

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062524.D
 Acq On : 13 May 2019 2:28
 Operator : FY/SY
 Sample : K2756-05RE
 Misc : 5.92g/5mL/MSVOA F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS005-1824-01

Quant Time: May 13 04:51:39 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	300401	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.80	114	406396	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.93	117	335206	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	189126	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	111370	39.23	ug/l	0.03
Spiked Amount 50.000			Recovery	=	78.46%	
35) Dibromofluoromethane	4.33	113	137969	42.61	ug/l	0.02
Spiked Amount 50.000			Recovery	=	85.22%	
50) Toluene-d8	7.73	98	299072	38.16	ug/l	0.02
Spiked Amount 50.000			Recovery	=	76.32%	
62) 4-Bromofluorobenzene	11.51	95	125494	35.49	ug/l	0.02
Spiked Amount 50.000			Recovery	=	70.98%	

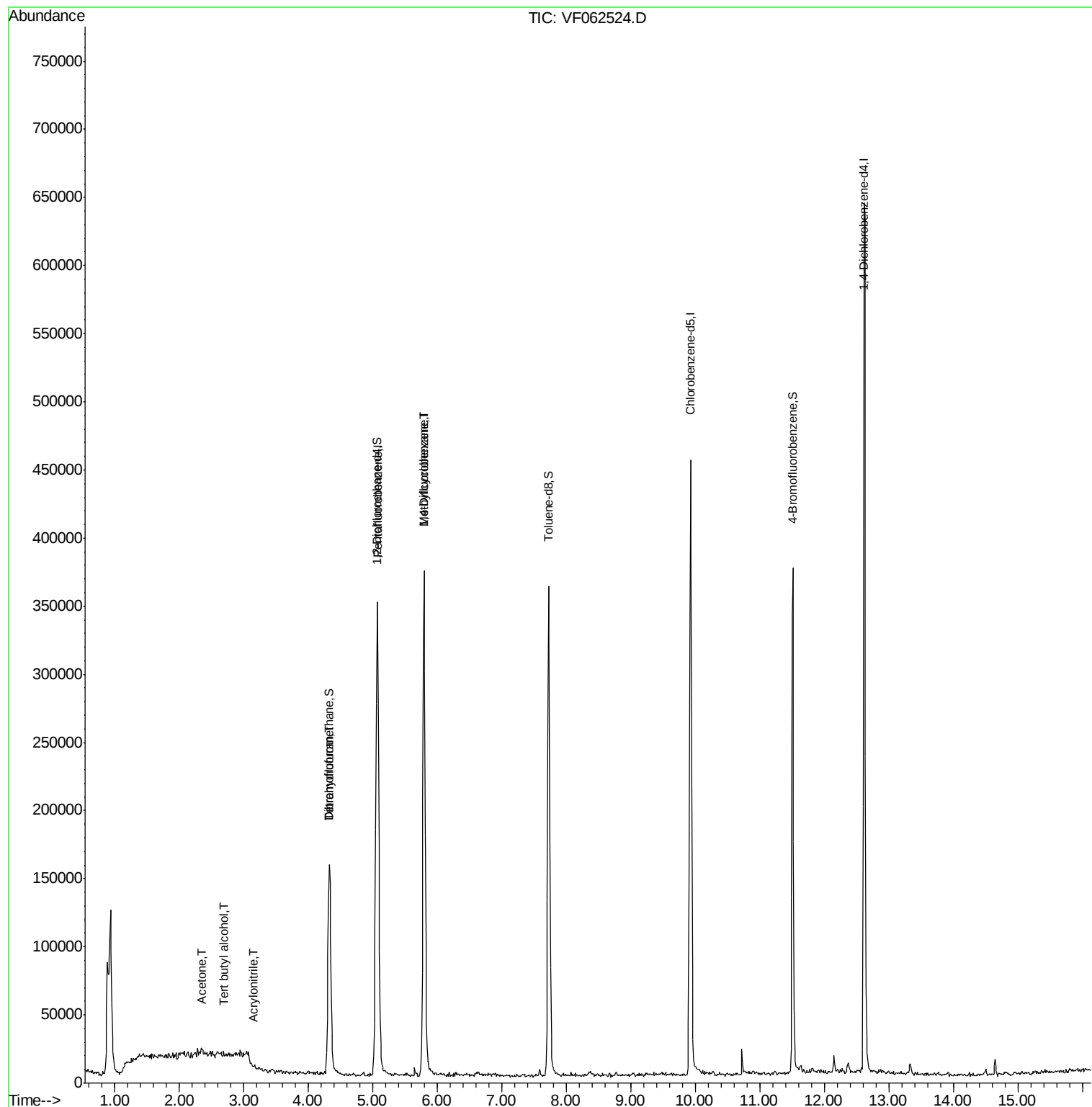
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.43	94	487	Below Cal	#	62
11) Tert butyl alcohol	2.69	59	493	3.073	ug/l #	1
13) Acrolein	2.14	56	598	Below Cal	#	1
15) Acrylonitrile	3.15	53	367	1.208	ug/l #	10
16) Acetone	2.35	43	5162	8.988	ug/l #	63
18) Methyl Acetate	2.49	43	1500	Below Cal	#	75
29) Tetrahydrofuran	4.33	42	795	2.397	ug/l #	46
37) Ethyl Acetate	4.32	43	377	Below Cal	#	73
38) Carbon Tetrachloride	4.20	117	67	Below Cal	#	1
39) Methylcyclohexane	5.79	83	6514	1.860	ug/l #	33
49) 1,4-Dioxane	6.83	88	61	Below Cal	#	1

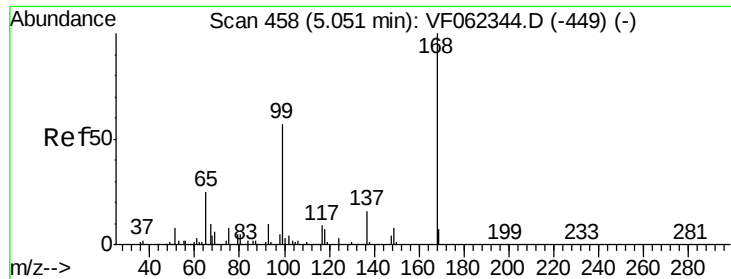
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051219\
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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. 0.02 min

Lab File: VF062524.D

Acq: 13 May 2019 2:28

Instrument :

MSVOA_F

ClientSampleId :

