

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051319\
 Data File : VF062551.D
 Acq On : 13 May 2019 19:39
 Operator : FY/SY
 Sample : K2734-10RE
 Misc : 5.82g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P026-SS012-1824-01

Quant Time: May 14 07:04:15 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	348869	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.80	114	463897	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	350437	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	152135	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	142754	43.30	ug/l	0.04
Spiked Amount			Recovery	=	86.60%	
35) Dibromofluoromethane	4.33	113	179618	48.60	ug/l	0.03
Spiked Amount			Recovery	=	97.20%	
50) Toluene-d8	7.73	98	334092	37.34	ug/l	0.03
Spiked Amount			Recovery	=	74.68%	
62) 4-Bromofluorobenzene	11.50	95	123711	30.65	ug/l	0.02
Spiked Amount			Recovery	=	61.30%	

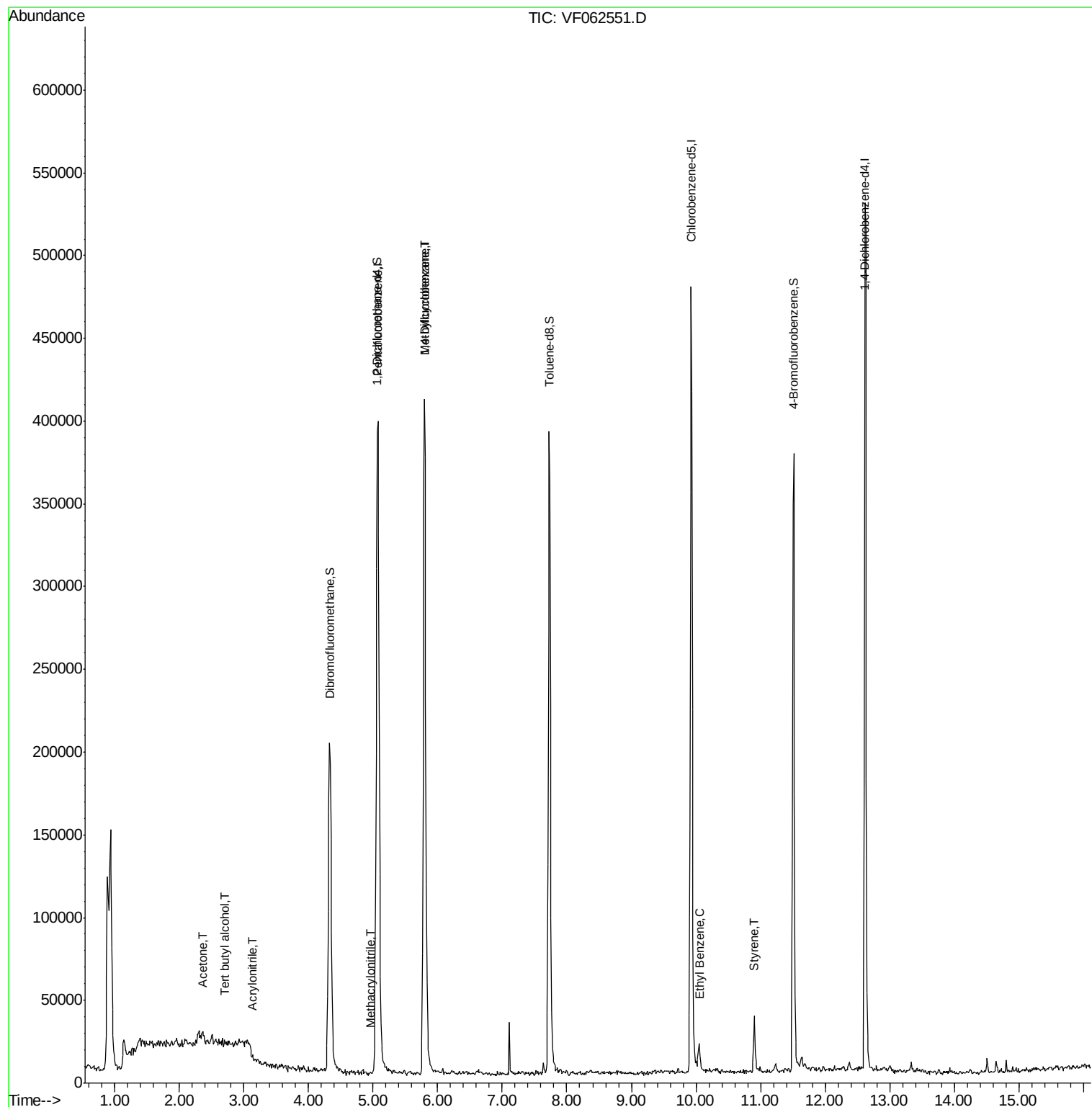
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.42	94	510	Below Cal	#	64
11) Tert butyl alcohol	2.71	59	796	4.272	ug/l #	1
13) Acrolein	2.11	56	594	Below Cal		83
15) Acrylonitrile	3.12	53	604	1.711	ug/l #	1
16) Acetone	2.36	43	10537	15.799	ug/l	96
18) Methyl Acetate	2.50	43	2054	Below Cal	#	58
37) Ethyl Acetate	4.29	43	677	Below Cal	#	100
38) Carbon Tetrachloride	4.28	117	77	Below Cal	#	14
39) Methylcyclohexane	5.80	83	6899	1.726	ug/l #	38
41) Methacrylonitrile	4.97	41	968	1.013	ug/l #	46
49) 1,4-Dioxane	6.94	88	90	Below Cal	#	1
67) Ethyl Benzene	10.05	91	12956	1.276	ug/l	99
70) Styrene	10.91	104	17267	2.846	ug/l	97

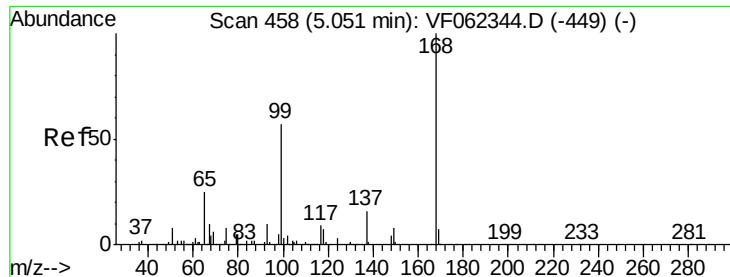
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF062551.D

Acq: 13 May 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

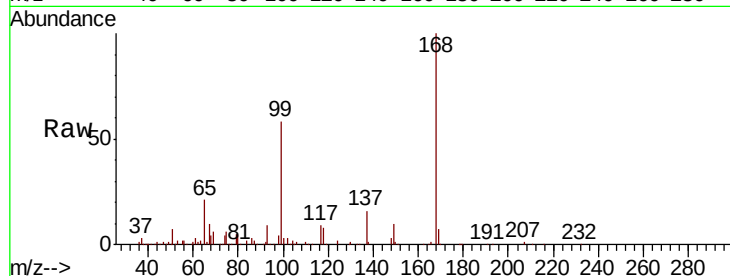
P026-SS012-1824-01

Tot Ion:168 Resp: 348869

Ion Ratio Lower Upper

168 100

99 57.7 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

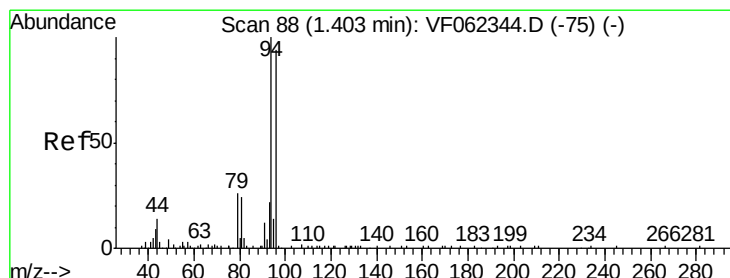
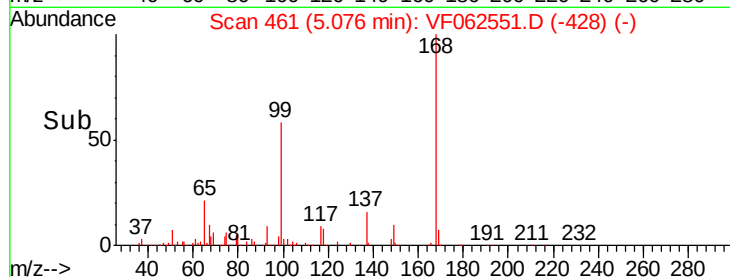
5.08

