

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF050719\
 Data File : VF062355.D
 Acq On : 7 May 2019 14:09
 Operator : FY/SY
 Sample : K2642-01
 Misc : 5.27g/5mL/MSVOA_F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OK-02-050219

Quant Time: May 07 14:41:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	249238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	355950	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	250741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	127221	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	119797	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
35) Dibromofluoromethane	4.30	113	133710	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	
50) Toluene-d8	7.70	98	244729	35.65	ug/l	0.00
Spiked Amount			Recovery	=	71.30%	
62) 4-Bromofluorobenzene	11.49	95	99362	32.08	ug/l	0.00
Spiked Amount			Recovery	=	64.16%	

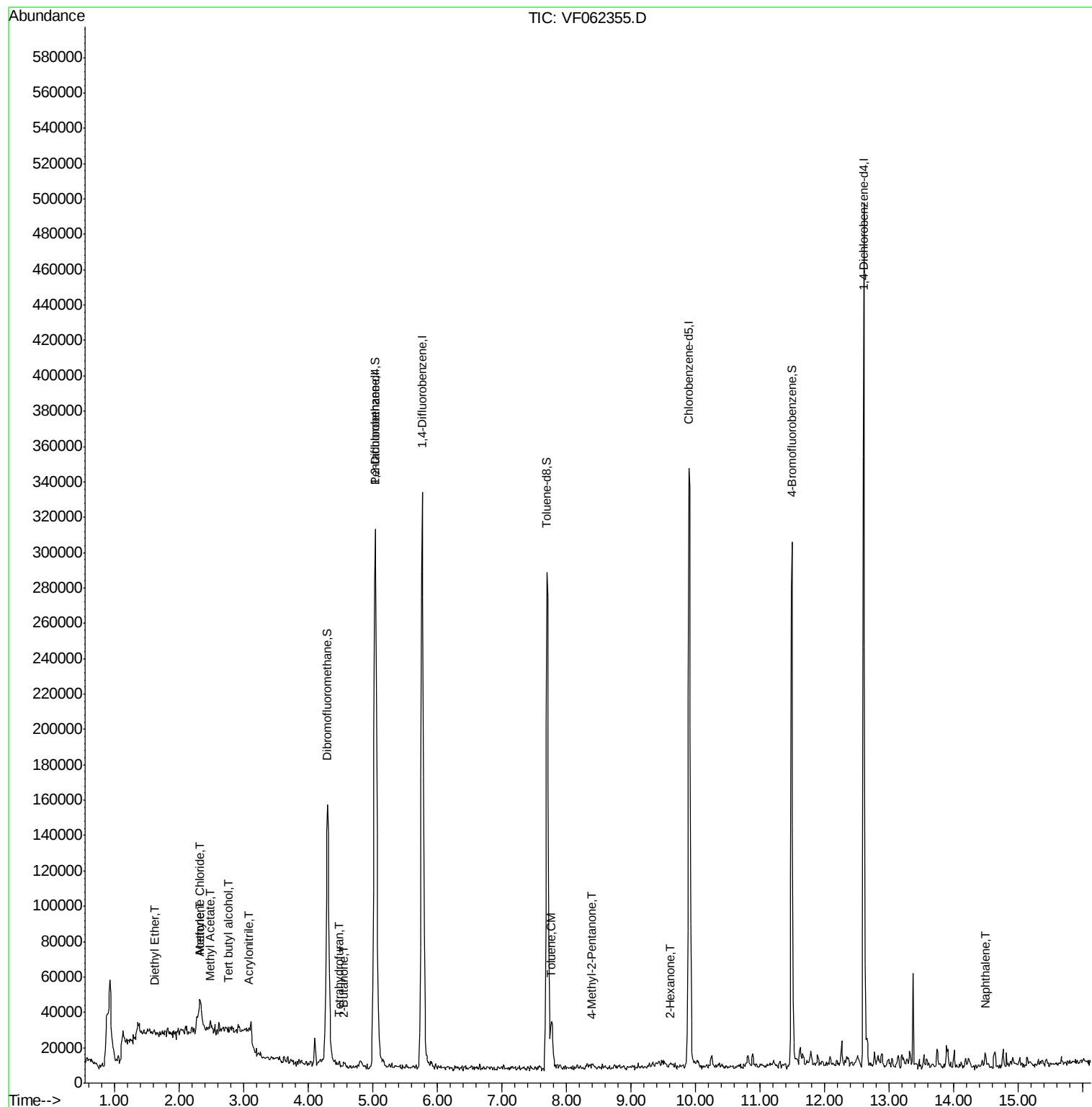
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.46	94	800	Below Cal	#	49
8) Diethyl Ether	1.63	74	637	1.069	ug/l	68
11) Tert butyl alcohol	2.75	59	660	4.958	ug/l #	70
13) Acrolein	2.10	56	940	Below Cal		85
15) Acrylonitrile	3.07	53	498	1.975	ug/l #	24
16) Acetone	2.34	43	4046	8.491	ug/l	95
18) Methyl Acetate	2.47	43	3708	1.211	ug/l #	83
20) Methylene Chloride	2.33	84	13770	7.988	ug/l #	82
25) 2-Butanone	4.54	43	785	1.311	ug/l #	65
29) Tetrahydrofuran	4.50	42	332	1.207	ug/l	91
37) Ethyl Acetate	4.31	43	862	Below Cal	#	46
38) Carbon Tetrachloride	4.17	117	116	Below Cal	#	14
51) 4-Methyl-2-Pentanone	8.40	43	2407	2.284	ug/l	97
52) Toluene	7.78	92	13378	3.221	ug/l	94
59) 2-Hexanone	9.62	43	2563	3.516	ug/l	75
95) Naphthalene	14.49	128	5402	1.145	ug/l #	84

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF050719\
Data File : VF062355.D
Acq On : 7 May 2019 14:09
Operator : FY/SY
Sample : K2642-01
Misc : 5.27g/5mL/MSVOA_F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
OK-02-050219

Quant Time: May 07 14:41:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF062355.D

Acq: 7 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

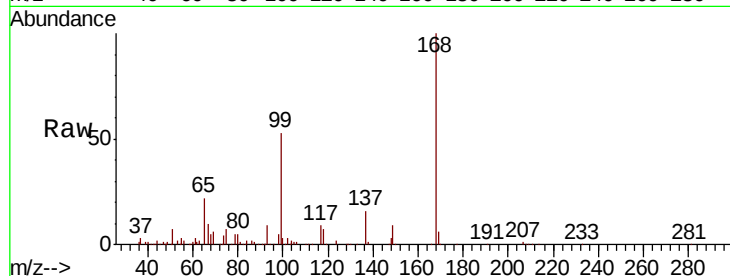
OK-02-050219

Tgt Ion:168 Resp: 249238

Ion Ratio Lower Upper

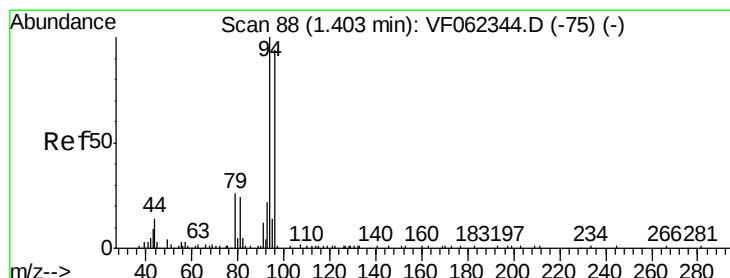
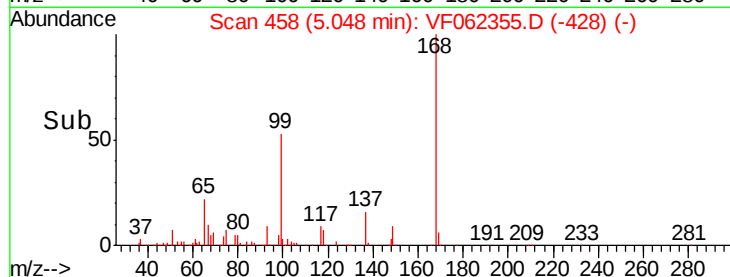
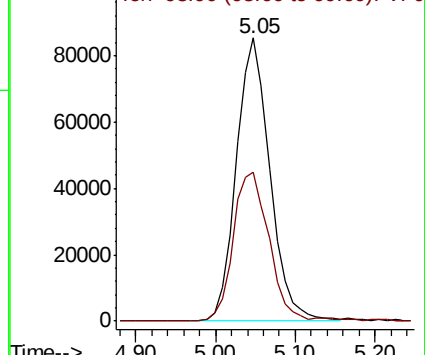
168 100

