

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051319\
 Data File : VF062552.D
 Acq On : 13 May 2019 20:07
 Operator : FY/SY
 Sample : K2733-06RE
 Misc : 6.14g/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS001-0612-01RE

Quant Time: May 14 07:04:23 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	274469	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.80	114	373455	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	268856	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	124092	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	122049	47.05	ug/l	0.03
Spiked Amount			Recovery	=	94.10%	
35) Dibromofluoromethane	4.33	113	142122	47.77	ug/l	0.03
Spiked Amount			Recovery	=	95.54%	
50) Toluene-d8	7.73	98	268179	37.24	ug/l	0.03
Spiked Amount			Recovery	=	74.48%	
62) 4-Bromofluorobenzene	11.51	95	97904	30.13	ug/l	0.02
Spiked Amount			Recovery	=	60.26%	

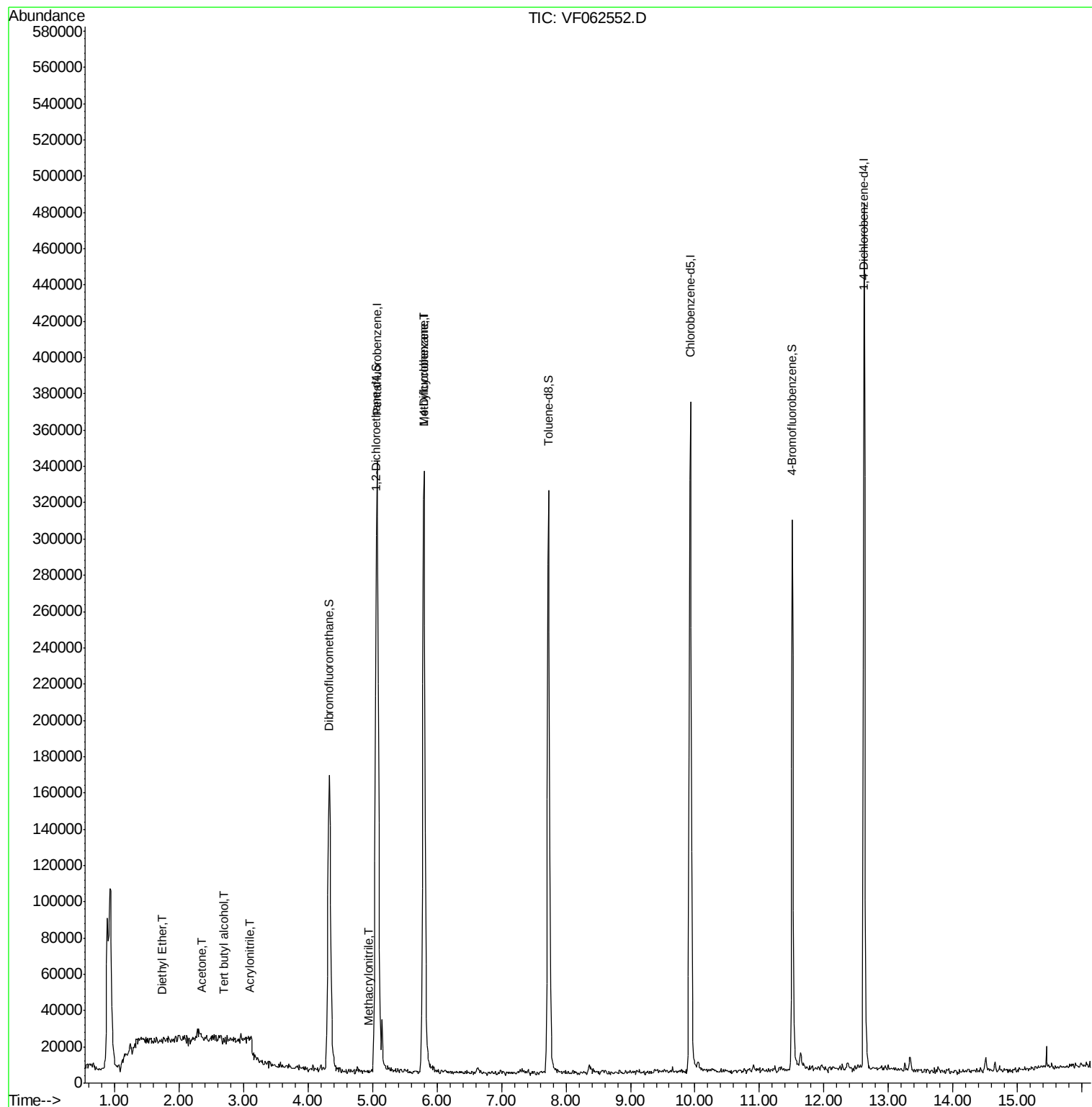
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.41	94	375	Below Cal	#	44
8) Diethyl Ether	1.73	74	702	1.070	ug/l	71
11) Tert butyl alcohol	2.69	59	846	5.771	ug/l #	1
13) Acrolein	2.10	56	120	Below Cal	#	1
15) Acrylonitrile	3.10	53	387	1.394	ug/l #	1
16) Acetone	2.37	43	2751	5.243	ug/l #	64
18) Methyl Acetate	2.51	43	1566	Below Cal	#	70
37) Ethyl Acetate	4.34	43	358	Below Cal	#	73
38) Carbon Tetrachloride	4.28	117	83	Below Cal	#	14
39) Methylcyclohexane	5.80	83	6135	1.907	ug/l #	36
41) Methacrylonitrile	4.94	41	851	1.106	ug/l #	42
49) 1,4-Dioxane	6.93	88	73	Below Cal	#	1

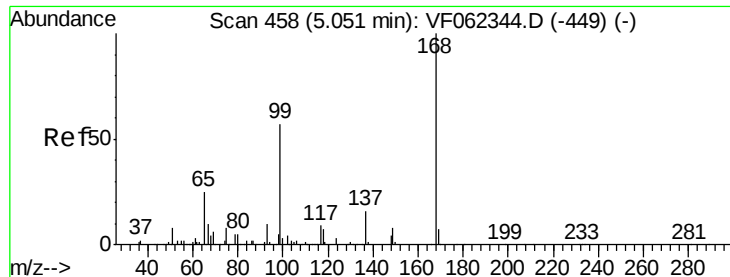
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051319\
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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: VF062552.D

Acq: 13 May 2019 20:07

Instrument :

MSVOA_F

ClientSampleId :