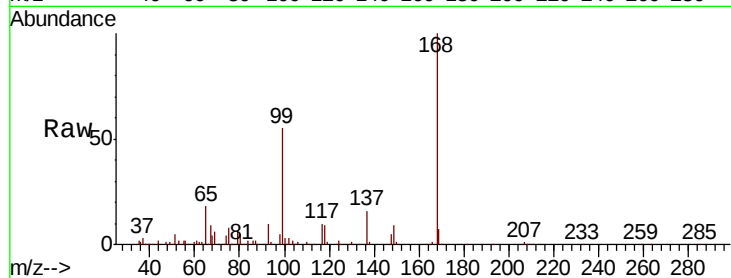
P021-SS005-1824-01

Tot Ion:168 Resp: 300401

Ion Ratio Lower Upper

168 100

99 55.3 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

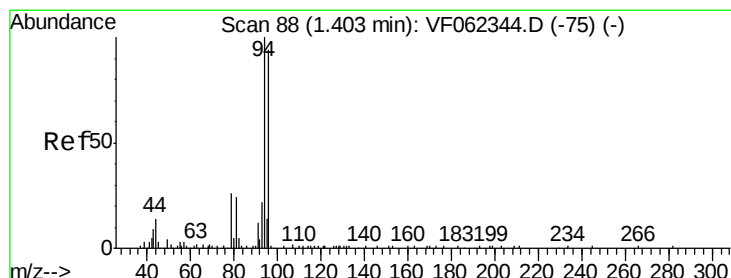
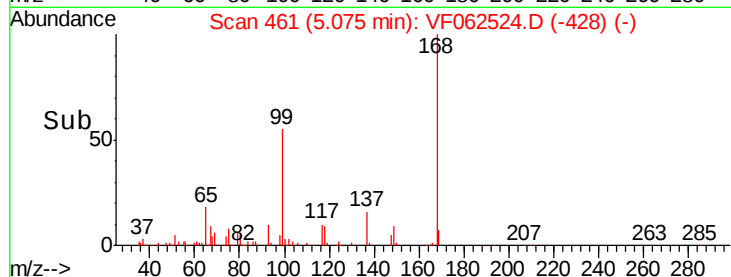
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.43 min Scan# 91

Delta R.T. 0.03 min

Lab File: VF062524.D

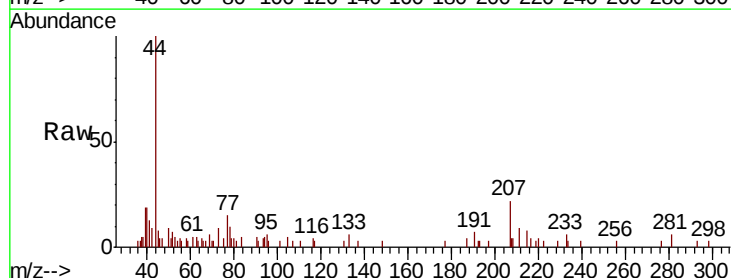
Acq: 13 May 2019 2:28

Tgt Ion: 94 Resp: 487

Ion Ratio Lower Upper

94 100

96 57.6 75.4 113.2#



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

1.43

400

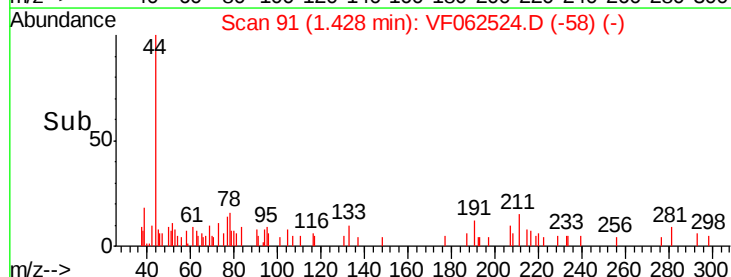
300

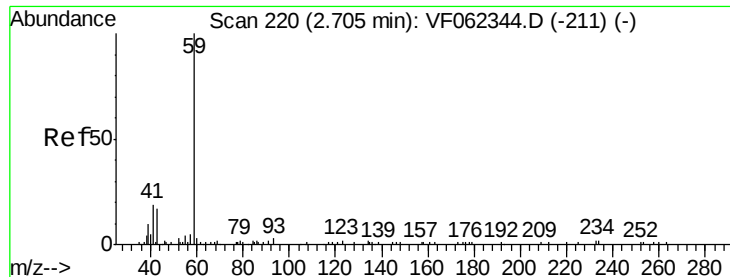
200

100

0

Time-->



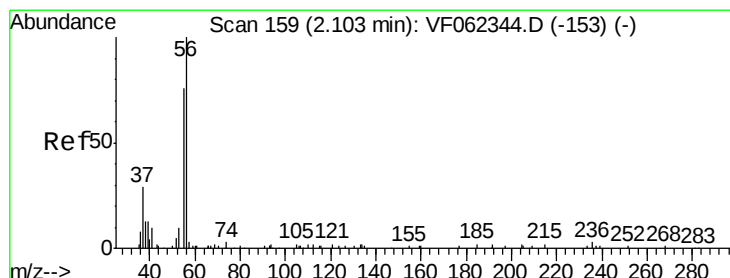
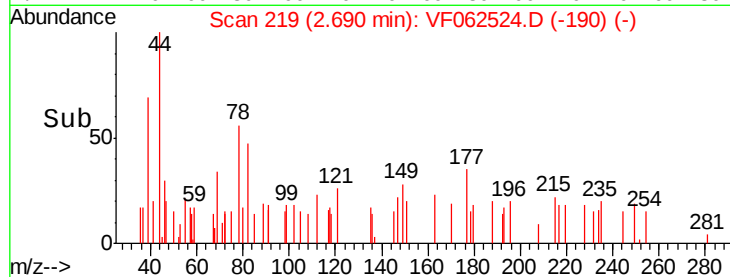
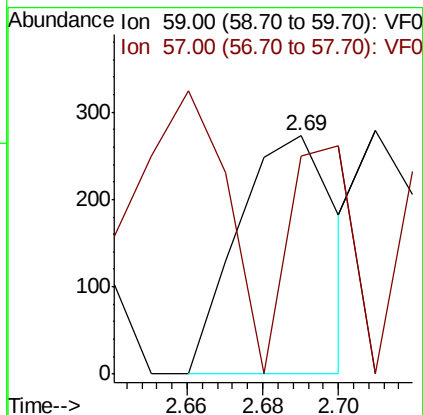
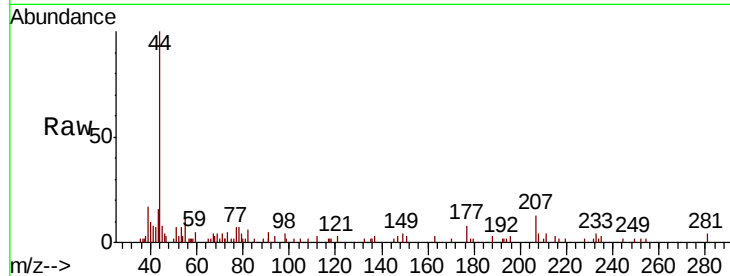


#11

Tert butyl alcohol
Concen: 3.073 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.01 min
Lab File: VF062524.D
Acq: 13 May 2019 2:28

