

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062509.D
 Acq On : 12 May 2019 18:05
 Operator : FY/SY
 Sample : K2719-16
 Misc : 6.44g/5mL/MSVOA F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P026-SS010-1218-01RE

Quant Time: May 13 04:47:49 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	5.08	168	162984	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.80	114	205547	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	137369	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	53781	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	58893	38.24	ug/l	0.03
Spiked Amount	50.000		Recovery	=	76.48%	
35) Dibromofluoromethane	4.33	113	74412	45.44	ug/l	0.03
Spiked Amount	50.000		Recovery	=	90.88%	
50) Toluene-d8	7.73	98	136322	34.39	ug/l	0.03
Spiked Amount	50.000		Recovery	=	68.78%	
62) 4-Bromofluorobenzene	11.51	95	44122	24.67	ug/l	0.02
Spiked Amount	50.000		Recovery	=	49.34%	

Target Compounds

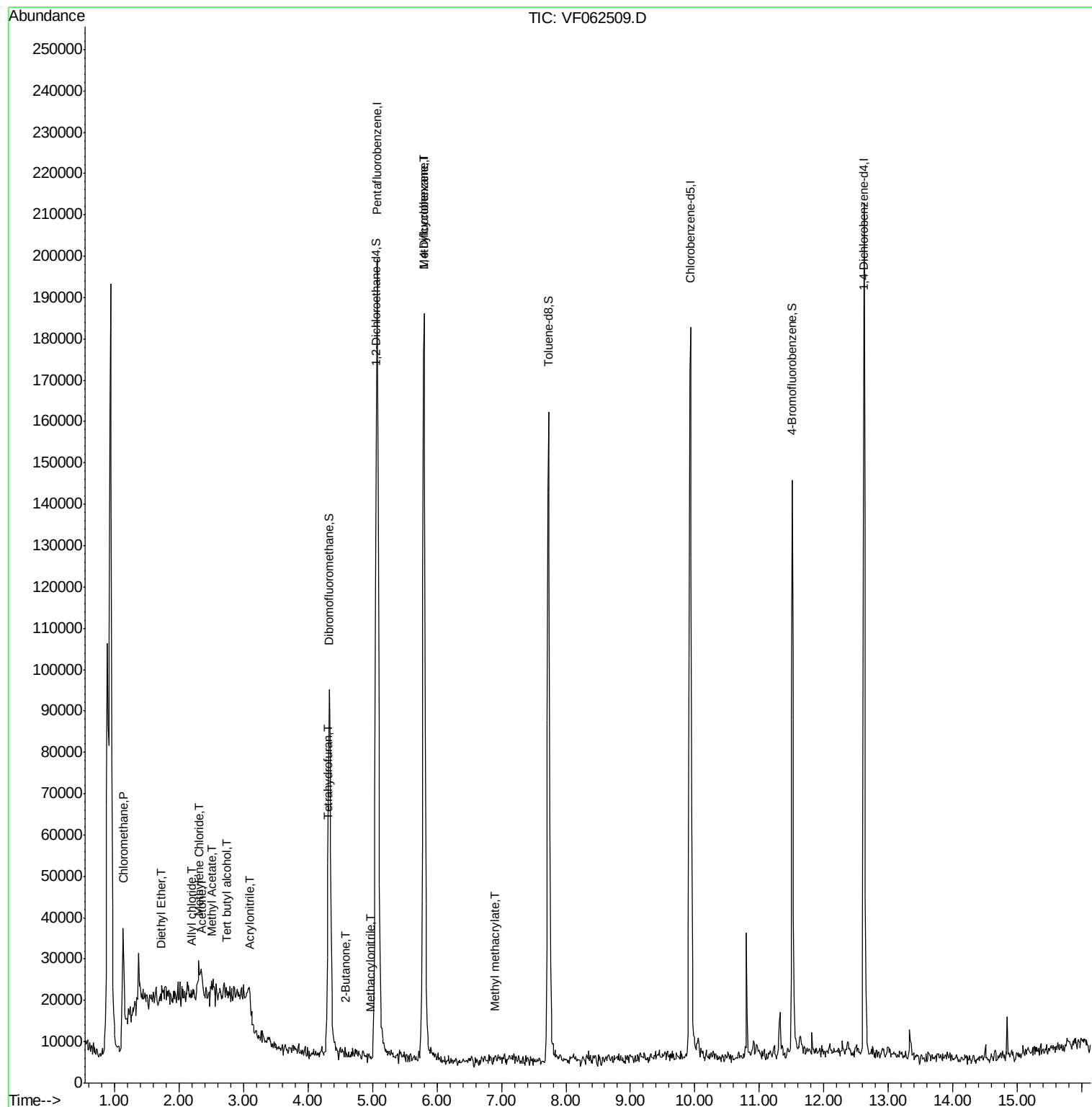
					Qvalue	
3) Chloromethane	1.14	50	1493	1.200	ug/l #	67
5) Bromomethane	1.43	94	571	Below Cal	#	41
8) Diethyl Ether	1.72	74	499	1.281	ug/l	85
11) Tert butyl alcohol	2.73	59	451	5.181	ug/l #	70
13) Acrolein	2.11	56	685	Below Cal		97
14) Allyl chloride	2.19	41	1134	1.027	ug/l #	50
15) Acrylonitrile	3.11	53	1065	6.459	ug/l #	28
16) Acetone	2.37	43	5405	17.347	ug/l #	79
18) Methyl Acetate	2.51	43	4388	4.897	ug/l #	61
20) Methylene Chloride	2.30	84	5216	4.627	ug/l #	63
25) 2-Butanone	4.59	43	949	2.424	ug/l #	60
29) Tetrahydrofuran	4.30	42	278	1.545	ug/l #	55
37) Ethyl Acetate	4.32	43	917	Below Cal	#	73
38) Carbon Tetrachloride	4.21	117	132	Below Cal	#	14
39) Methylcyclohexane	5.81	83	4233	2.390	ug/l #	47
41) Methacrylonitrile	4.98	41	540	1.275	ug/l #	32
48) Methyl methacrylate	6.90	41	707	1.246	ug/l #	36
49) 1,4-Dioxane	6.85	88	63	Below Cal	#	16

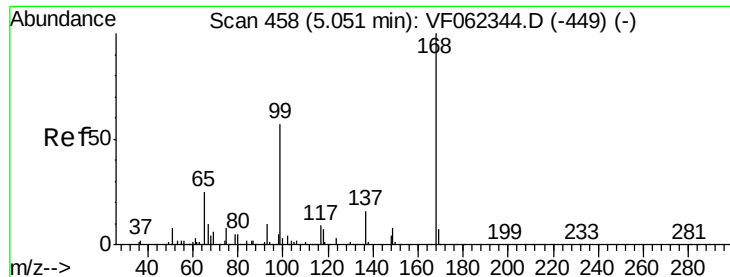
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051219\
Data File : VF062509.D
Acq On : 12 May 2019 18:05
Operator : FY/SY
Sample : K2719-16
Misc : 6.44g/5mL/MSVOA F/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
P026-SS010-1218-01RE

Quant Time: May 13 04:47:49 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: 5.08 min Scan# 461

Delta R.T. 0.03 min

Lab File: VF062509.D

Acq: 12 May 2019 18:05

Instrument :

MSVOA_F

ClientSampleId :

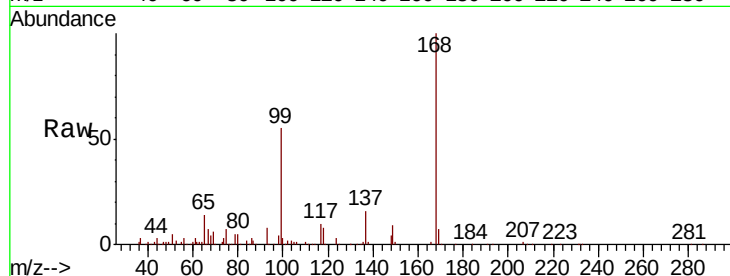
P026-SS010-1218-01RE

Tot Ion:168 Resp: 162984

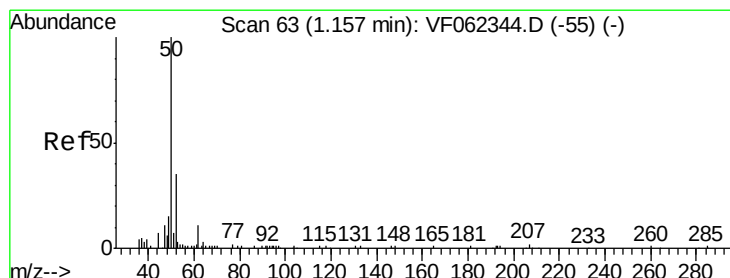
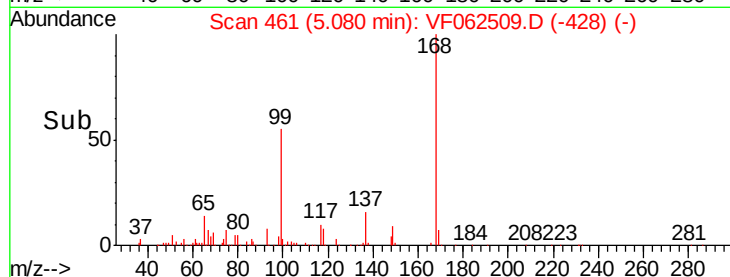
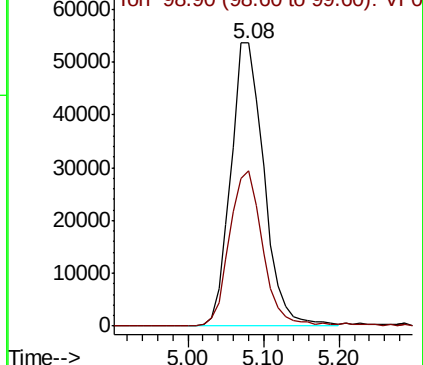
Ion Ratio Lower Upper