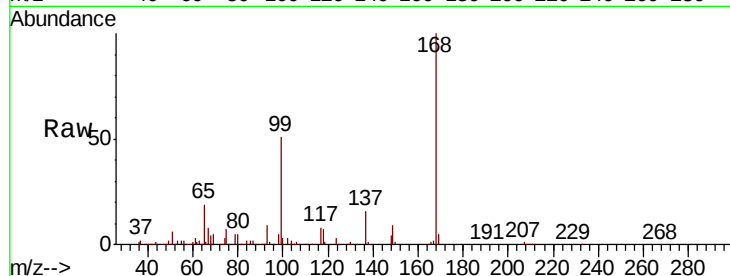
P021-SS001-0612-01RE

Tot Ion:168 Resp: 274469

Ion Ratio Lower Upper

168 100

99 50.6 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.08

100000

80000

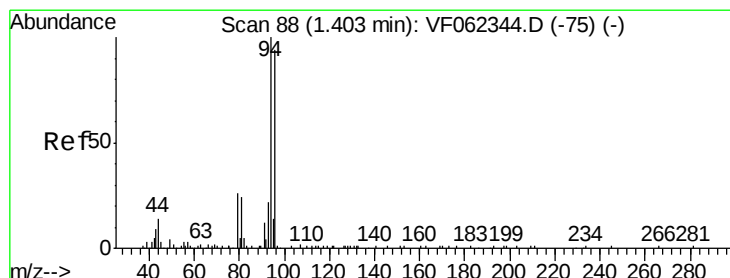
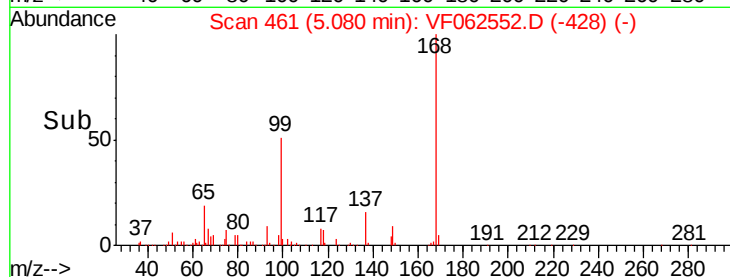
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.41 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF062552.D

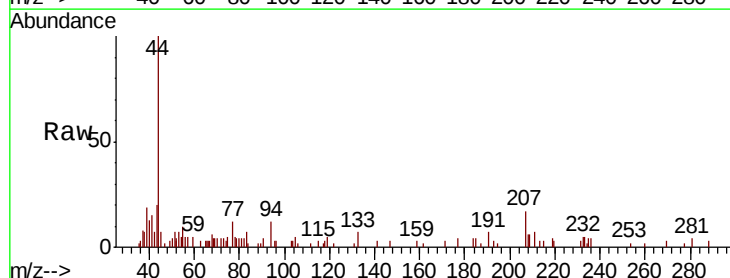
Acq: 13 May 2019 20:07

Tgt Ion: 94 Resp: 375

Ion Ratio Lower Upper

94 100

96 40.5 75.4 113.2#



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

1.41

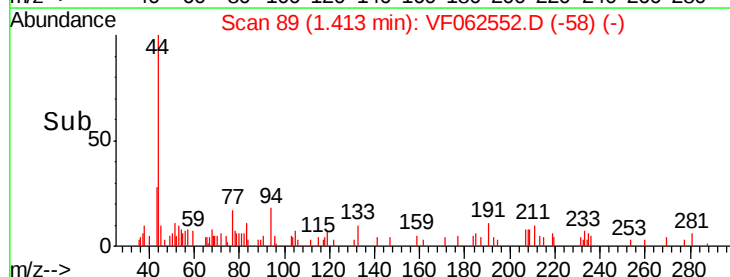
600

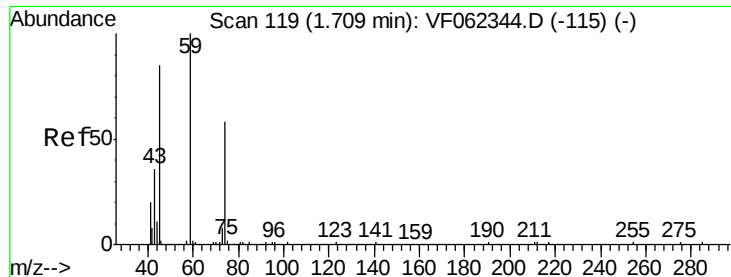
400

200

0

Time-->





#8

Diethyl Ether

Concen: 1.070 ug/l

RT: 1.73 min Scan# 121

Delta R.T. 0.02 min

Lab File: VF062552.D

Acq: 13 May 2019 20:07

Instrument :

MSVOA_F

ClientSampleId :

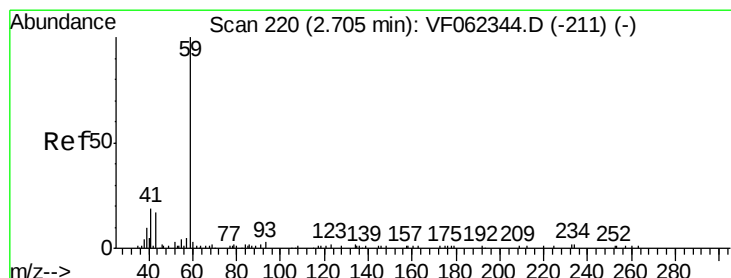
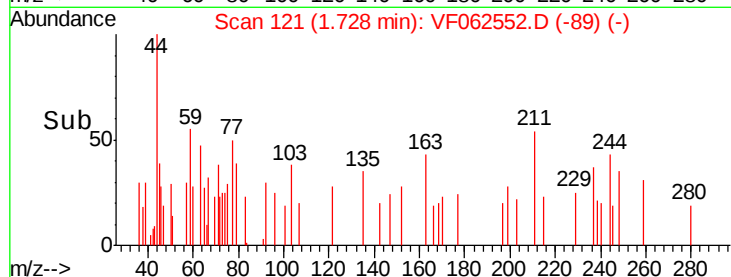
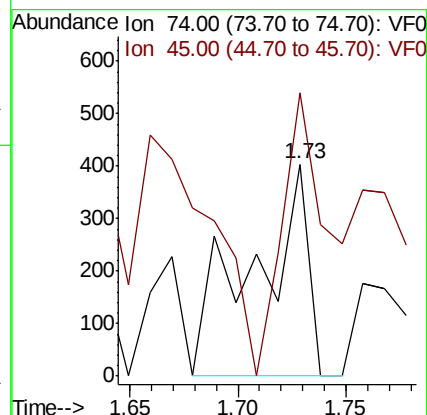
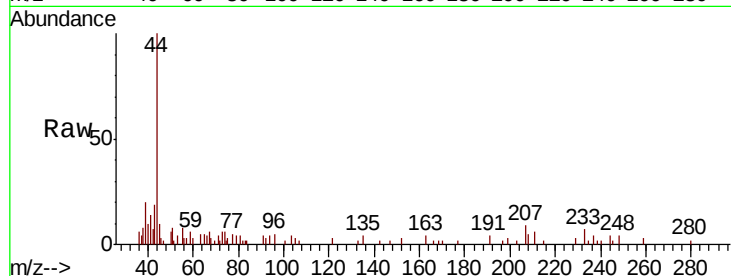
P021-SS001-0612-01RE

Tot Ion: 74 Resp: 702

Ion Ratio Lower Upper

74 100

45 110.8 73.9 221.6



#11

Tert butyl alcohol

Concen: 5.771 ug/l

RT: 2.69 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF062552.D

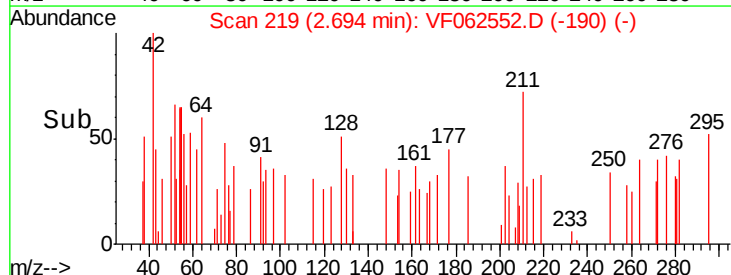
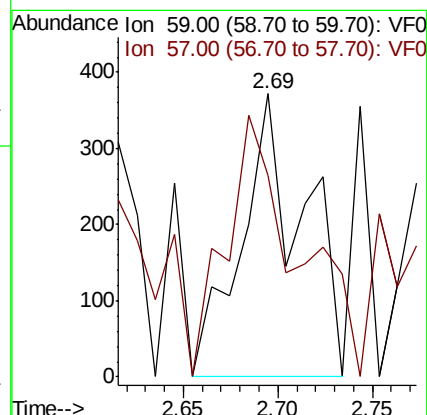
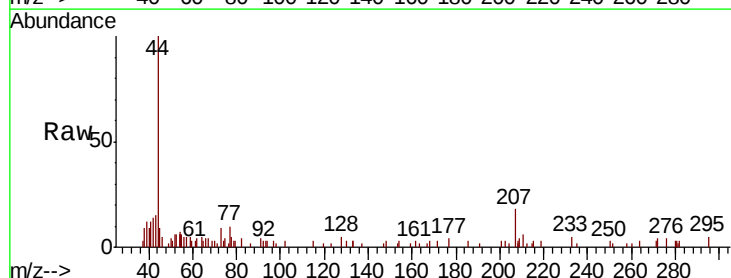
Acq: 13 May 2019 20:07

