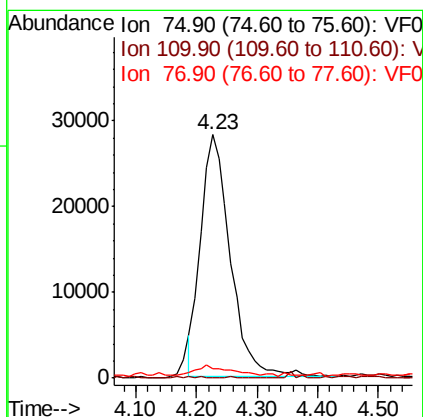
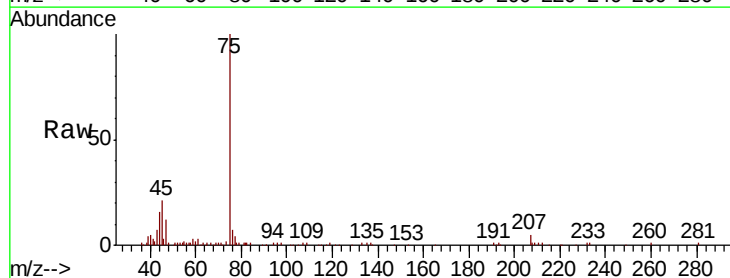
Instrument :
 MSVOA_F
 ClientSampleId :
 OK-02-041619

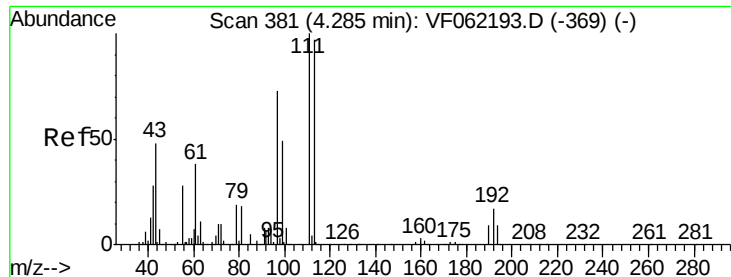
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	19.4	14.7	22.1



#36
 1,1-Dichloropropene
 Concen: 13.142 ug/l
 RT: 4.23 min Scan# 375
 Delta R.T. -0.23 min
 Lab File: VF062226.D
 Acq: 19 Apr 2019 15:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.4	55.2#
77	4.0	25.4	38.2#

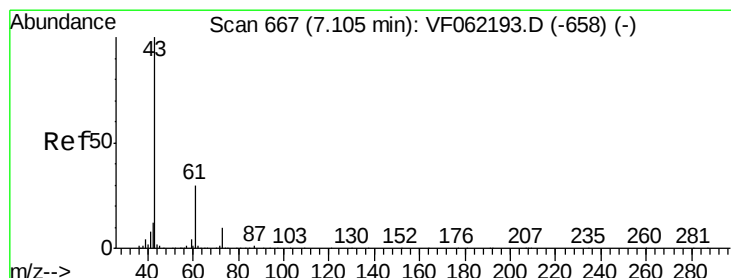
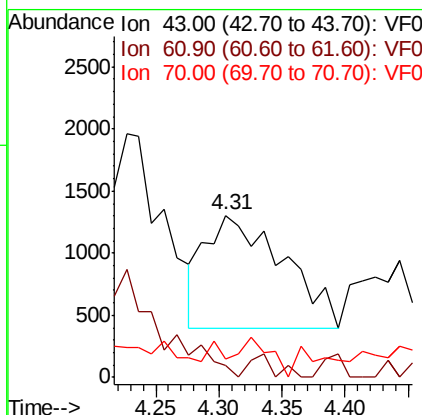
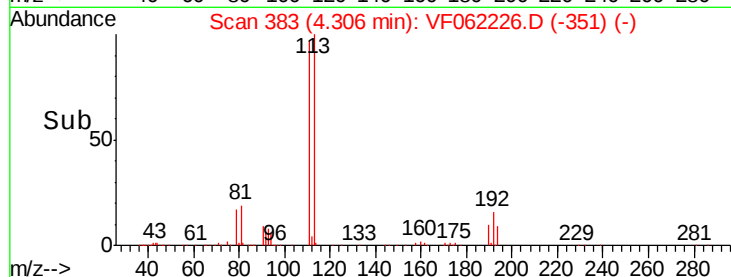
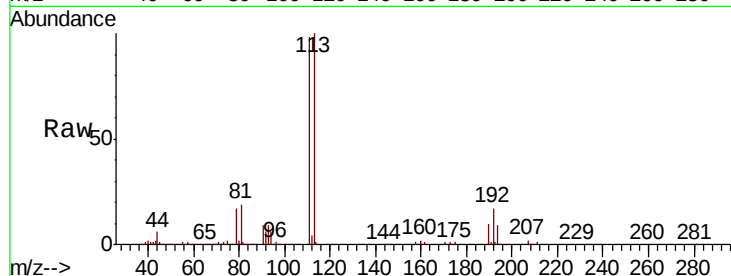