168 100

99 54.8 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0



#3

Chloromethane

Concen: 1.200 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.02 min

Lab File: VF062509.D

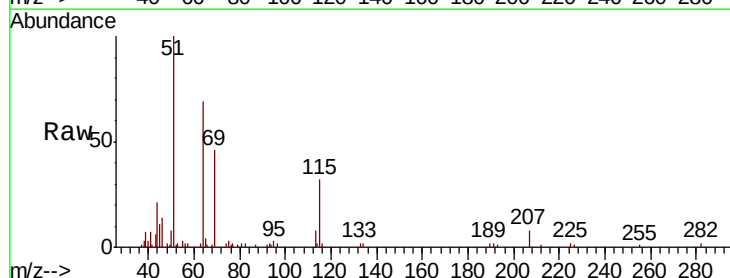
Acq: 12 May 2019 18:05

Tgt Ion: 50 Resp: 1493

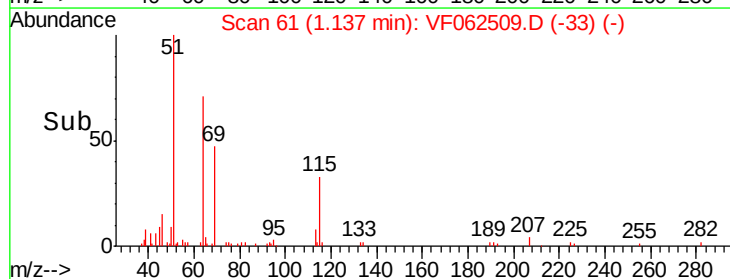
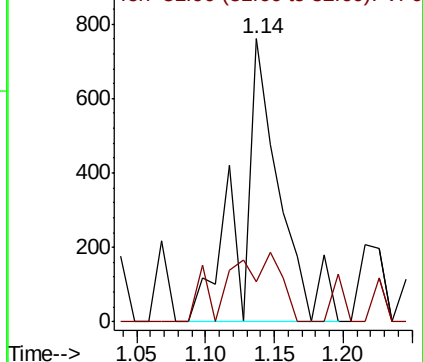
Ion Ratio Lower Upper

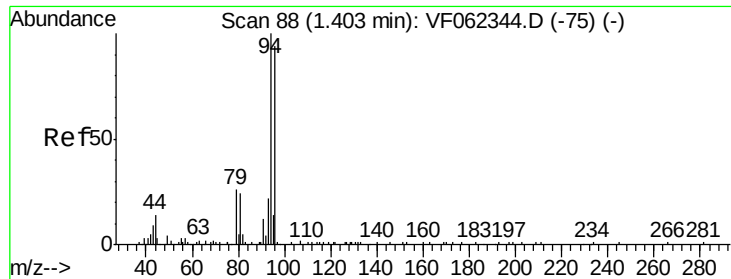
50 100

52 14.2 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VF0





#5

Bromomethane

Concen: Below Cal

RT: 1.43 min Scan# 91

Delta R.T. 0.03 min

Lab File: VF062509.D

Acq: 12 May 2019 18:05

Instrument :

MSVOA_F

ClientSampleId :

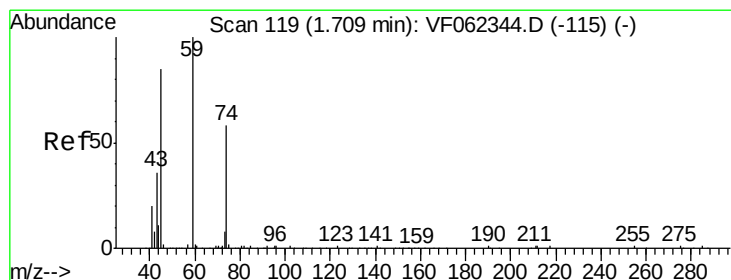
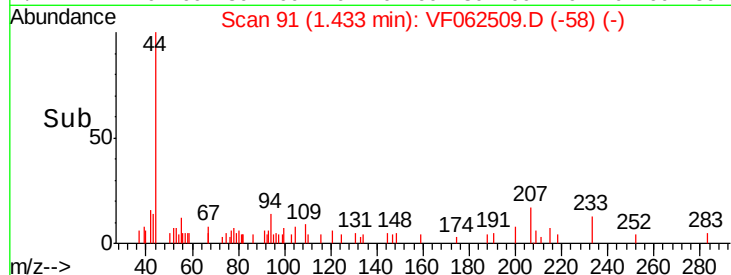
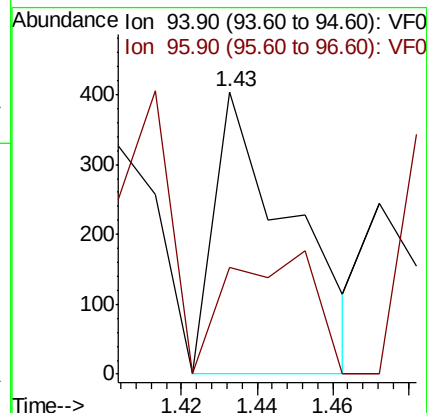
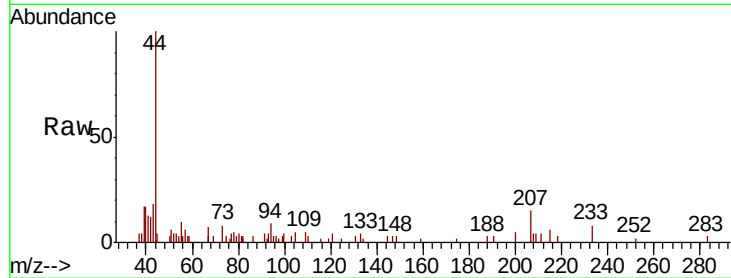
P026-SS010-1218-01RE

Tot Ion: 94 Resp: 571

Ion Ratio Lower Upper

94 100

96 37.6 75.4 113.2#



#8

Diethyl Ether

Concen: 1.281 ug/l

RT: 1.72 min Scan# 120

Delta R.T. 0.01 min

Lab File: VF062509.D

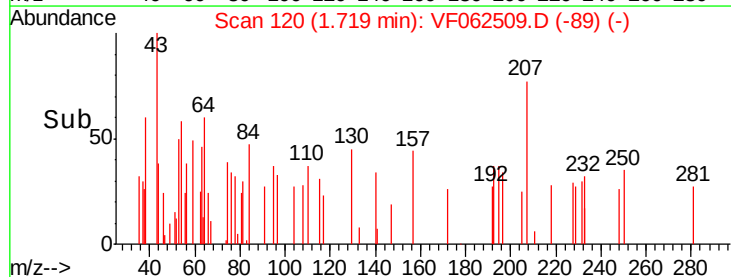
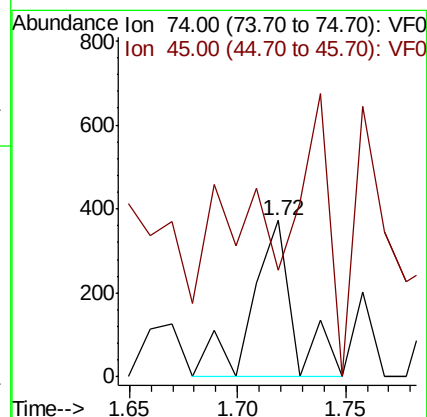
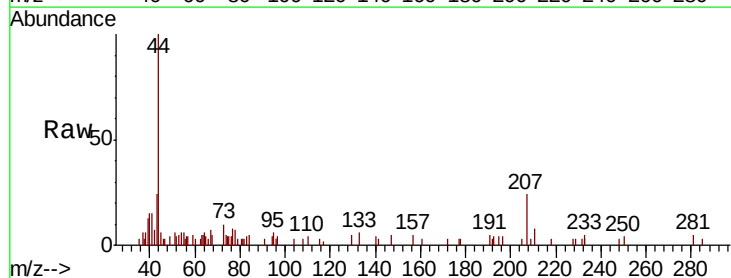
Acq: 12 May 2019 18:05

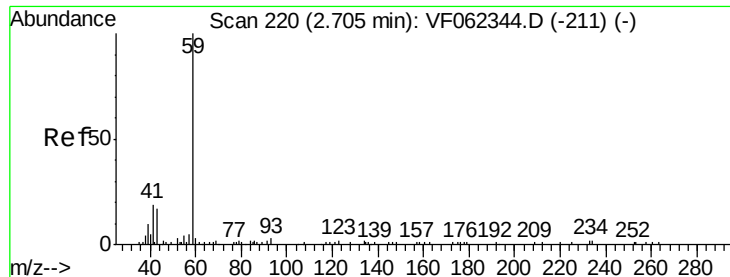
Tgt Ion: 74 Resp: 499

Ion Ratio Lower Upper

74 100

45 129.1 73.9 221.6



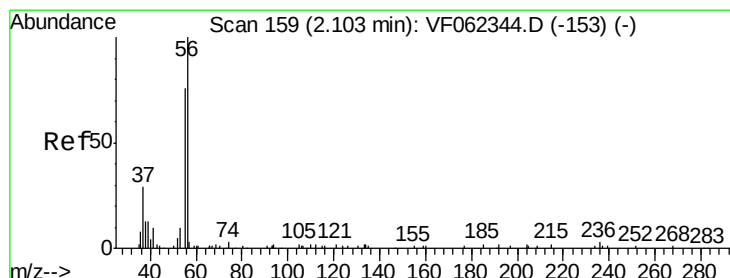
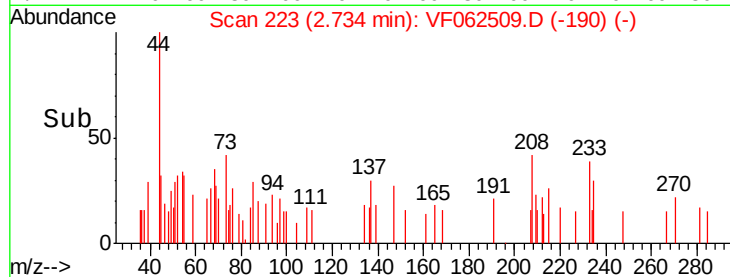
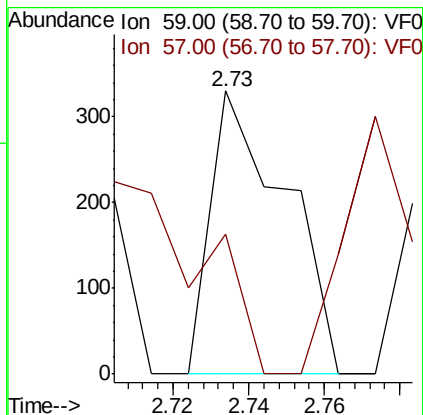
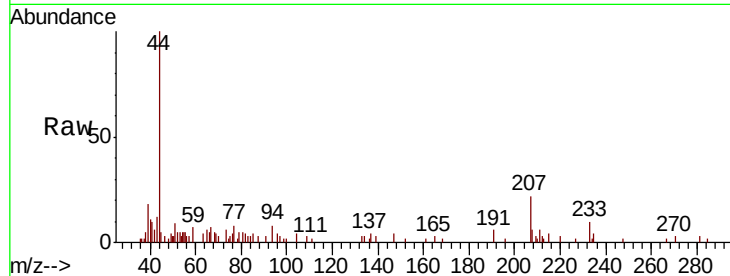