99 52.5 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#5

Bromomethane

Concen: Below Cal

RT: 1.46 min Scan# 94

Delta R.T. 0.06 min

Lab File: VF062355.D

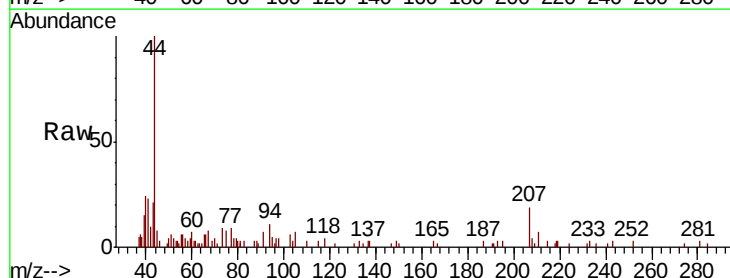
Acq: 7 May 2019 14:09

Tgt Ion: 94 Resp: 800

Ion Ratio Lower Upper

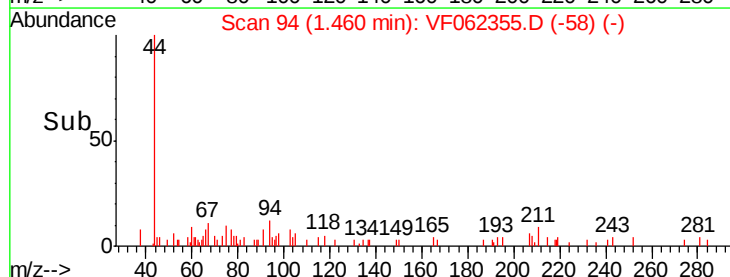
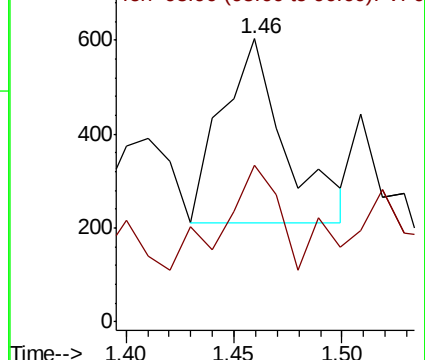
94 100

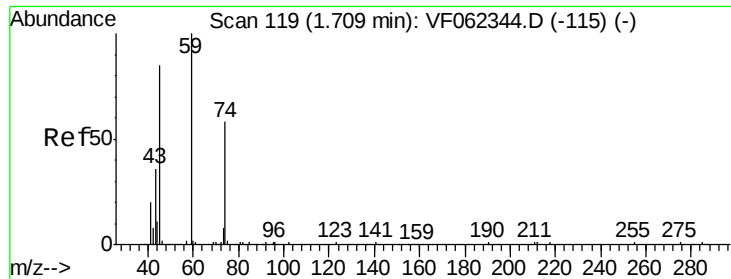
96 44.8 75.4 113.2#



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0





#8

Diethyl Ether

Concen: 1.069 ug/l

RT: 1.63 min Scan# 111

Delta R.T. -0.08 min

Lab File: VF062355.D

Acq: 7 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

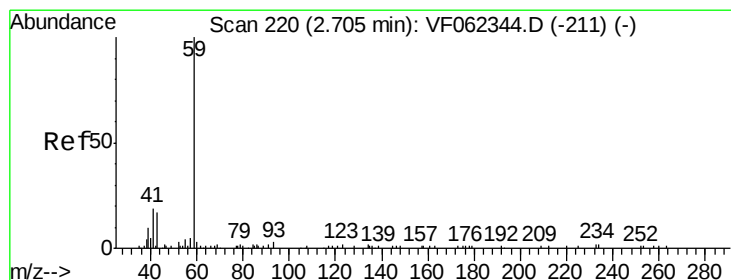
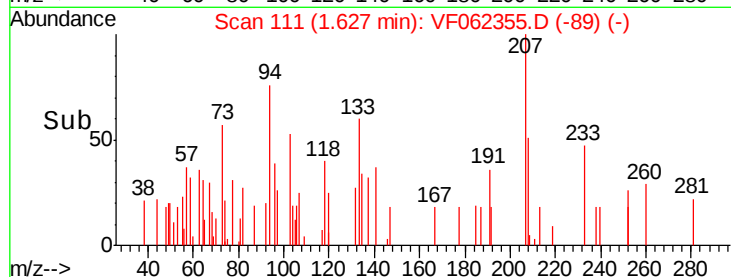
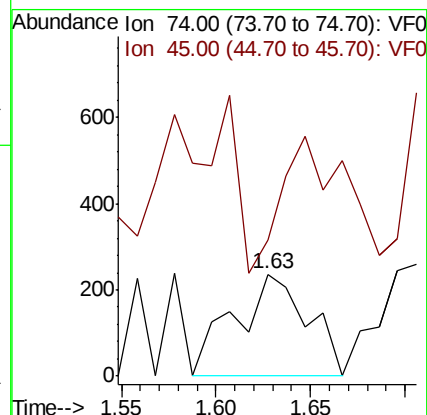
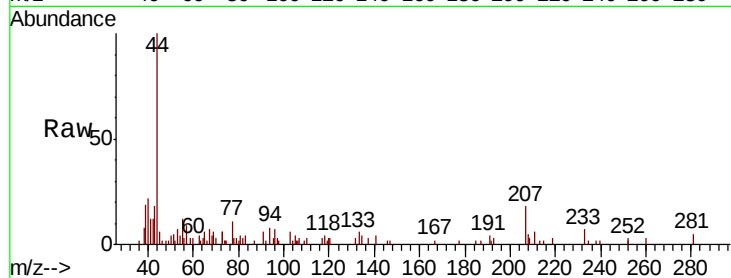
OK-02-050219

Tgt Ion: 74 Resp: 637

Ion Ratio Lower Upper

74 100

45 188.5 73.9 221.6



#11

Tert butyl alcohol

Concen: 4.958 ug/l

RT: 2.75 min Scan# 225

Delta R.T. 0.05 min

Lab File: VF062355.D

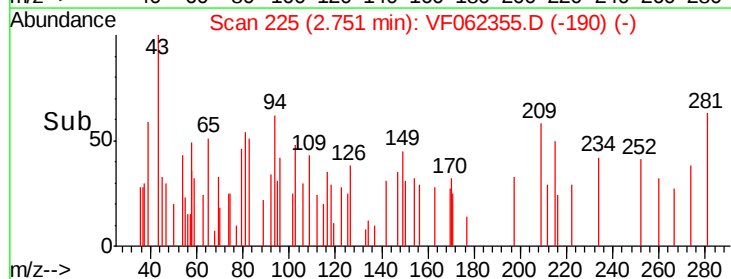
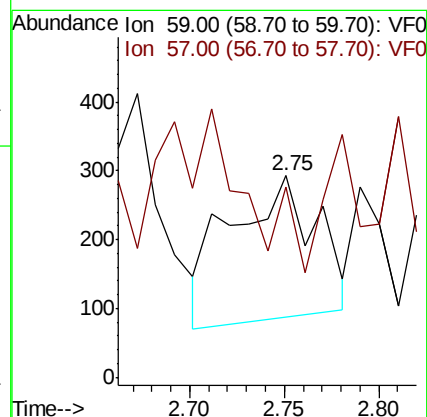
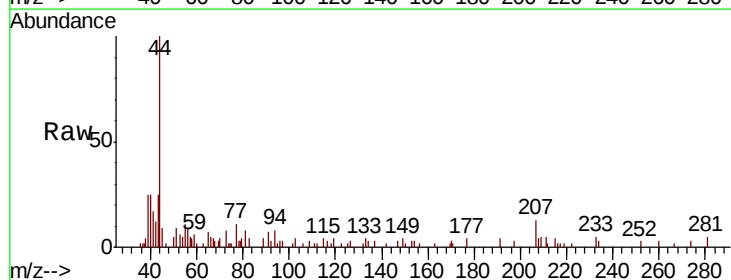
Acq: 7 May 2019 14:09