#37
Ethyl Acetate
Concen: 1.145 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.02 min
Lab File: VF062226.D
Acq: 19 Apr 2019 15:48

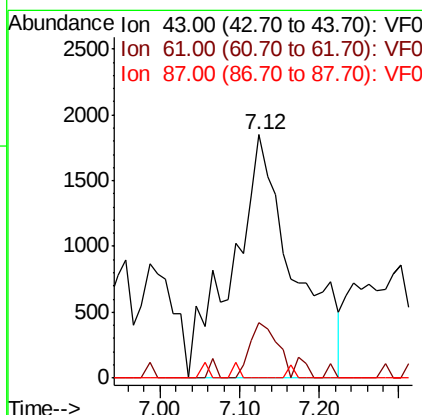
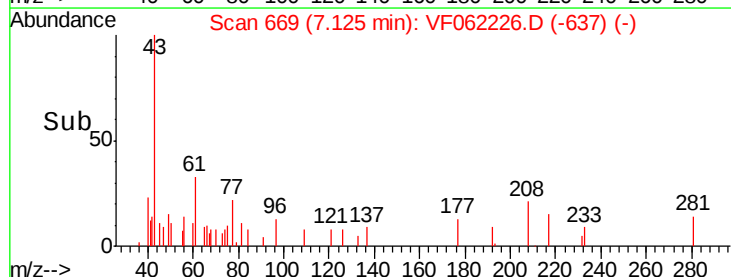
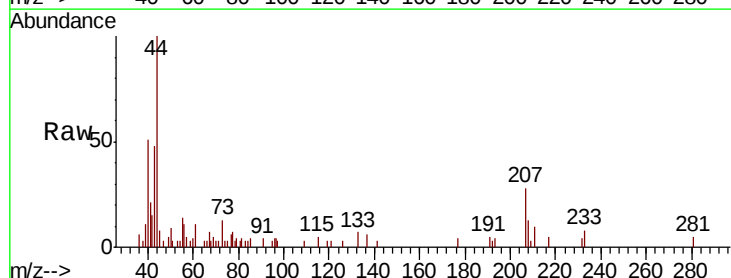
Instrument :
MSVOA_F
ClientSampleId :
OK-02-041619

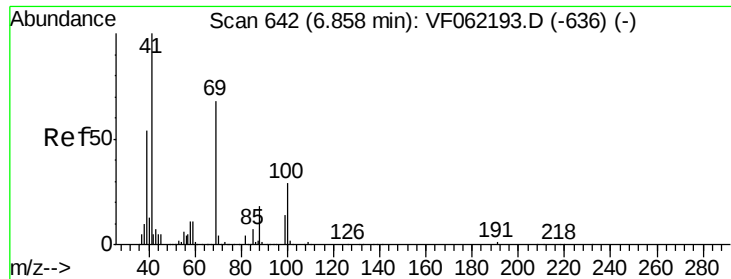
Tgt Ion: 43 Resp: 3903
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 6.7 7.8 11.6#



#43
Isopropyl Acetate
Concen: 2.755 ug/l
RT: 7.12 min Scan# 669
Delta R.T. 0.02 min
Lab File: VF062226.D
Acq: 19 Apr 2019 15:48

Tgt Ion: 43 Resp: 9880
Ion Ratio Lower Upper
43 100
61 10.0 24.4 36.6#
87 0.0 0.4 0.6#