Instrument :
MSVOA_F
ClientSampleId :
P021-SS005-1824-01

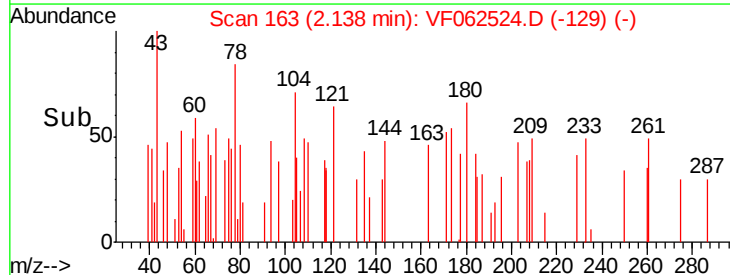
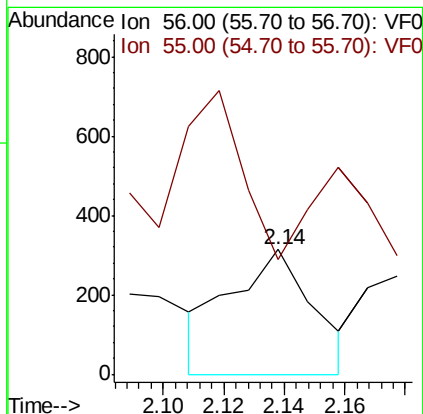
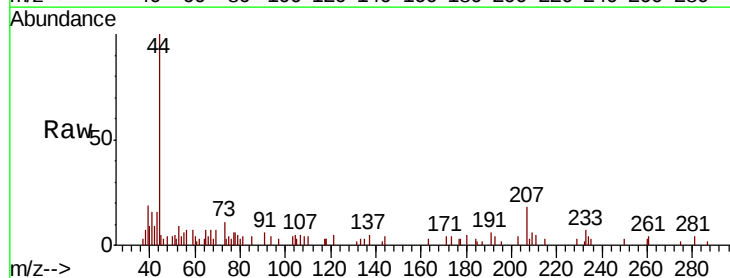
Tot Ion: 59 Resp: 493
Ion Ratio Lower Upper
59 100
57 61.3 9.3 13.9#

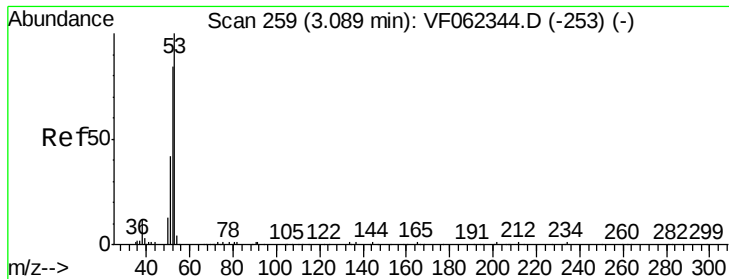


#13

Acrolein
Concen: Below Cal
RT: 2.14 min Scan# 163
Delta R.T. 0.04 min
Lab File: VF062524.D
Acq: 13 May 2019 2:28

Tgt Ion: 56 Resp: 598
Ion Ratio Lower Upper
56 100
55 206.5 58.4 87.6#





#15

Acrylonitrile

Concen: 1.208 ug/l

RT: 3.15 min Scan# 266

Delta R.T. 0.06 min

Lab File: VF062524.D

Acq: 13 May 2019 2:28

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-1824-01

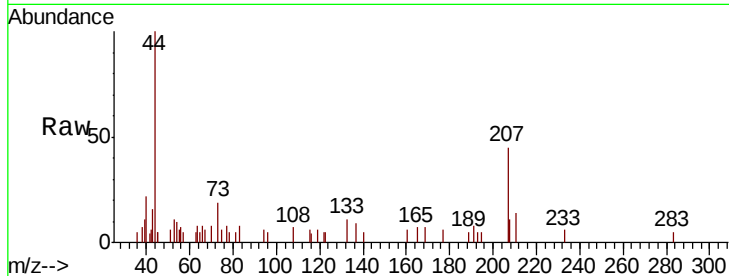
Tot Ion: 53 Resp: 367

Ion Ratio Lower Upper

53 100

52 0.0 77.2 115.8#

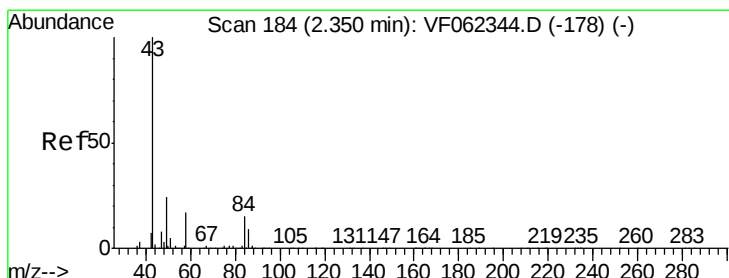
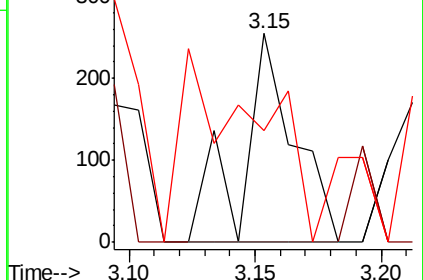
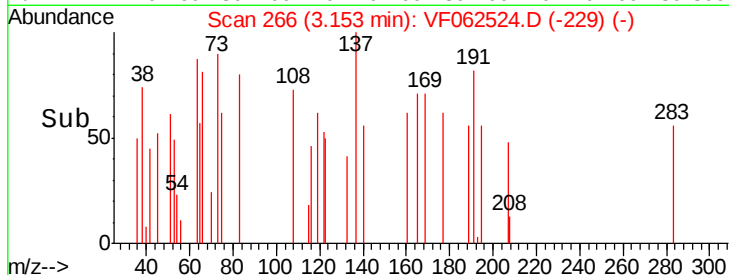
51 0.0 40.6 61.0#



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: 8.988 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062524.D

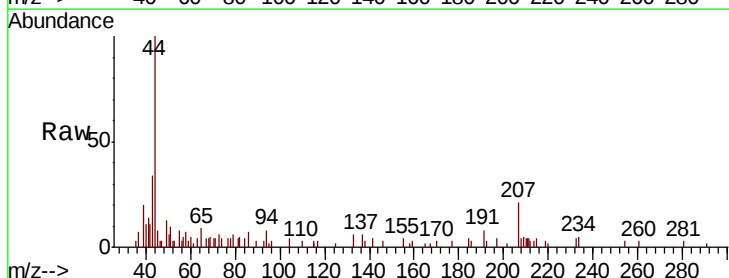
Acq: 13 May 2019 2:28

Tgt Ion: 43 Resp: 5162

Ion Ratio Lower Upper

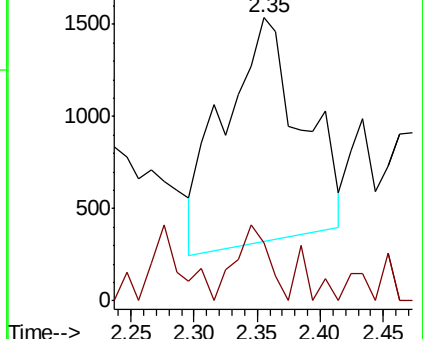
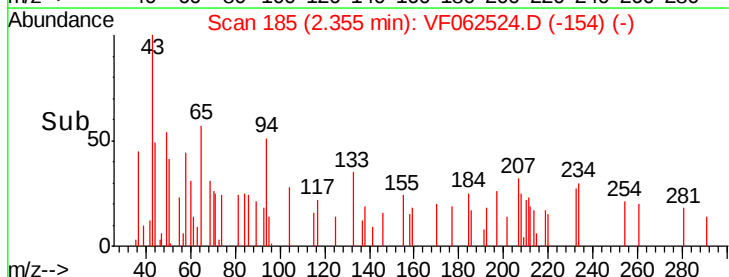
43 100