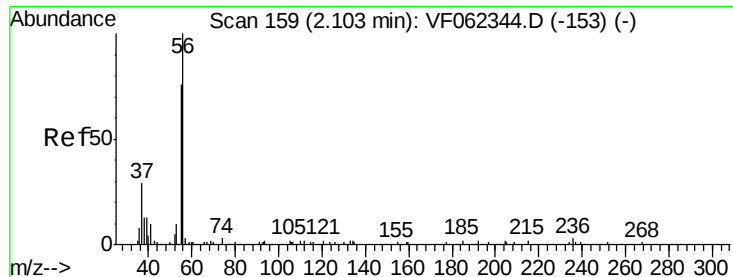
Tgt Ion: 59 Resp: 660

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#

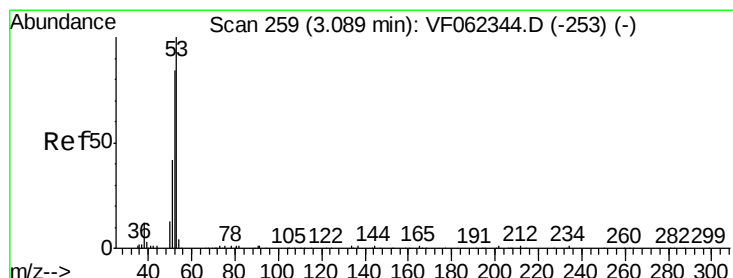
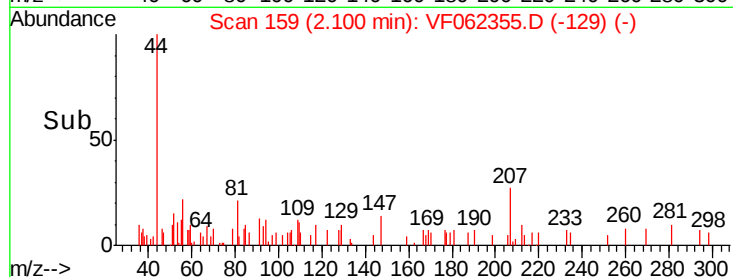
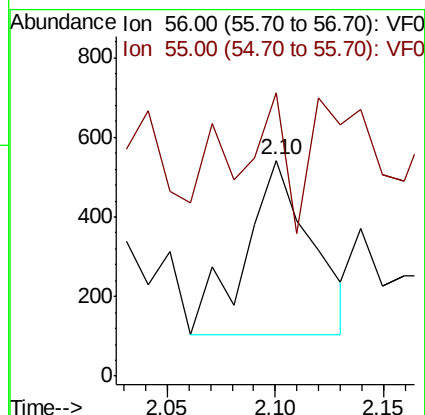
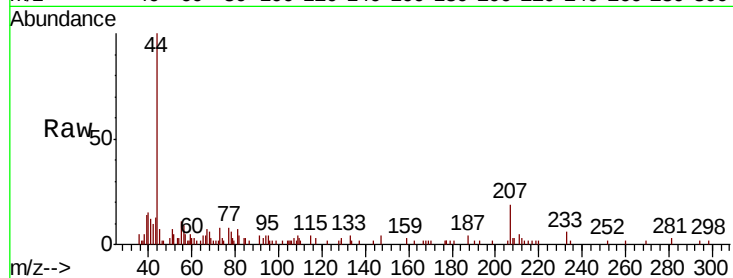




#13
Acrolein
Concen: Below Cal
RT: 2.10 min Scan# 159
Delta R.T. -0.00 min
Lab File: VF062355.D
Acq: 7 May 2019 14:09

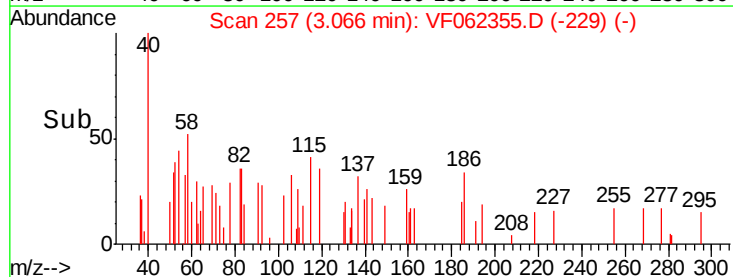
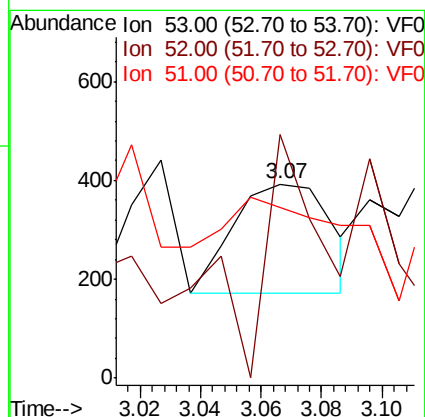
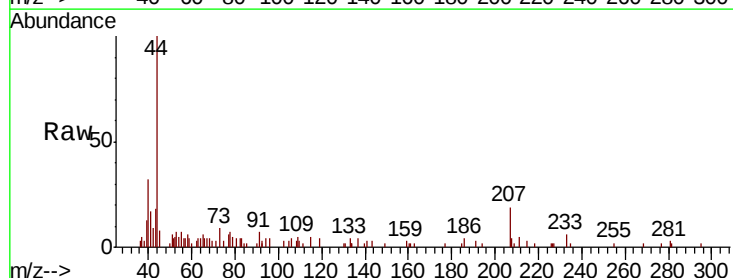
Instrument :
MSVOA_F
ClientSampleId :
OK-02-050219

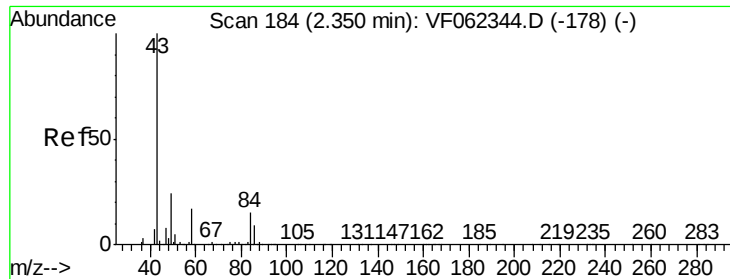
Tgt Ion: 56 Resp: 940
Ion Ratio Lower Upper
56 100
55 60.0 58.4 87.6



#15
Acrylonitrile
Concen: 1.975 ug/l
RT: 3.07 min Scan# 257
Delta R.T. -0.02 min
Lab File: VF062355.D
Acq: 7 May 2019 14:09

Tgt Ion: 53 Resp: 498
Ion Ratio Lower Upper
53 100
52 150.8 77.2 115.8#
51 130.5 40.6 61.0#

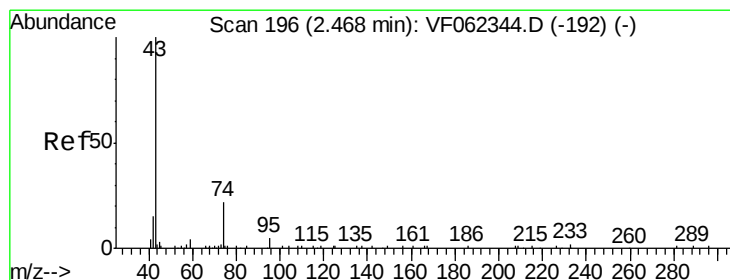
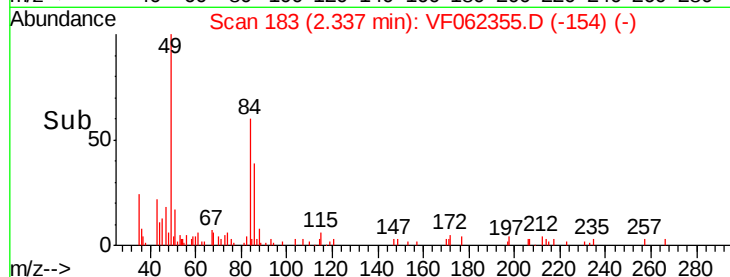
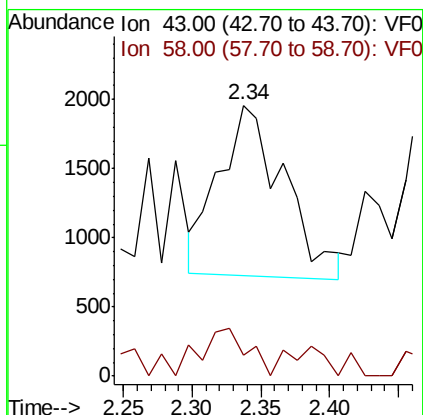
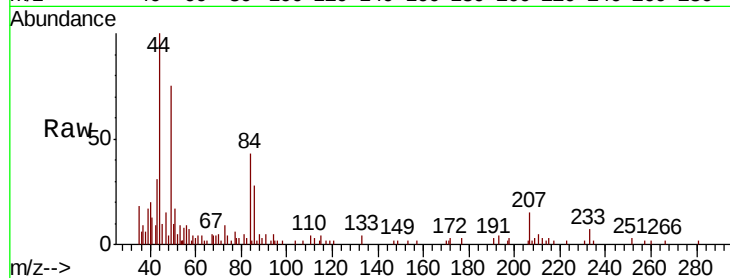




#16
Acetone
Concen: 8.491 ug/l
RT: 2.34 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF062355.D
Acq: 7 May 2019 14:09

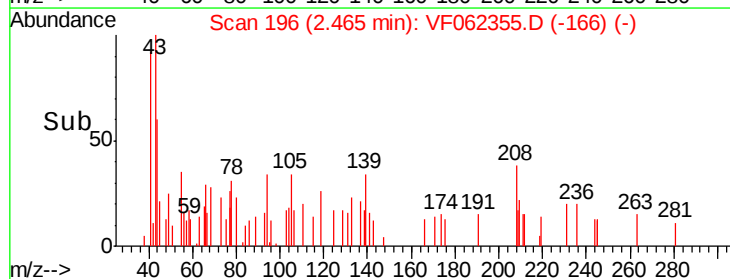
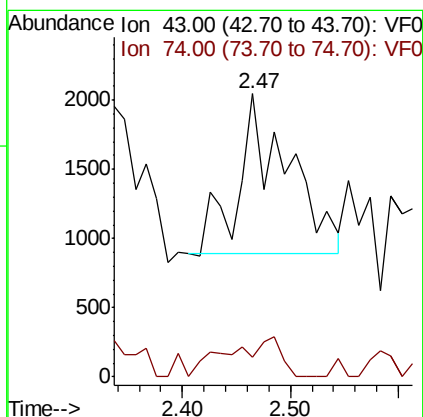
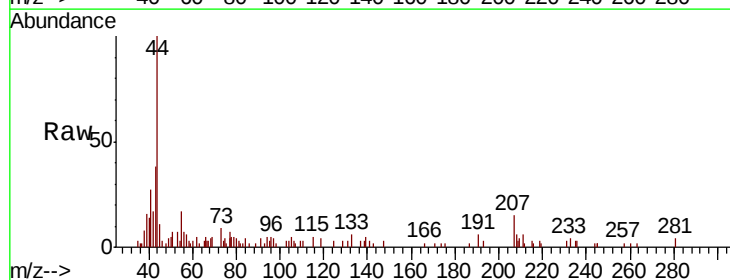
Instrument :
MSVOA_F
ClientSampleId :
OK-02-050219

