

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062525.D
 Acq On : 13 May 2019 2:56
 Operator : FY/SY
 Sample : K2756-06RE
 Misc : 5.47g/5mL/MSVOA F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS006-0002-01

Quant Time: May 13 04:51:48 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	5.07	168	267803	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	327016	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	261579	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	123352	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	111217	43.94	ug/l	0.03
Spiked Amount 50.000			Recovery	=	87.88%	
35) Dibromofluoromethane	4.33	113	132987	51.05	ug/l	0.03
Spiked Amount 50.000			Recovery	=	102.10%	
50) Toluene-d8	7.74	98	249080	39.50	ug/l	0.03
Spiked Amount 50.000			Recovery	=	79.00%	
62) 4-Bromofluorobenzene	11.51	95	98661	34.68	ug/l	0.02
Spiked Amount 50.000			Recovery	=	69.36%	

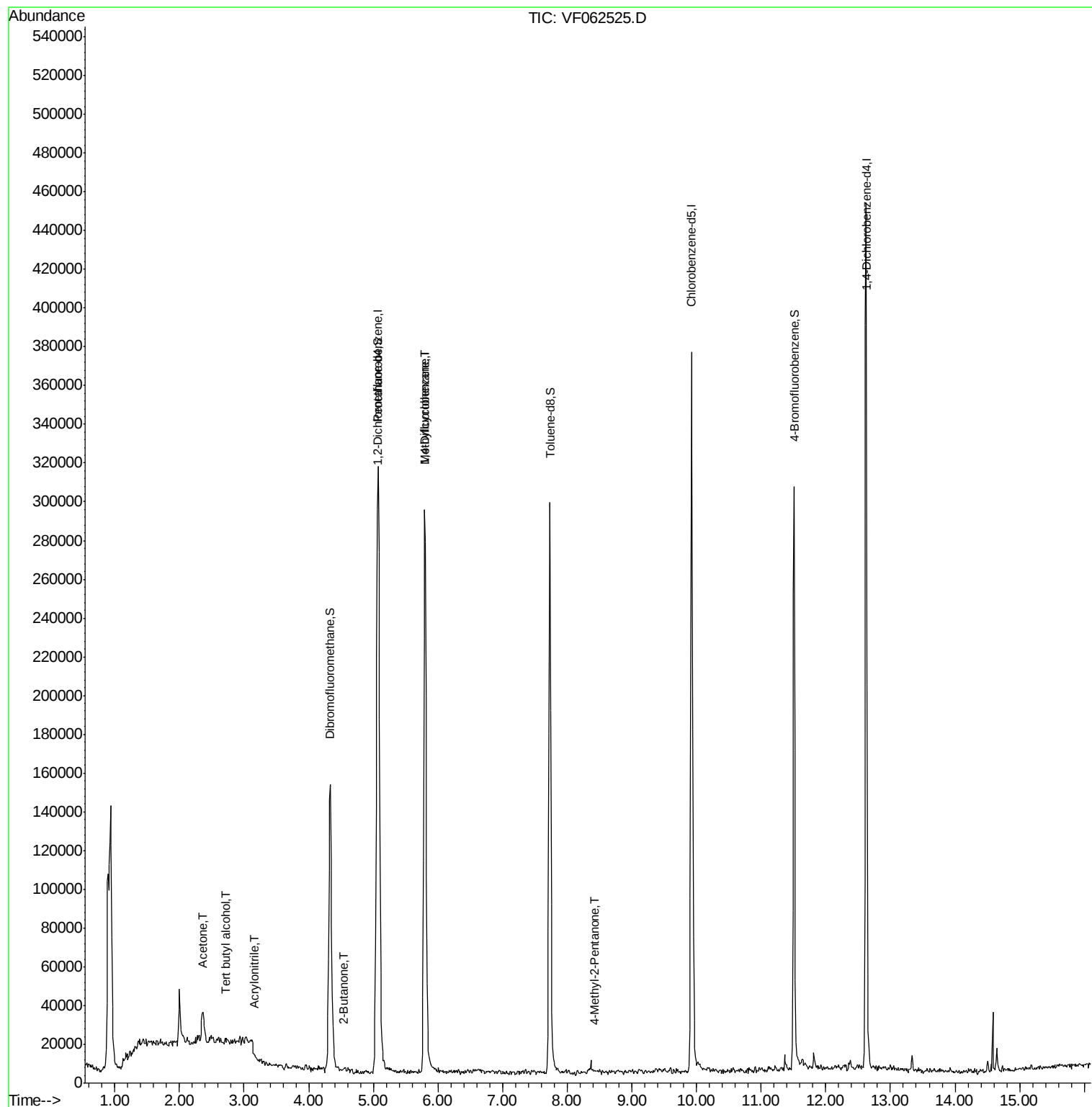
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.44	94	997	Below Cal		94
11) Tert butyl alcohol	2.70	59	565	3.950	ug/l #	1
13) Acrolein	2.13	56	555	Below Cal	#	16
15) Acrylonitrile	3.15	53	1034	3.816	ug/l #	18
16) Acetone	2.36	43	27798	54.296	ug/l	94
25) 2-Butanone	4.54	43	4962	7.714	ug/l #	88
37) Ethyl Acetate	4.32	43	1304	Below Cal	#	73
38) Carbon Tetrachloride	4.09	117	75	Below Cal	#	57
39) Methylcyclohexane	5.80	83	5653	2.006	ug/l #	39
49) 1,4-Dioxane	7.08	88	67	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.44	43	1046	1.080	ug/l #	50

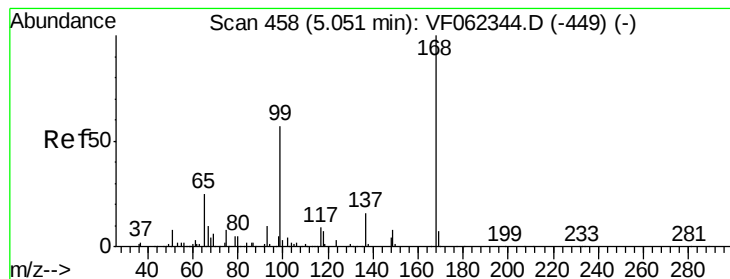
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051219\
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Quant Time: May 13 04:51:48 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: 5.07 min Scan# 461

Delta R.T. 0.02 min

Lab File: VF062525.D

Acq: 13 May 2019 2:56

Instrument :

MSVOA_F

ClientSampleId :