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.42 min Scan# 90

Delta R.T. 0.02 min

Lab File: VF062551.D

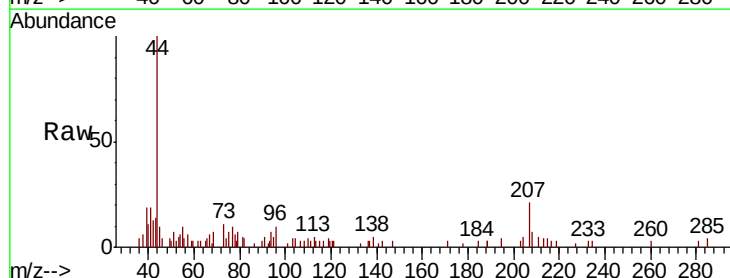
Acq: 13 May 2019 19:39

Tgt Ion: 94 Resp: 510

Ion Ratio Lower Upper

94 100

96 129.1 75.4 113.2#



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

1.42

500

400

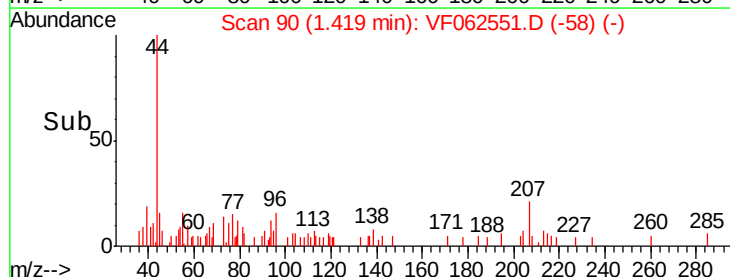
300

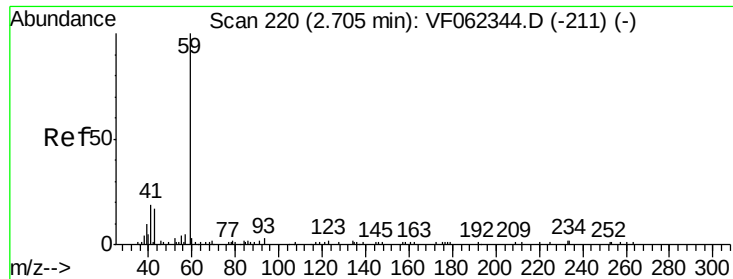
200

100

0

Time-->

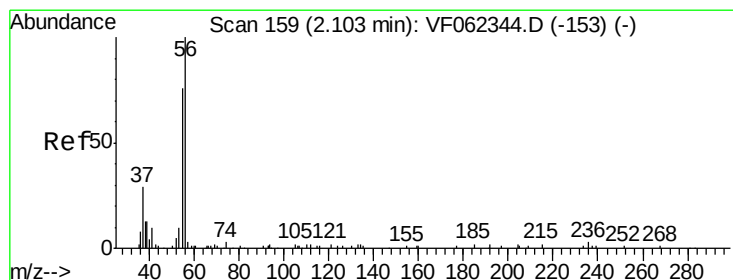
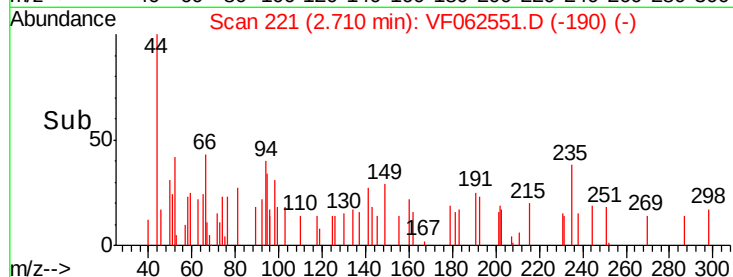
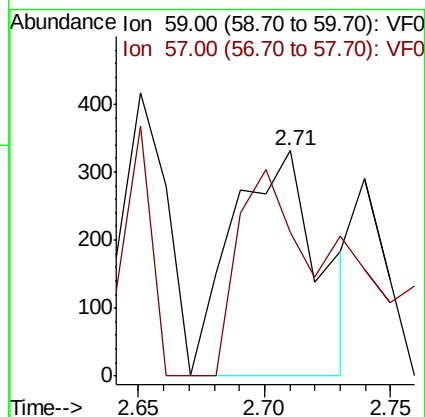
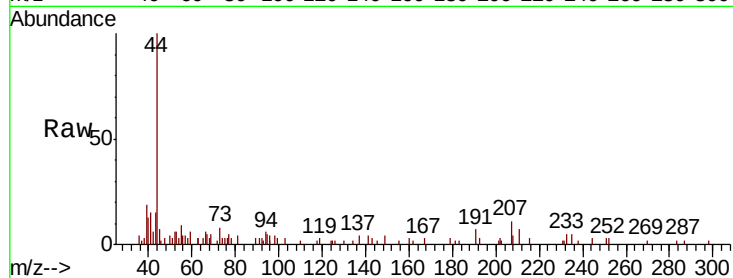




#11
Tert butyl alcohol
Concen: 4.272 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062551.D
Acq: 13 May 2019 19:39

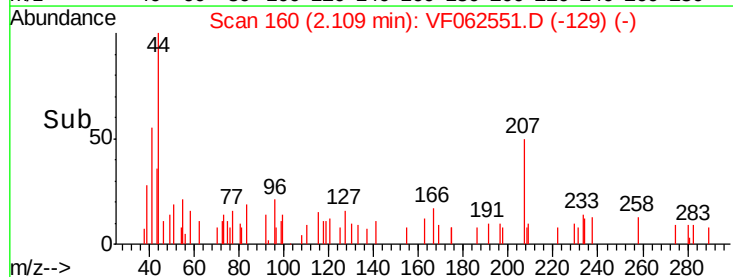
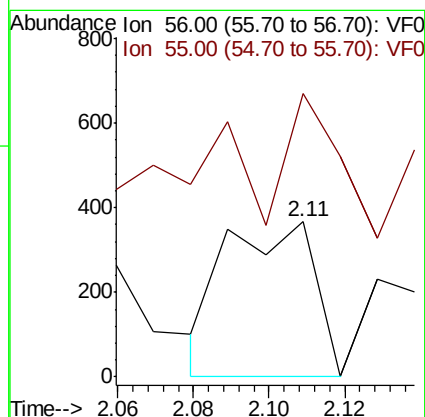
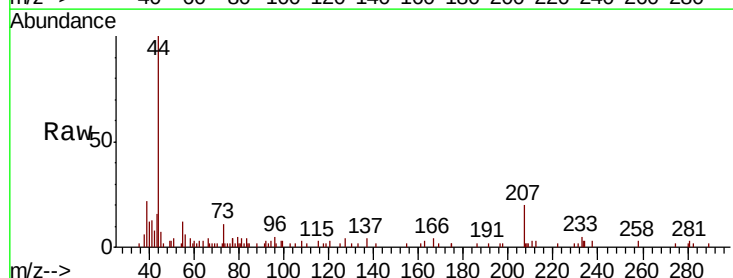
Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-1824-01