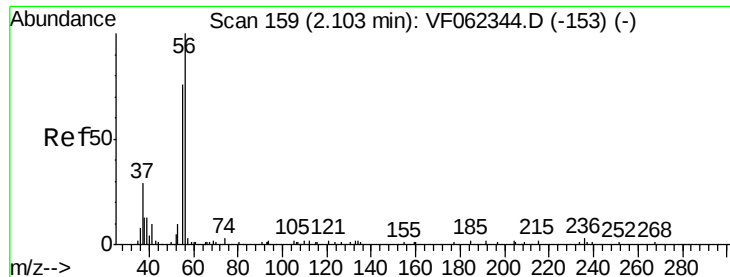
Tgt Ion: 59 Resp: 846

Ion Ratio Lower Upper

59 100

57 106.4 9.3 13.9#





#13

Acrolein

Concen: Below Cal

RT: 2.10 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF062552.D

Acq: 13 May 2019 20:07

Instrument :

MSVOA_F

ClientSampleId :

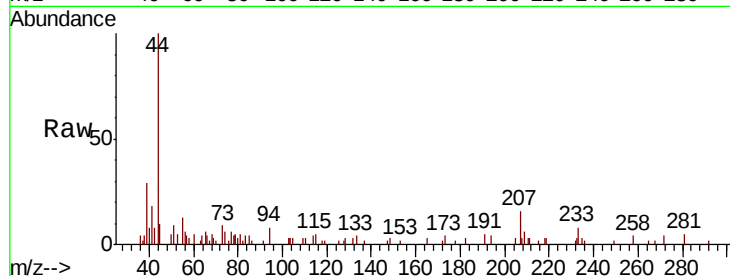
P021-SS001-0612-01RE

Tot Ion: 56 Resp: 120

Ion Ratio Lower Upper

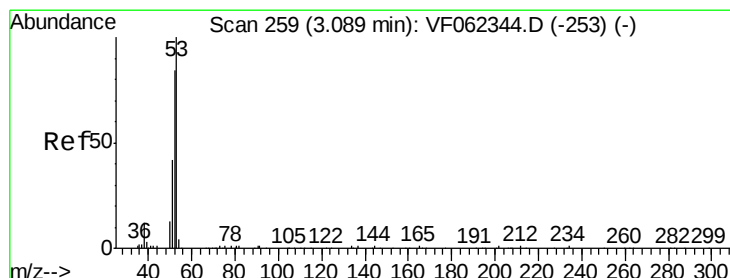
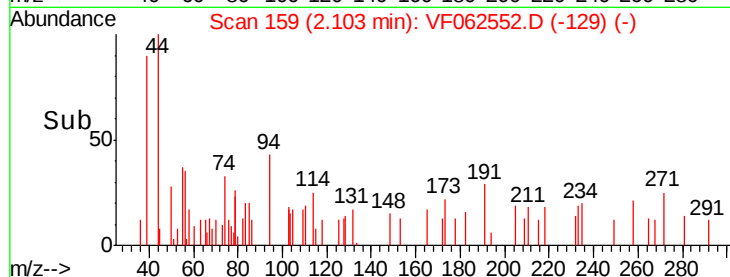
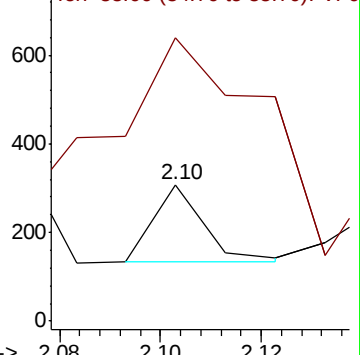
56 100

55 860.0 58.4 87.6#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#15

Acrylonitrile

Concen: 1.394 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF062552.D

Acq: 13 May 2019 20:07

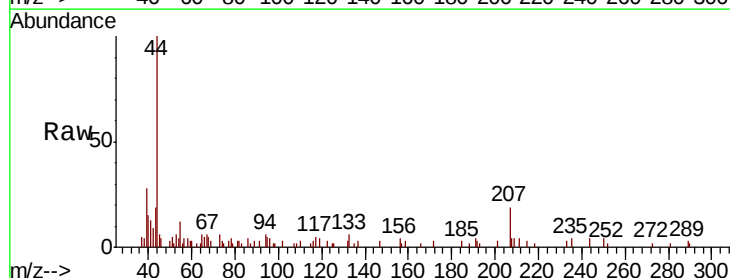
Tgt Ion: 53 Resp: 387

Ion Ratio Lower Upper

53 100

52 0.0 77.2 115.8#

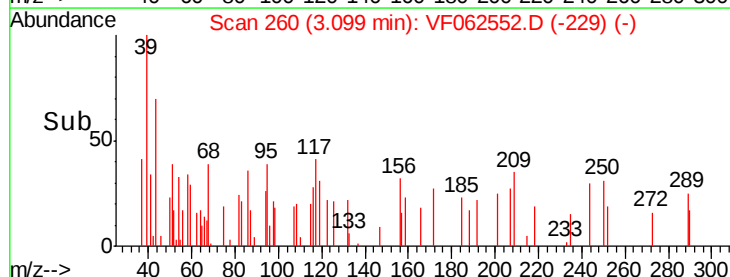
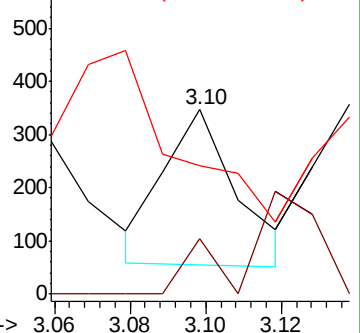
51 215.8 40.6 61.0#