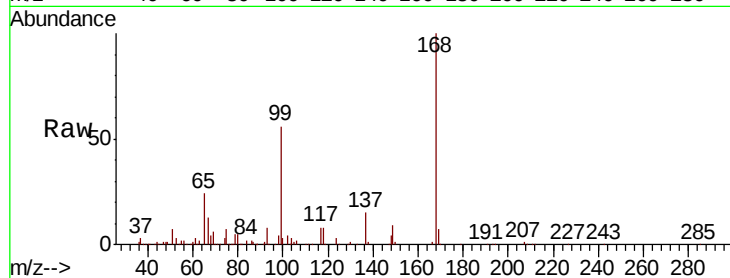
P021-SS006-0002-01

Tot Ion:168 Resp: 267803

Ion Ratio Lower Upper

168 100

99 55.7 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.07

100000

80000

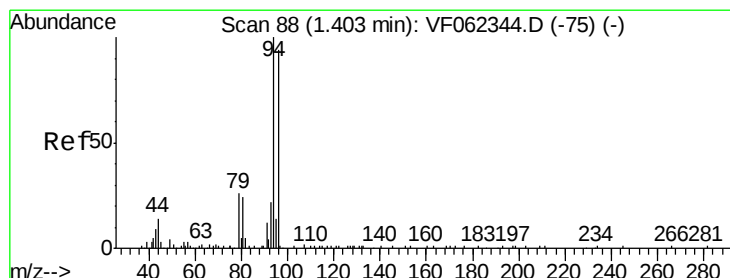
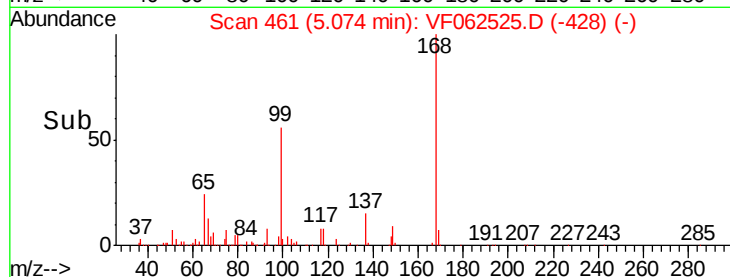
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.44 min Scan# 92

Delta R.T. 0.03 min

Lab File: VF062525.D

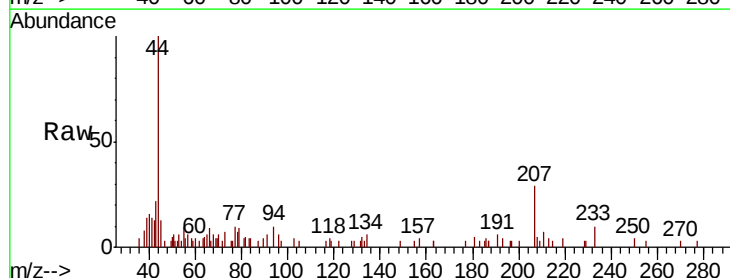
Acq: 13 May 2019 2:56

Tgt Ion: 94 Resp: 997

Ion Ratio Lower Upper

94 100

96 100.5 75.4 113.2



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

1.44

400

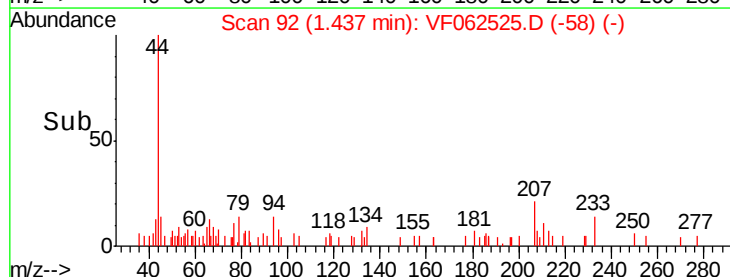
300

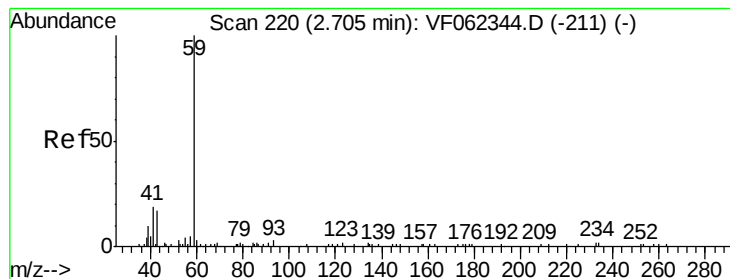
200

100

0

Time-->



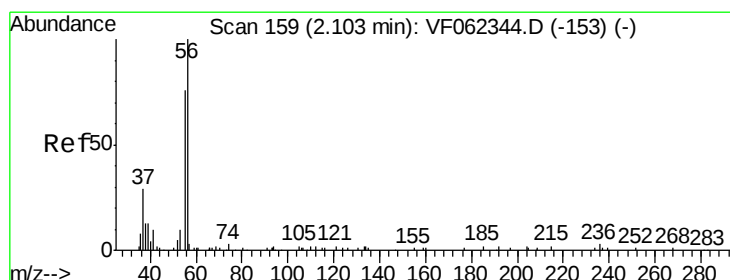
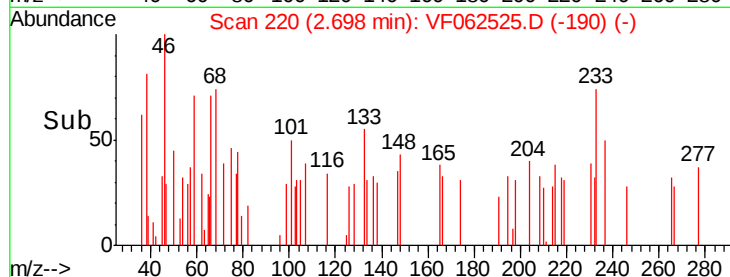
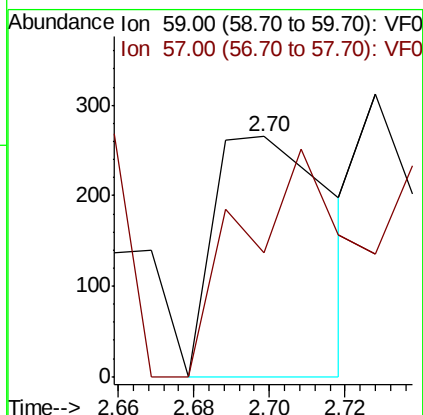
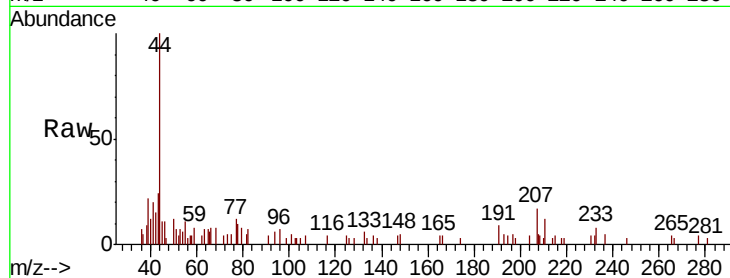


#11

Tert butyl alcohol
 Concen: 3.950 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VF062525.D
 Acq: 13 May 2019 2:56