#11

Tert butyl alcohol
Concen: 5.181 ug/l
RT: 2.73 min Scan# 223
Delta R.T. 0.03 min
Lab File: VF062509.D
Acq: 12 May 2019 18:05

Instrument :
MSVOA_F
ClientSampleId :
P026-SS010-1218-01RE

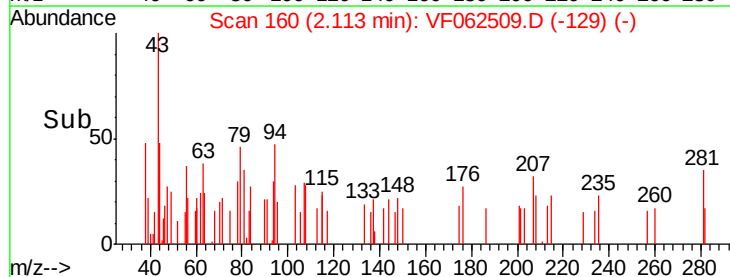
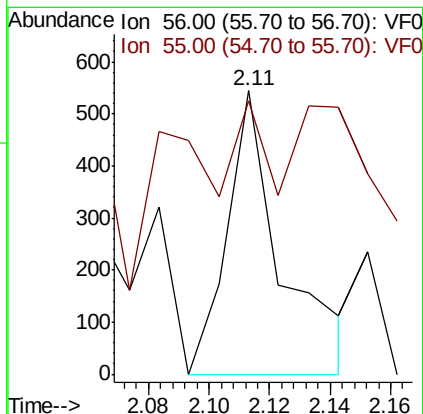
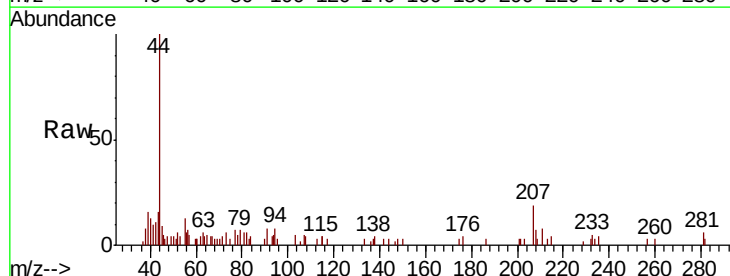
Tot Ion: 59 Resp: 451
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

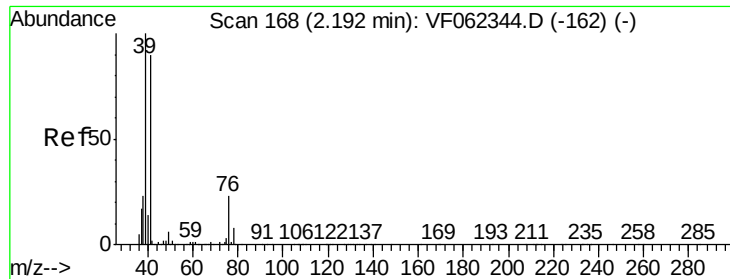


#13

Acrolein
Concen: Below Cal
RT: 2.11 min Scan# 160
Delta R.T. 0.01 min
Lab File: VF062509.D
Acq: 12 May 2019 18:05

Tgt Ion: 56 Resp: 685
Ion Ratio Lower Upper
56 100
55 70.2 58.4 87.6

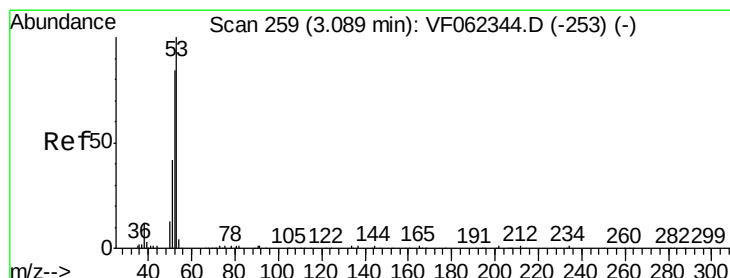
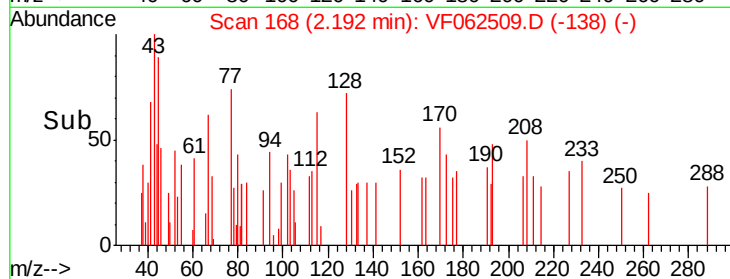
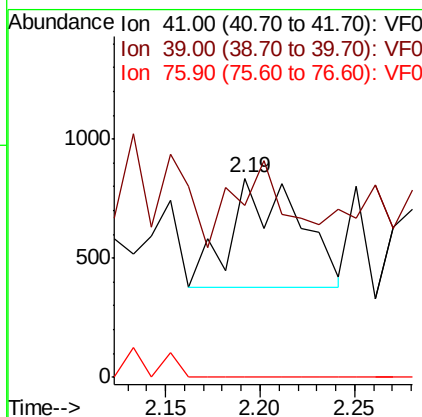
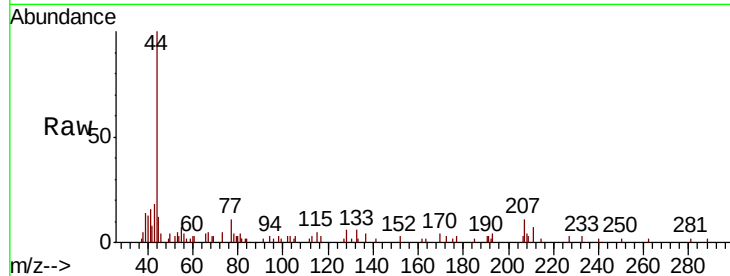




#14
Allvl chloride
Concen: 1.027 ug/l
RT: 2.19 min Scan# 168
Delta R.T. -0.00 min
Lab File: VF062509.D
Acq: 12 May 2019 18:05

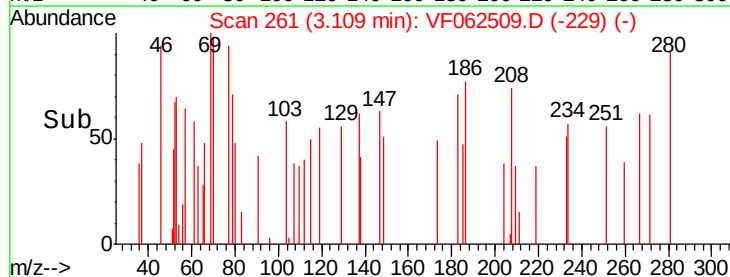
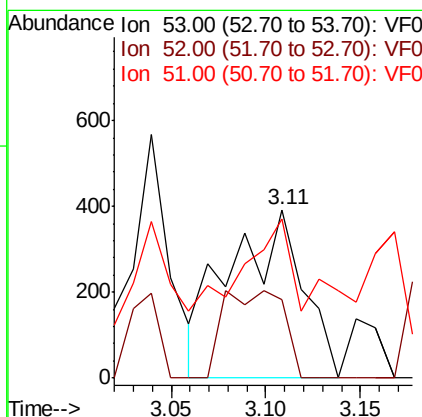
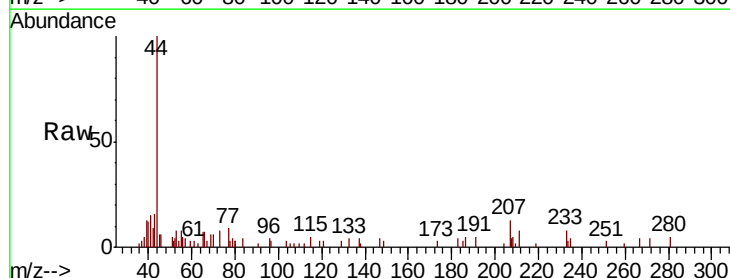
Instrument :
MSVOA_F
ClientSampleId :
P026-SS010-1218-01RE

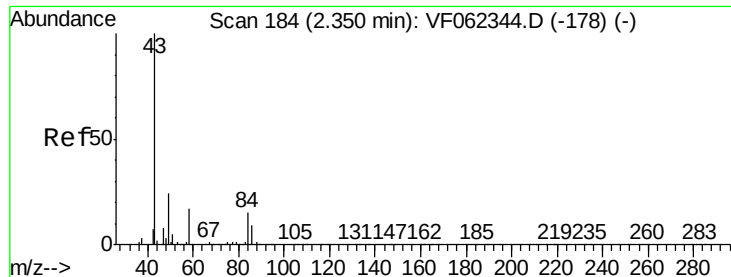
Tot Ion: 41 Resp: 1134
Ion Ratio Lower Upper
41 100
39 60.8 90.8 136.2#
76 0.0 22.2 33.4#