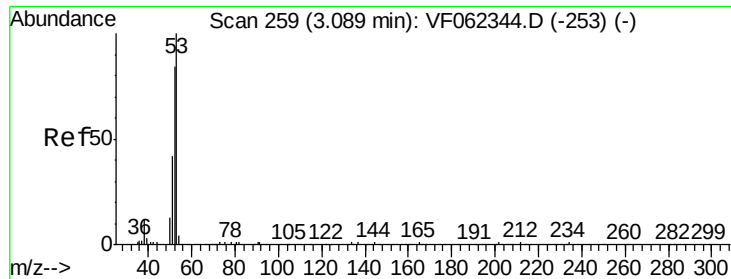
Tot Ion: 59 Resp: 796
Ion Ratio Lower Upper
59 100
57 122.6 9.3 13.9#



#13
Acrolein
Concen: Below Cal
RT: 2.11 min Scan# 160
Delta R.T. 0.01 min
Lab File: VF062551.D
Acq: 13 May 2019 19:39

Tgt Ion: 56 Resp: 594
Ion Ratio Lower Upper
56 100
55 87.5 58.4 87.6





#15

Acrylonitrile

Concen: 1.711 ug/l

RT: 3.12 min Scan# 263

Delta R.T. 0.04 min

Lab File: VF062551.D

Acq: 13 May 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-1824-01

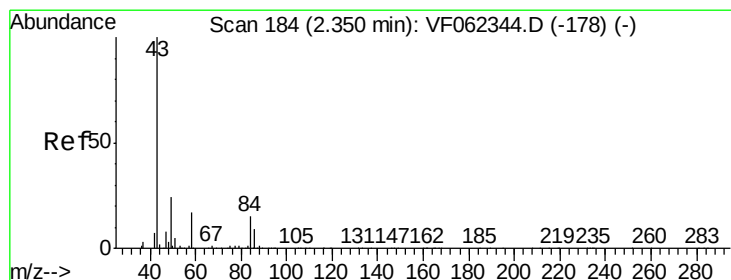
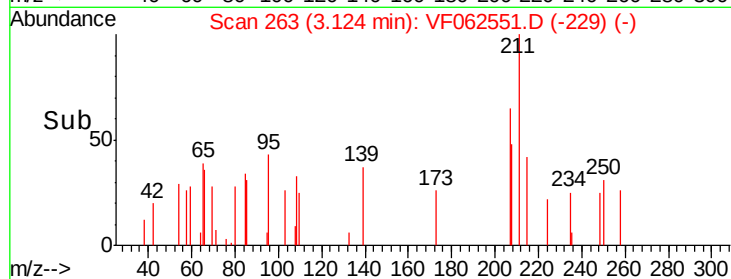
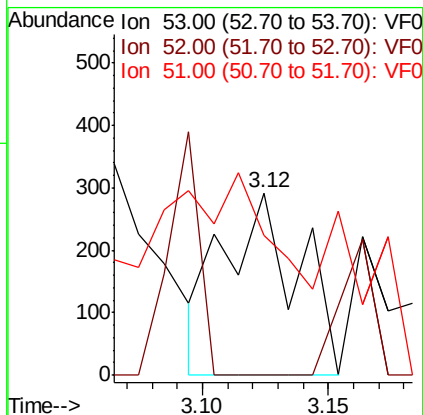
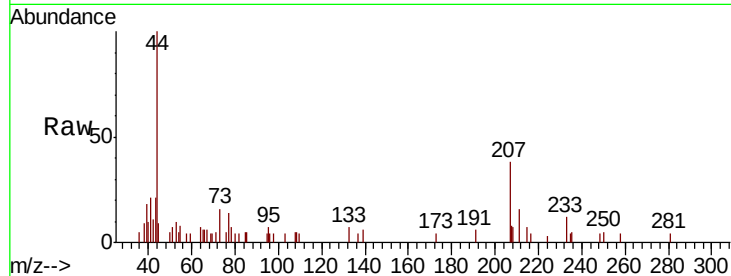
Tot Ion: 53 Resp: 604

Ion Ratio Lower Upper

53 100

52 0.0 77.2 115.8#

51 126.7 40.6 61.0#



#16

Acetone

Concen: 15.799 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062551.D

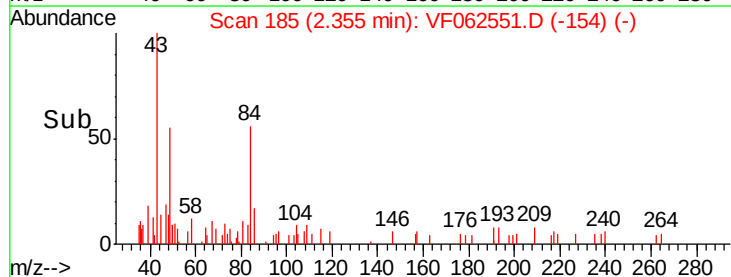
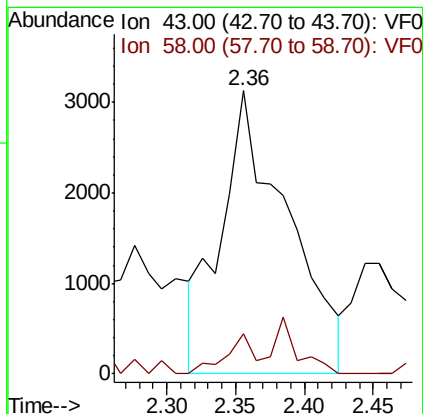
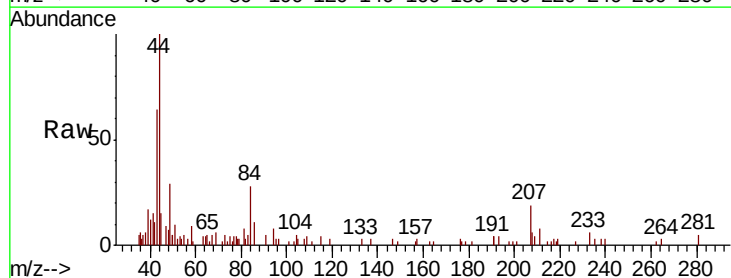
Acq: 13 May 2019 19:39