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS006-0002-01

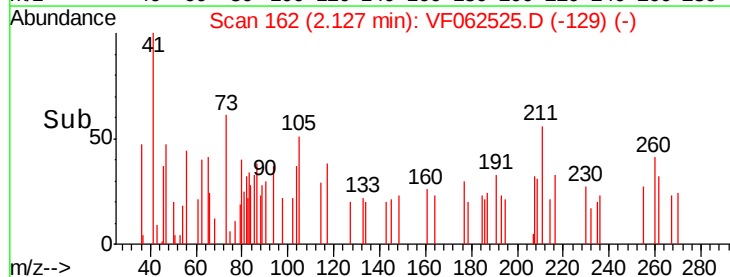
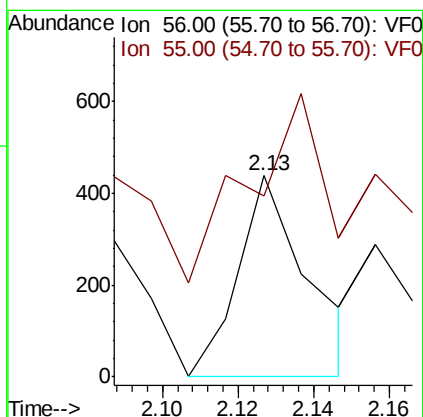
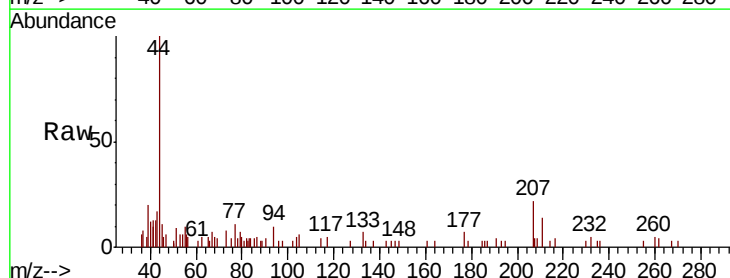
Tot Ion: 59 Resp: 565
 Ion Ratio Lower Upper
 59 100
 57 115.2 9.3 13.9#

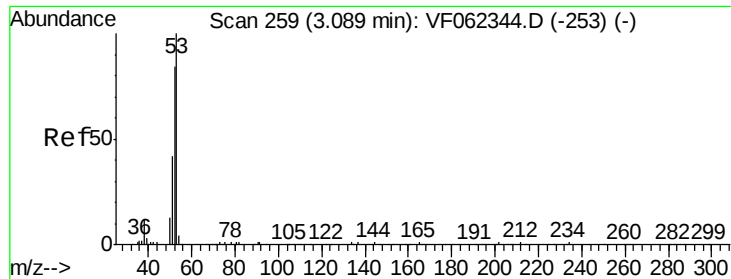


#13

Acrolein
 Concen: Below Cal
 RT: 2.13 min Scan# 162
 Delta R.T. 0.02 min
 Lab File: VF062525.D
 Acq: 13 May 2019 2:56

Tgt Ion: 56 Resp: 555
 Ion Ratio Lower Upper
 56 100
 55 143.8 58.4 87.6#





#15

Acrylonitrile

Concen: 3.816 ug/l

RT: 3.15 min Scan# 266

Delta R.T. 0.06 min

Lab File: VF062525.D

Acq: 13 May 2019 2:56

Instrument :

MSVOA_F

ClientSampleId :

P021-SS006-0002-01

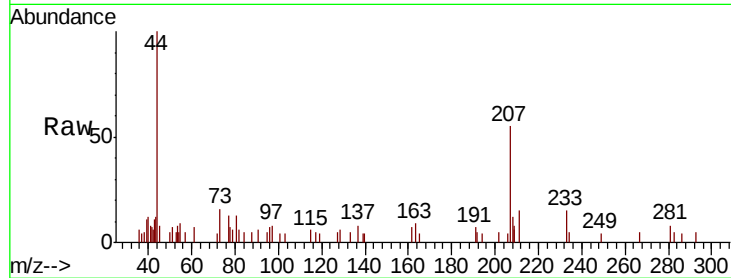
Tot Ion: 53 Resp: 1034

Ion Ratio Lower Upper

53 100

52 11.4 77.2 115.8#

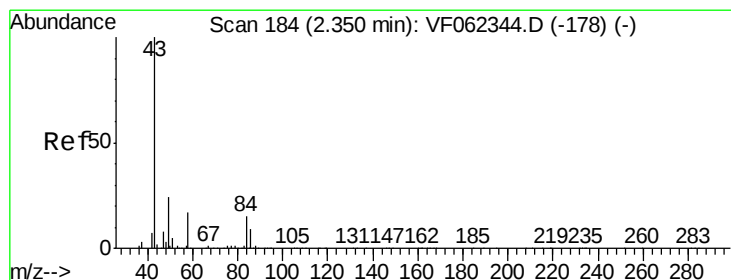
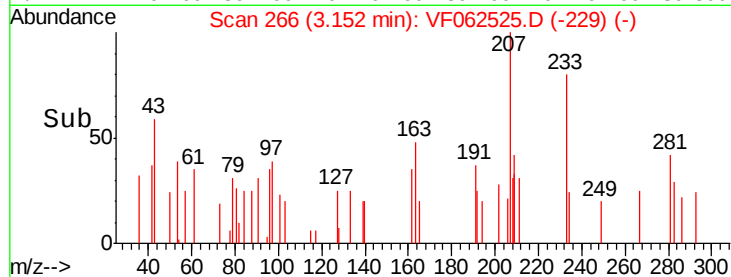
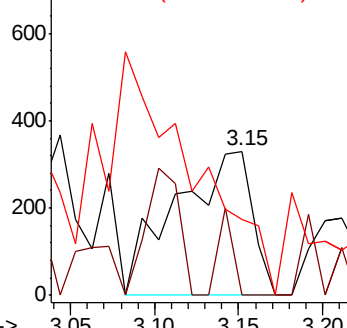
51 0.0 40.6 61.0#



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: 54.296 ug/l

RT: 2.36 min Scan# 186

Delta R.T. 0.01 min

Lab File: VF062525.D

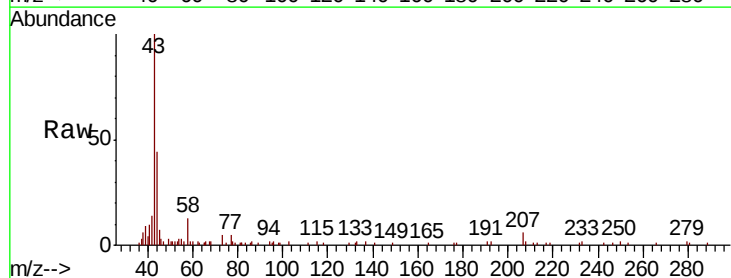
Acq: 13 May 2019 2:56

Tgt Ion: 43 Resp: 27798

Ion Ratio Lower Upper

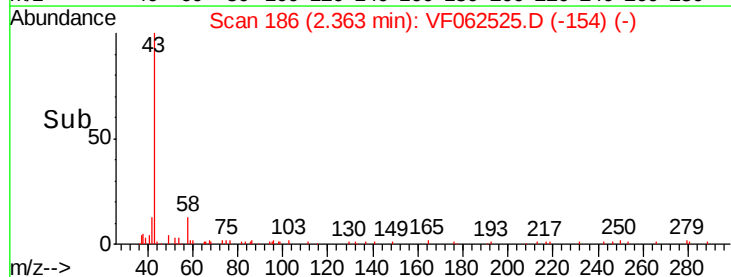
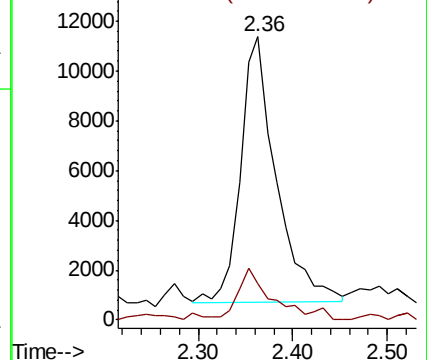
43 100