#15
Acrylonitrile
Concen: 6.459 ug/l
RT: 3.11 min Scan# 261
Delta R.T. 0.02 min
Lab File: VF062509.D
Acq: 12 May 2019 18:05

Tgt Ion: 53 Resp: 1065
Ion Ratio Lower Upper
53 100
52 0.0 77.2 115.8#
51 65.0 40.6 61.0#

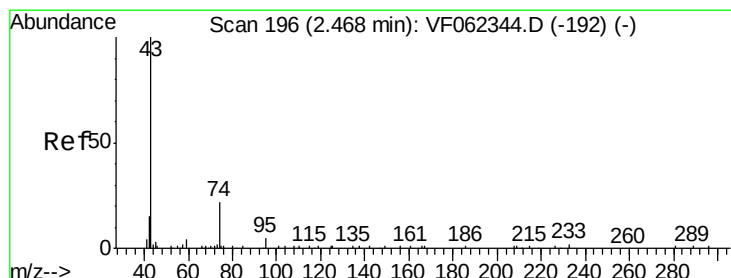
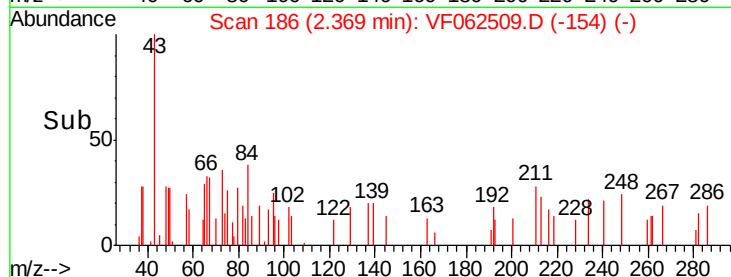
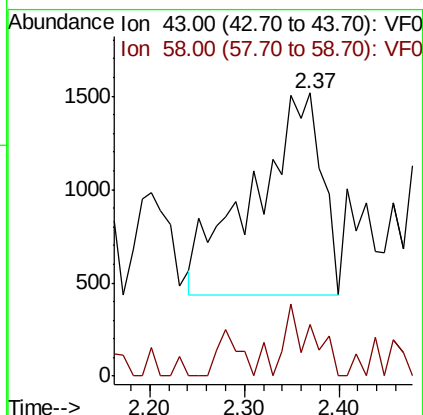
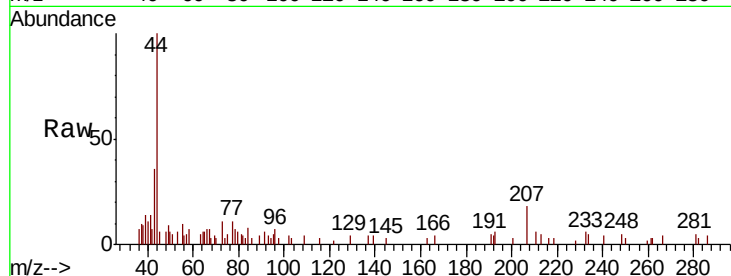




#16
Acetone
Concen: 17.347 ug/l
RT: 2.37 min Scan# 186
Delta R.T. 0.02 min
Lab File: VF062509.D
Acq: 12 May 2019 18:05

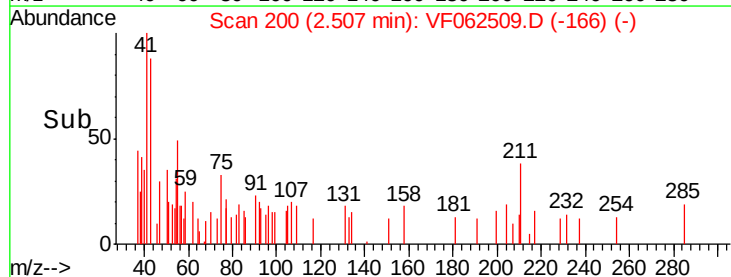
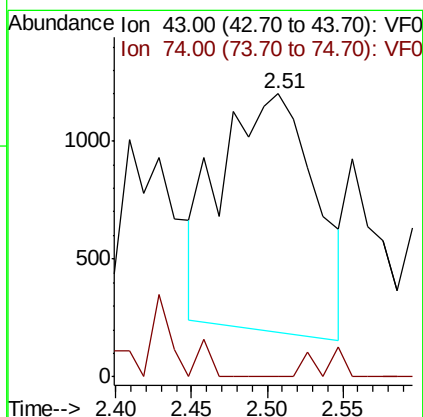
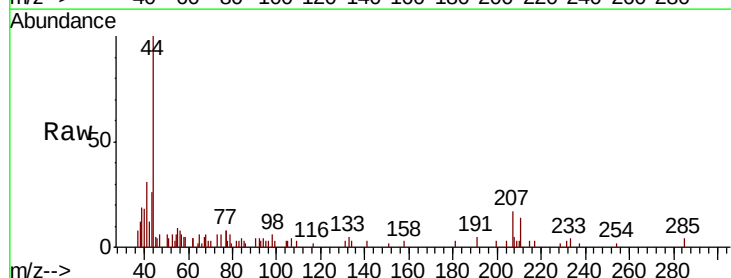
Instrument :
MSVOA_F
ClientSampleId :
P026-SS010-1218-01RE

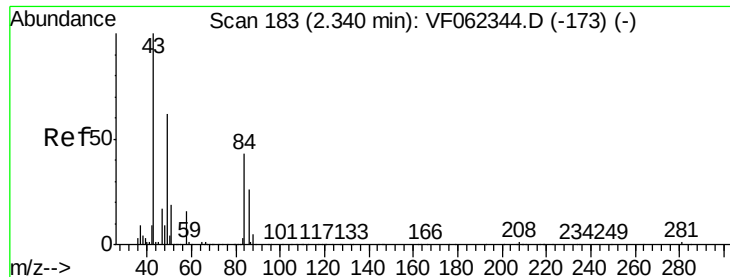
Tot Ion: 43 Resp: 5405
Ion Ratio Lower Upper
43 100
58 25.4 13.1 19.7#



#18
Methyl Acetate
Concen: 4.897 ug/l
RT: 2.51 min Scan# 200
Delta R.T. 0.04 min
Lab File: VF062509.D
Acq: 12 May 2019 18:05

Tgt Ion: 43 Resp: 4388
Ion Ratio Lower Upper
43 100
74 1.4 15.0 22.4#

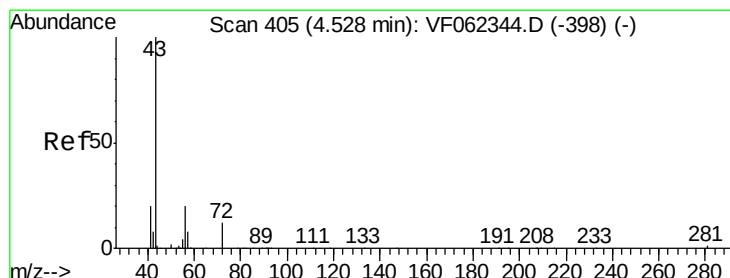
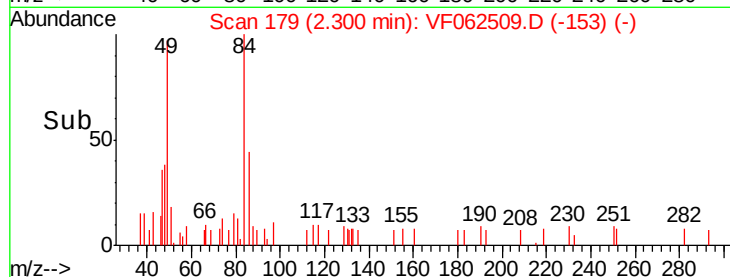
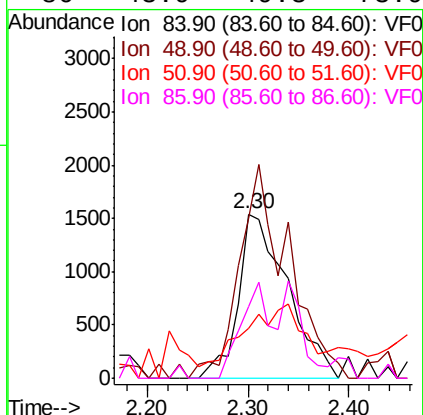
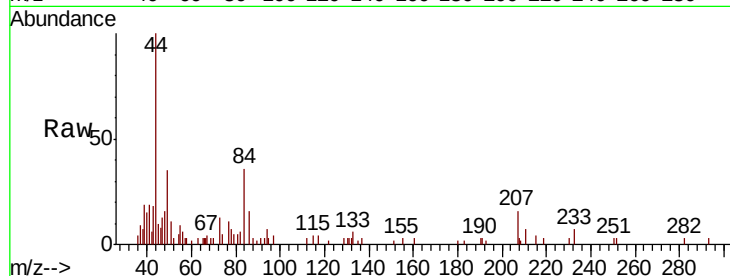




#20
Methylene Chloride
Concen: 4.627 ug/l
RT: 2.30 min Scan# 179
Delta R.T. -0.04 min
Lab File: VF062509.D
Acq: 12 May 2019 18:05