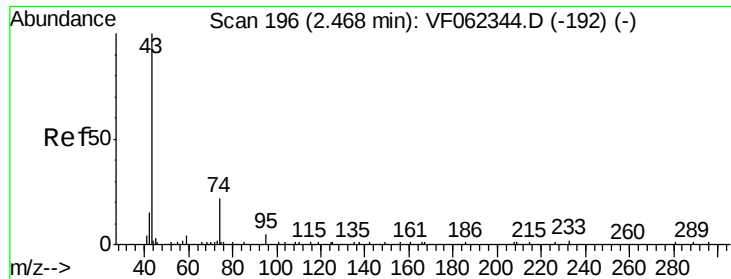
58 32.1 13.1 19.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

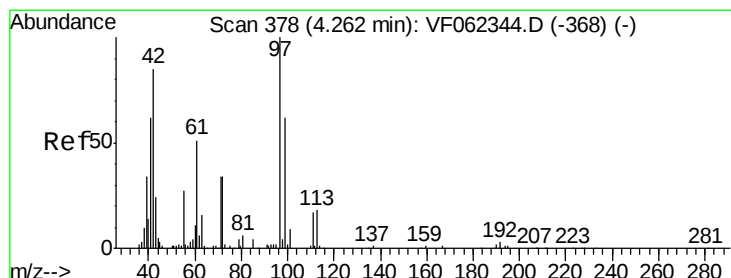
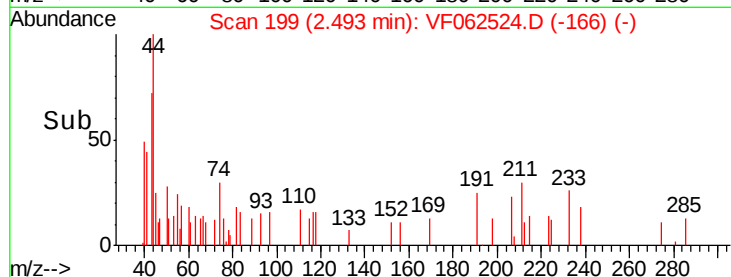
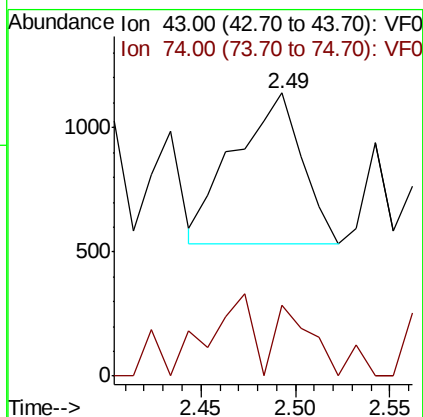
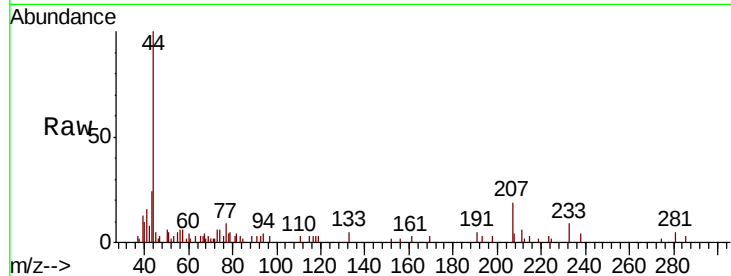




#18
Methyl Acetate
Concen: Below Cal
RT: 2.49 min Scan# 199
Delta R.T. 0.02 min
Lab File: VF062524.D
Acq: 13 May 2019 2:28

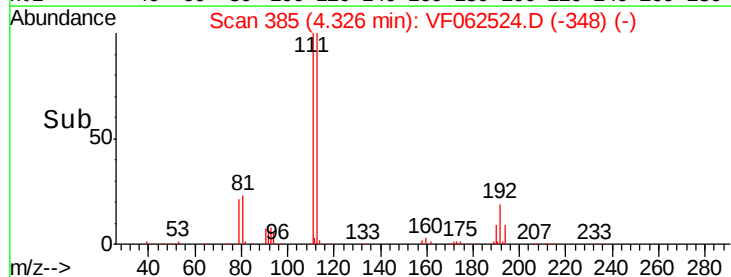
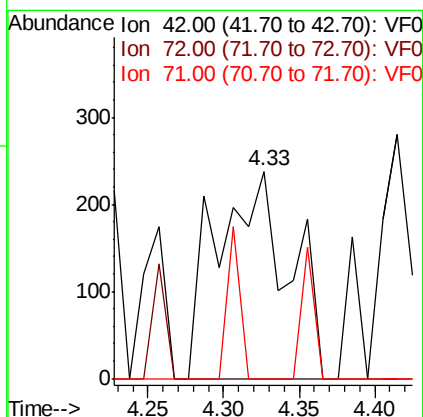
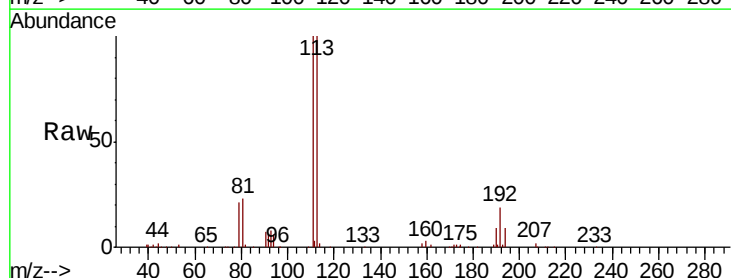
Instrument :
MSVOA_F
ClientSampleId :
P021-SS005-1824-01

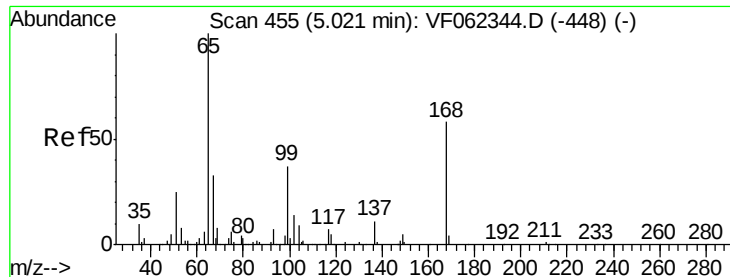
Tot Ion: 43 Resp: 1500
Ion Ratio Lower Upper
43 100
74 30.1 15.0 22.4#



#29
Tetrahydrofuran
Concen: 2.397 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.06 min
Lab File: VF062524.D
Acq: 13 May 2019 2:28

Tgt Ion: 42 Resp: 795
Ion Ratio Lower Upper
42 100
72 0.0 31.4 47.0#
71 13.0 31.7 47.5#





#33

1,2-Dichloroethane-d4

Concen: 39.230 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.03 min

Lab File: VF062524.D

Acq: 13 May 2019 2:28

Instrument :

MSVOA_F

ClientSampleId :