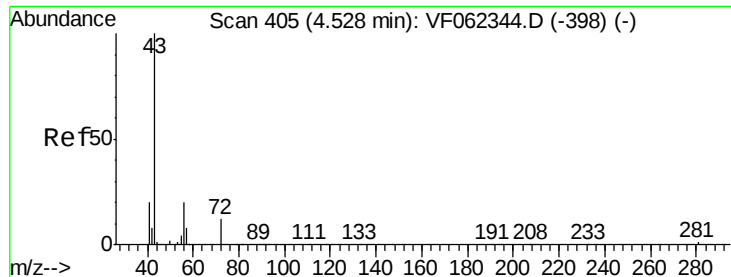
58 13.8 13.1 19.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

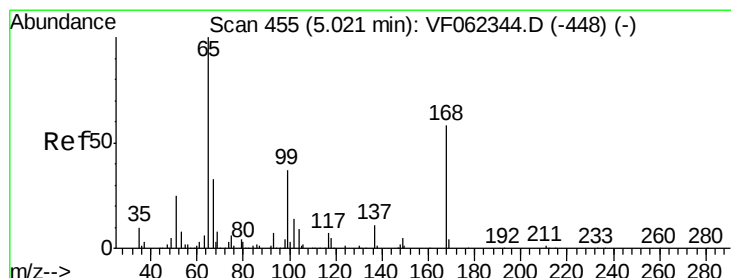
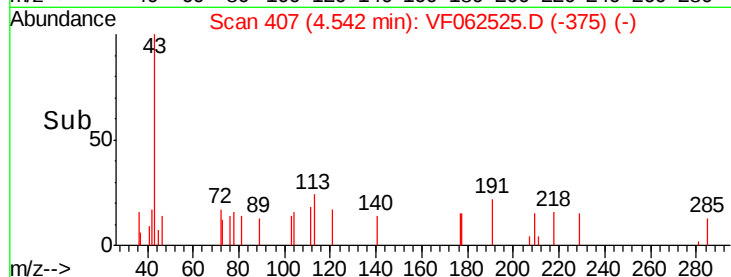
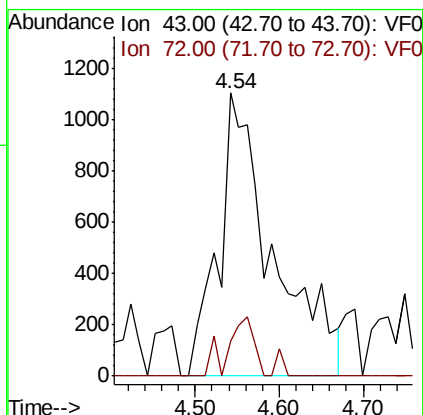
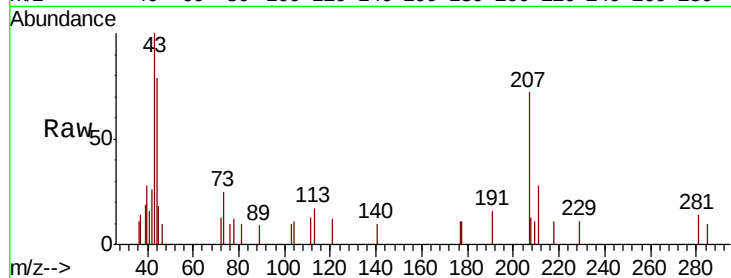




#25
2-Butanone
Concen: 7.714 ug/l
RT: 4.54 min Scan# 407
Delta R.T. 0.01 min
Lab File: VF062525.D
Acq: 13 May 2019 2:56

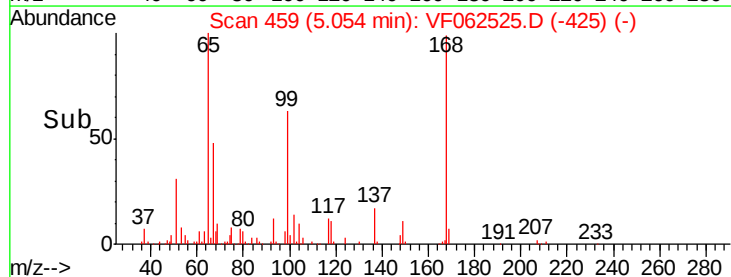
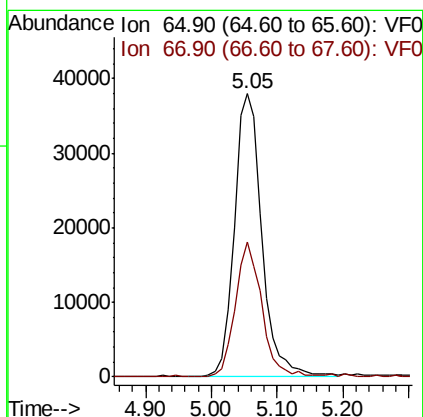
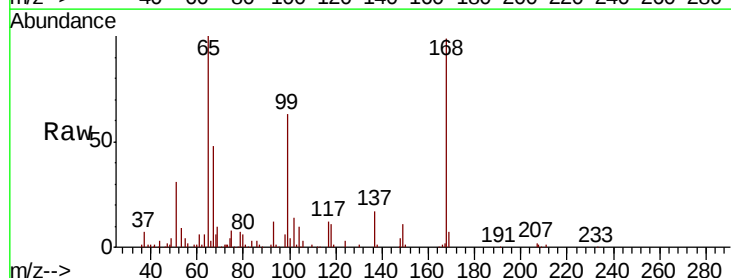
Instrument :
MSVOA_F
ClientSampleId :
P021-SS006-0002-01

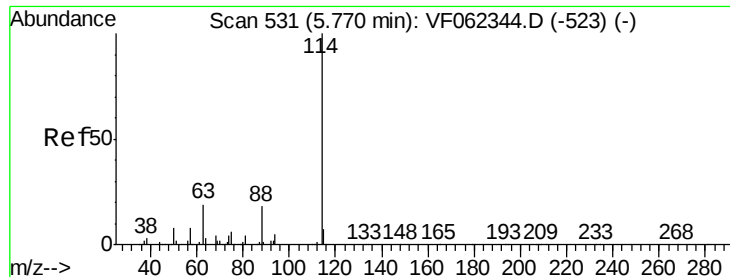
Tot Ion: 43 Resp: 4962
Ion Ratio Lower Upper
43 100
72 12.6 14.2 21.4#



#33
1,2-Dichloroethane-d4
Concen: 43.944 ug/l
RT: 5.05 min Scan# 459
Delta R.T. 0.03 min
Lab File: VF062525.D
Acq: 13 May 2019 2:56

Tgt Ion: 65 Resp: 111217
Ion Ratio Lower Upper
65 100
67 45.8 0.0 85.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 534

Delta R.T. 0.02 min

Lab File: VF062525.D

Acq: 13 May 2019 2:56

Instrument :

MSVOA_F

ClientSampleId :