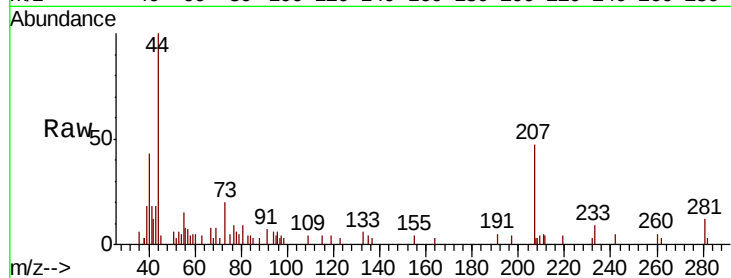




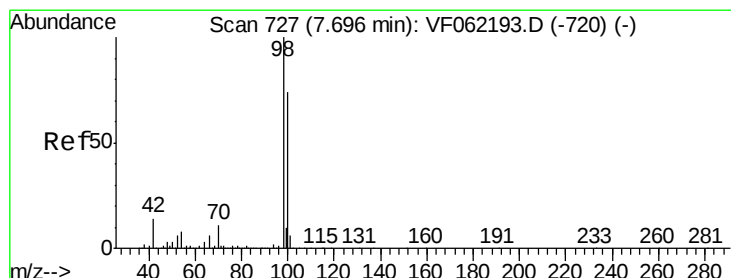
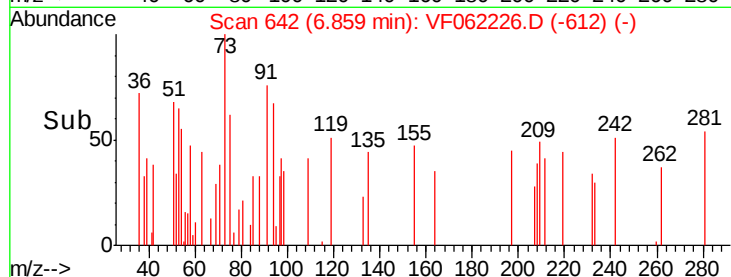
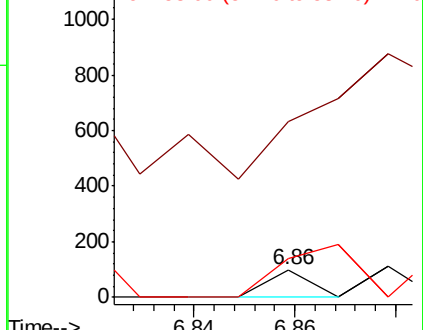
#49
1,4-Dioxane
Concen: 2.183 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF062226.D
Acq: 19 Apr 2019 15:48

Instrument :
MSVOA_F
ClientSampleId :
OK-02-041619

Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 1976.3 36.9 55.3#
58 332.2 56.8 85.2#

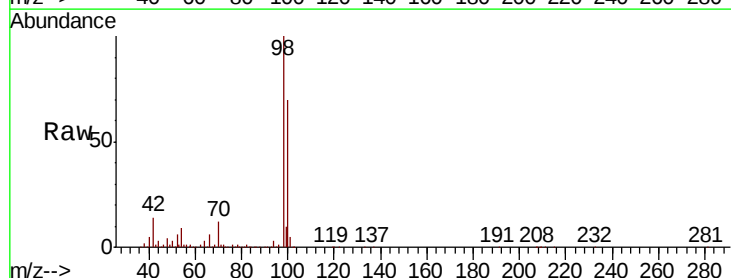


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

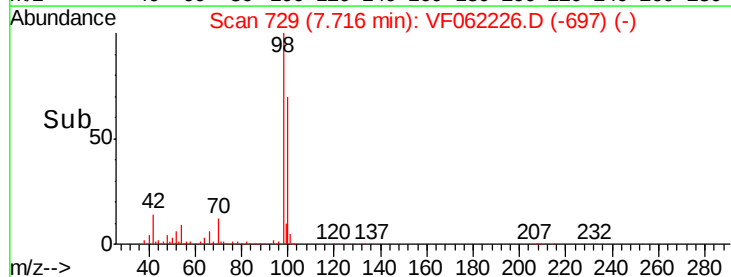
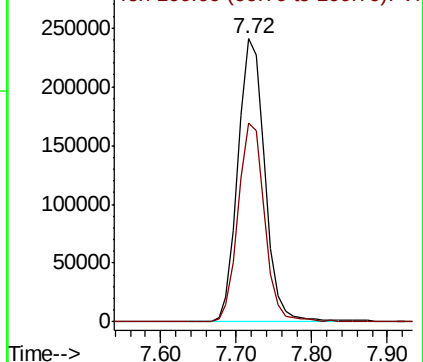


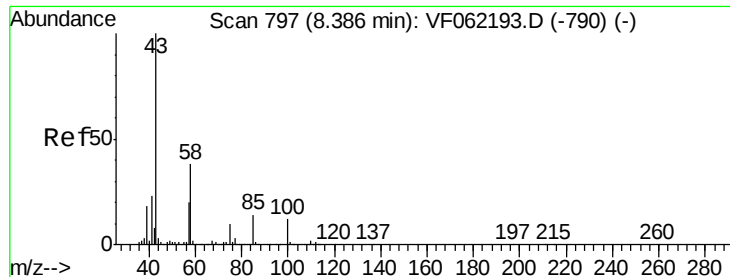
#50
Toluene-d8
Concen: 44.248 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.02 min
Lab File: VF062226.D
Acq: 19 Apr 2019 15:48

Tgt Ion: 98 Resp: 590401
Ion Ratio Lower Upper
98 100
100 69.3 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0