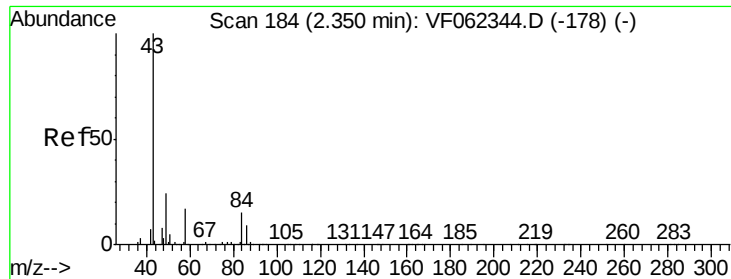


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

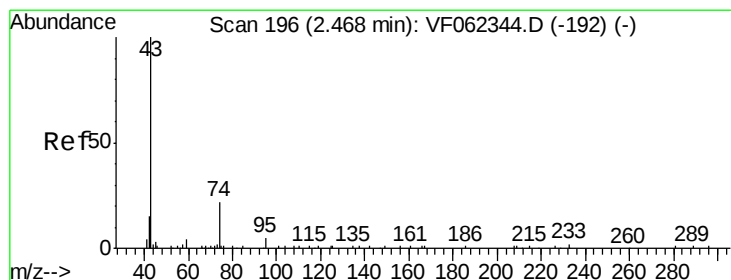
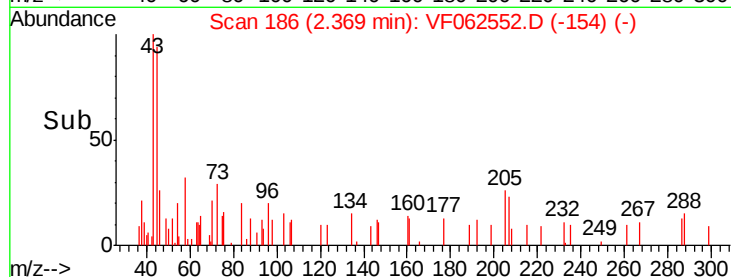
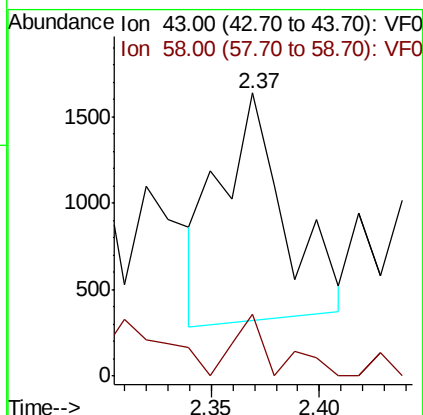
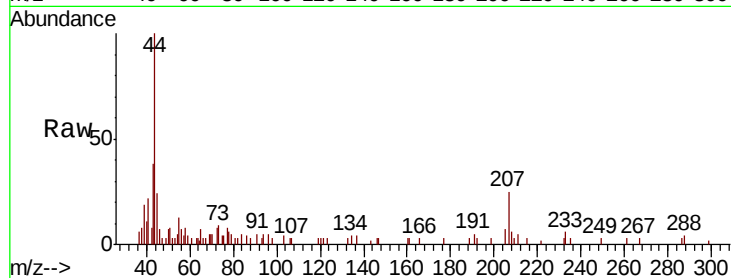




#16
Acetone
Concen: 5.243 ug/l
RT: 2.37 min Scan# 186
Delta R.T. 0.02 min
Lab File: VF062552.D
Acq: 13 May 2019 20:07

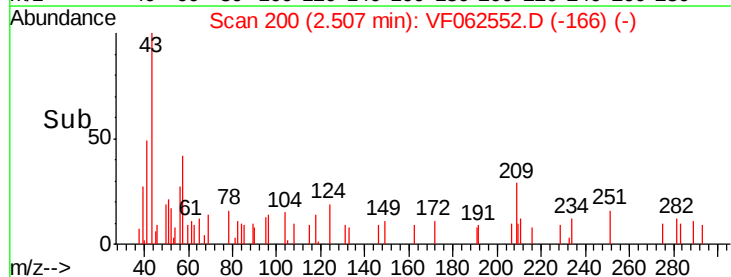
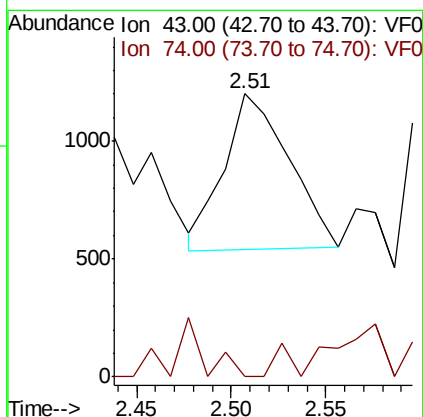
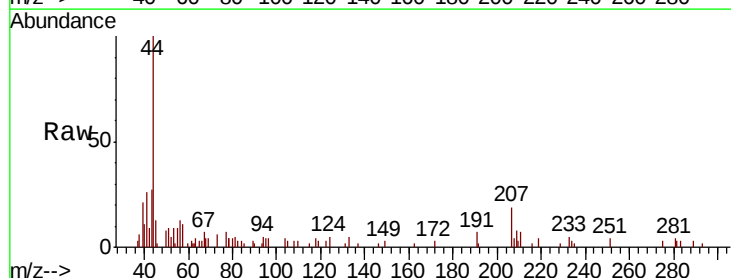
Instrument :
MSVOA_F
ClientSampleId :
P021-SS001-0612-01RE

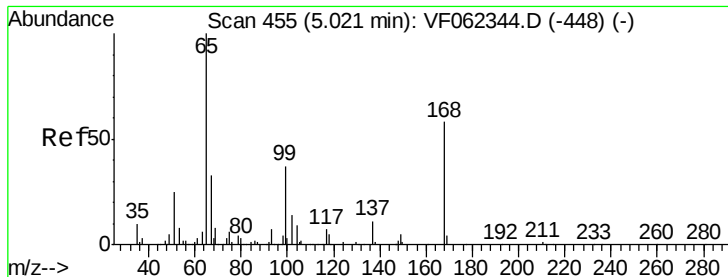
Tot Ion: 43 Resp: 2751
Ion Ratio Lower Upper
43 100
58 31.8 13.1 19.7#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.51 min Scan# 200
Delta R.T. 0.04 min
Lab File: VF062552.D
Acq: 13 May 2019 20:07

Tgt Ion: 43 Resp: 1566
Ion Ratio Lower Upper
43 100
74 5.4 15.0 22.4#





#33

1,2-Dichloroethane-d4

Concen: 47.053 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.03 min

Lab File: VF062552.D

Acq: 13 May 2019 20:07

Instrument :

MSVOA_F

ClientSampleId :

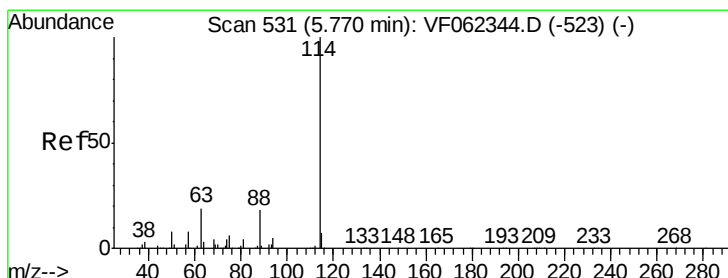
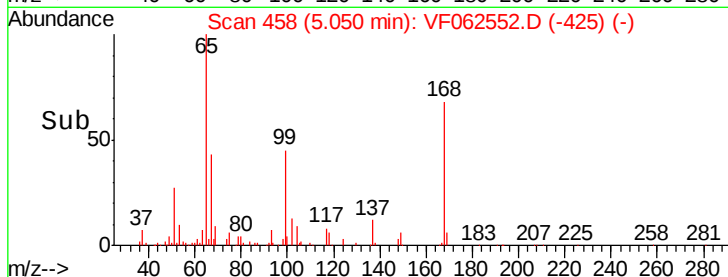
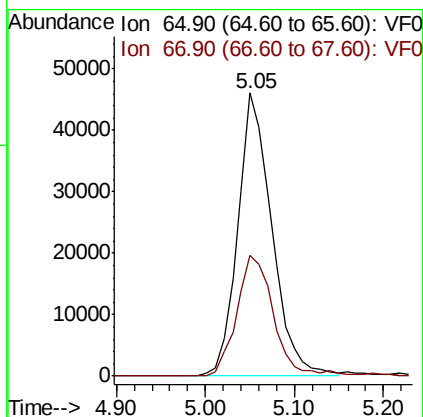
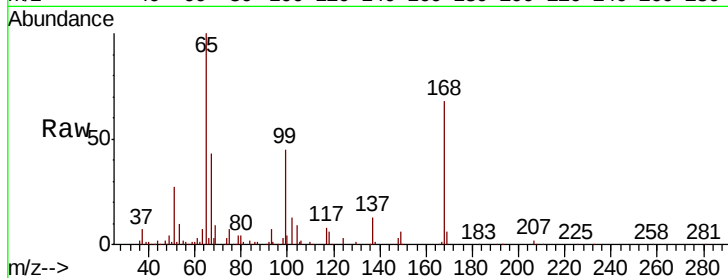
P021-SS001-0612-01RE