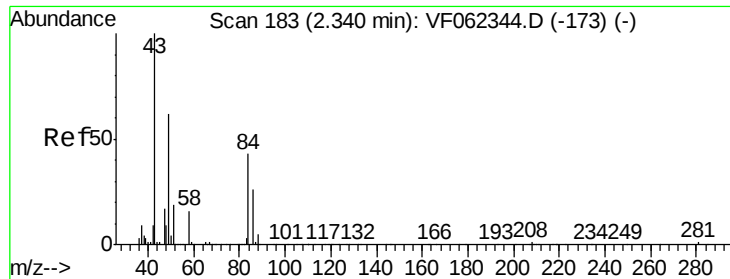
Tgt Ion: 43 Resp: 4046
Ion Ratio Lower Upper
43 100
58 14.2 13.1 19.7



#18
Methyl Acetate
Concen: 1.211 ug/l
RT: 2.47 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF062355.D
Acq: 7 May 2019 14:09

Tgt Ion: 43 Resp: 3708
Ion Ratio Lower Upper
43 100
74 26.2 15.0 22.4#

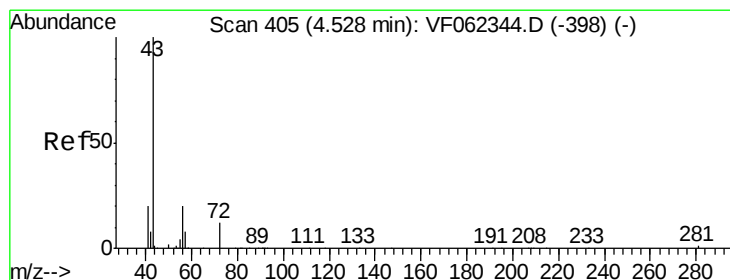
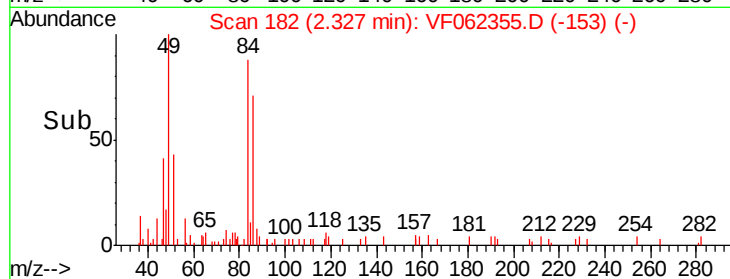
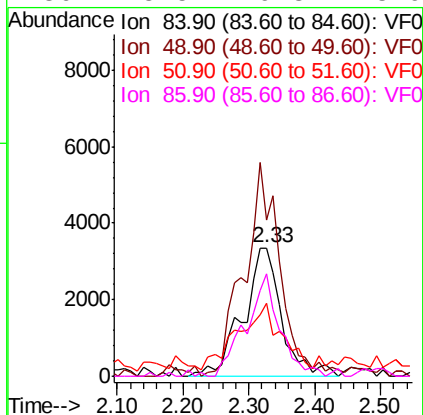
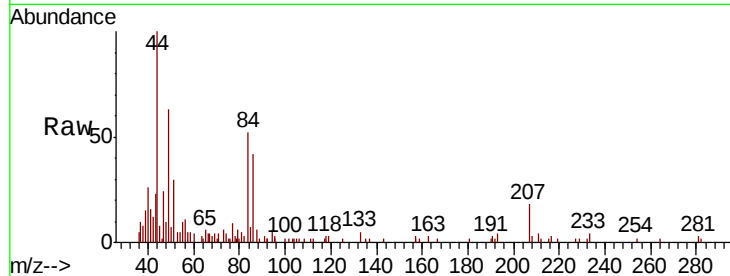




#20
Methylene Chloride
Concen: 7.988 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF062355.D
Acq: 7 May 2019 14:09

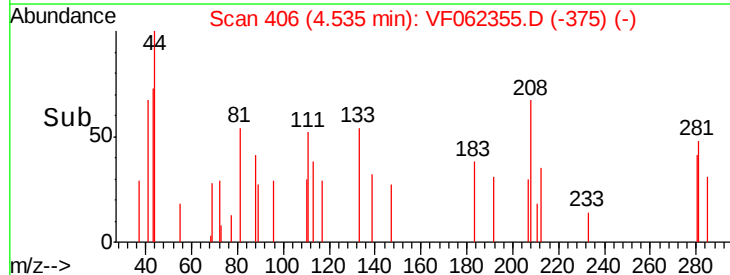
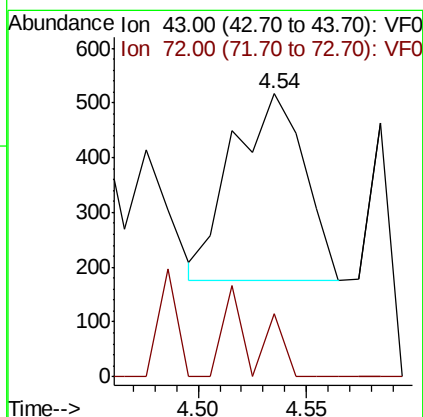
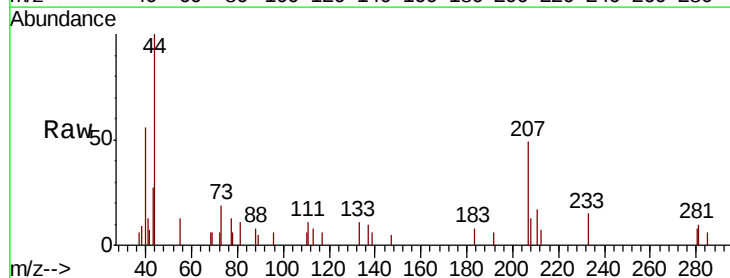
Instrument :
MSVOA_F
ClientSampleId :
OK-02-050219

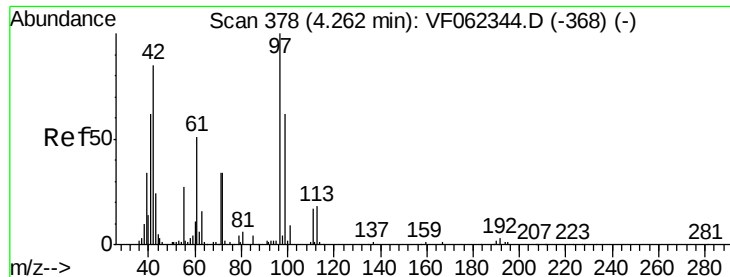
Tgt Ion:	84	Resp:	13770
Ion	Ratio	Lower	Upper
84	100		
49	118.1	117.5	176.3
51	48.8	37.0	55.4
86	75.5	49.3	73.9#



#25
2-Butanone
Concen: 1.311 ug/l
RT: 4.54 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF062355.D
Acq: 7 May 2019 14:09