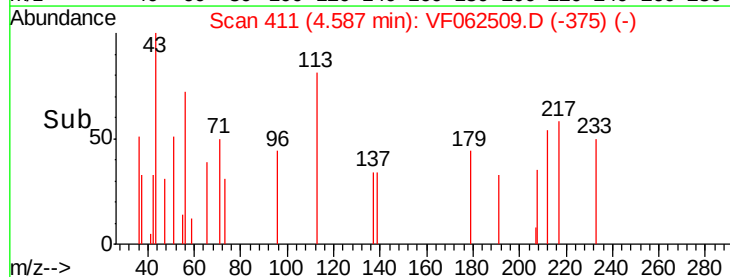
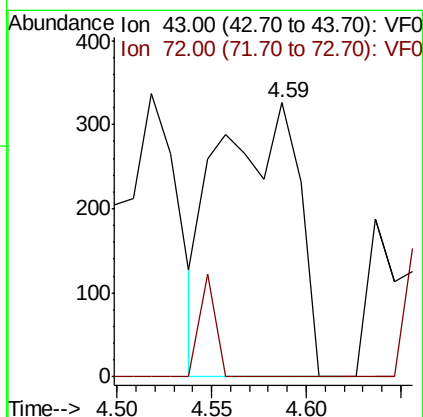
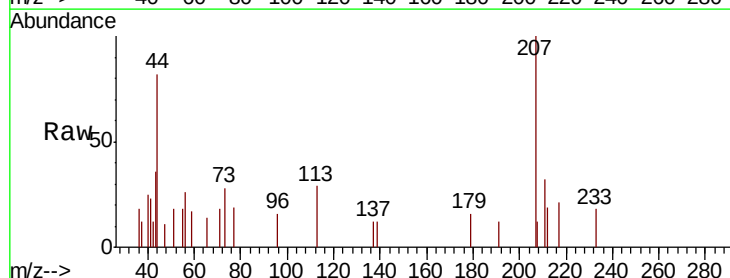
Instrument :
MSVOA_F
ClientSampleId :
P026-SS010-1218-01RE

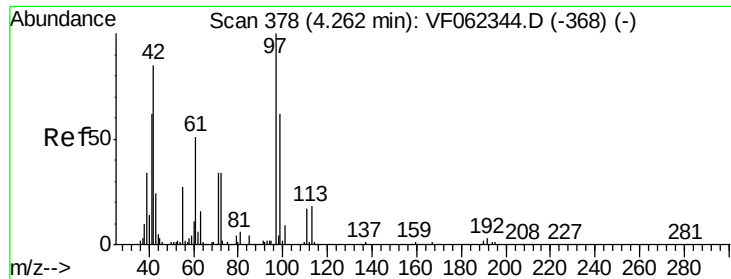
Tot Ion: 84 Resp: 5216
Ion Ratio Lower Upper
84 100
49 97.2 117.5 176.3#
51 16.2 37.0 55.4#
86 43.9 49.3 73.9#



#25
2-Butanone
Concen: 2.424 ug/l
RT: 4.59 min Scan# 411
Delta R.T. 0.06 min
Lab File: VF062509.D
Acq: 12 May 2019 18:05

Tgt Ion: 43 Resp: 949
Ion Ratio Lower Upper
43 100
72 0.0 14.2 21.4#





#29

Tetrahydrofuran

Concen: 1.545 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.04 min

Lab File: VF062509.D

Acq: 12 May 2019 18:05

Instrument :

MSVOA_F

ClientSampleId :

P026-SS010-1218-01RE

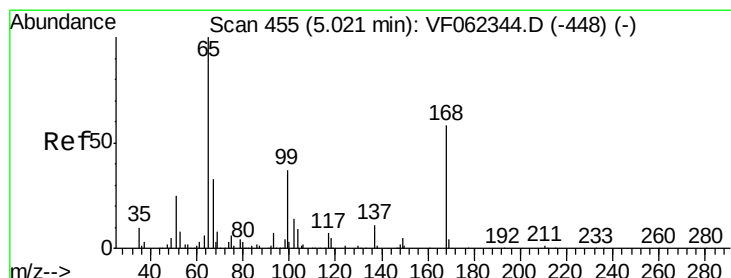
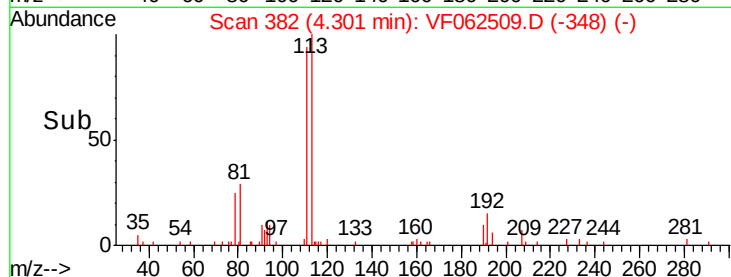
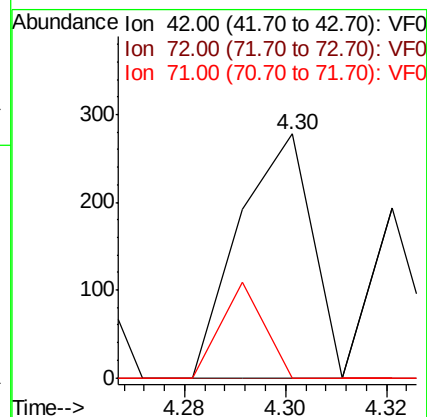
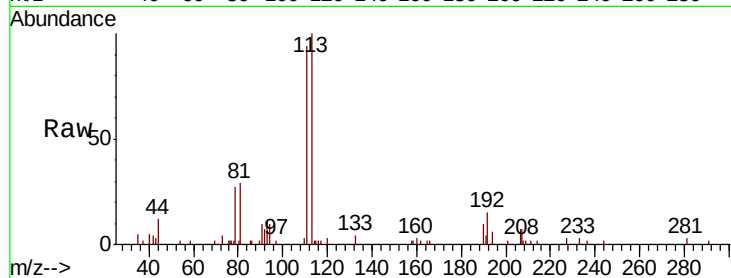
Tot Ion: 42 Resp: 278

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

71 23.0 31.7 47.5#



#33

1,2-Dichloroethane-d4

Concen: 38.236 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.03 min

Lab File: VF062509.D

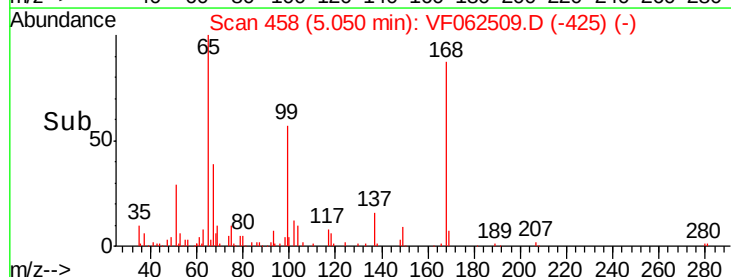
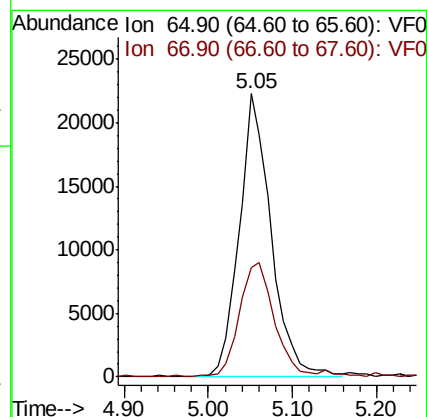
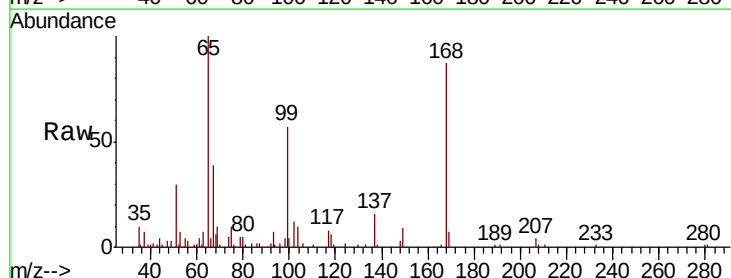
Acq: 12 May 2019 18:05

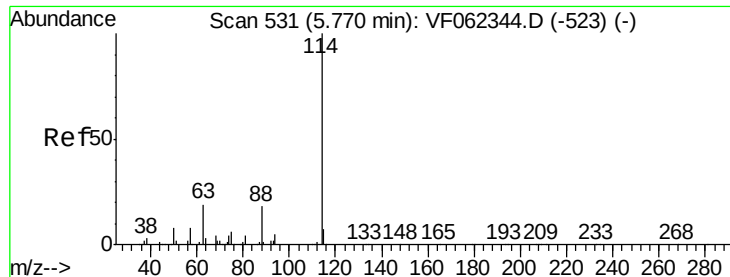
Tgt Ion: 65 Resp: 58893

Ion Ratio Lower Upper

65 100

67 44.0 0.0 85.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.03 min

Lab File: VF062509.D

Acq: 12 May 2019 18:05

Instrument :

MSVOA_F

ClientSampleId :

P026-SS010-1218-01RE

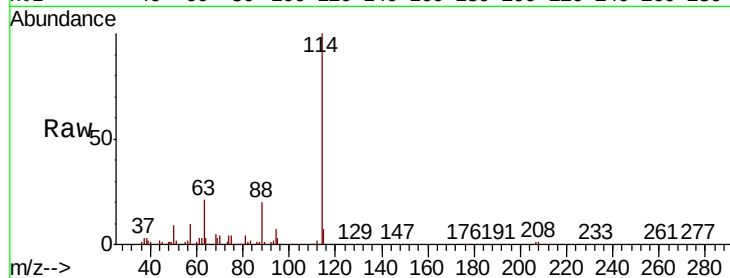
Tot Ion:114 Resp: 205547

Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.4

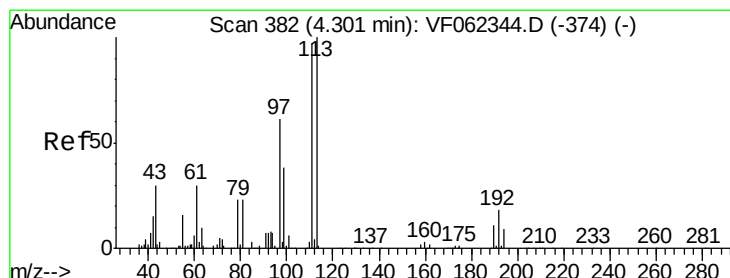
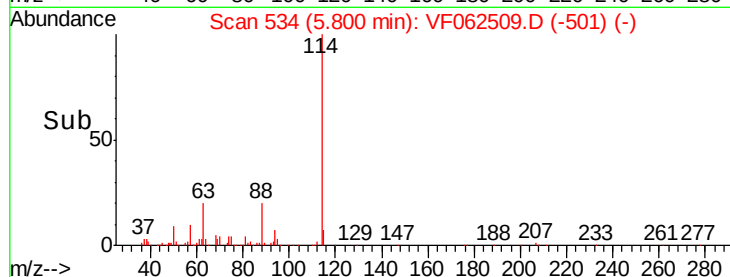
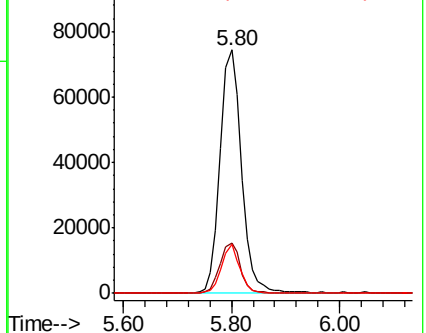
88 20.0 0.0 36.4