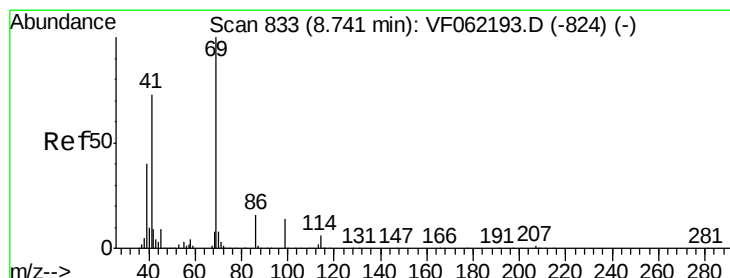
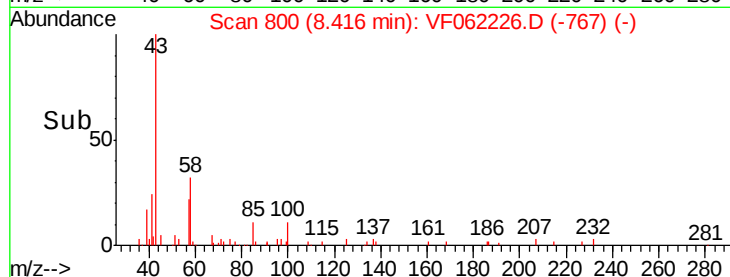
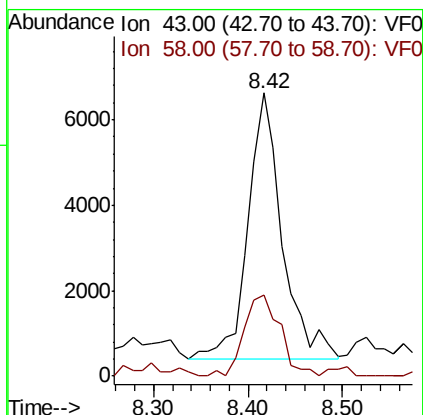
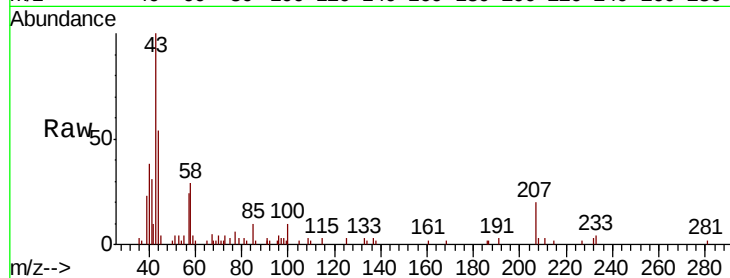




#51
 4-Methyl-2-Pentanone
 Concen: 5.889 ug/l
 RT: 8.42 min Scan# 800
 Delta R.T. 0.03 min
 Lab File: VF062226.D
 Acq: 19 Apr 2019 15:48

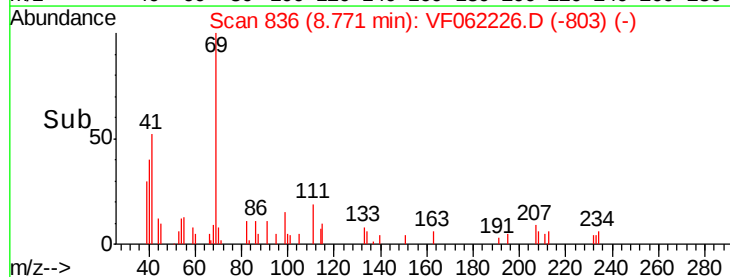
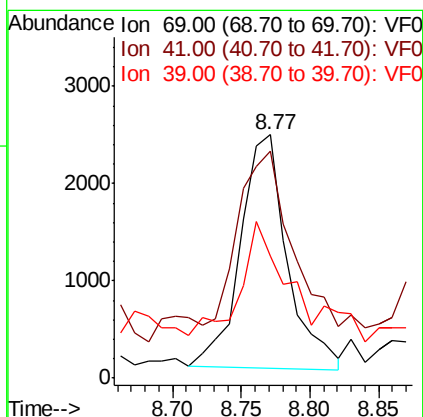
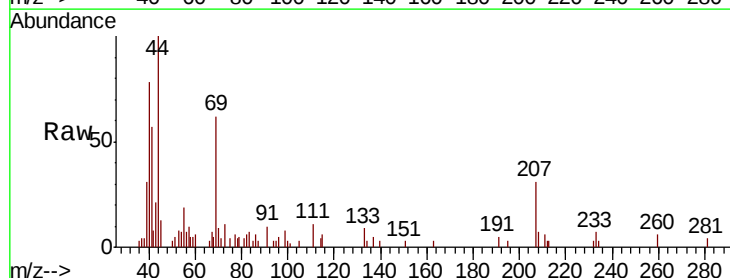
Instrument :
 MSVOA_F
 ClientSampleId :
 OK-02-041619