Tgt Ion:	43	Resp:	785
Ion	Ratio	Lower	Upper
43	100		
72	33.4	14.2	21.4#





#29

Tetrahydrofuran

Concen: 1.207 ug/l

RT: 4.50 min Scan# 402

Delta R.T. 0.23 min

Lab File: VF062355.D

Acq: 7 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

OK-02-050219

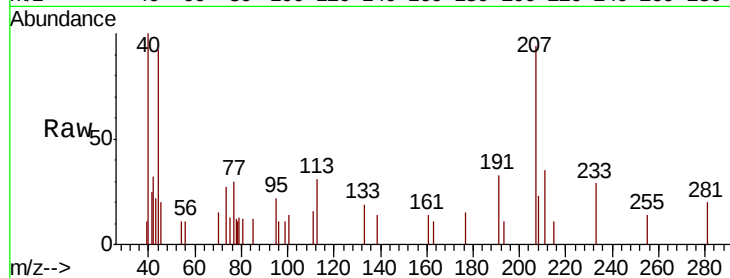
Tgt Ion: 42 Resp: 332

Ion Ratio Lower Upper

42 100

72 35.2 31.4 47.0

71 31.9 31.7 47.5

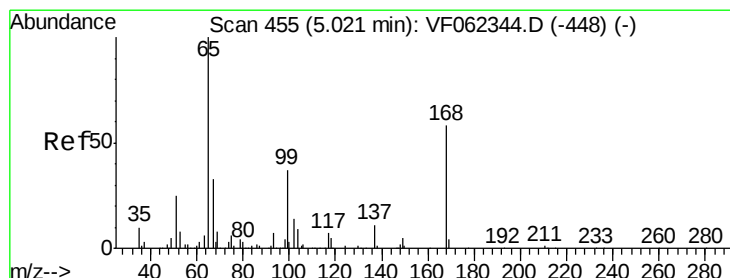
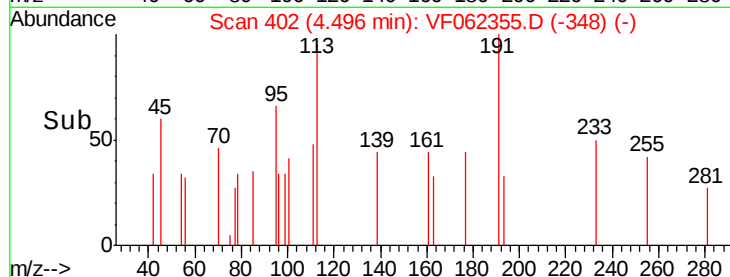
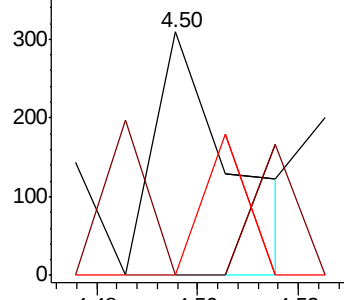


Abundance

Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 50.860 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.01 min

Lab File: VF062355.D

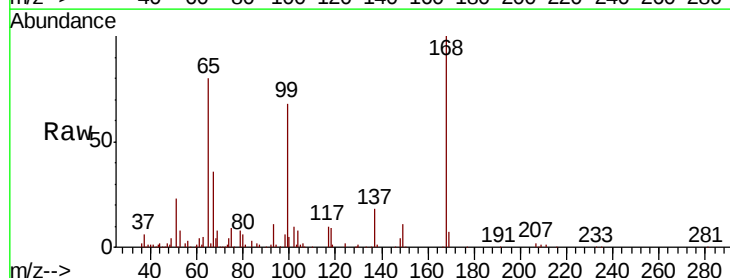
Acq: 7 May 2019 14:09

Tgt Ion: 65 Resp: 119797

Ion Ratio Lower Upper

65 100

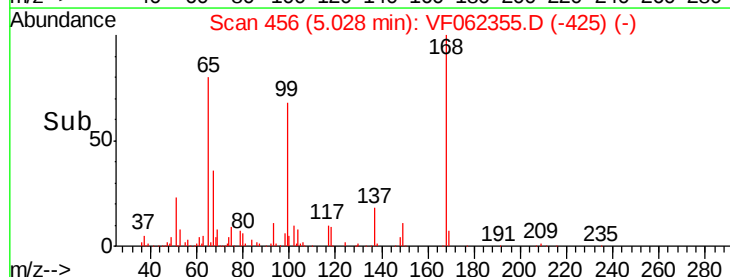
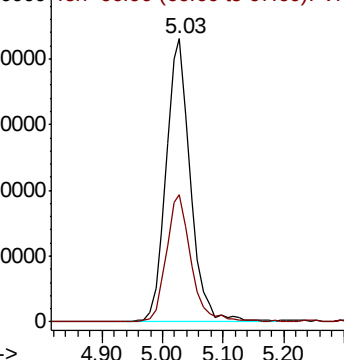
67 45.4 0.0 85.8

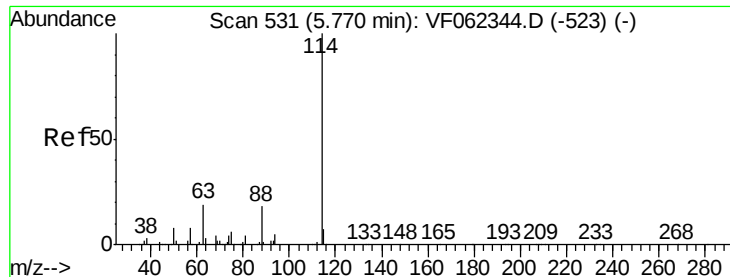


Abundance

Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.00 min

Lab File: VF062355.D

Acq: 7 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

OK-02-050219

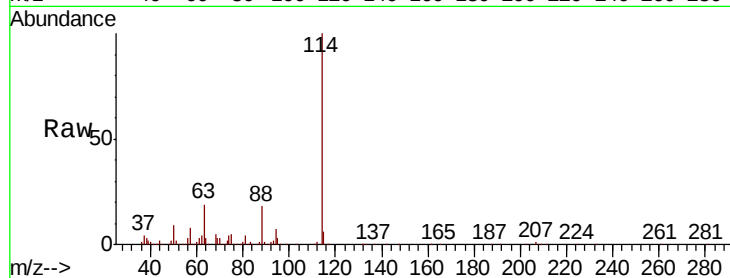
Tgt Ion:114 Resp: 355950

Ion Ratio Lower Upper

114 100

63 19.3 0.0 37.4

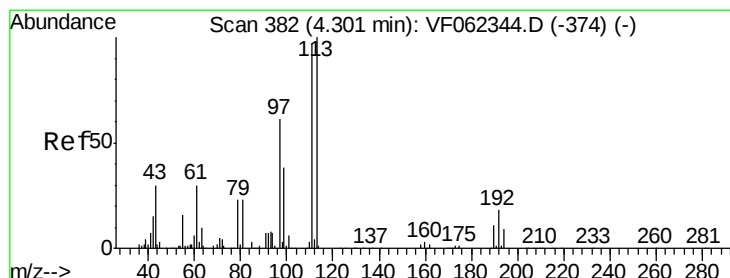
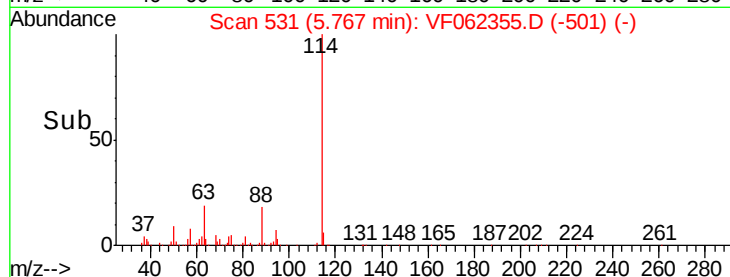
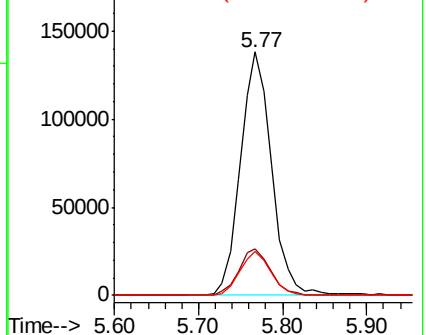
88 18.2 0.0 36.4



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: 47.151 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF062355.D

Acq: 7 May 2019 14:09

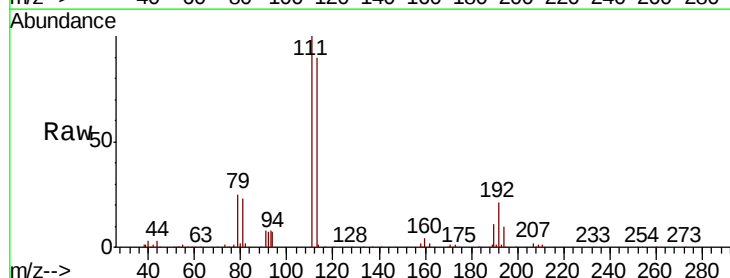
Tgt Ion:113 Resp: 133710

Ion Ratio Lower Upper

113 100

111 103.0 79.4 119.0

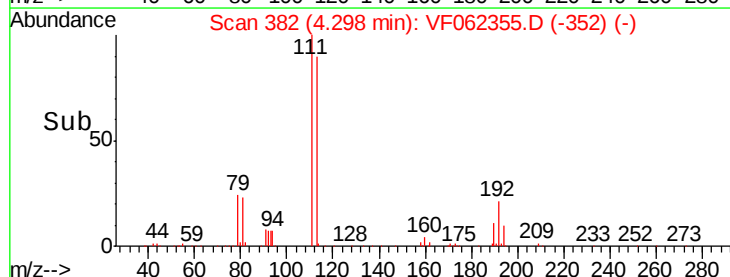
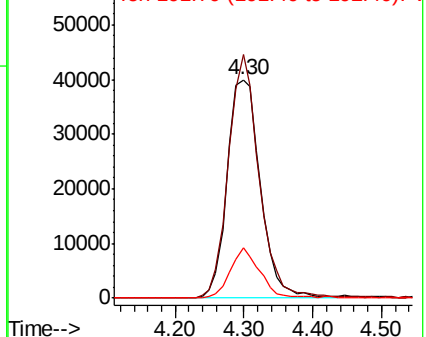
192 20.4 16.0 24.0