Tot Ion: 65 Resp: 122049

Ion Ratio Lower Upper

65 100

67 46.4 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: VF062552.D

Acq: 13 May 2019 20:07

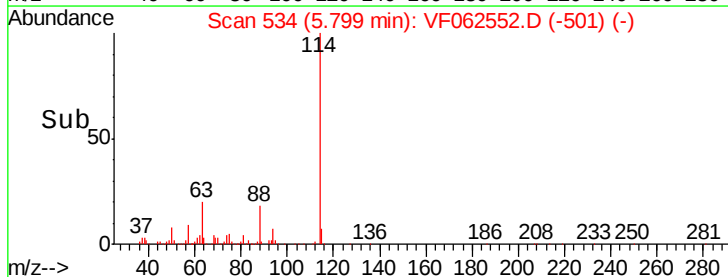
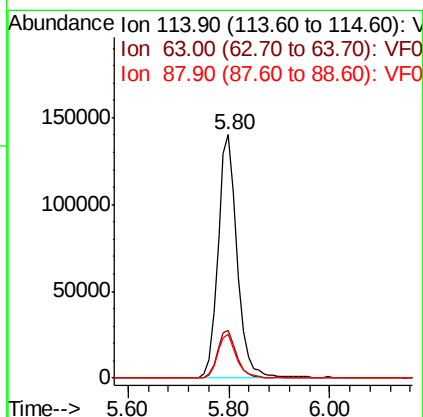
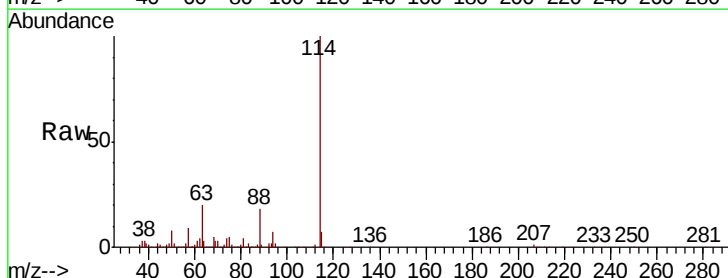
Tgt Ion: 114 Resp: 373455

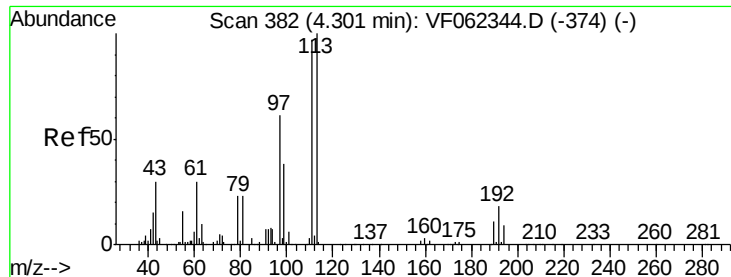
Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.4

88 18.1 0.0 36.4

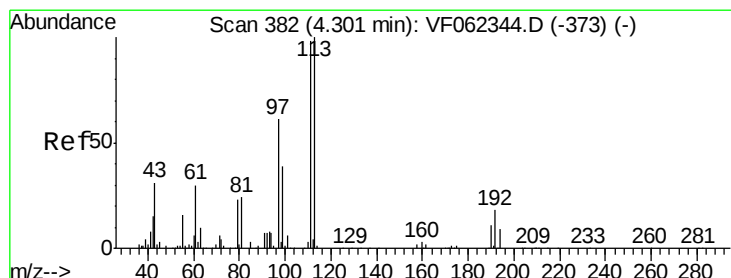
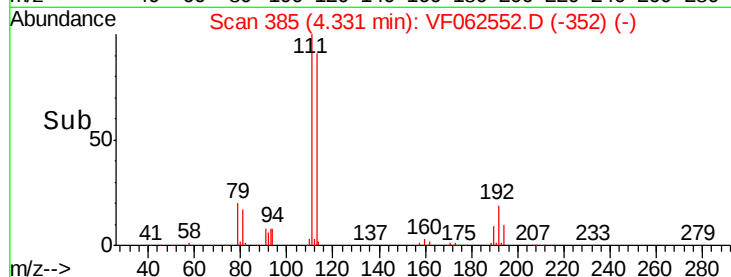
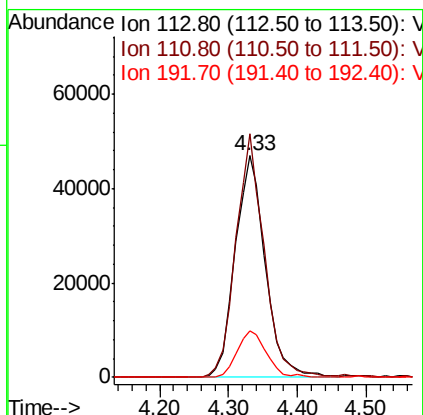
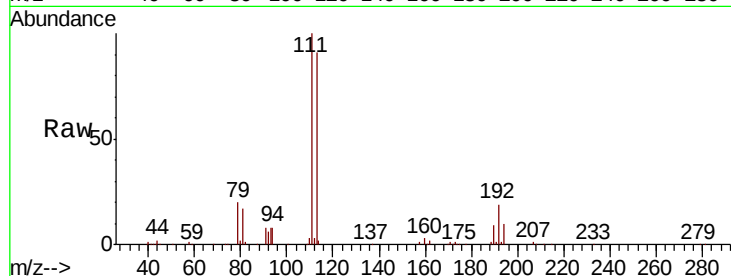




#35
 Dibromofluoromethane
 Concen: 47.768 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. 0.03 min
 Lab File: VF062552.D
 Acq: 13 May 2019 20:07