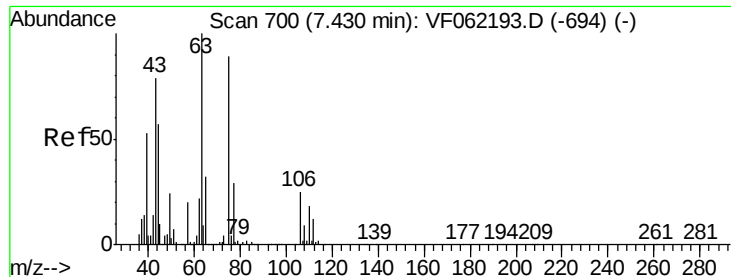
Tgt Ion: 43 Resp: 15706
 Ion Ratio Lower Upper
 43 100
 58 32.0 29.3 43.9



#56
 Ethyl methacrylate
 Concen: 1.792 ug/l
 RT: 8.77 min Scan# 836
 Delta R.T. 0.03 min
 Lab File: VF062226.D
 Acq: 19 Apr 2019 15:48

Tgt Ion: 69 Resp: 5702
 Ion Ratio Lower Upper
 69 100
 41 84.9 61.5 92.3
 39 60.0 33.3 49.9#

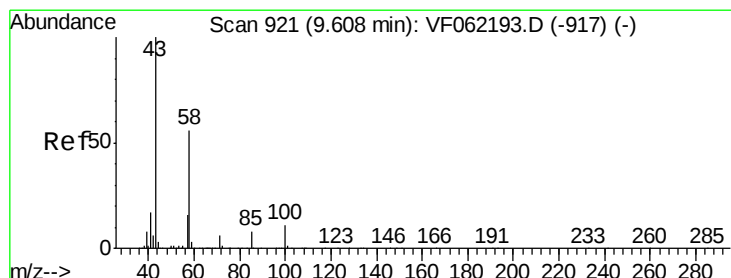
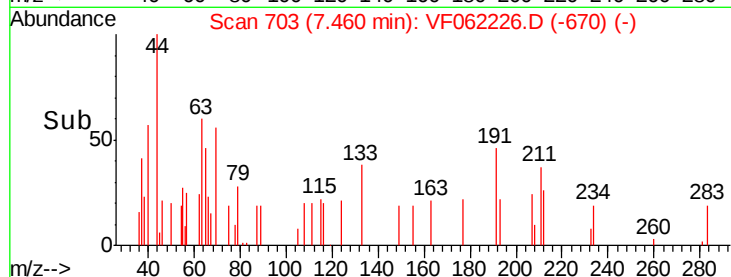
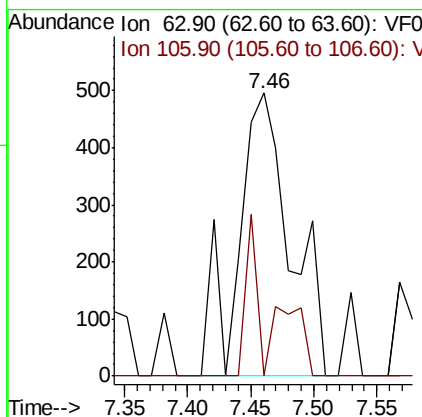
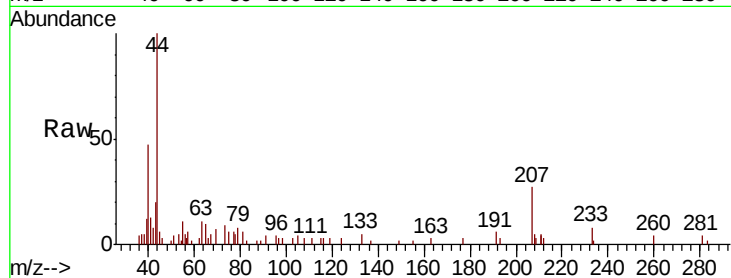




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.573 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.03 min
 Lab File: VF062226.D
 Acq: 19 Apr 2019 15:48

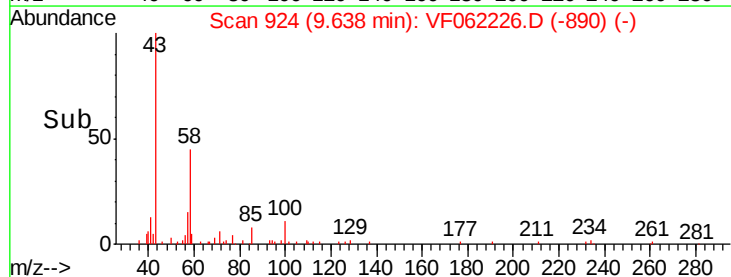
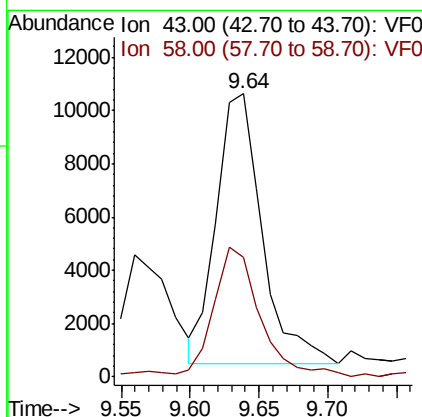
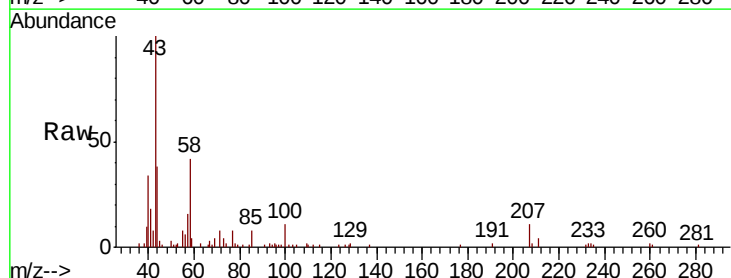
Instrument :
 MSVOA_F
 ClientSampleId :
 OK-02-041619