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: 45.441 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.03 min

Lab File: VF062509.D

Acq: 12 May 2019 18:05

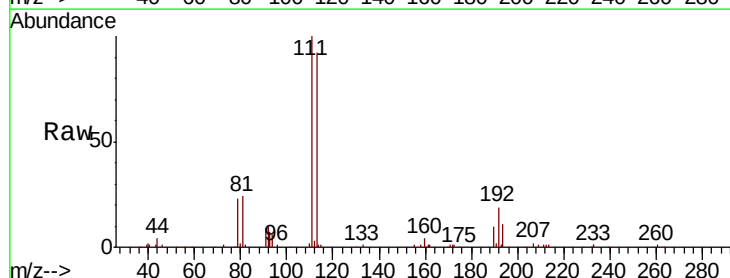
Tgt Ion:113 Resp: 74412

Ion Ratio Lower Upper

113 100

111 100.4 79.4 119.0

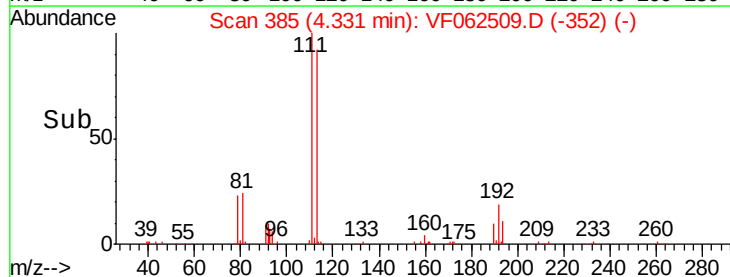
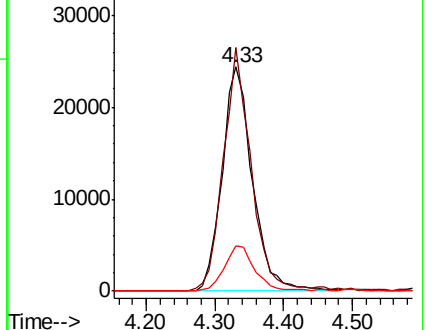
192 20.2 16.0 24.0

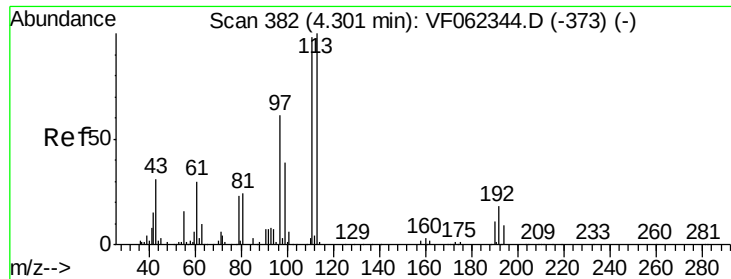


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

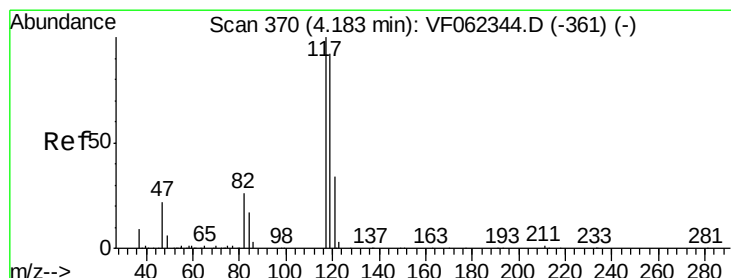
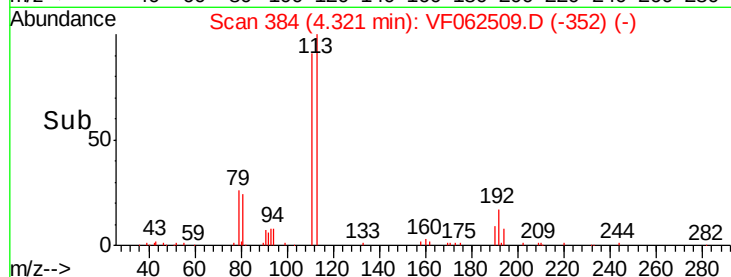
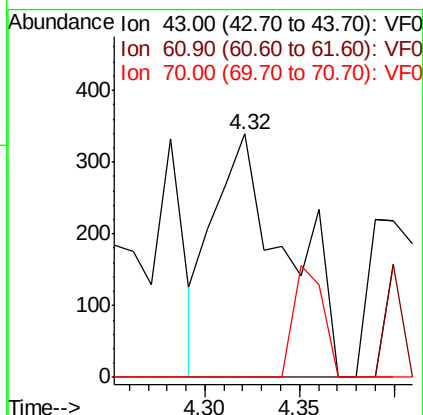
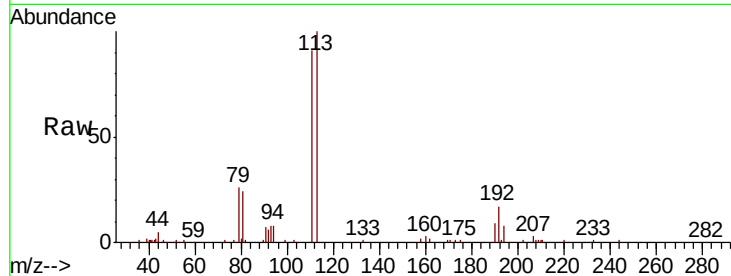




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.32 min Scan# 384
Delta R.T. 0.02 min
Lab File: VF062509.D
Acq: 12 May 2019 18:05

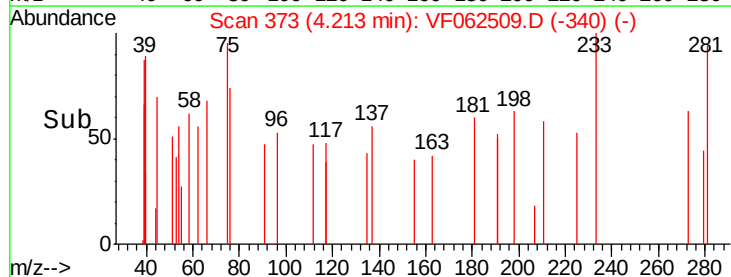
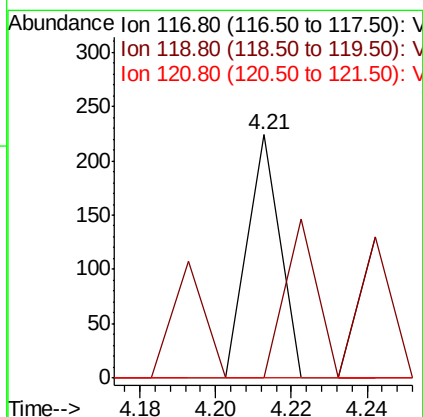
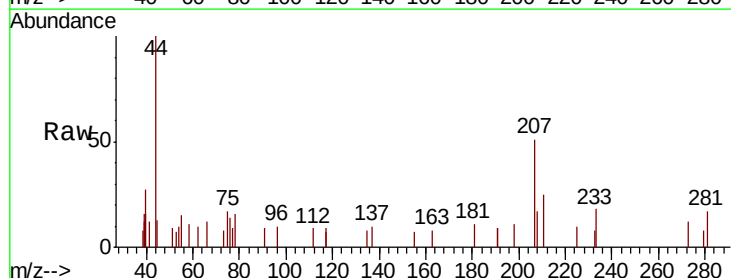
Instrument :
MSVOA_F
ClientSampleId :
P026-SS010-1218-01RE

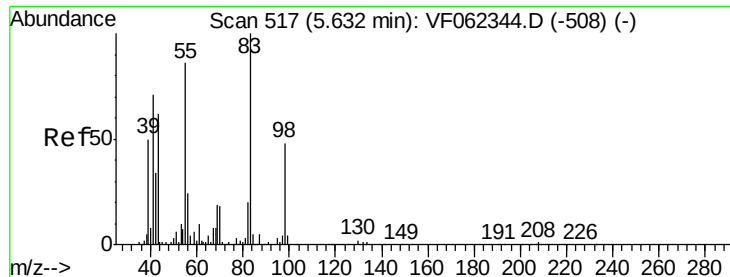
Tot Ion: 43 Resp: 917
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 0.0 8.2 12.2#



#38
Carbon Tetrachloride
Concen: Below Cal
RT: 4.21 min Scan# 373
Delta R.T. 0.03 min
Lab File: VF062509.D
Acq: 12 May 2019 18:05

Tgt Ion: 117 Resp: 132
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.2#
121 0.0 27.4 41.0#