P021-SS006-0002-01

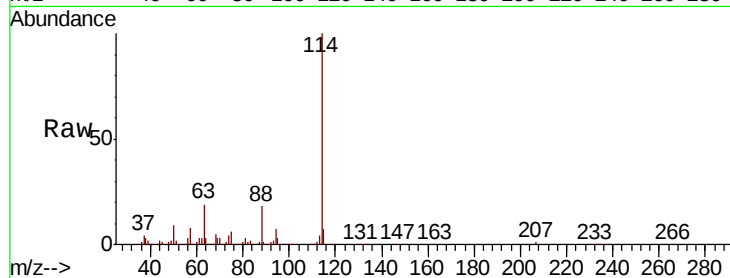
Tot Ion:114 Resp: 327016

Ion Ratio Lower Upper

114 100

63 19.3 0.0 37.4

88 18.3 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

150000

100000

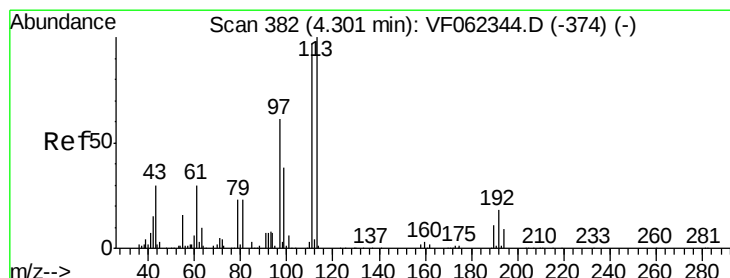
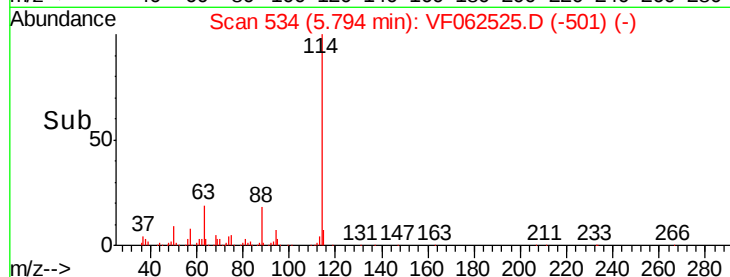
50000

0

5.79

5.70 5.80 5.90 6.00

Time-->



#35

Dibromofluoromethane

Concen: 51.045 ug/l

RT: 4.33 min Scan# 386

Delta R.T. 0.03 min

Lab File: VF062525.D

Acq: 13 May 2019 2:56

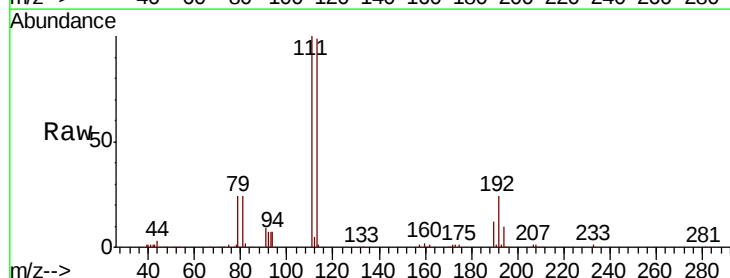
Tgt Ion:113 Resp: 132987

Ion Ratio Lower Upper

113 100

111 98.4 79.4 119.0

192 21.2 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

60000

50000

40000

30000

20000

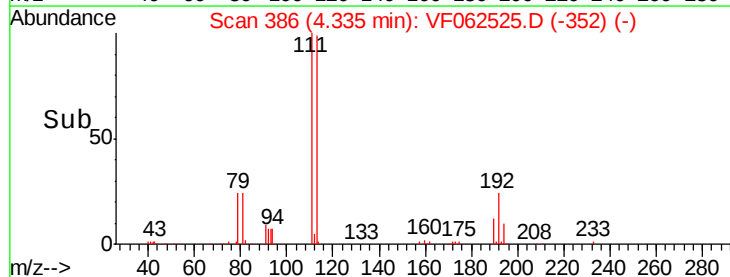
10000

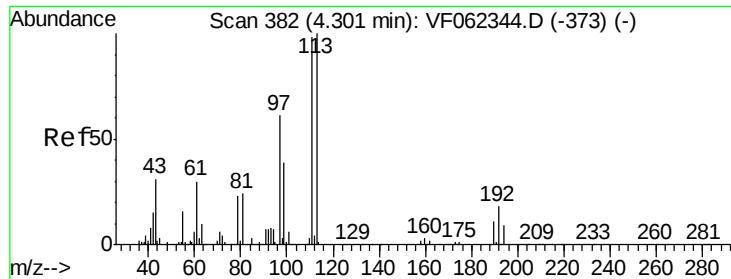
0

4.33

4.20 4.40 4.60

Time-->

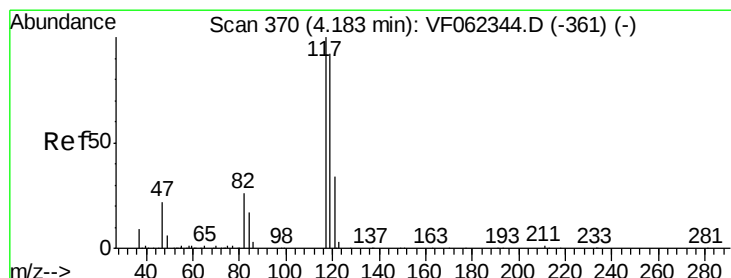
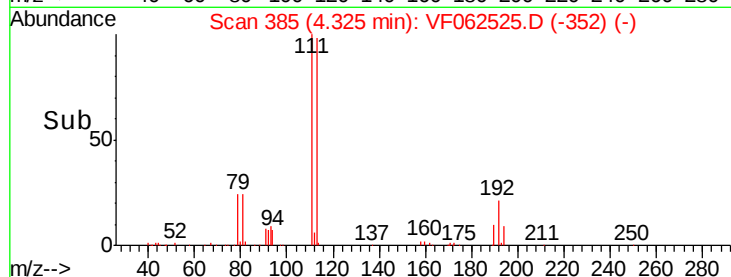
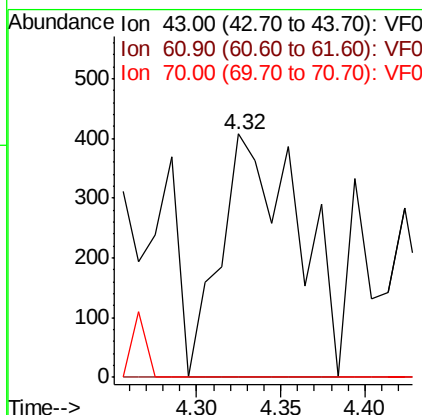
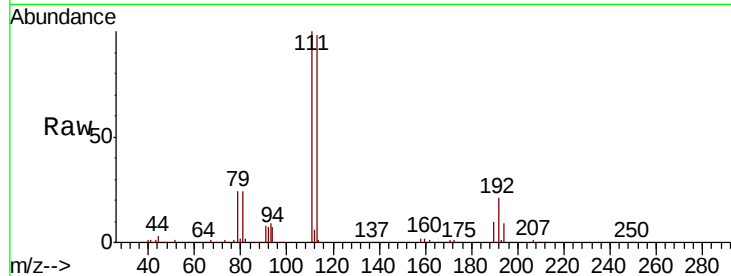