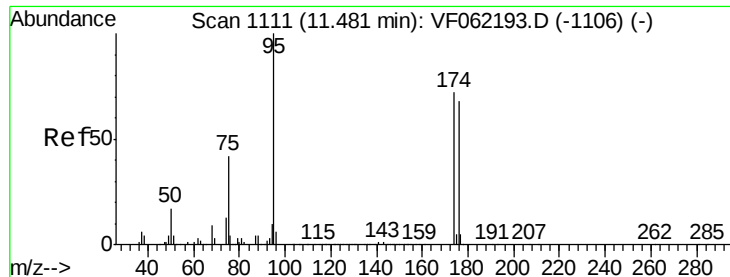
Tgt Ion: 63 Resp: 1453
 Ion Ratio Lower Upper
 63 100
 106 20.9 21.4 32.0#



#59
 2-Hexanone
 Concen: 14.248 ug/l
 RT: 9.64 min Scan# 924
 Delta R.T. 0.03 min
 Lab File: VF062226.D
 Acq: 19 Apr 2019 15:48

Tgt Ion: 43 Resp: 23481
 Ion Ratio Lower Upper
 43 100
 58 48.5 24.6 74.0

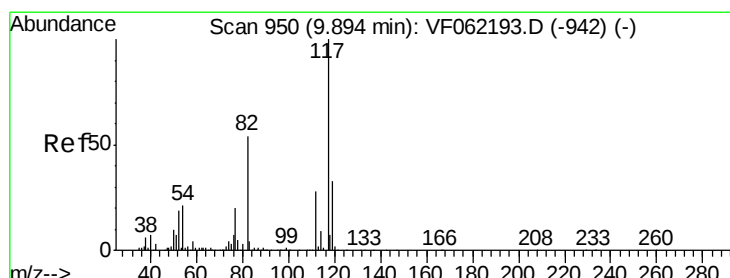
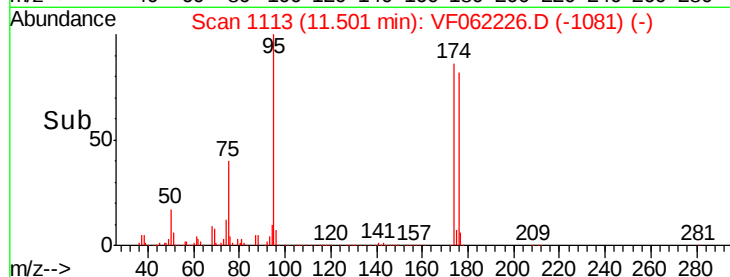
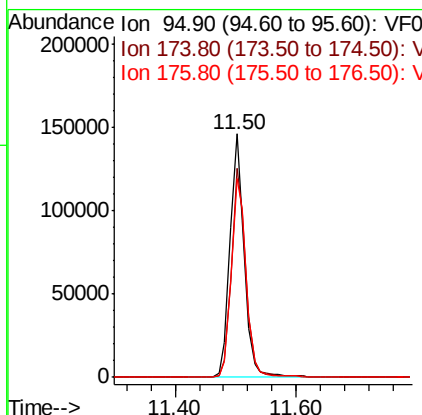
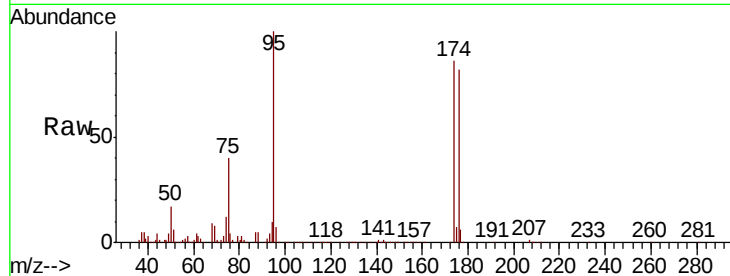




#62
4-Bromofluorobenzene
Concen: 46.869 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VF062226.D
Acq: 19 Apr 2019 15:48