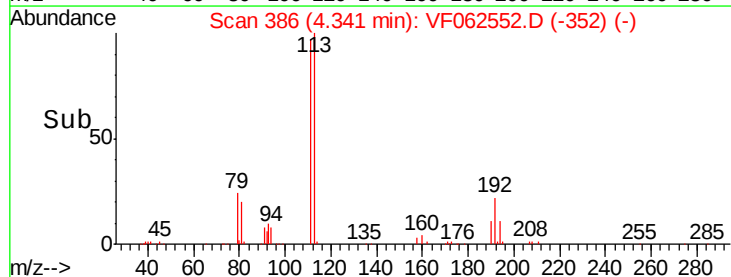
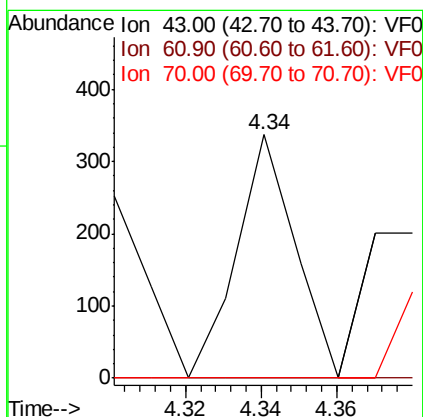
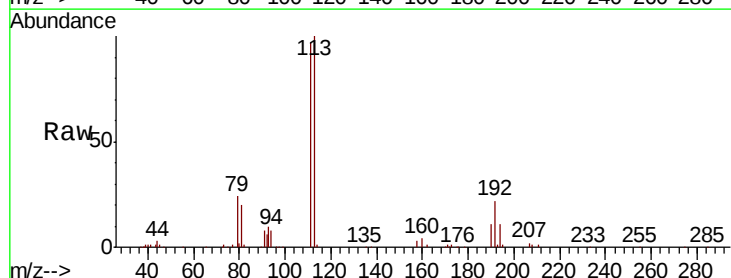
Instrument :
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 ClientSampleId :
 P021-SS001-0612-01RE

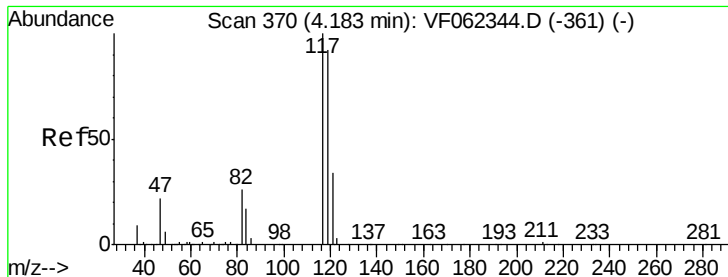
Tot Ion:113 Resp: 142122
 Ion Ratio Lower Upper
 113 100
 111 103.2 79.4 119.0
 192 20.8 16.0 24.0



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.34 min Scan# 386
 Delta R.T. 0.04 min
 Lab File: VF062552.D
 Acq: 13 May 2019 20:07

Tgt Ion: 43 Resp: 358
 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: 4.28 min Scan# 380

Delta R.T. 0.10 min

Lab File: VF062552.D

Acq: 13 May 2019 20:07

Instrument :

MSVOA_F

ClientSampleId :

P021-SS001-0612-01RE

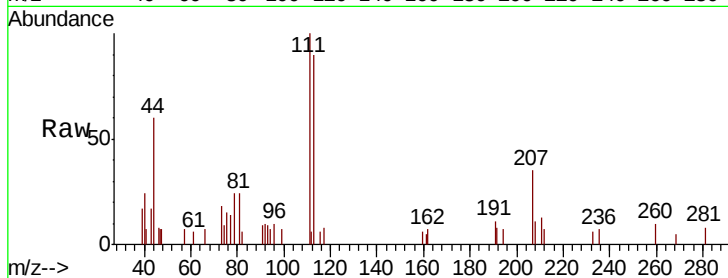
Tot Ion:117 Resp: 83

Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

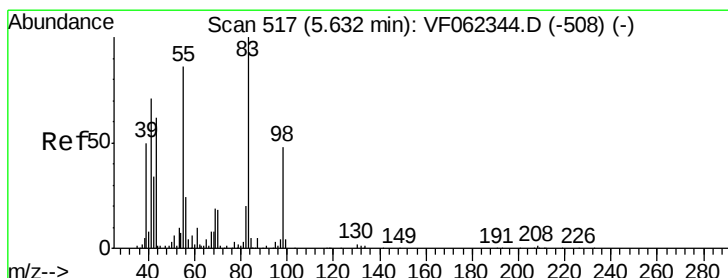
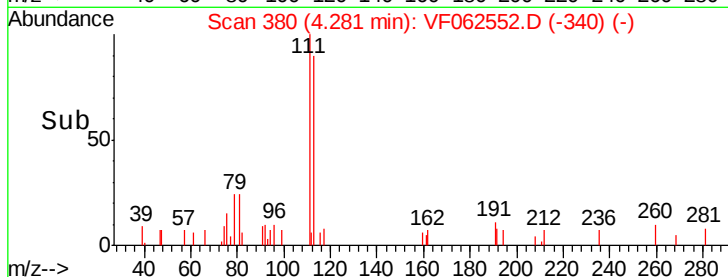
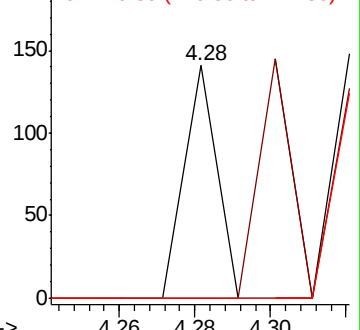
121 0.0 27.4 41.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 1.907 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.17 min

Lab File: VF062552.D

Acq: 13 May 2019 20:07

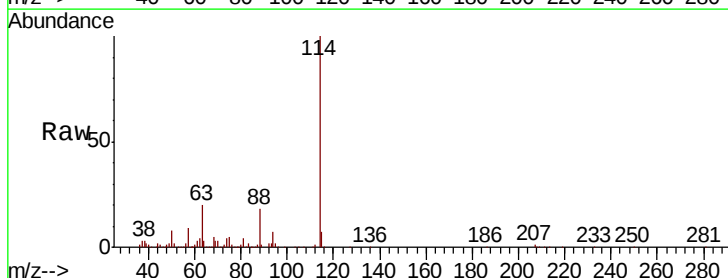
Tgt Ion: 83 Resp: 6135

Ion Ratio Lower Upper

83 100

55 31.7 69.0 103.6#

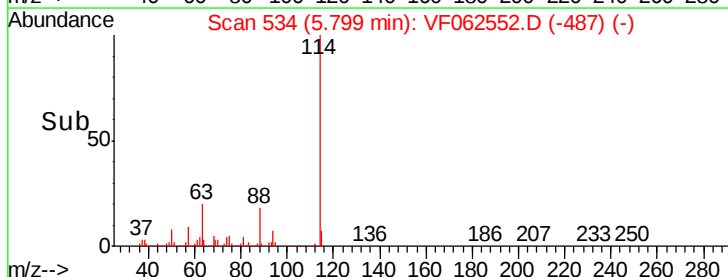
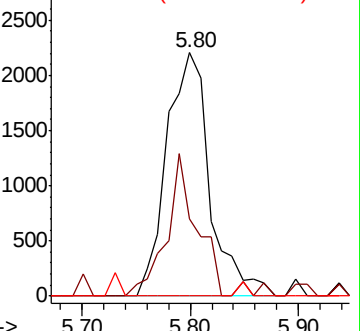
98 0.0 38.6 58.0#

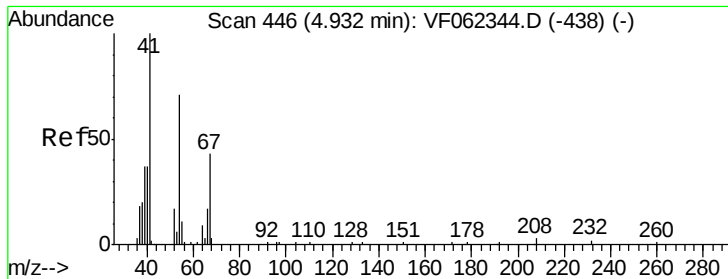


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#41

Methacrylonitrile

Concen: 1.106 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.01 min

Lab File: VF062552.D

Acq: 13 May 2019 20:07

Instrument :