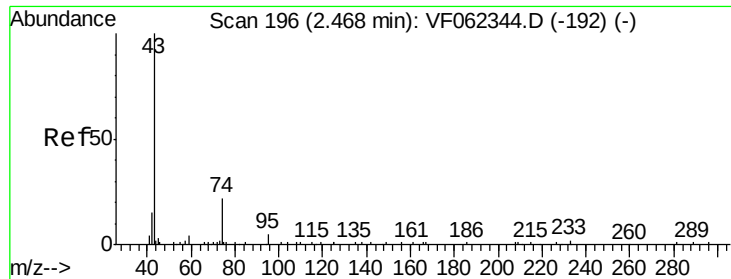
Tgt Ion: 43 Resp: 10537

Ion Ratio Lower Upper

43 100

58 18.1 13.1 19.7

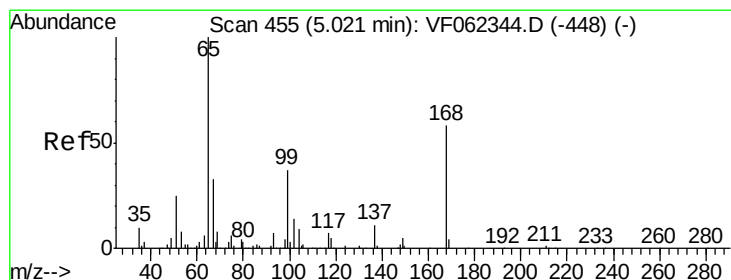
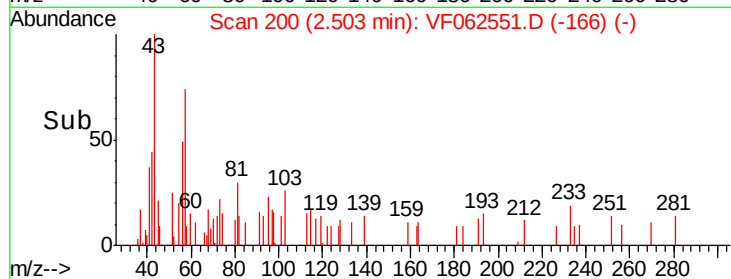
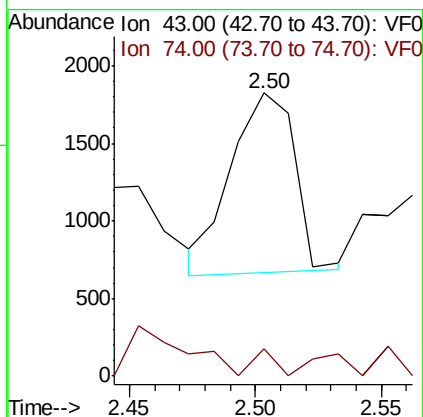
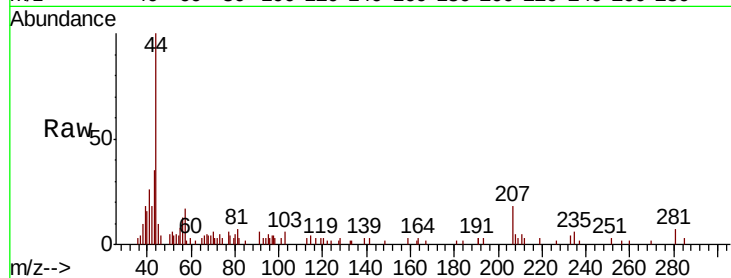




#18
Methyl Acetate
Concen: Below Cal
RT: 2.50 min Scan# 200
Delta R.T. 0.04 min
Lab File: VF062551.D
Acq: 13 May 2019 19:39

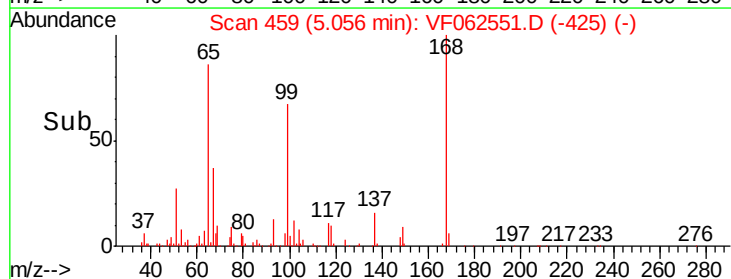
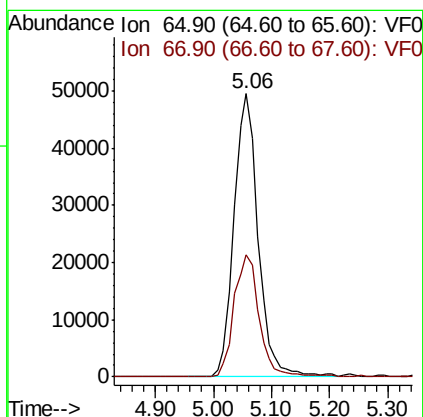
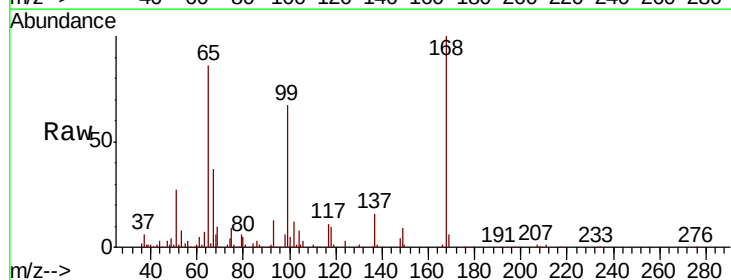
Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-1824-01

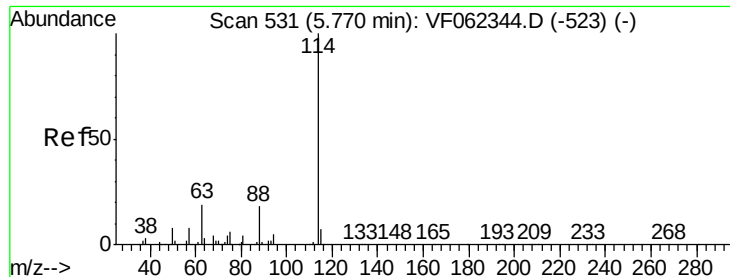
Tot Ion: 43 Resp: 2054
Ion Ratio Lower Upper
43 100
74 0.0 15.0 22.4#



#33
1,2-Dichloroethane-d4
Concen: 43.299 ug/l
RT: 5.06 min Scan# 459
Delta R.T. 0.04 min
Lab File: VF062551.D
Acq: 13 May 2019 19:39

Tgt Ion: 65 Resp: 142754
Ion Ratio Lower Upper
65 100
67 45.1 0.0 85.8

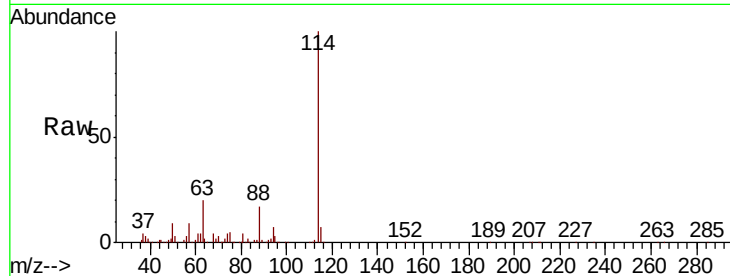




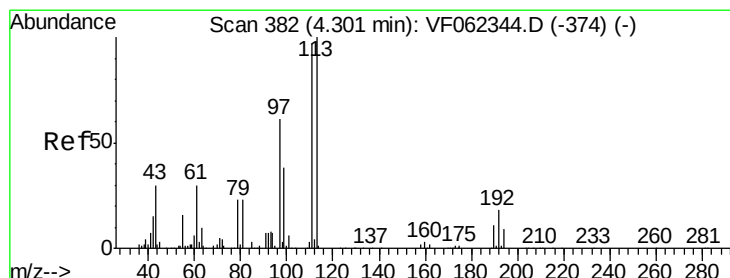
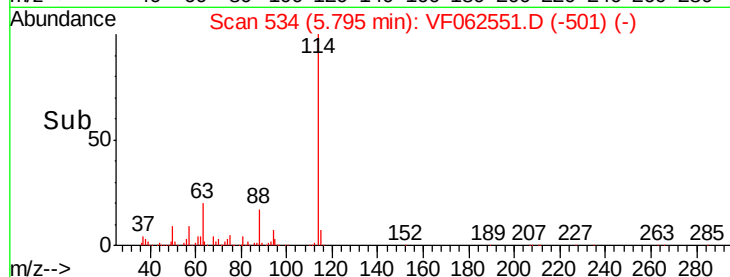
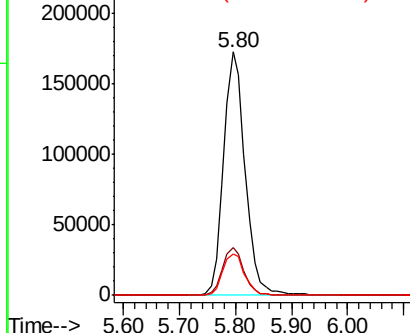
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.80 min Scan# 534
Delta R.T. 0.03 min
Lab File: VF062551.D
Acq: 13 May 2019 19:39