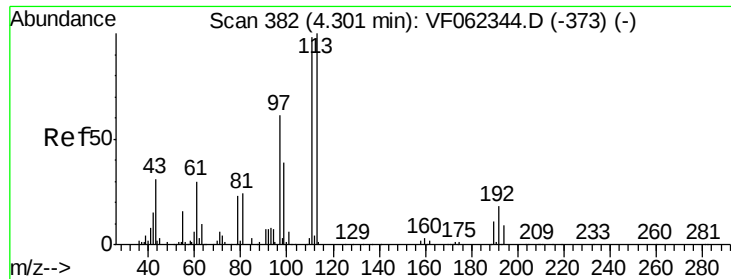


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

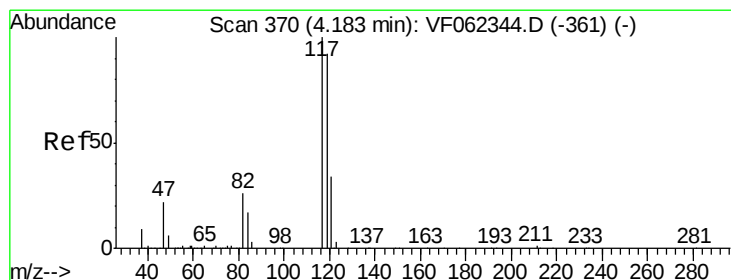
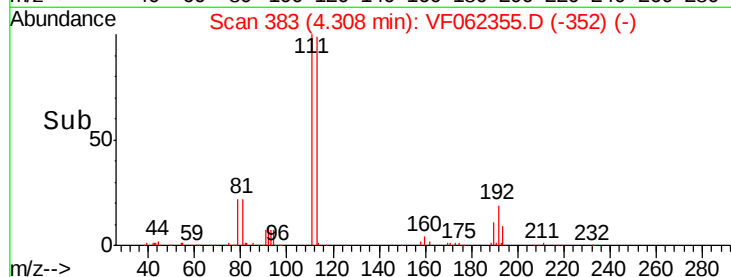
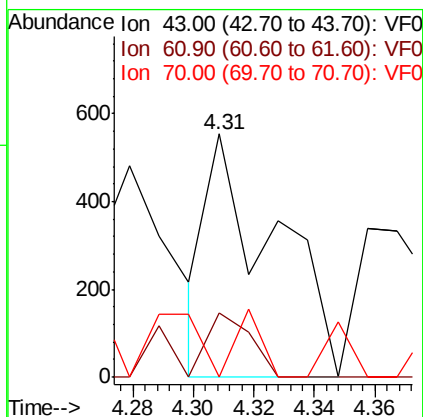
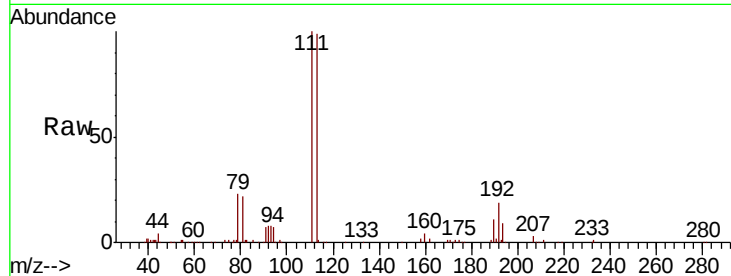




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062355.D
Acq: 7 May 2019 14:09

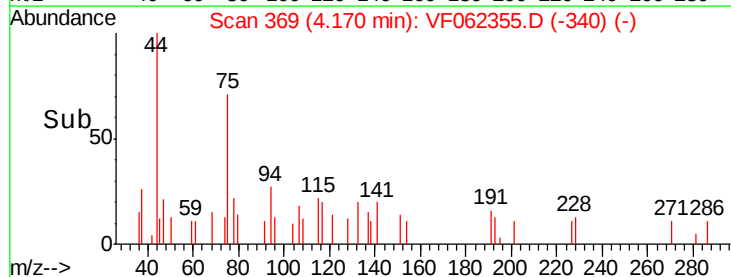
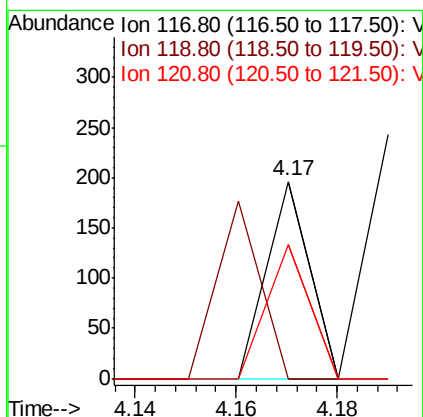
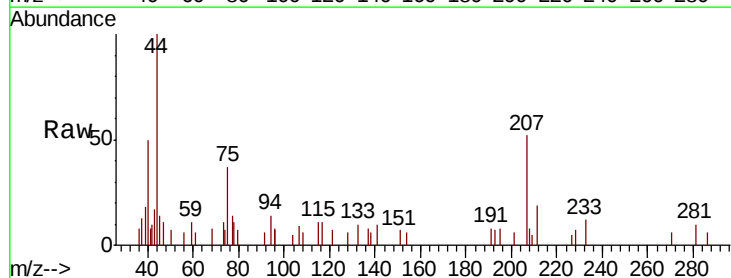
Instrument :
MSVOA_F
ClientSampleId :
OK-02-050219

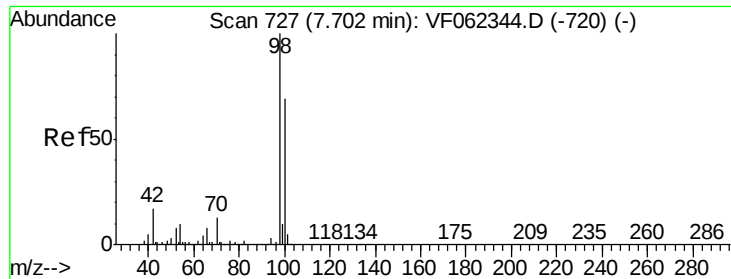
Tgt Ion: 43 Resp: 862
Ion Ratio Lower Upper
43 100
61 24.9 0.0 0.0#
70 30.2 8.2 12.2#



#38
Carbon Tetrachloride
Concen: Below Cal
RT: 4.17 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF062355.D
Acq: 7 May 2019 14:09

Tgt Ion: 117 Resp: 116
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.2#
121 67.9 27.4 41.0#

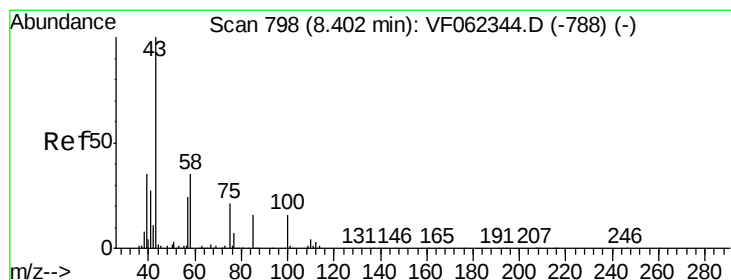
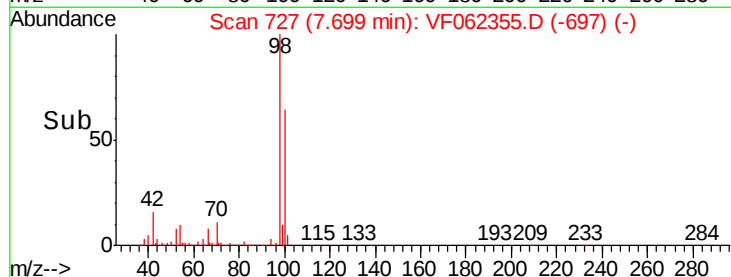
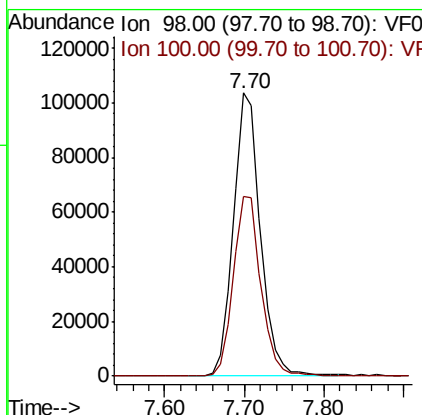
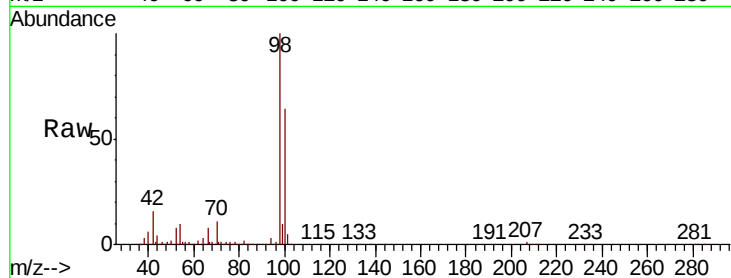