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.32 min Scan# 385
Delta R.T. 0.02 min
Lab File: VF062525.D
Acq: 13 May 2019 2:56

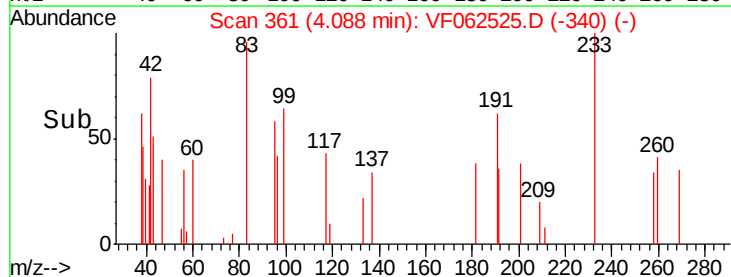
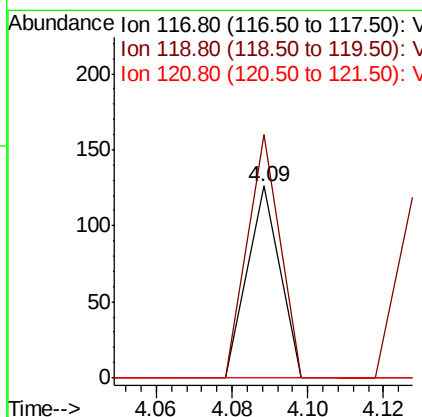
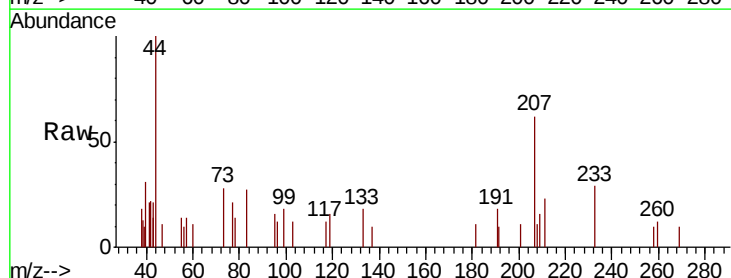
Instrument :
MSVOA_F
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P021-SS006-0002-01

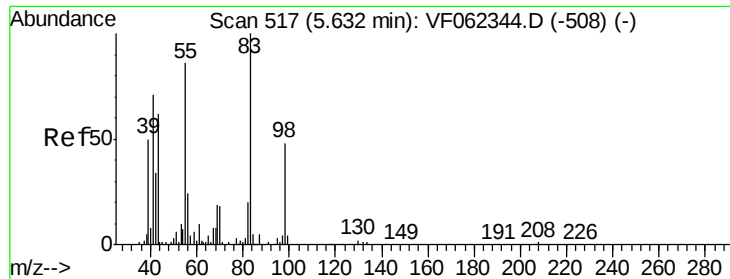
Tot Ion: 43 Resp: 1304
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 0.0 8.2 12.2#



#38
Carbon Tetrachloride
Concen: Below Cal
RT: 4.09 min Scan# 361
Delta R.T. -0.09 min
Lab File: VF062525.D
Acq: 13 May 2019 2:56

Tgt Ion: 117 Resp: 75
Ion Ratio Lower Upper
117 100
119 127.0 73.4 110.2#
121 0.0 27.4 41.0#

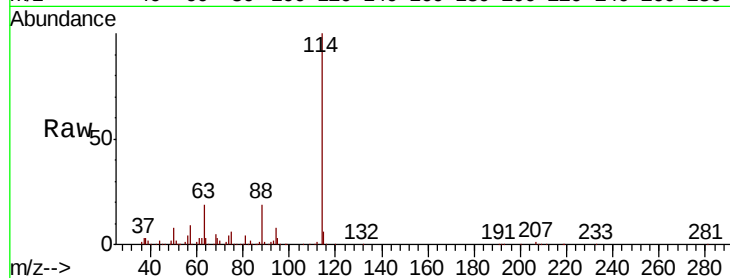




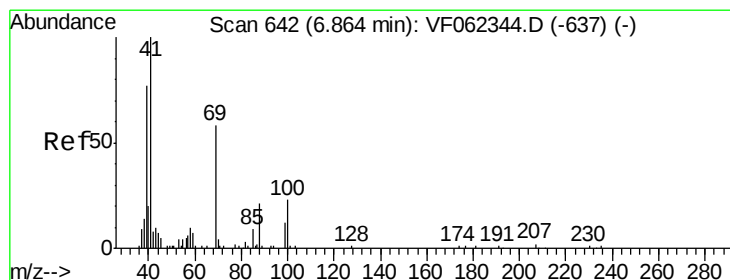
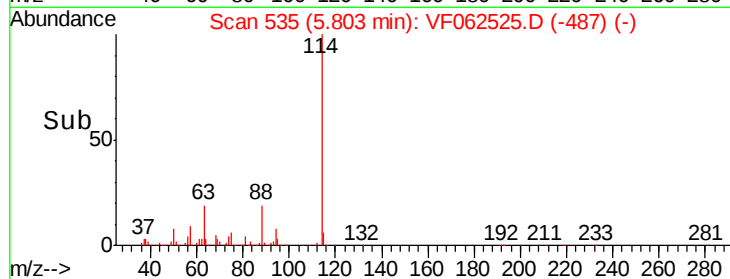
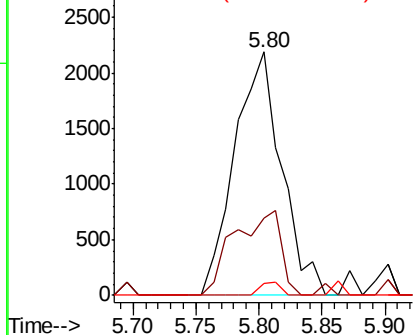
#39
Methylcyclohexane
Concen: 2.006 ug/l
RT: 5.80 min Scan# 535
Delta R.T. 0.17 min
Lab File: VF062525.D
Acq: 13 May 2019 2:56

Instrument :
MSVOA_F
ClientSampleId :
P021-SS006-0002-01

Tot Ion	Ratio	Lower	Upper
83	100		
55	31.7	69.0	103.6#
98	4.8	38.6	58.0#

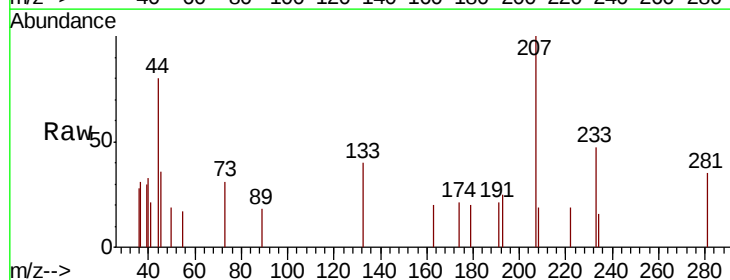


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

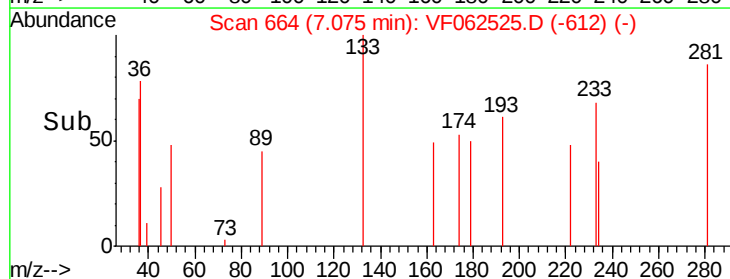
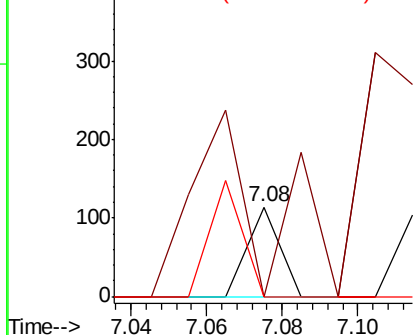