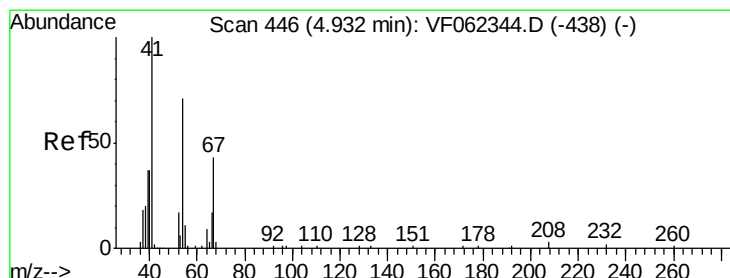
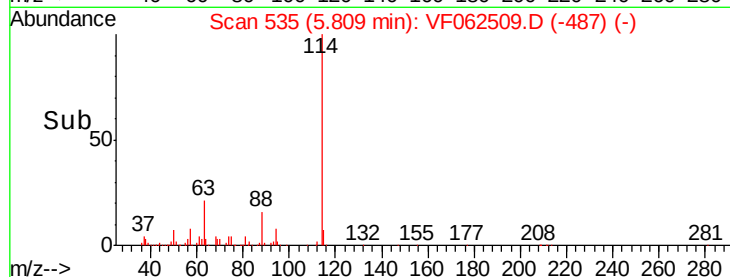
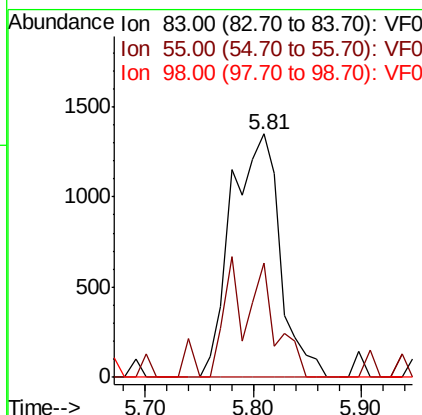
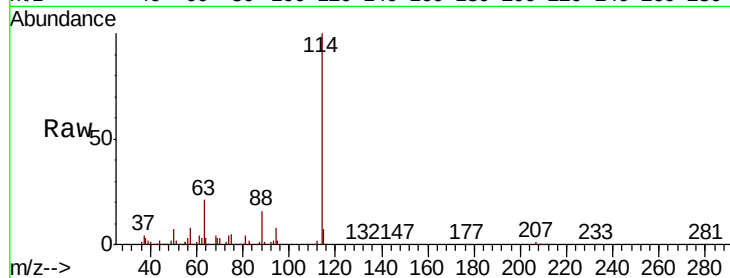




#39
Methylcyclohexane
Concen: 2.390 ug/l
RT: 5.81 min Scan# 535
Delta R.T. 0.18 min
Lab File: VF062509.D
Acq: 12 May 2019 18:05

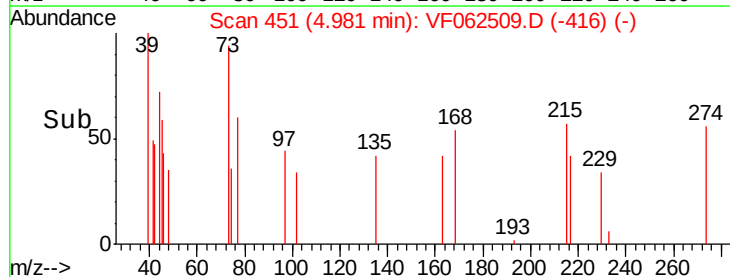
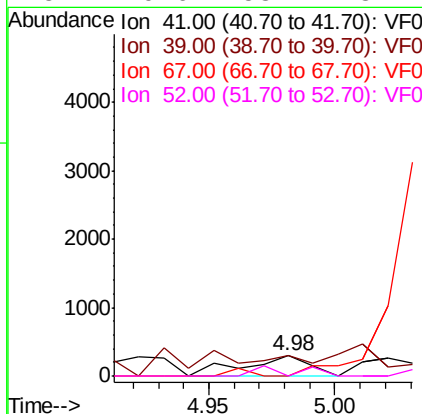
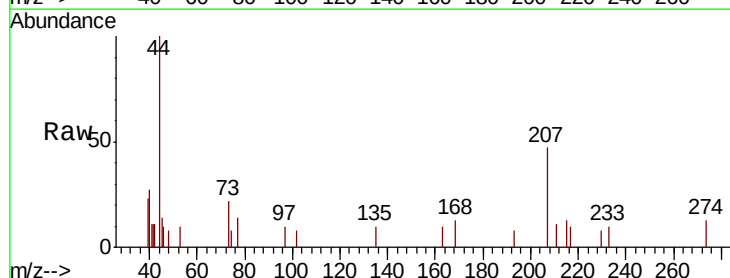
Instrument :
MSVOA_F
ClientSampleId :
P026-SS010-1218-01RE

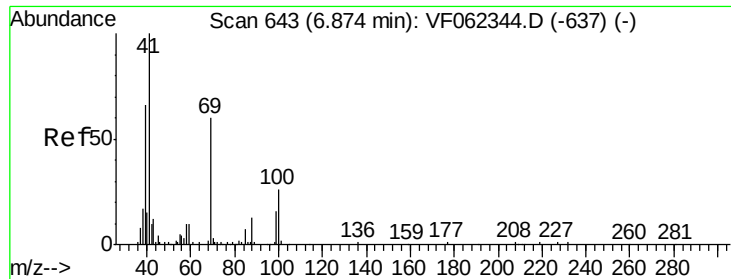
Tot Ion: 83 Resp: 4233
Ion Ratio Lower Upper
83 100
55 46.8 69.0 103.6#
98 0.0 38.6 58.0#



#41
Methacrylonitrile
Concen: 1.275 ug/l
RT: 4.98 min Scan# 451
Delta R.T. 0.05 min
Lab File: VF062509.D
Acq: 12 May 2019 18:05

Tgt Ion: 41 Resp: 540
Ion Ratio Lower Upper
41 100
39 0.0 54.3 81.5#
67 0.0 37.8 56.8#
52 29.6 58.2 87.4#





#48

Methyl methacrylate

Concen: 1.246 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.03 min

Lab File: VF062509.D

Acq: 12 May 2019 18:05

Instrument :

MSVOA_F

ClientSampleId :

P026-SS010-1218-01RE

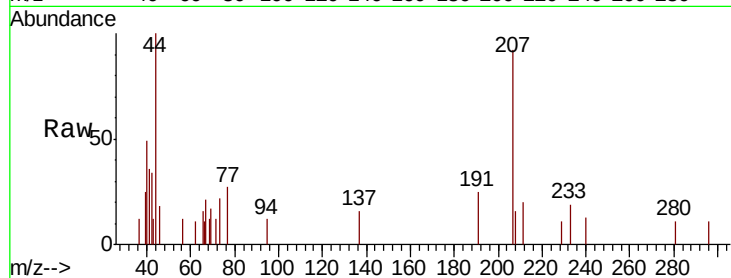
Tot Ion: 41 Resp: 707

Ion Ratio Lower Upper

41 100

69 30.3 48.6 72.8#

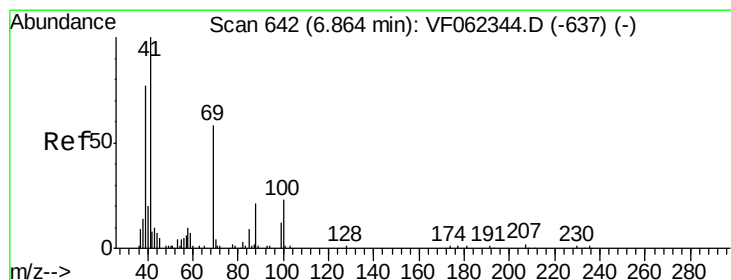
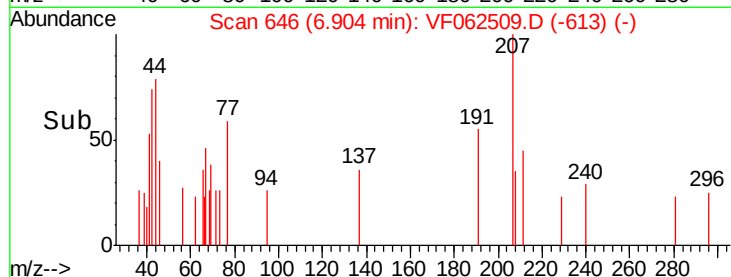
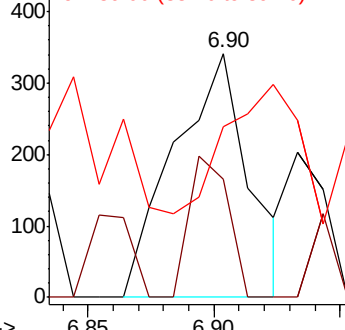
39 0.0 56.1 84.1#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#49

1,4-Dioxane

Concen: Below Cal

RT: 6.85 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF062509.D

Acq: 12 May 2019 18:05

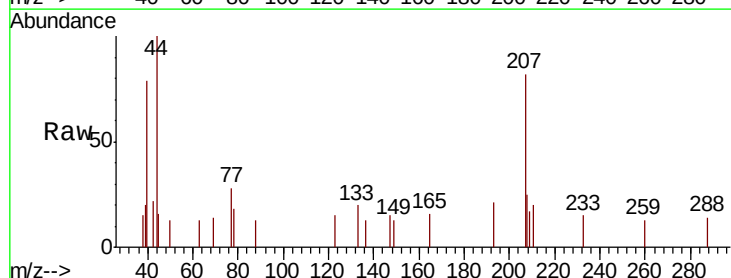
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 0.0 55.6 83.4#

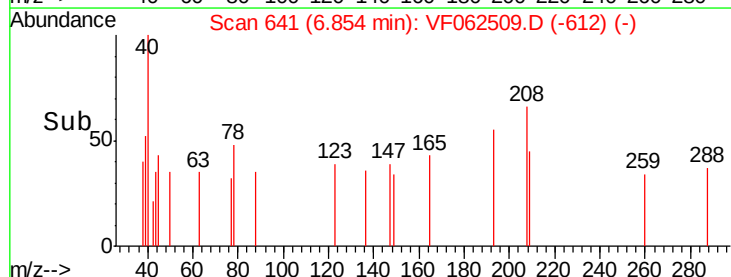
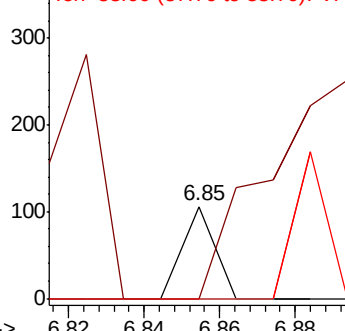
58 0.0 52.8 79.2#