#50
Toluene-d8
Concen: 35.652 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF062355.D
Acq: 7 May 2019 14:09

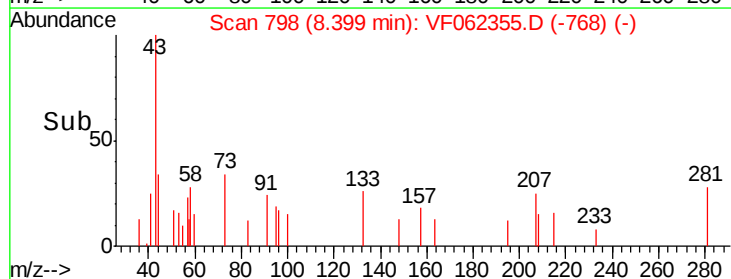
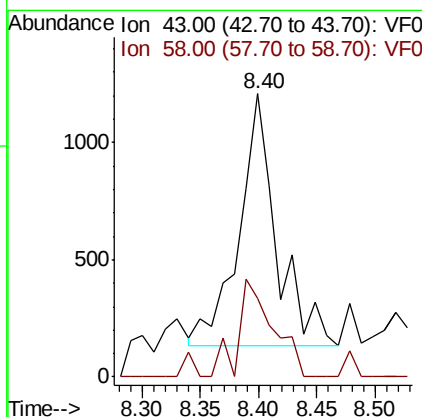
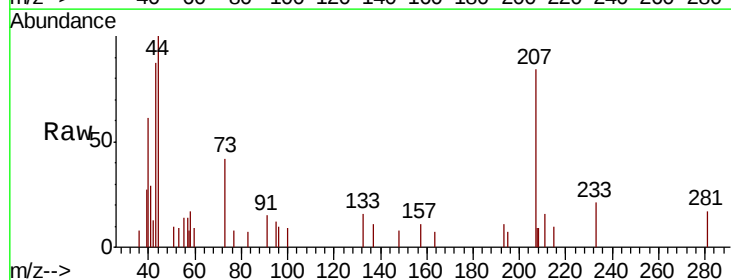
Instrument :
MSVOA_F
ClientSampleId :
OK-02-050219

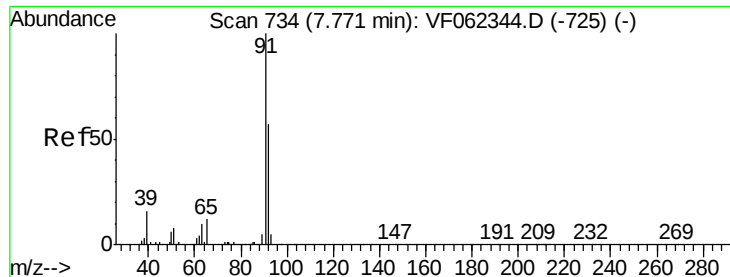
Tgt Ion: 98 Resp: 244729
Ion Ratio Lower Upper
98 100
100 65.2 53.3 79.9



#51
4-Methyl-2-Pentanone
Concen: 2.284 ug/l
RT: 8.40 min Scan# 798
Delta R.T. -0.00 min
Lab File: VF062355.D
Acq: 7 May 2019 14:09

Tgt Ion: 43 Resp: 2407
Ion Ratio Lower Upper
43 100
58 36.5 27.8 41.6





#52

Toluene

Concen: 3.221 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF062355.D

Acq: 7 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

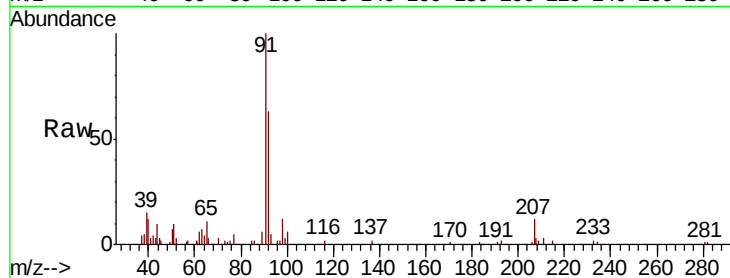
OK-02-050219

Tgt Ion: 92 Resp: 13378

Ion Ratio Lower Upper

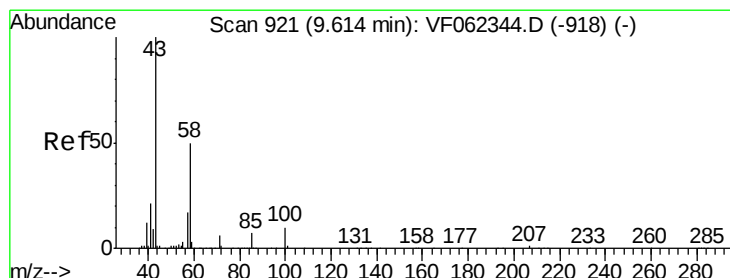
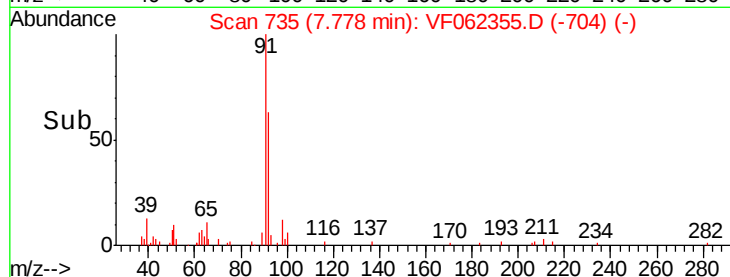
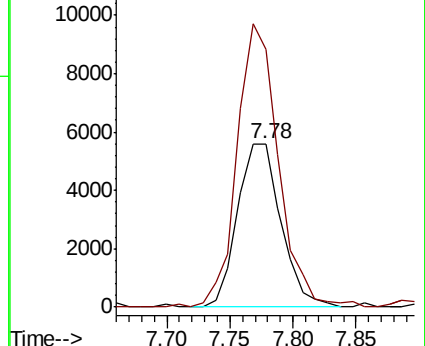
92 100

91 165.2 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#59

2-Hexanone

Concen: 3.516 ug/l

RT: 9.62 min Scan# 922

Delta R.T. 0.01 min

Lab File: VF062355.D

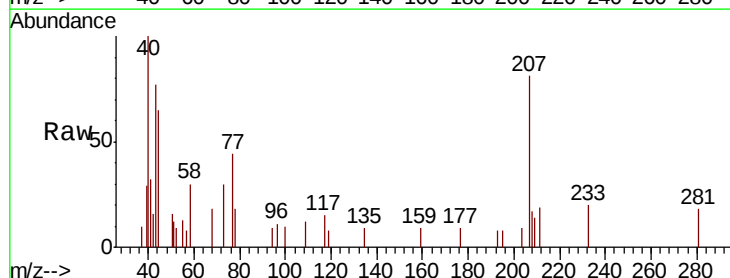
Acq: 7 May 2019 14:09

Tgt Ion: 43 Resp: 2563

Ion Ratio Lower Upper

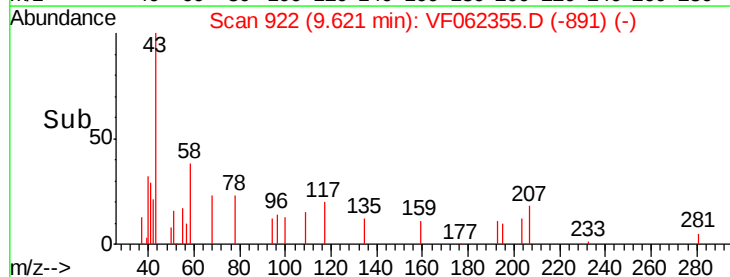
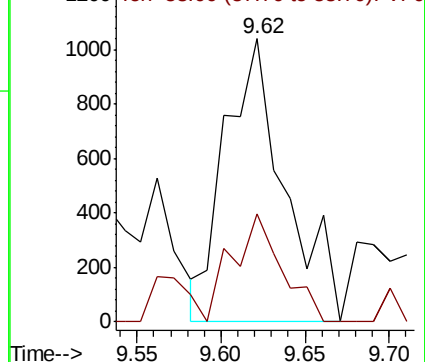
43 100

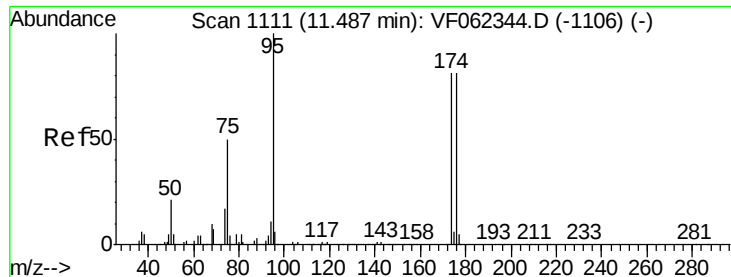
58 31.7 24.3 73.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 32.083 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF062355.D