MSVOA_F

ClientSampleId :

P021-SS001-0612-01RE

Tot Ion: 41 Resp: 851

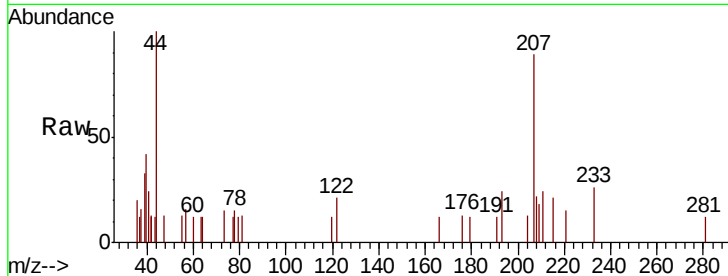
Ion Ratio Lower Upper

41 100

39 41.6 54.3 81.5#

67 0.0 37.8 56.8#

52 10.7 58.2 87.4#

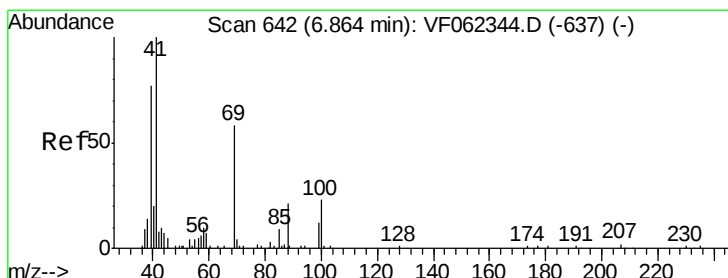
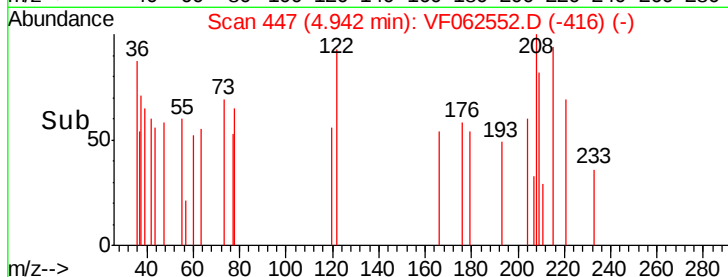
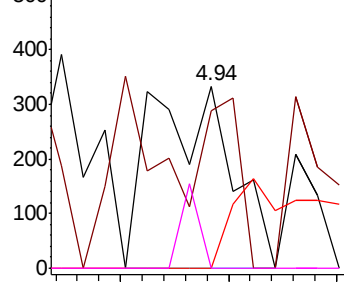


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#49

1,4-Dioxane

Concen: Below Cal

RT: 6.93 min Scan# 649

Delta R.T. 0.07 min

Lab File: VF062552.D

Acq: 13 May 2019 20:07

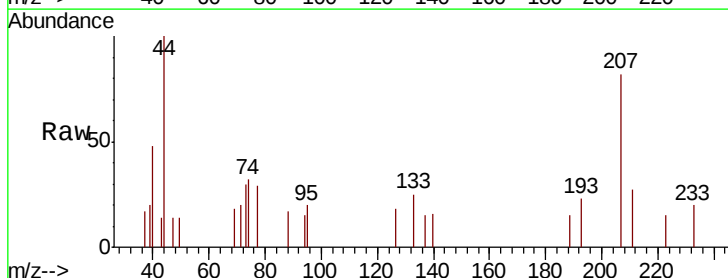
Tgt Ion: 88 Resp: 73

Ion Ratio Lower Upper

88 100

43 234.2 55.6 83.4#

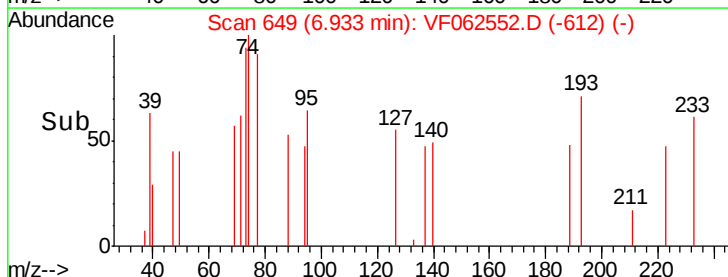
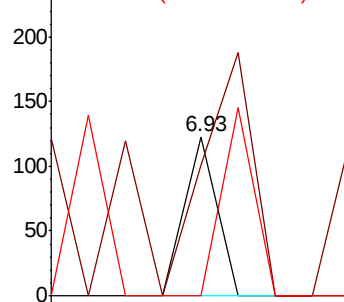
58 117.8 52.8 79.2#

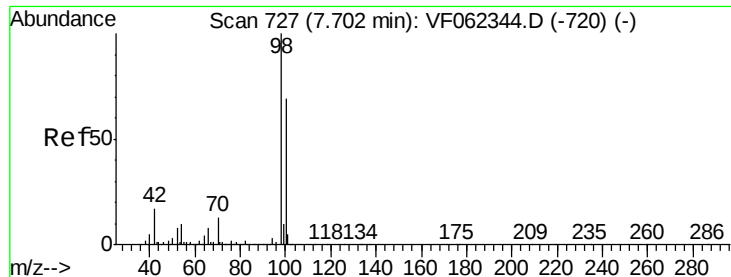


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

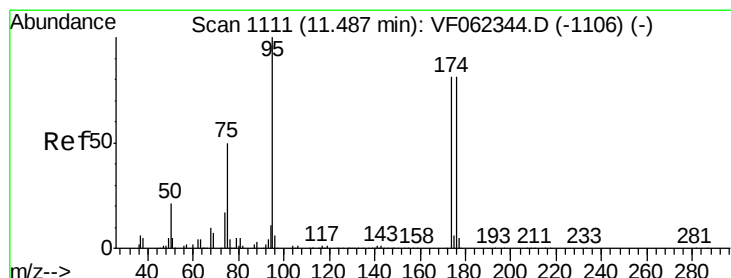
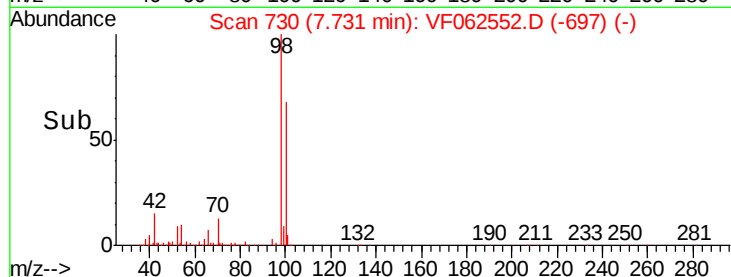
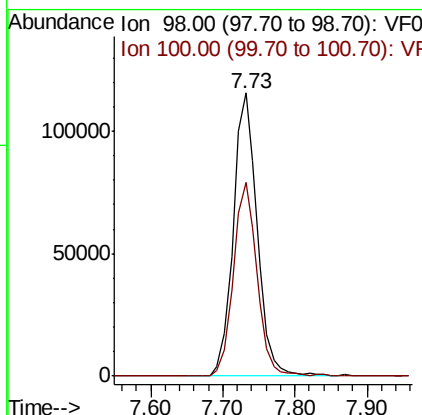
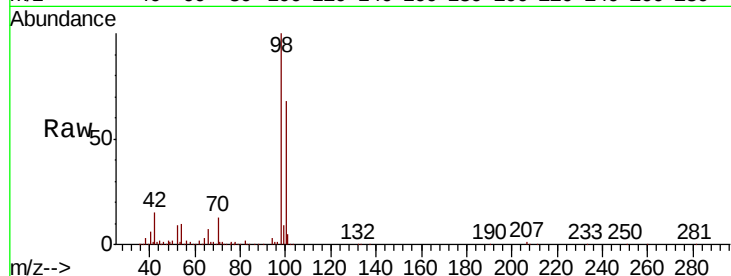