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-1824-01

Tot Ion:	114	Resp:	463897
Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	37.4
88	17.1	0.0	36.4

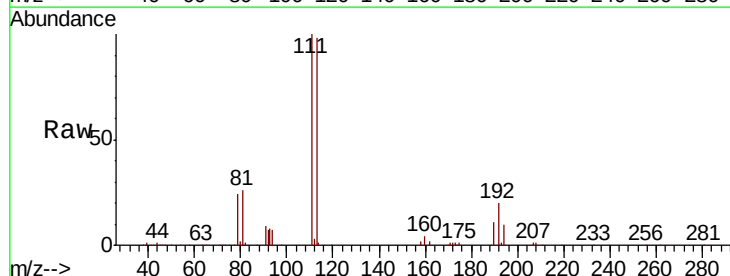


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 87.90 (87.60 to 88.60): VF0

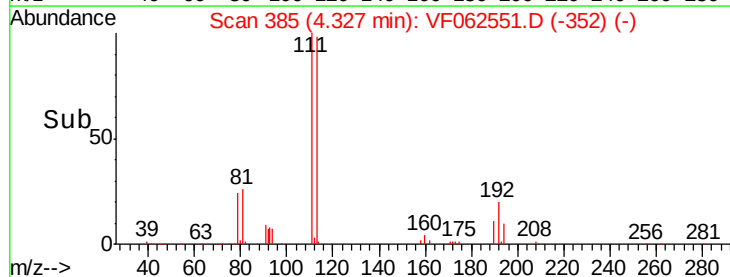
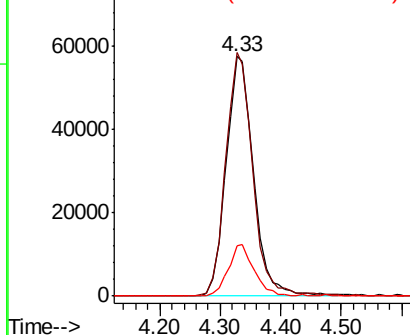


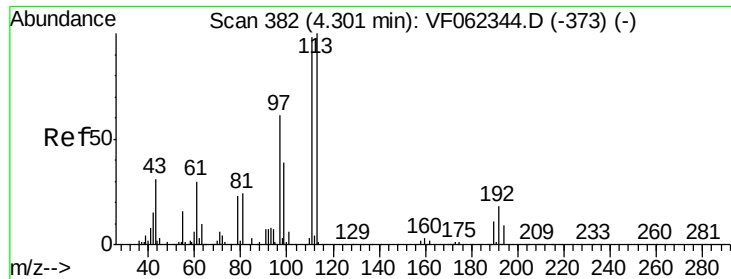
#35
Dibromofluoromethane
Concen: 48.601 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.03 min
Lab File: VF062551.D
Acq: 13 May 2019 19:39

Tgt Ion:	113	Resp:	179618
Ion	Ratio	Lower	Upper
113	100		
111	100.3	79.4	119.0
192	20.7	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

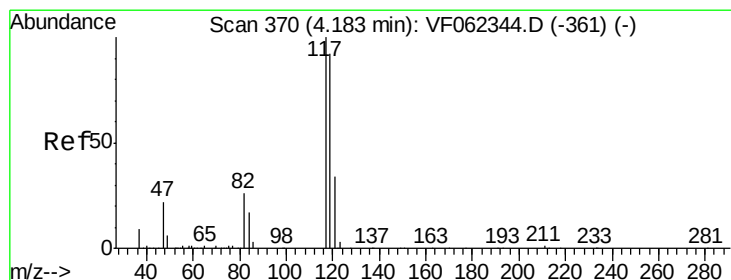
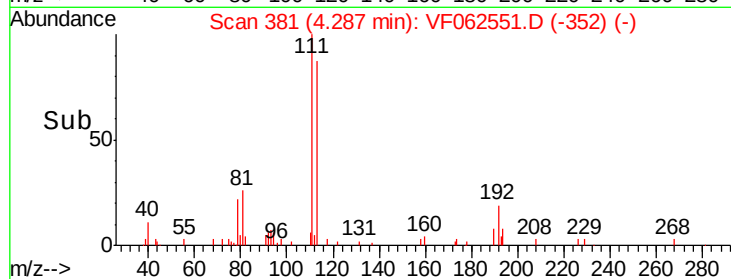
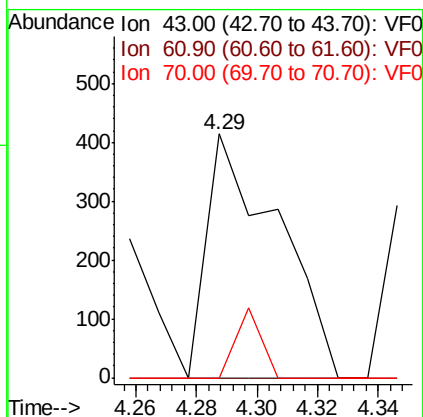
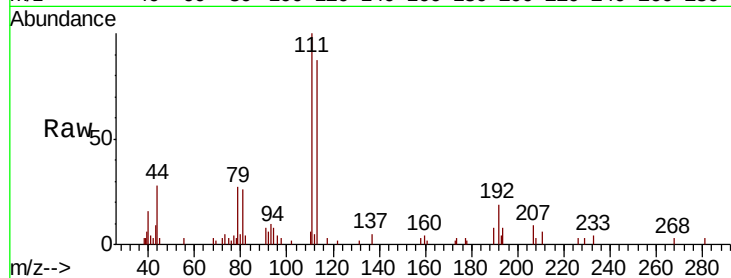




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062551.D
Acq: 13 May 2019 19:39

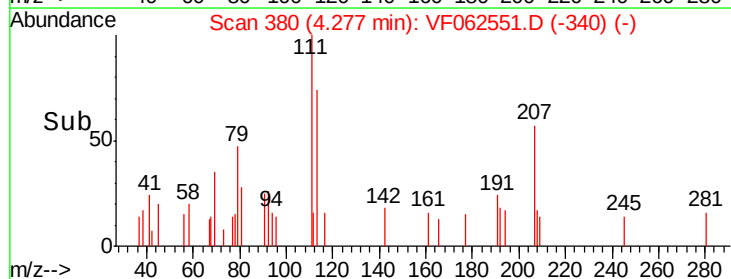
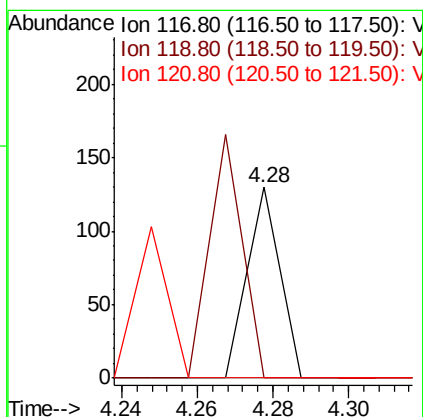
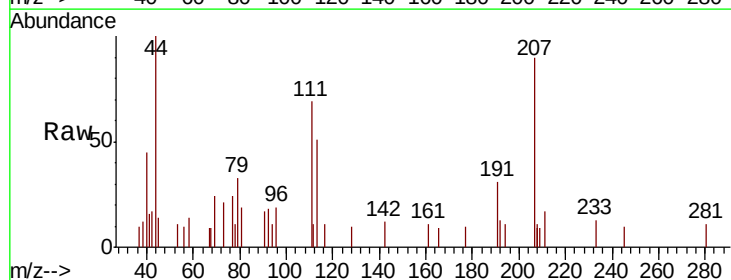
Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-1824-01