Acq: 7 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

OK-02-050219

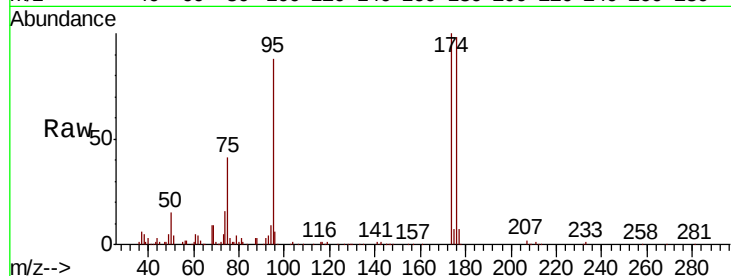
Tgt Ion: 95 Resp: 99362

Ion Ratio Lower Upper

95 100

174 101.3 0.0 191.8

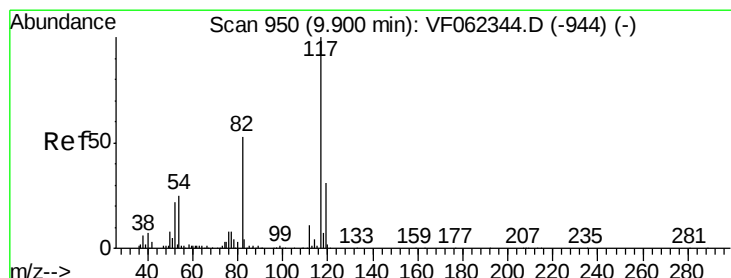
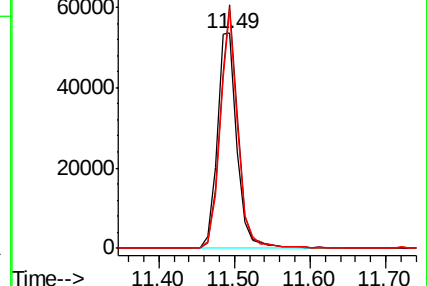
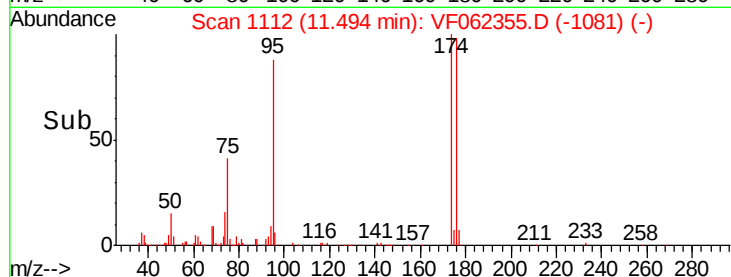
176 97.4 0.0 193.2



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 950

Delta R.T. -0.00 min

Lab File: VF062355.D

Acq: 7 May 2019 14:09

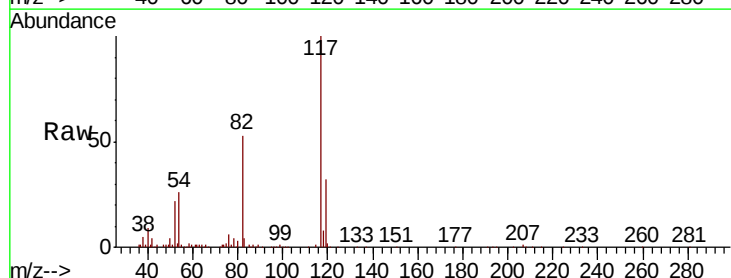
Tgt Ion: 117 Resp: 250741

Ion Ratio Lower Upper

117 100

82 53.0 42.2 63.2

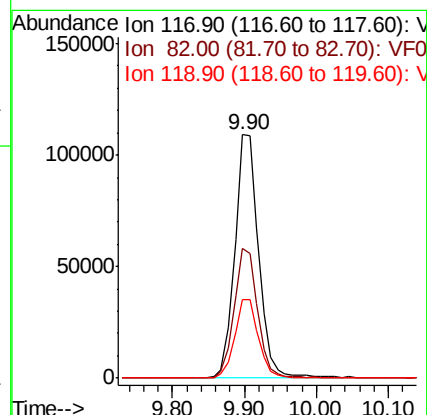
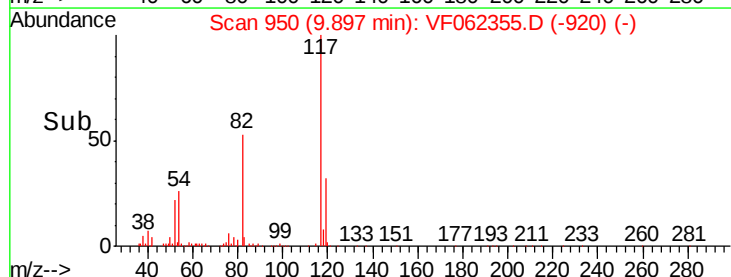
119 31.9 25.0 37.4

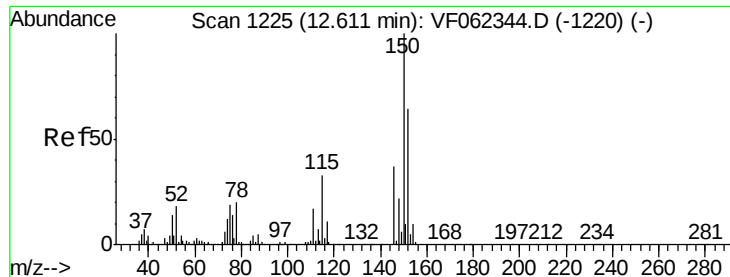


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VF062355.D

Acq: 7 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

OK-02-050219

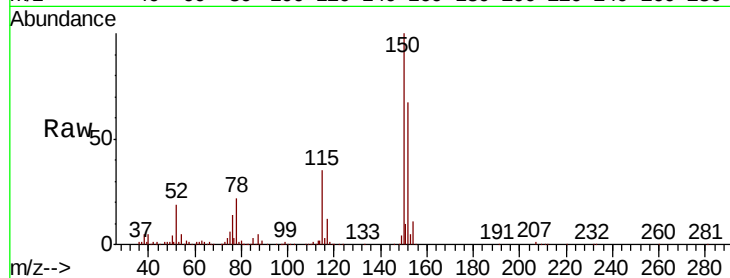
Tgt Ion:152 Resp: 127221

Ion Ratio Lower Upper

152 100

115 55.7 26.4 79.2

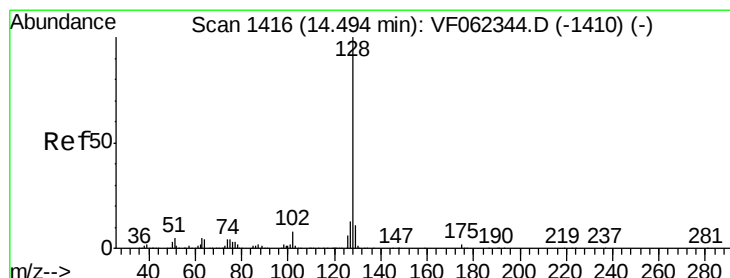
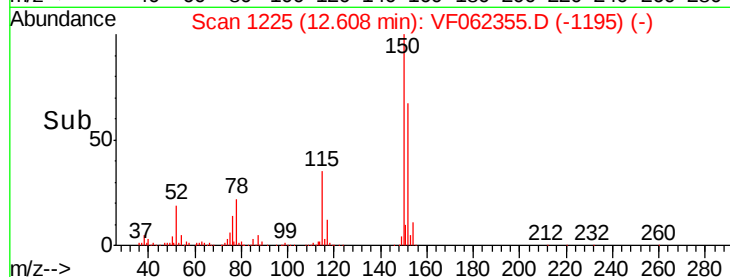
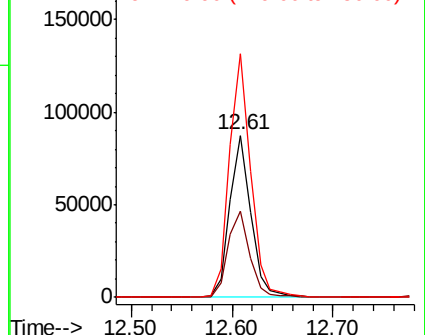
150 151.6 0.0 335.0



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



#95

Naphthalene

Concen: 1.145 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF062355.D

Acq: 7 May 2019 14:09

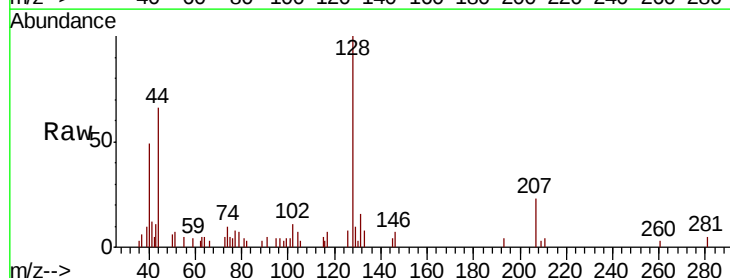
Tgt Ion:128 Resp: 5402

Ion Ratio Lower Upper

128 100

127 7.2 10.5 15.7#

129 17.2 8.6 12.8#



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