#50
Toluene-d8
Concen: 37.236 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.03 min
Lab File: VF062552.D
Acq: 13 May 2019 20:07

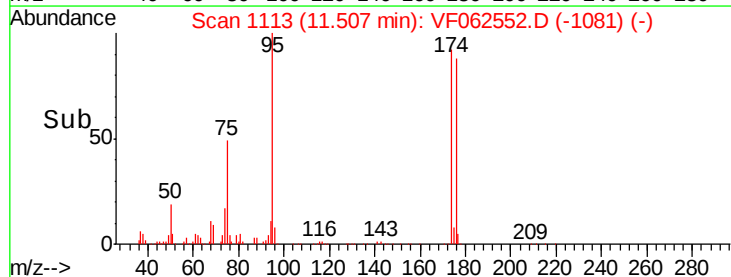
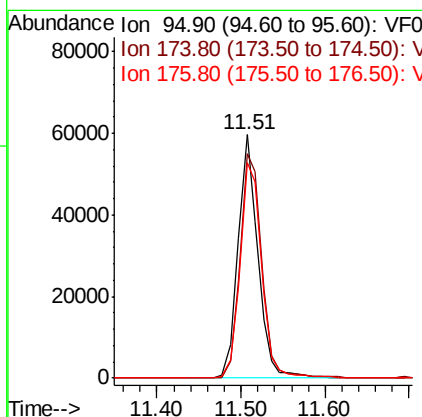
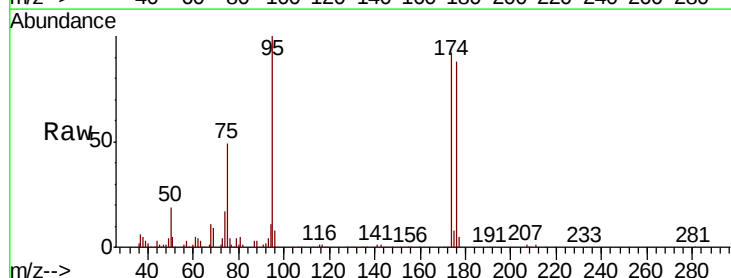
Instrument :
MSVOA_F
ClientSampleId :
P021-SS001-0612-01RE

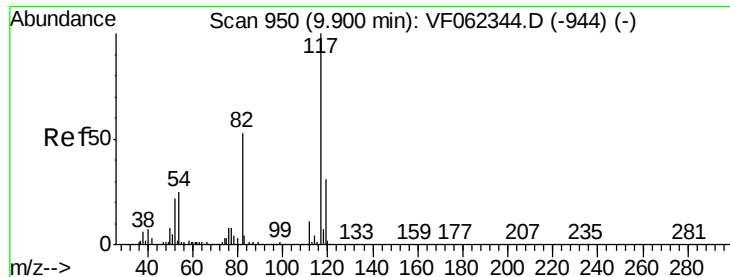
Tot Ion: 98 Resp: 268179
Ion Ratio Lower Upper
98 100
100 67.8 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 30.131 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VF062552.D
Acq: 13 May 2019 20:07

Tgt Ion: 95 Resp: 97904
Ion Ratio Lower Upper
95 100
174 101.2 0.0 191.8
176 96.5 0.0 193.2

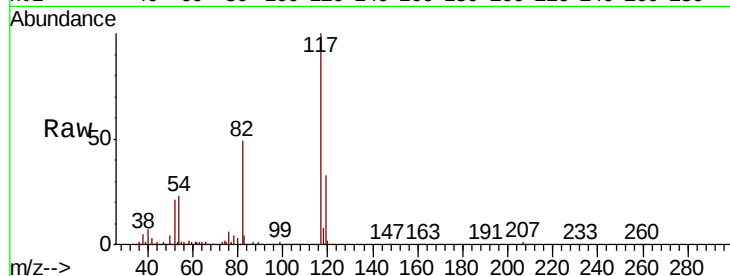




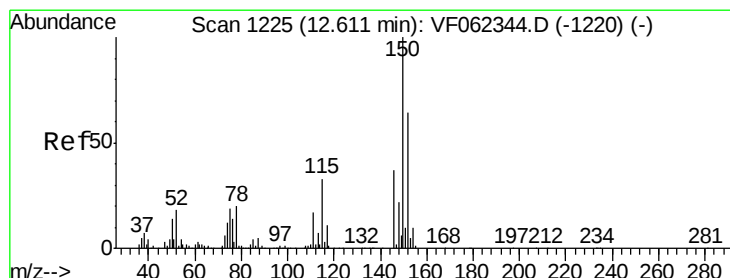
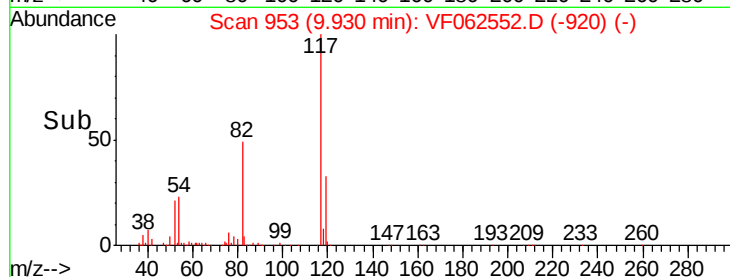
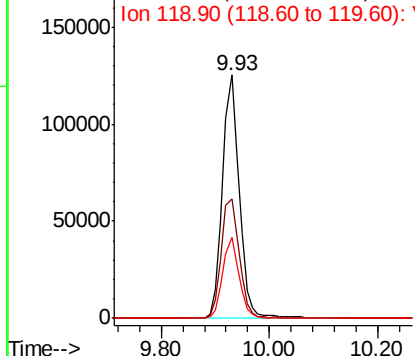
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.03 min
Lab File: VF062552.D
Acq: 13 May 2019 20:07

Instrument :
MSVOA_F
ClientSampleId :
P021-SS001-0612-01RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.3	42.2	63.2
119	33.2	25.0	37.4

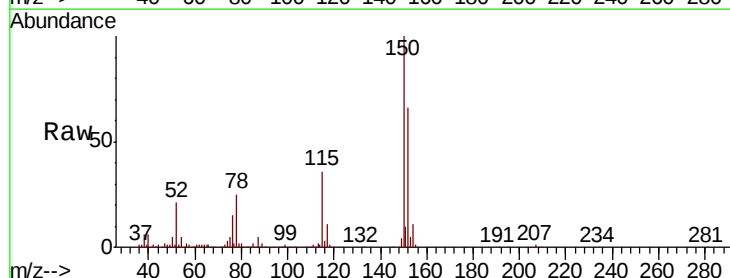


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062552.D
Acq: 13 May 2019 20:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	26.4	79.2
150	154.3	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