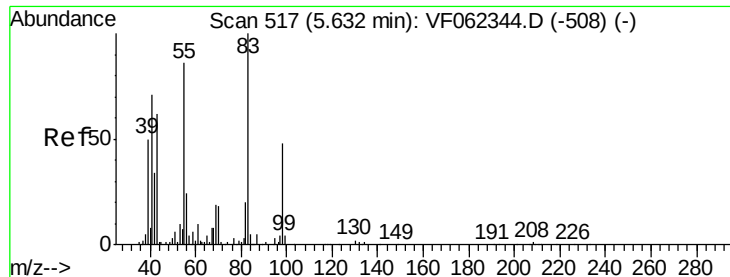
Tot Ion: 43 Resp: 677
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 10.3 8.2 12.2



#38
Carbon Tetrachloride
Concen: Below Cal
RT: 4.28 min Scan# 380
Delta R.T. 0.09 min
Lab File: VF062551.D
Acq: 13 May 2019 19:39

Tgt Ion: 117 Resp: 77
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.2#
121 0.0 27.4 41.0#





#39

Methylcyclohexane

Concen: 1.726 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.16 min

Lab File: VF062551.D

Acq: 13 May 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-1824-01

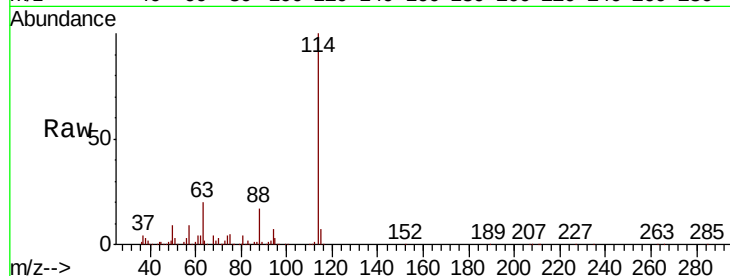
Tot Ion: 83 Resp: 6899

Ion Ratio Lower Upper

83 100

55 33.6 69.0 103.6#

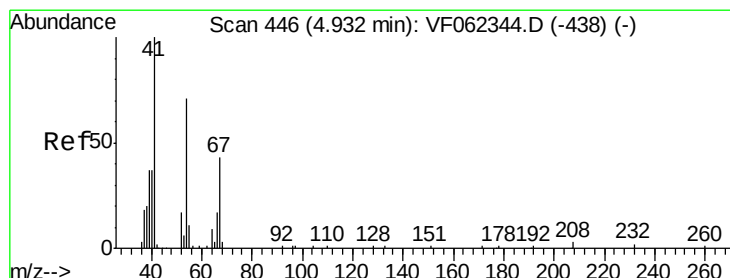
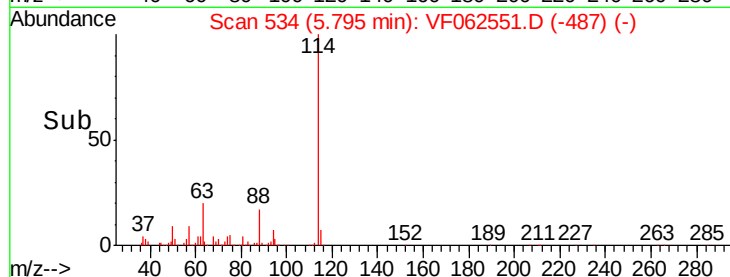
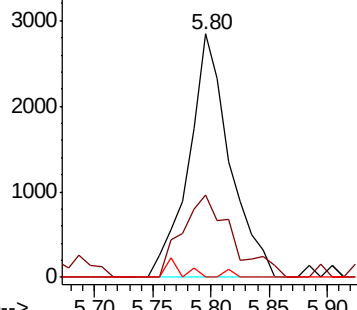
98 0.0 38.6 58.0#



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: 1.013 ug/l

RT: 4.97 min Scan# 450

Delta R.T. 0.04 min

Lab File: VF062551.D

Acq: 13 May 2019 19:39

Tgt Ion: 41 Resp: 968

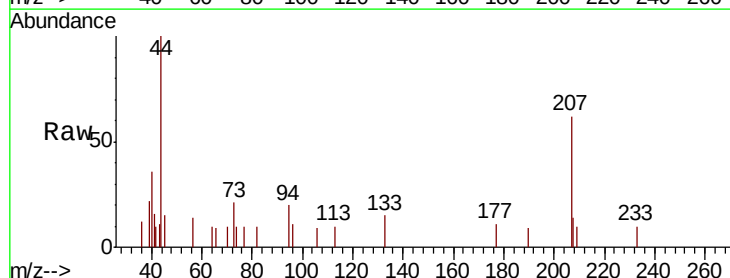
Ion Ratio Lower Upper

41 100

39 62.7 54.3 81.5

67 0.0 37.8 56.8#

52 0.0 58.2 87.4#

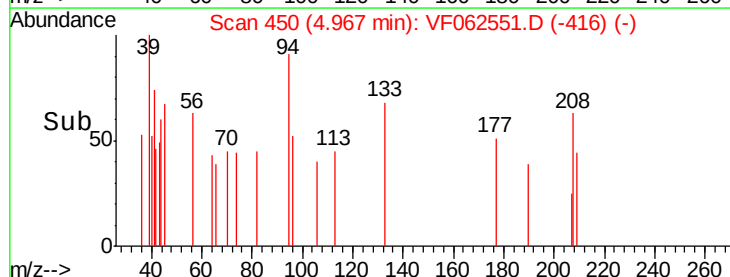
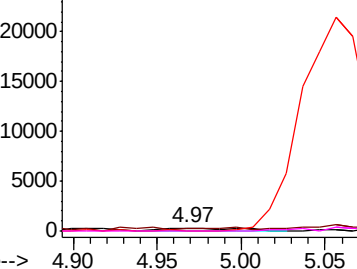


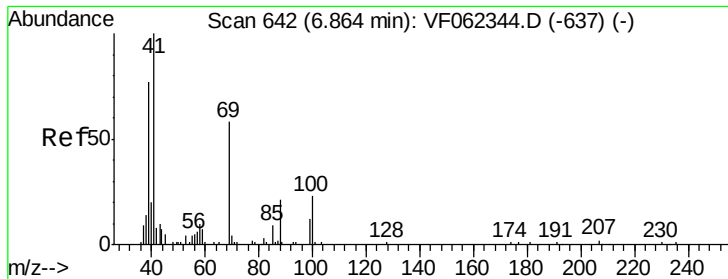
Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 6.94 min Scan# 650