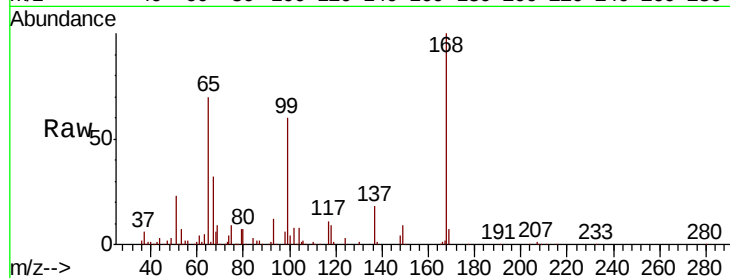
P021-SS005-1824-01

Tot Ion: 65 Resp: 111370

Ion Ratio Lower Upper

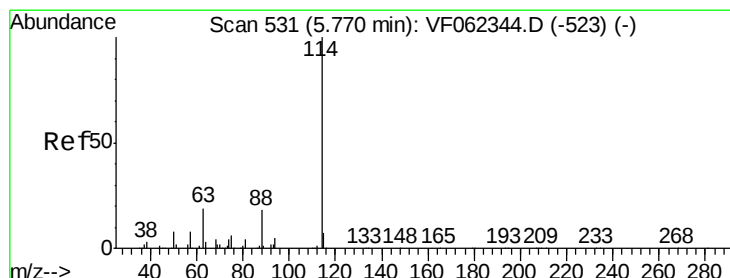
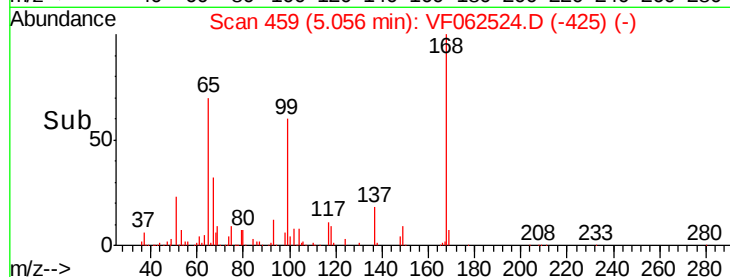
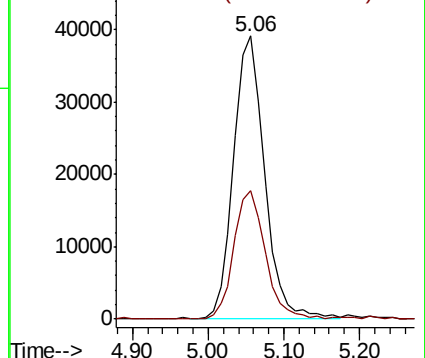
65 100

67 45.9 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: 5.80 min Scan# 534

Delta R.T. 0.02 min

Lab File: VF062524.D

Acq: 13 May 2019 2:28

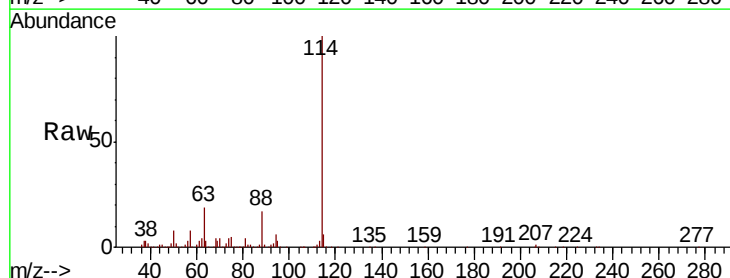
Tgt Ion: 114 Resp: 406396

Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.4

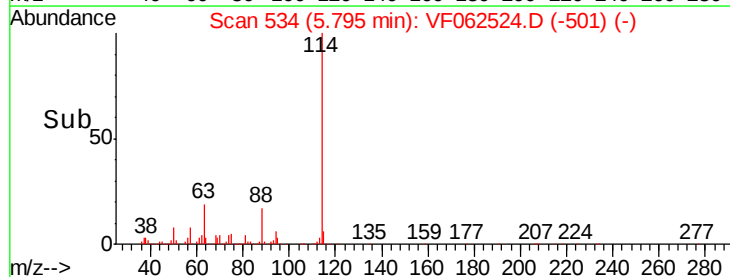
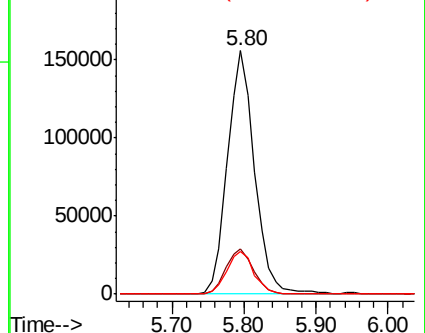
88 17.5 0.0 36.4

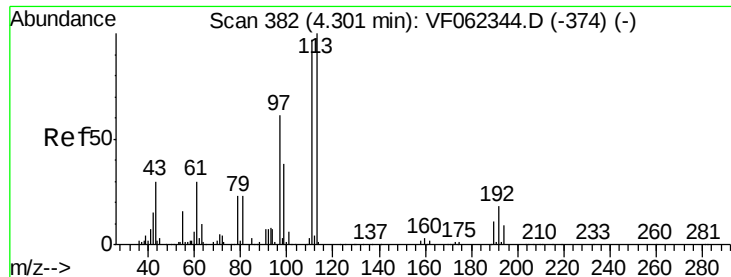


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

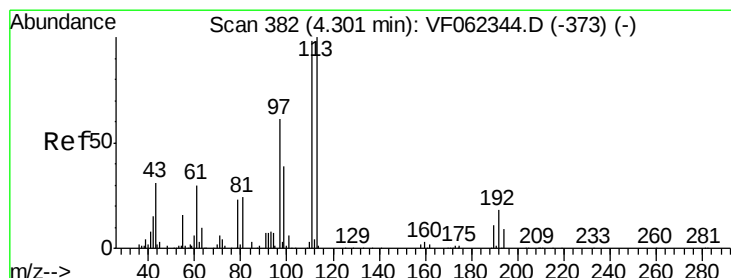
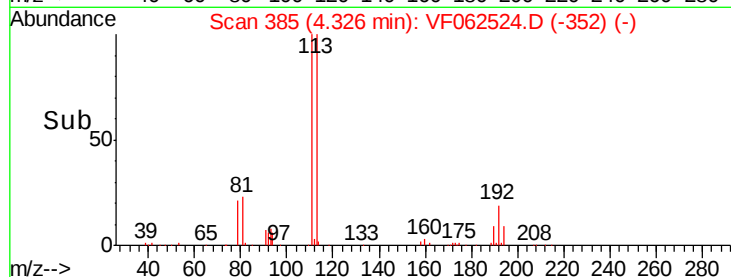
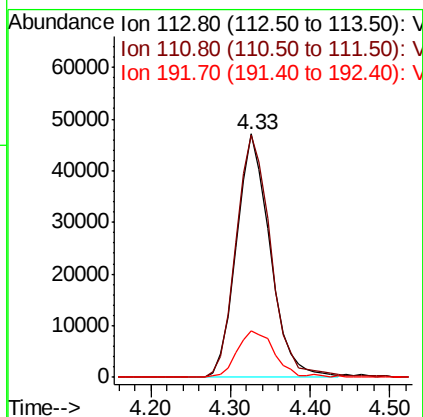
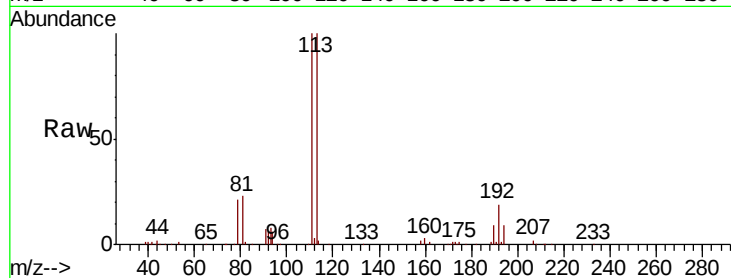