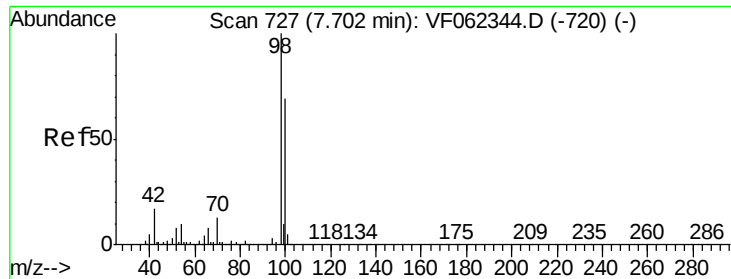
#49
1,4-Dioxane
Concen: Below Cal
RT: 7.08 min Scan# 664
Delta R.T. 0.21 min
Lab File: VF062525.D
Acq: 13 May 2019 2:56

Tgt Ion	Ratio	Lower	Upper
88	100		
43	325.4	55.6	83.4#
58	131.3	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: 39.496 ug/l

RT: 7.74 min Scan# 731

Delta R.T. 0.03 min

Lab File: VF062525.D

Acq: 13 May 2019 2:56

Instrument :

MSVOA_F

ClientSampleId :

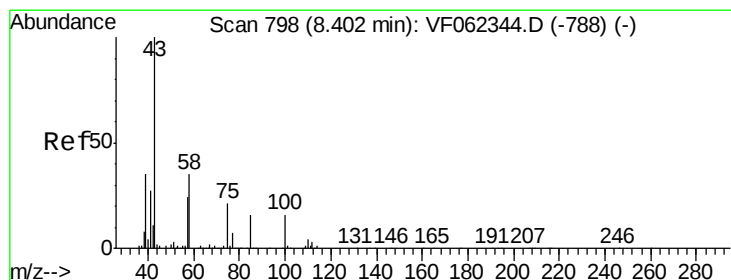
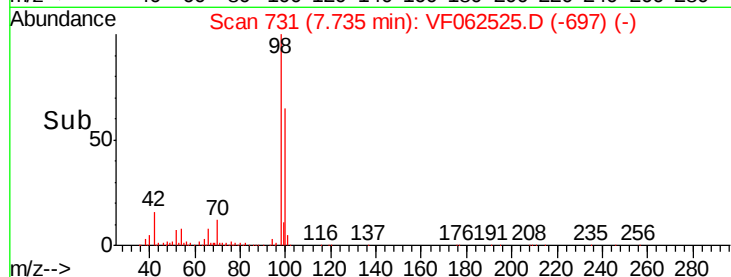
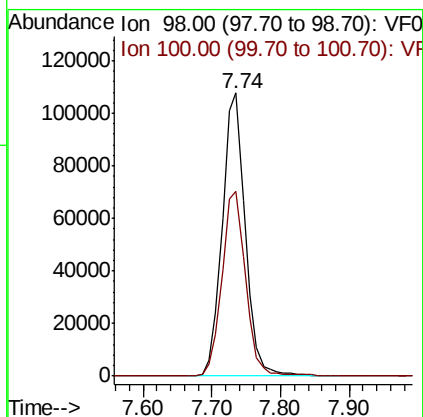
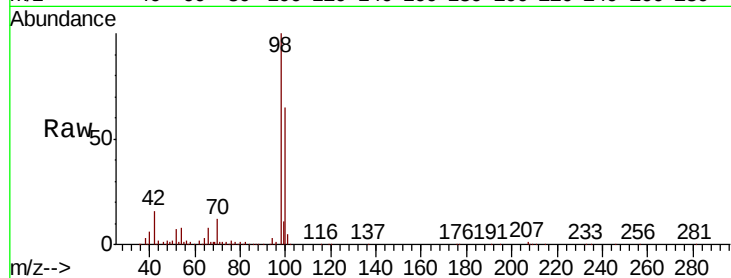
P021-SS006-0002-01

Tot Ion: 98 Resp: 249080

Ion Ratio Lower Upper

98 100

100 66.7 53.3 79.9



#51

4-Methyl-2-Pentanone

Concen: 1.080 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.03 min

Lab File: VF062525.D

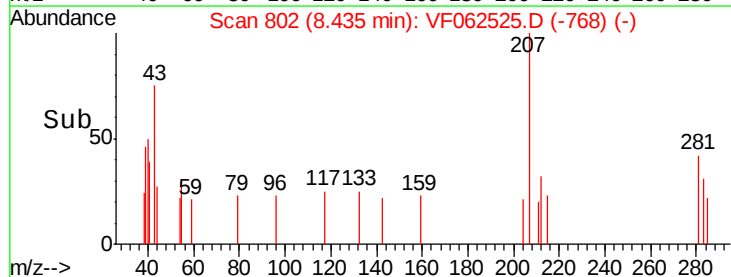
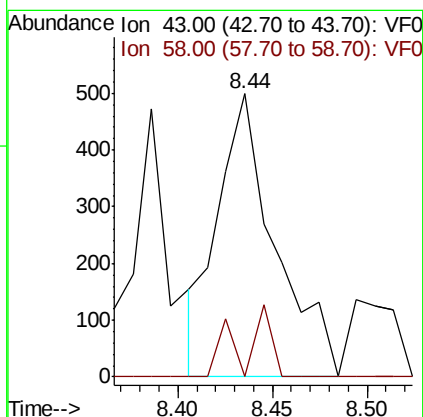
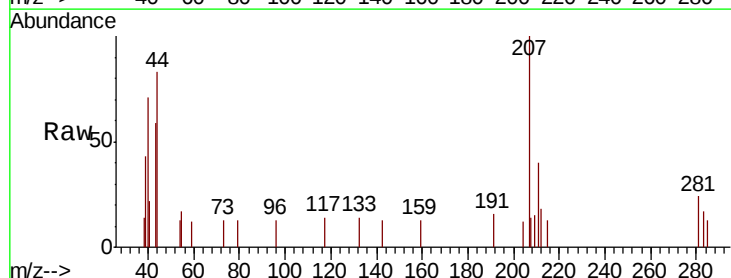
Acq: 13 May 2019 2:56