Delta R.T. 0.07 min

Lab File: VF062551.D

Acq: 13 May 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-1824-01

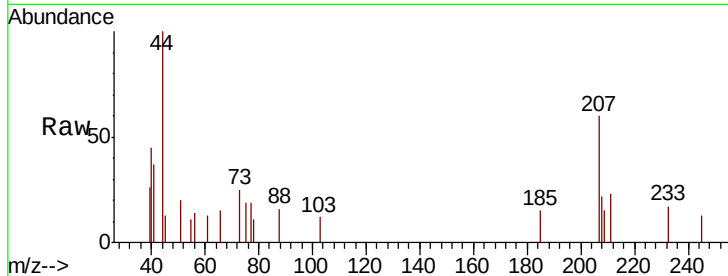
Tot Ion: 88 Resp: 90

Ion Ratio Lower Upper

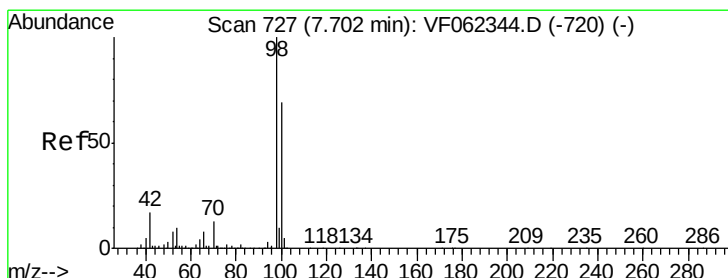
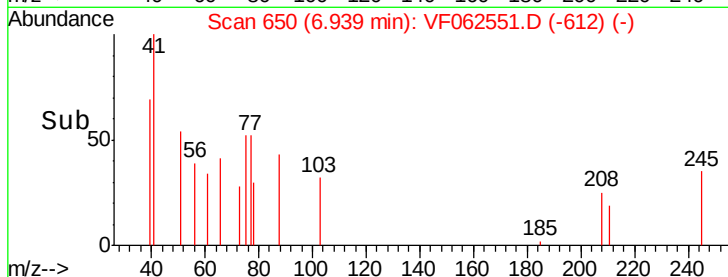
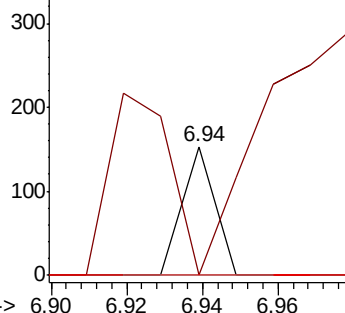
88 100

43 267.8 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: 37.345 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.03 min

Lab File: VF062551.D

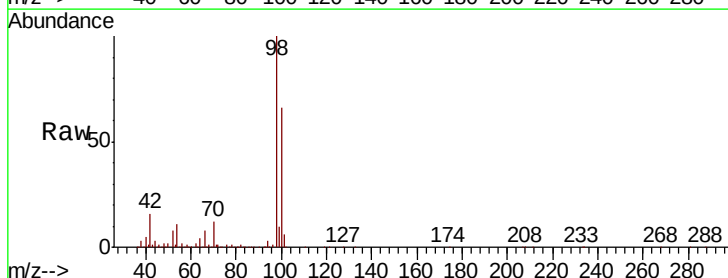
Acq: 13 May 2019 19:39

Tgt Ion: 98 Resp: 334092

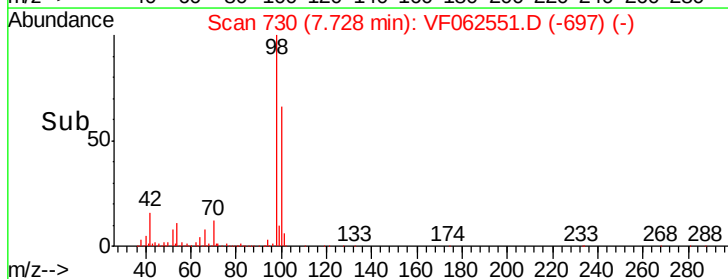
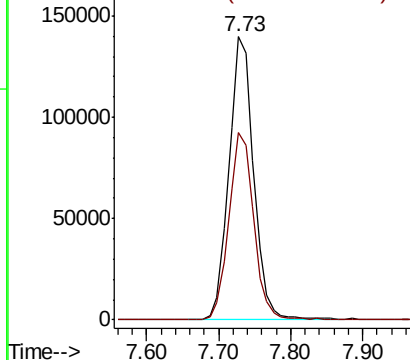
Ion Ratio Lower Upper

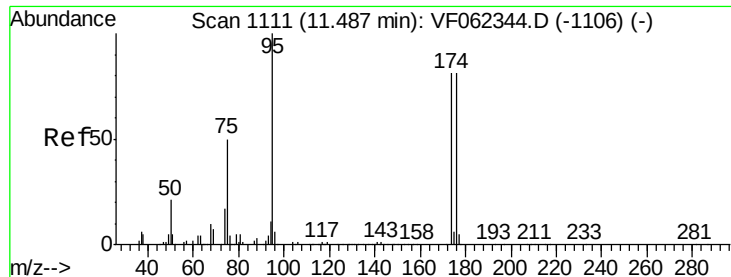
98 100

100 67.2 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: 30.650 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF062551.D

Acq: 13 May 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-1824-01

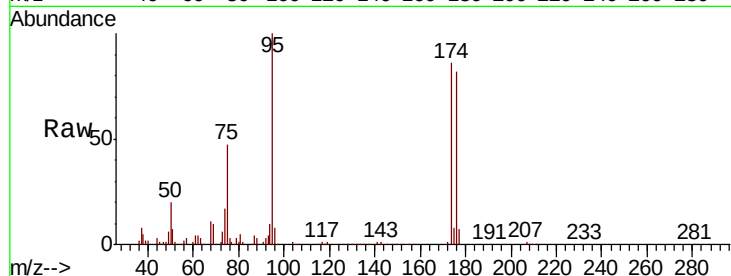
Tot Ion: 95 Resp: 123711

Ion Ratio Lower Upper

95 100

174 104.5 0.0 191.8

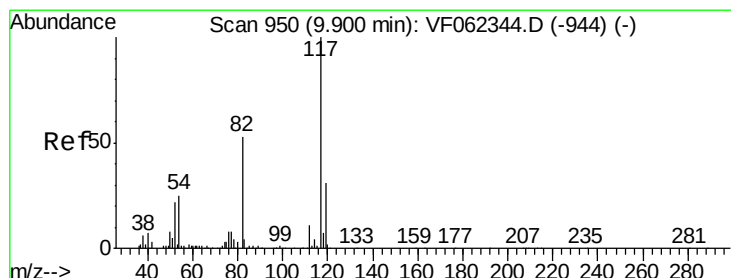
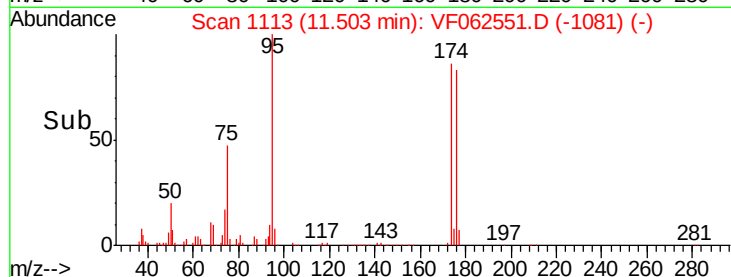
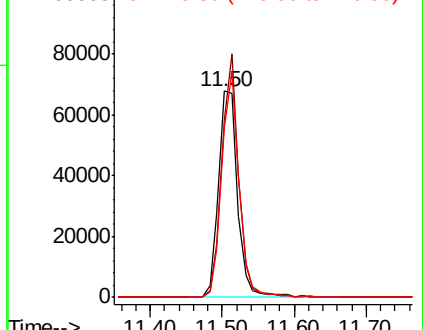
176 99.5 0.0 193.2