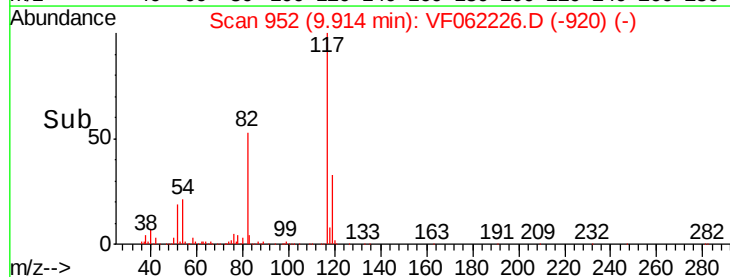
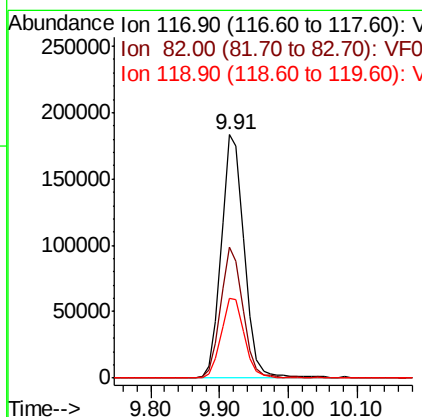
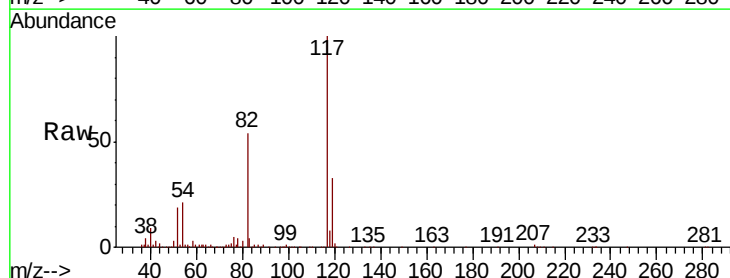
Instrument :
MSVOA_F
ClientSampleId :
OK-02-041619

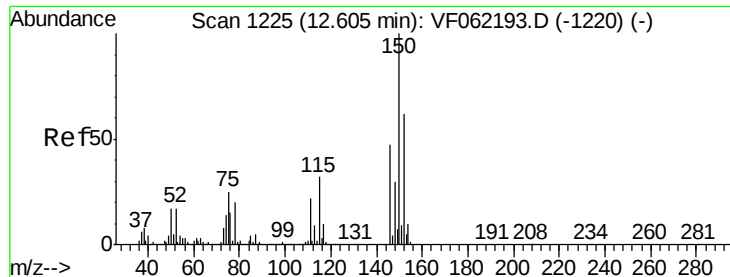
Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.5	0.0	159.4
176	85.4	0.0	155.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.02 min
Lab File: VF062226.D
Acq: 19 Apr 2019 15:48

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.2	64.8
119	32.9	26.2	39.4

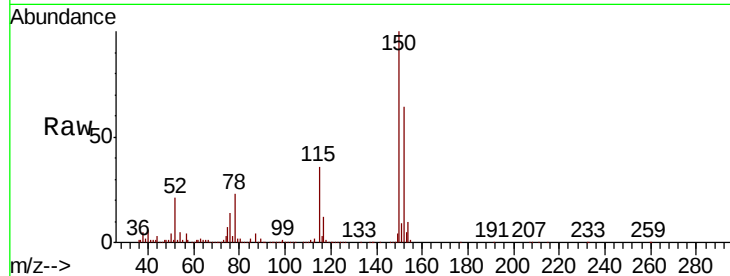




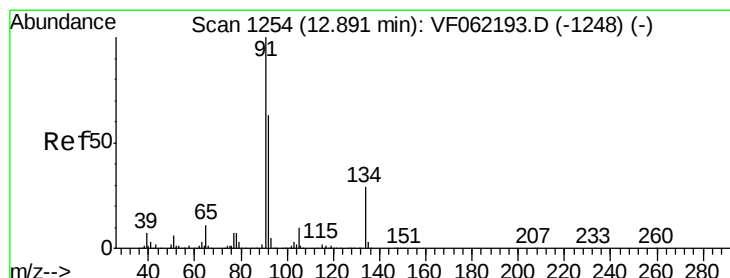
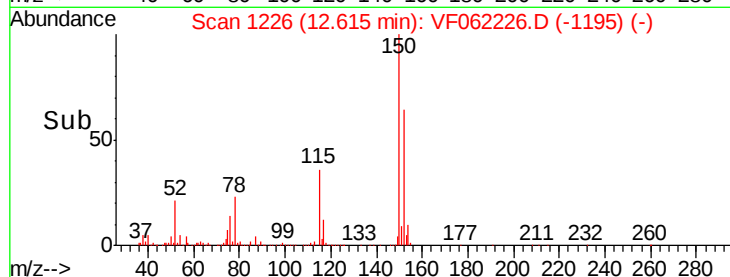
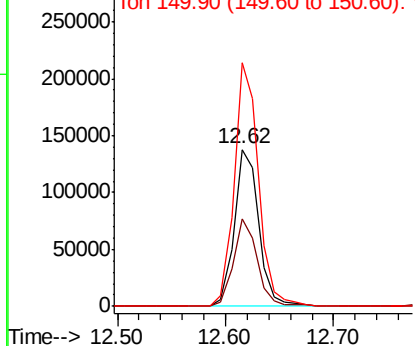
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. 0.01 min
 Lab File: VF062226.D
 Acq: 19 Apr 2019 15:48