#35
Dibromofluoromethane
Concen: 42.613 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.02 min
Lab File: VF062524.D
Acq: 13 May 2019 2:28

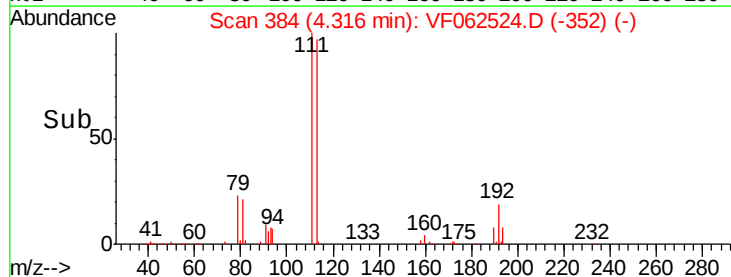
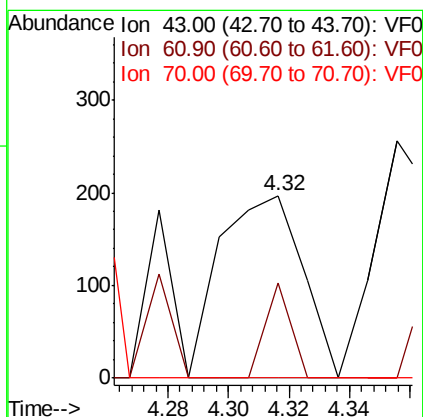
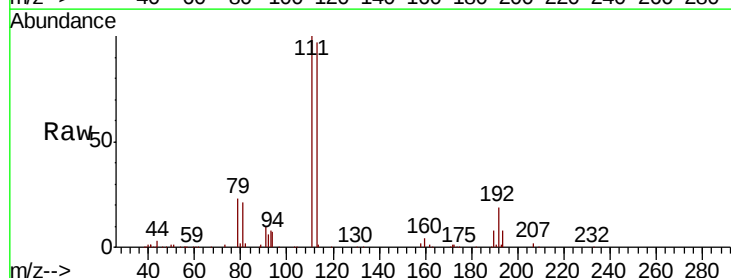
Instrument :
MSVOA_F
ClientSampleId :
P021-SS005-1824-01

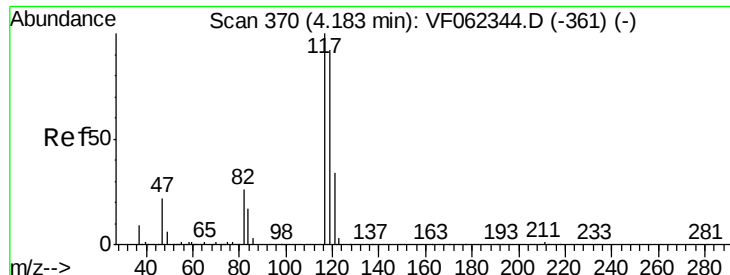
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	79.4	119.0
192	20.8	16.0	24.0



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.32 min Scan# 384
Delta R.T. 0.02 min
Lab File: VF062524.D
Acq: 13 May 2019 2:28

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.9	0.0	0.0#
70	0.0	8.2	12.2#





#38

Carbon Tetrachloride

Concen: Below Cal

RT: 4.20 min Scan# 372

Delta R.T. 0.02 min

Lab File: VF062524.D

Acq: 13 May 2019 2:28

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-1824-01

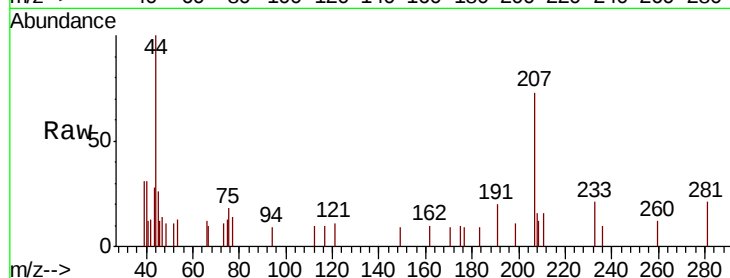
Tot Ion:117 Resp: 67

Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

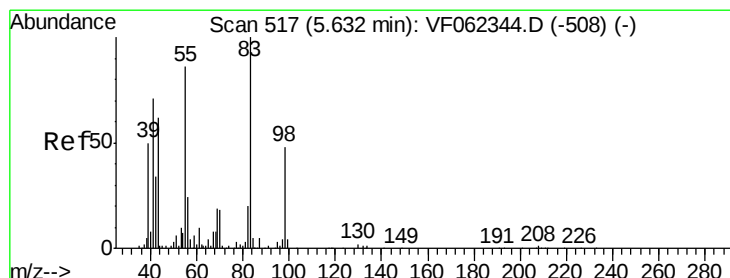
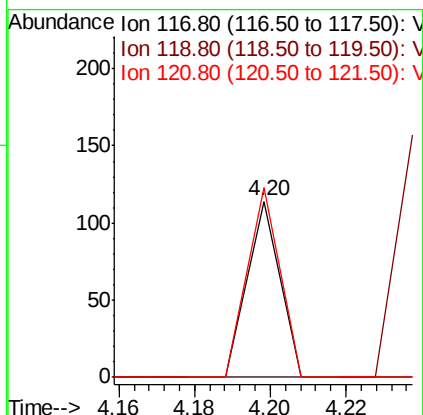
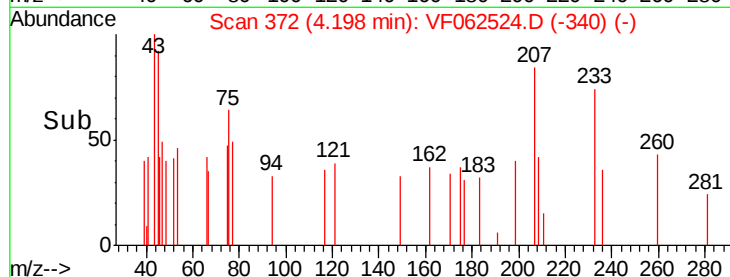
121 107.9 27.4 41.0#



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: 1.860 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.15 min