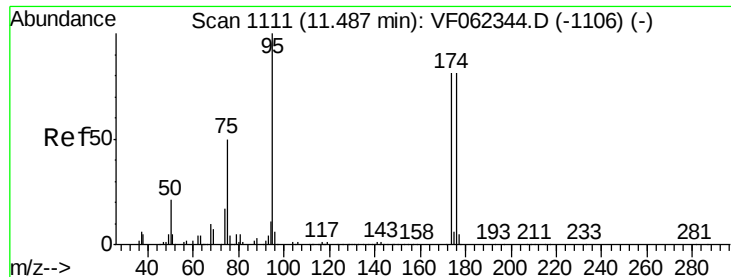
Tgt Ion: 43 Resp: 1046

Ion Ratio Lower Upper

43 100

58 5.7 27.8 41.6#





#62

4-Bromofluorobenzene

Concen: 34.676 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.02 min

Lab File: VF062525.D

Acq: 13 May 2019 2:56

Instrument :

MSVOA_F

ClientSampleId :

P021-SS006-0002-01

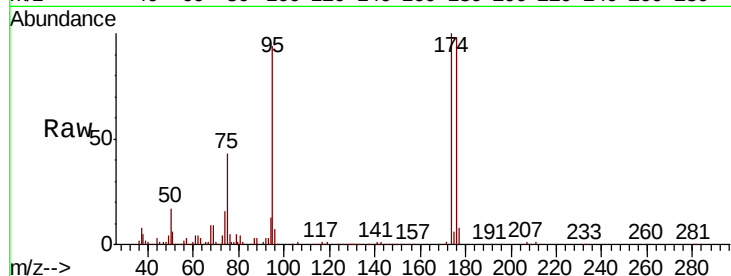
Tot Ion: 95 Resp: 98661

Ion Ratio Lower Upper

95 100

174 98.1 0.0 191.8

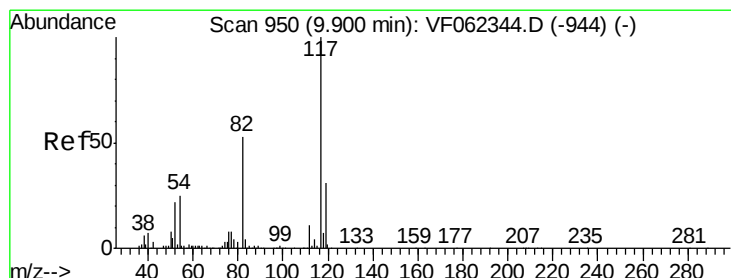
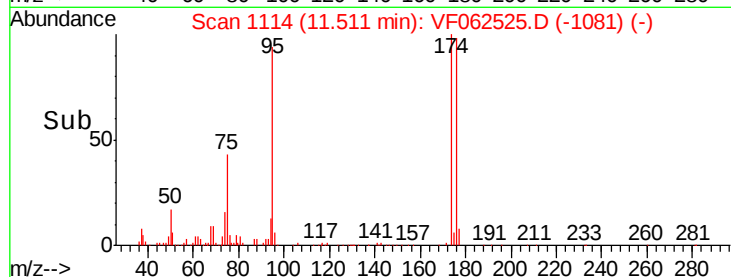
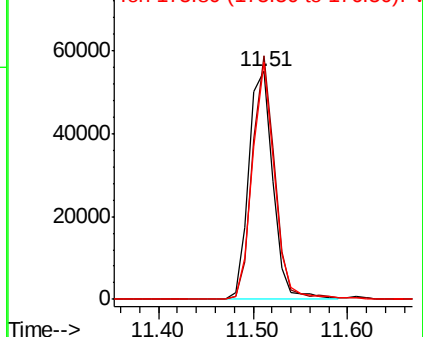
176 95.1 0.0 193.2



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): VF0

Ion 175.80 (175.50 to 176.50): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 953

Delta R.T. 0.02 min

Lab File: VF062525.D

Acq: 13 May 2019 2:56

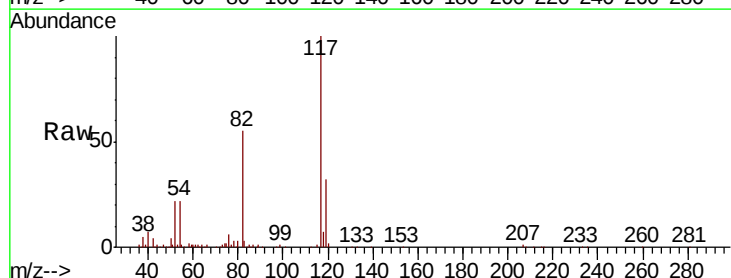
Tgt Ion: 117 Resp: 261579

Ion Ratio Lower Upper

117 100

82 54.6 42.2 63.2

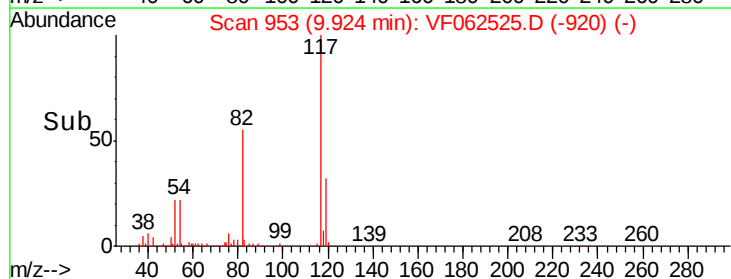
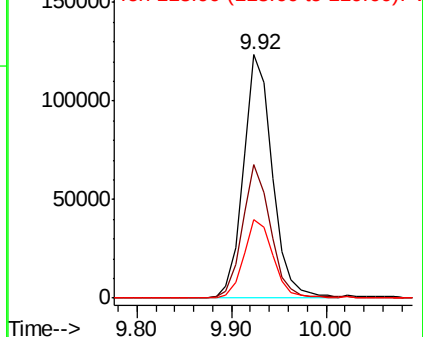
119 32.0 25.0 37.4

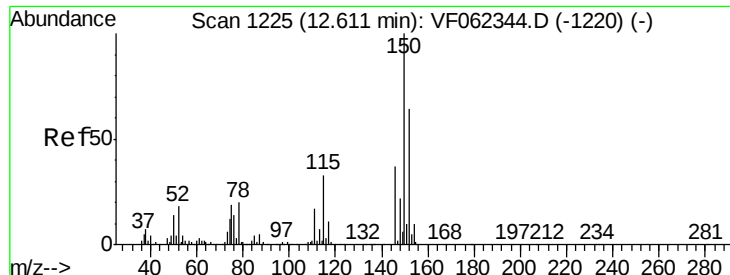


Abundance Ion 116.90 (116.60 to 117.60): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): VF0



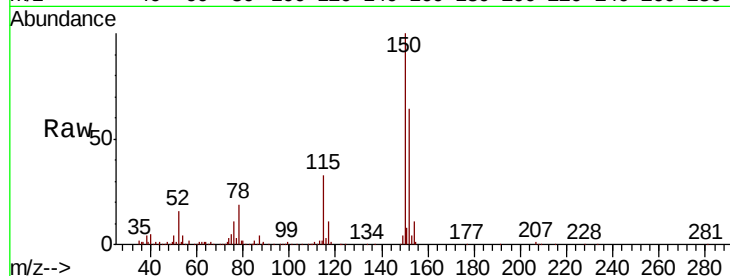


#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.62 min Scan# 1227
 Delta R.T. 0.01 min
 Lab File: VF062525.D
 Acq: 13 May 2019 2:56

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS006-0002-01

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.1	26.4	79.2
150	157.3	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