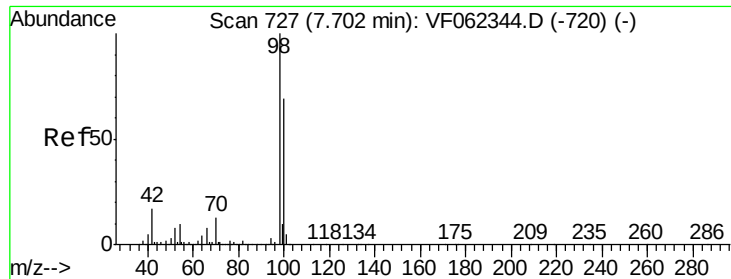


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

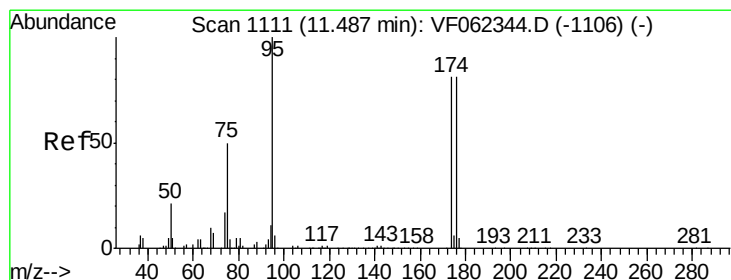
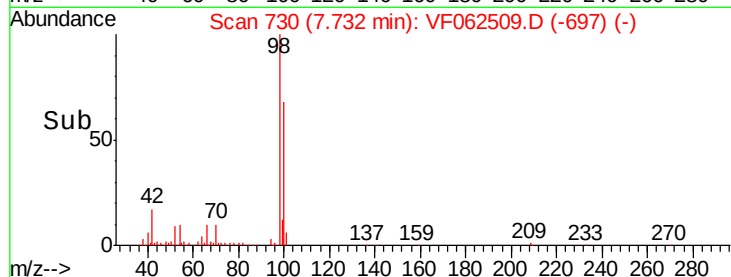
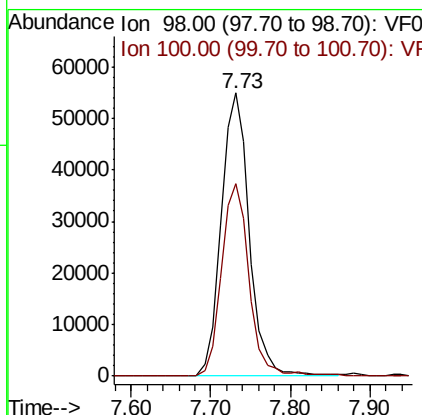
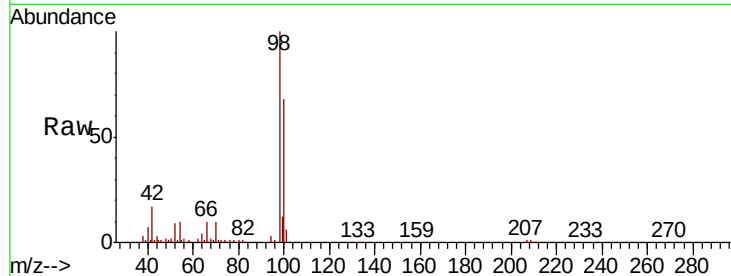




#50
Toluene-d8
Concen: 34.390 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.03 min
Lab File: VF062509.D
Acq: 12 May 2019 18:05

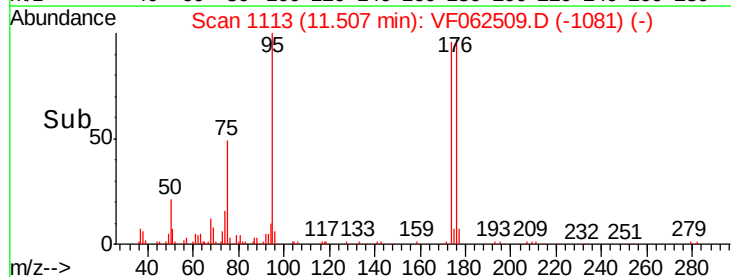
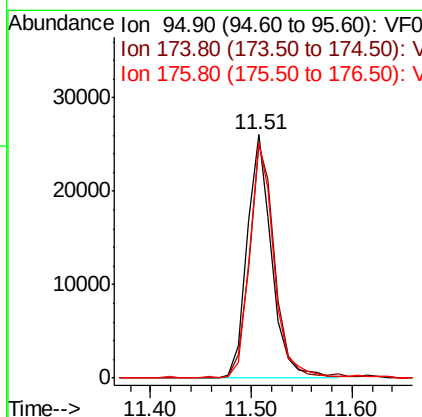
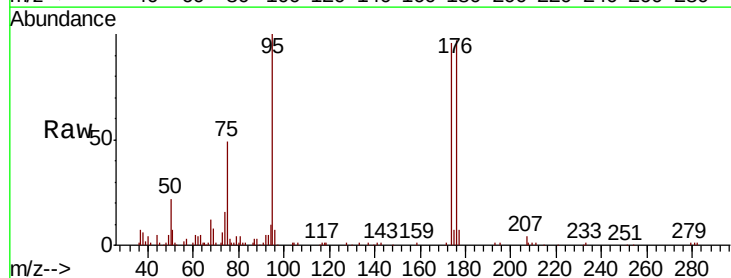
Instrument :
MSVOA_F
ClientSampleId :
P026-SS010-1218-01RE

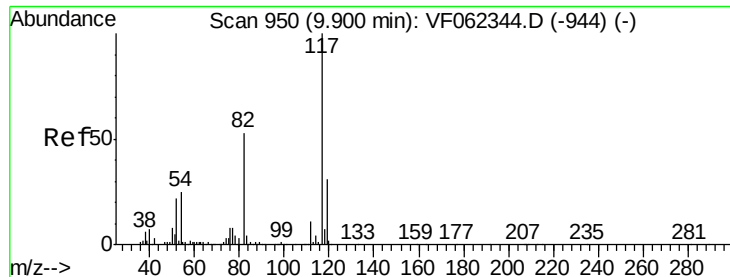
Tot Ion: 98 Resp: 136322
Ion Ratio Lower Upper
98 100
100 67.2 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 24.671 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VF062509.D
Acq: 12 May 2019 18:05

Tgt Ion: 95 Resp: 44122
Ion Ratio Lower Upper
95 100
174 100.4 0.0 191.8
176 98.2 0.0 193.2

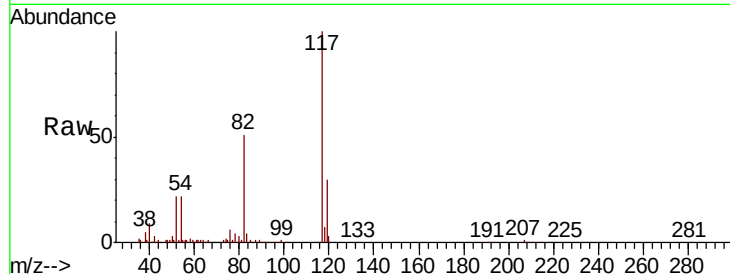




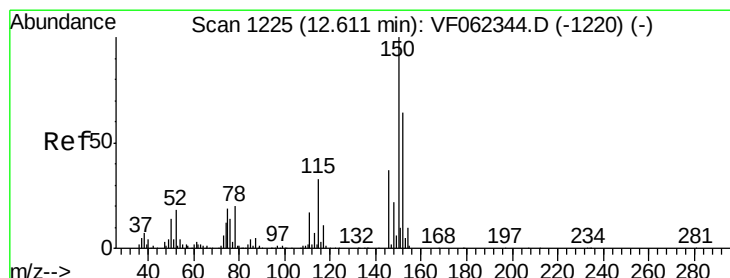
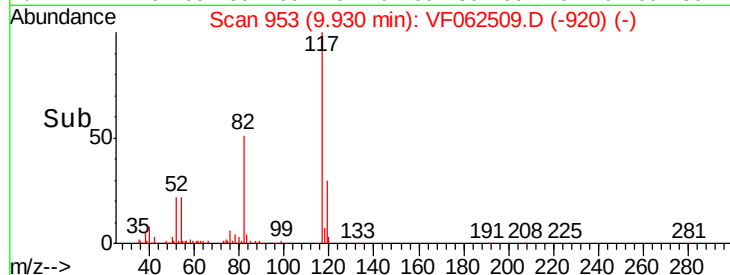
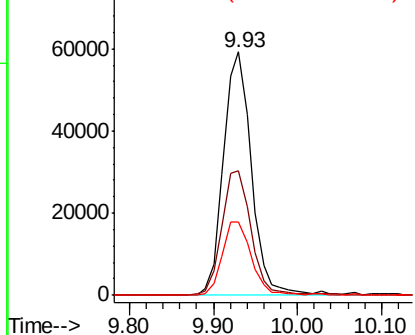
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.03 min
Lab File: VF062509.D
Acq: 12 May 2019 18:05

Instrument :
MSVOA_F
ClientSampleId :
P026-SS010-1218-01RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	42.2	63.2
119	29.9	25.0	37.4

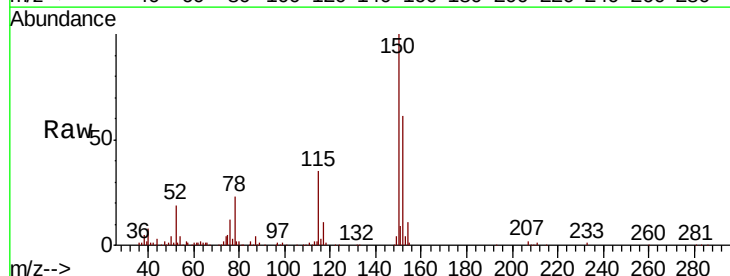


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062509.D
Acq: 12 May 2019 18:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	26.4	79.2
150	156.1	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