Lab File: VF062524.D

Acq: 13 May 2019 2:28

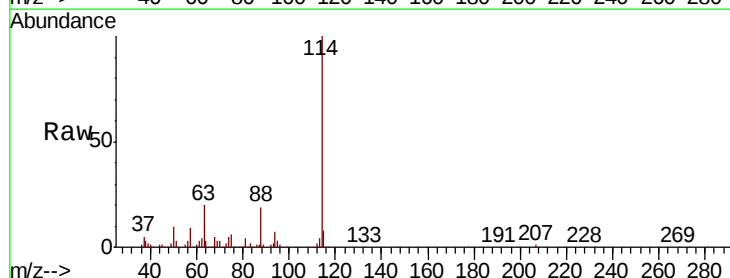
Tgt Ion: 83 Resp: 6514

Ion Ratio Lower Upper

83 100

55 26.4 69.0 103.6#

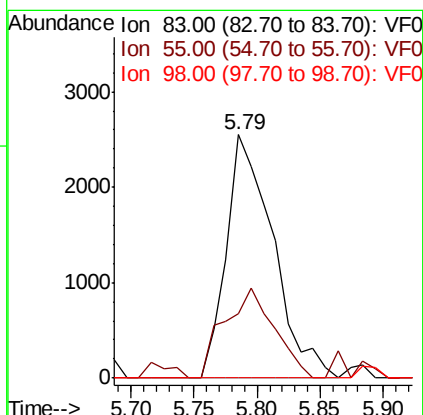
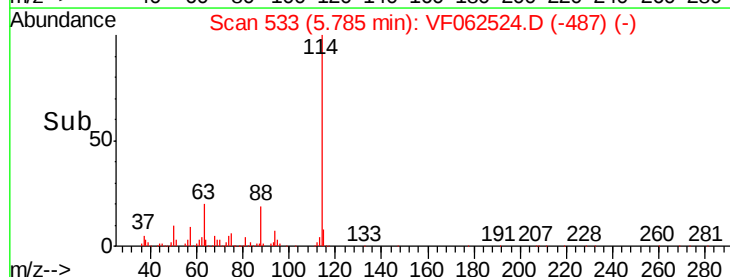
98 0.0 38.6 58.0#

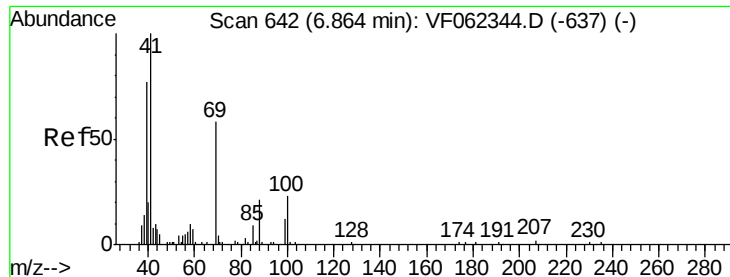


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#49

1,4-Dioxane

Concen: Below Cal

RT: 6.83 min Scan# 639

Delta R.T. -0.03 min

Lab File: VF062524.D

Acq: 13 May 2019 2:28

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-1824-01

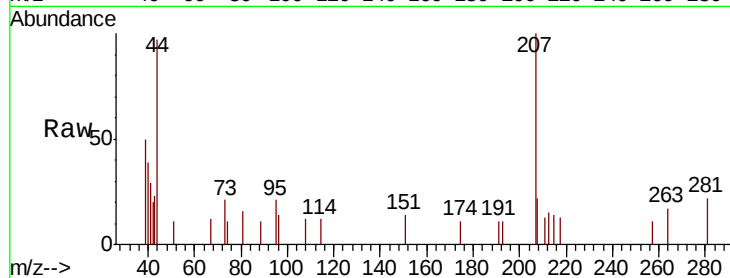
Tot Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 298.4 55.6 83.4#

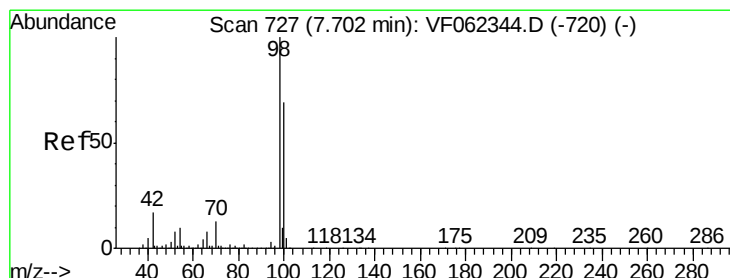
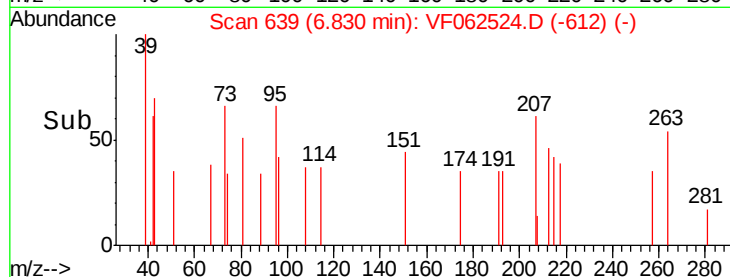
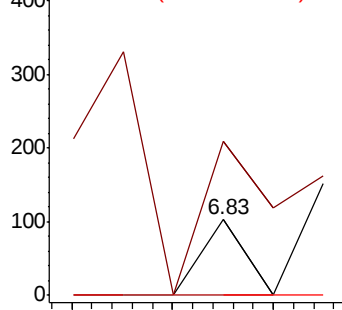
58 0.0 52.8 79.2#



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: 38.160 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.02 min

Lab File: VF062524.D

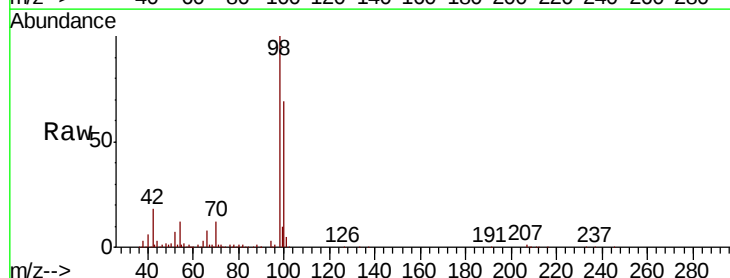
Acq: 13 May 2019 2:28

Tgt Ion: 98 Resp: 299072

Ion Ratio Lower Upper

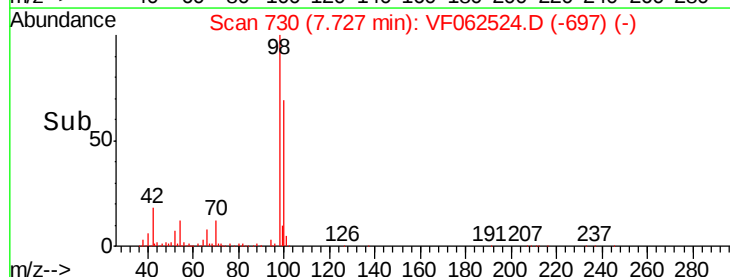
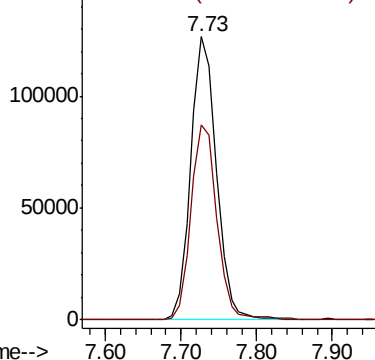
98 100

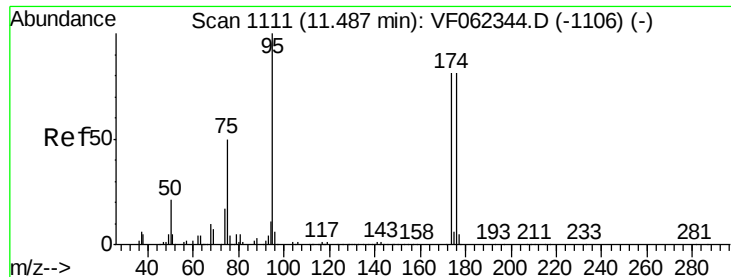
100 69.3 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#62