Instrument :
 MSVOA_F
 ClientSampleId :
 OK-02-041619

Tgt Ion: 152 Resp: 216982
 Ion Ratio Lower Upper
 152 100
 115 54.9 27.8 83.3
 150 154.0 0.0 341.8

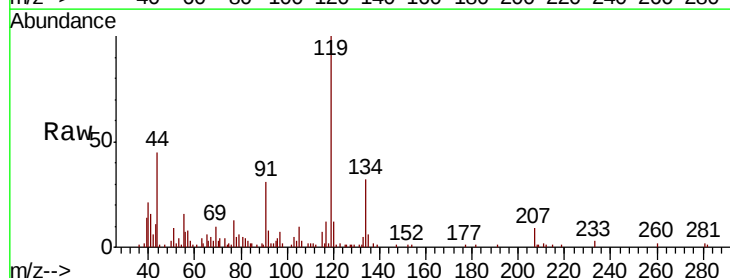


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

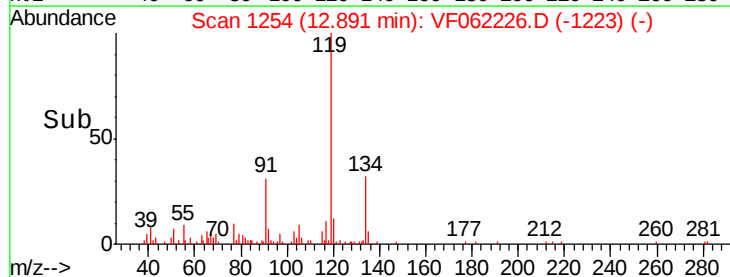
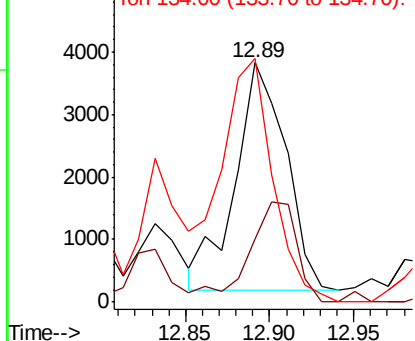


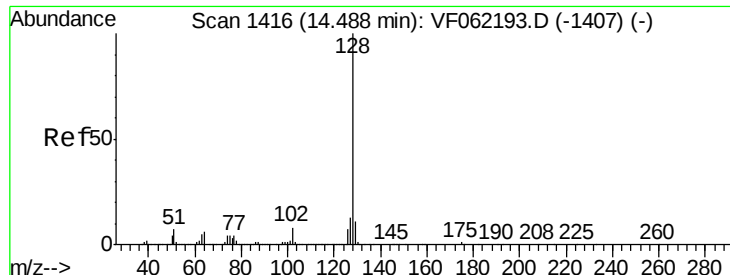
#89
 n-Butylbenzene
 Concen: Below Cal
 RT: 12.89 min Scan# 1254
 Delta R.T. 0.00 min
 Lab File: VF062226.D
 Acq: 19 Apr 2019 15:48

Tgt Ion: 91 Resp: 7611
 Ion Ratio Lower Upper
 91 100
 92 38.1 31.2 93.6
 134 110.4 13.1 39.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0
 Ion 92.00 (91.70 to 92.70): VF0
 Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 2.346 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VF062226.D

Acq: 19 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

OK-02-041619

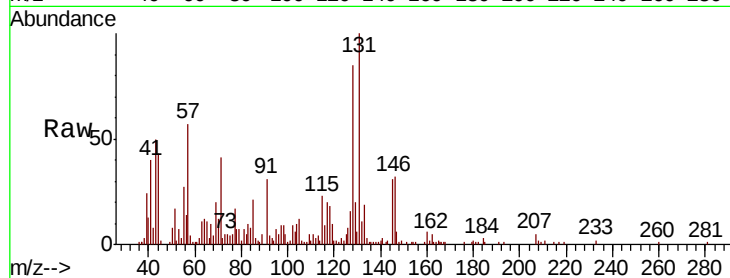
Tgt Ion:128 Resp: 24556

Ion Ratio Lower Upper

128 100

127 22.4 10.4 15.6#

129 35.0 9.2 13.8#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