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: 9.93 min Scan# 953

Delta R.T. 0.03 min

Lab File: VF062551.D

Acq: 13 May 2019 19:39

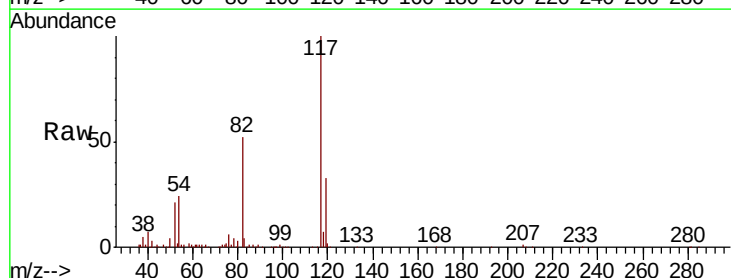
Tgt Ion: 117 Resp: 350437

Ion Ratio Lower Upper

117 100

82 52.2 42.2 63.2

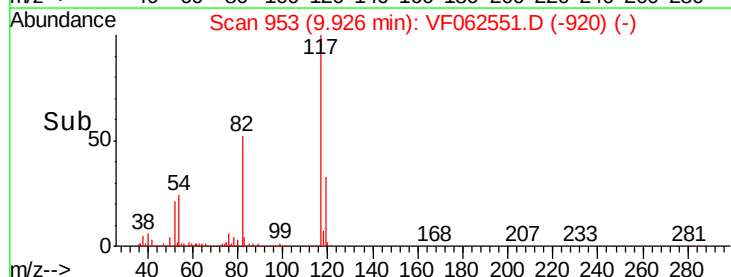
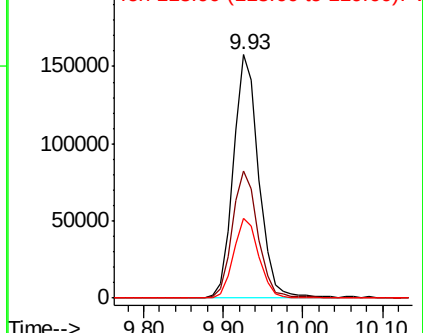
119 32.8 25.0 37.4

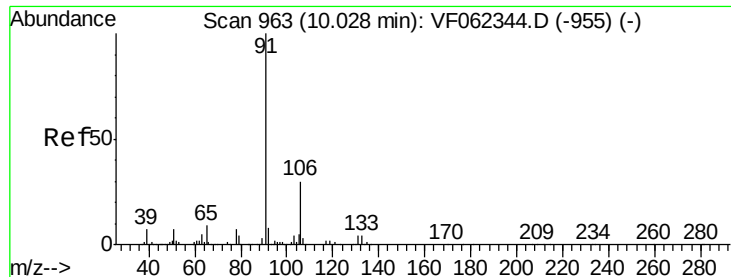


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 1.276 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.03 min

Lab File: VF062551.D

Acq: 13 May 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

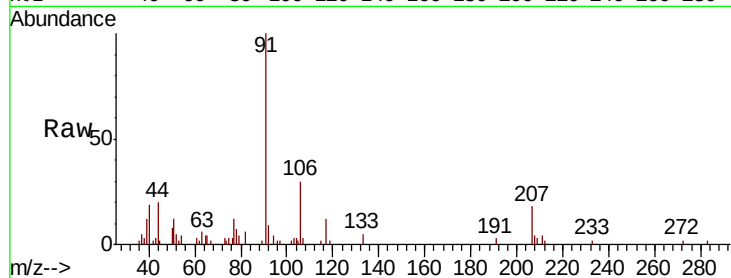
P026-SS012-1824-01

Tot Ion: 91 Resp: 12956

Ion Ratio Lower Upper

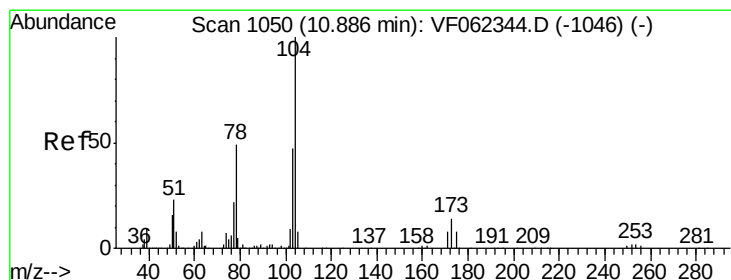
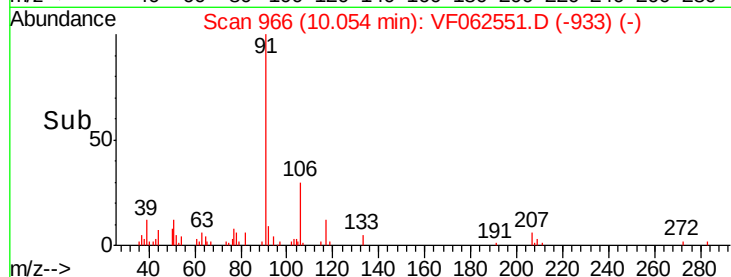
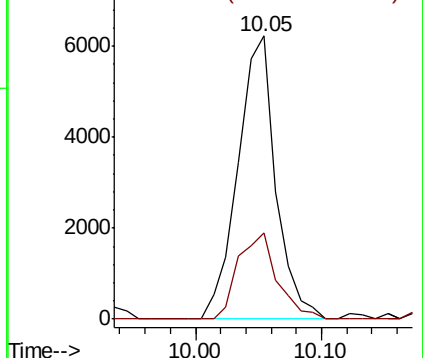
91 100

106 30.4 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#70

Styrene

Concen: 2.846 ug/l

RT: 10.91 min Scan# 1053

Delta R.T. 0.03 min

Lab File: VF062551.D

Acq: 13 May 2019 19:39

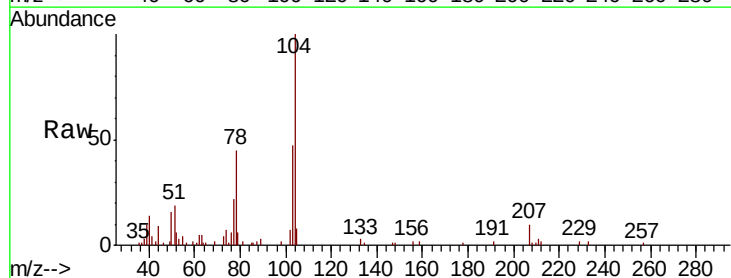
Tgt Ion: 104 Resp: 17267

Ion Ratio Lower Upper

104 100

78 52.9 39.5 59.3

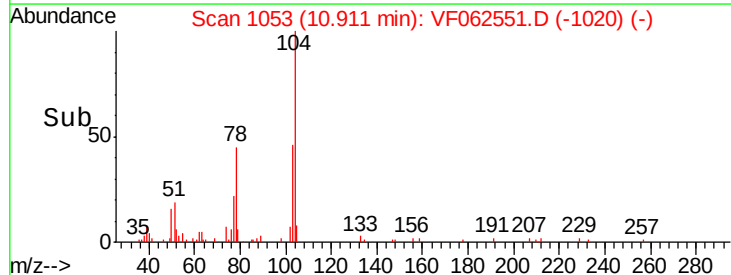
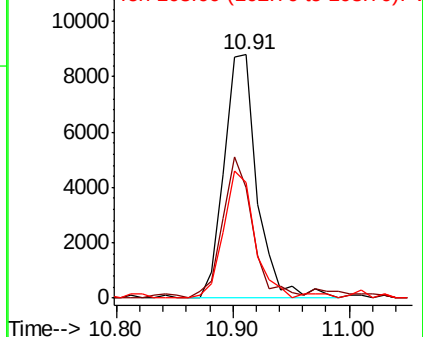
103 49.2 38.4 57.6

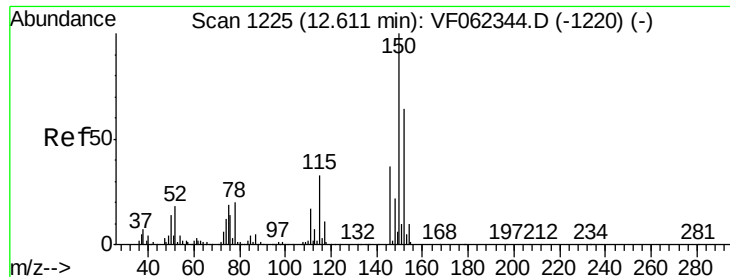


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.02 min
Lab File: VF062551.D
Acq: 13 May 2019 19:39

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-1824-01

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.7	26.4	79.2
150	155.2	0.0	335.0