4-Bromofluorobenzene

Concen: 35.491 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.02 min

Lab File: VF062524.D

Acq: 13 May 2019 2:28

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-1824-01

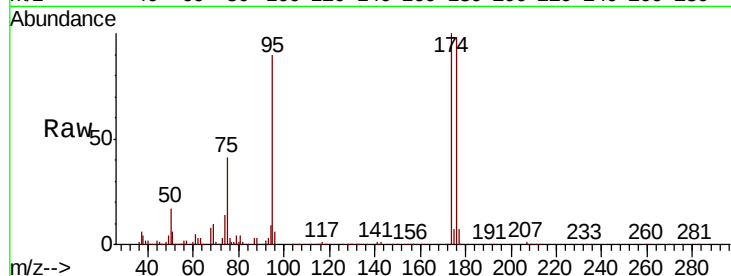
Tot Ion: 95 Resp: 125494

Ion Ratio Lower Upper

95 100

174 99.1 0.0 191.8

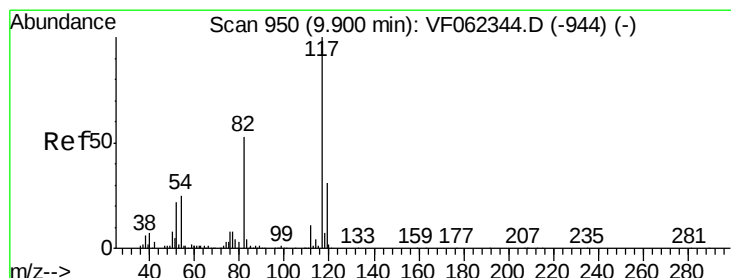
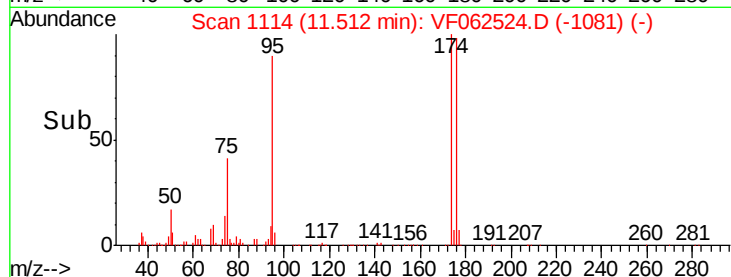
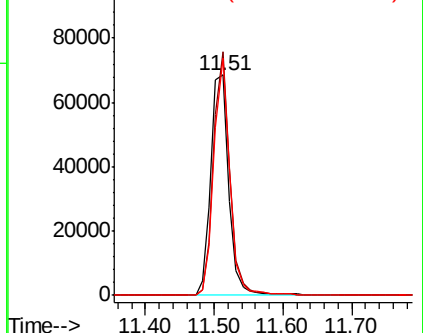
176 95.4 0.0 193.2



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: 9.93 min Scan# 953

Delta R.T. 0.02 min

Lab File: VF062524.D

Acq: 13 May 2019 2:28

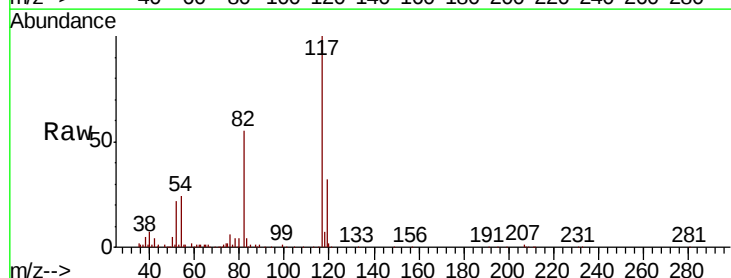
Tgt Ion: 117 Resp: 335206

Ion Ratio Lower Upper

117 100

82 54.5 42.2 63.2

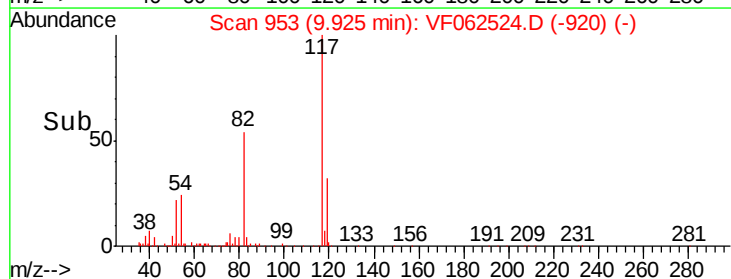
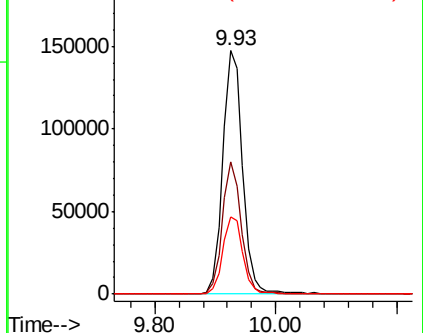
119 31.6 25.0 37.4

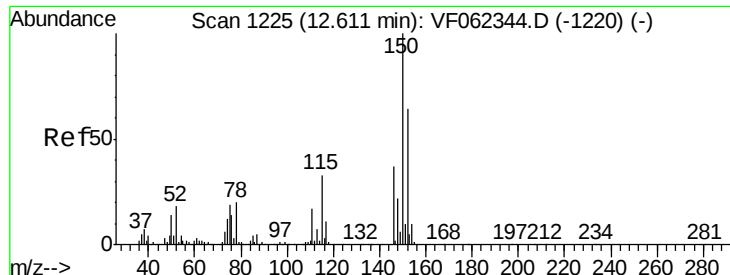


Abundance Ion 116.90 (116.60 to 117.60): VF0

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: 12.63 min Scan# 1227

Delta R.T. 0.02 min

Lab File: VF062524.D

Acq: 13 May 2019 2:28

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-1824-01

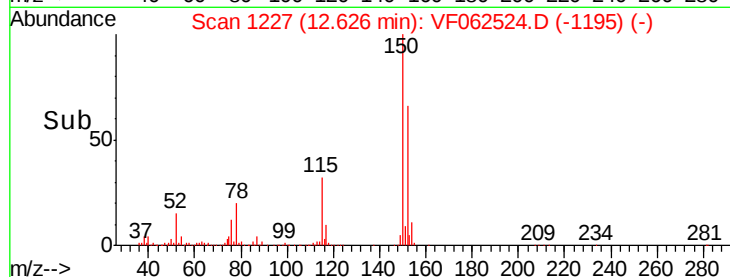
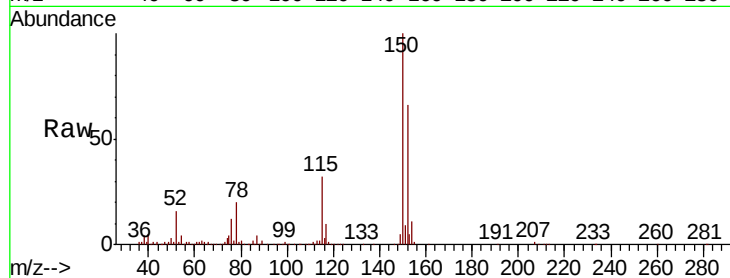
Tot Ion:152 Resp: 189126

Ion Ratio Lower Upper

152 100

115 52.7 26.4 79.2

150 151.4 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

