

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062533.D
 Acq On : 13 May 2019 6:39
 Operator : FY/SY
 Sample : K2734-14RE
 Misc : 5.35g/5mL/MSVOA F/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P026-SS013-1218-01RE

Quant Time: May 13 07:33:28 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	247171	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	327206	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	247073	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	101049	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	97562	41.77	ug/l	0.03
Spiked Amount			Recovery	=	83.54%	
35) Dibromofluoromethane	4.33	113	121948	46.78	ug/l	0.02
Spiked Amount			Recovery	=	93.56%	
50) Toluene-d8	7.73	98	231142	36.63	ug/l	0.02
Spiked Amount			Recovery	=	73.26%	
62) 4-Bromofluorobenzene	11.51	95	80897	28.42	ug/l	0.02
Spiked Amount			Recovery	=	56.84%	

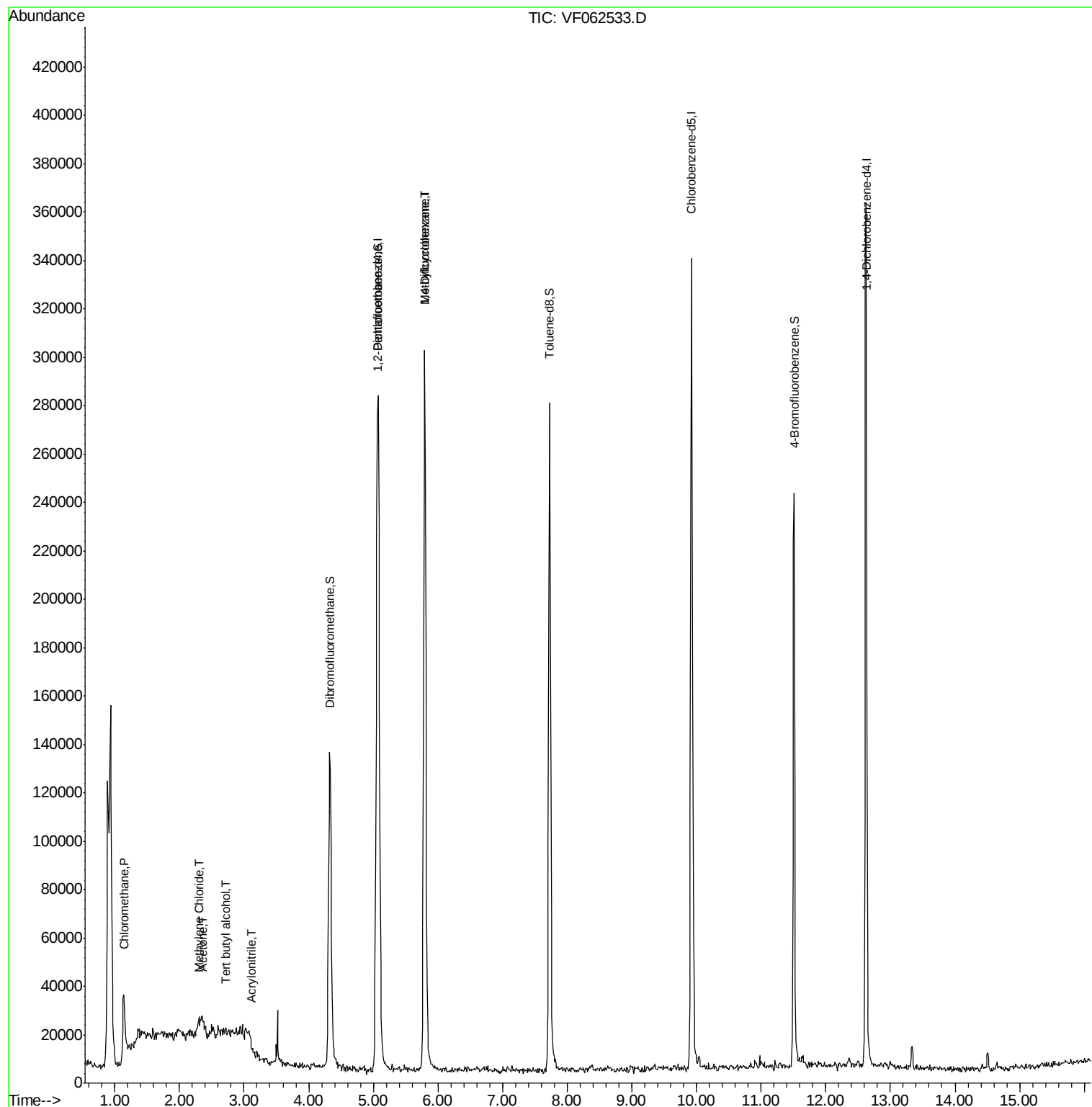
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.14	50	2438	1.292	ug/l #	80
5) Bromomethane	1.39	94	543	Below Cal	#	3
11) Tert butyl alcohol	2.73	59	835	6.325	ug/l #	92
13) Acrolein	2.12	56	746	Below Cal	#	66
15) Acrylonitrile	3.12	53	508	2.031	ug/l #	10
16) Acetone	2.35	43	7269	15.383	ug/l	98
18) Methyl Acetate	2.50	43	491	Below Cal		92
20) Methylene Chloride	2.29	84	2766	1.618	ug/l #	93
37) Ethyl Acetate	4.33	43	637	Below Cal	#	73
38) Carbon Tetrachloride	4.07	117	96	Below Cal	#	14
39) Methylcyclohexane	5.79	83	6182	2.193	ug/l #	36
49) 1,4-Dioxane	6.74	88	62	Below Cal	#	1

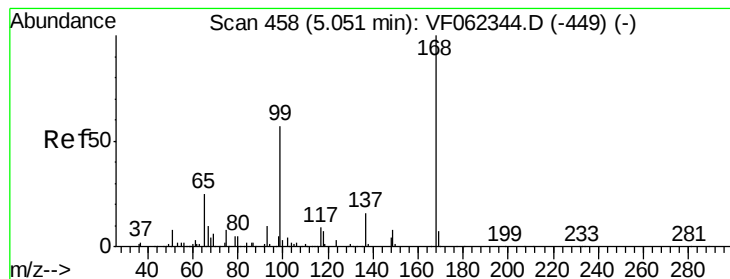
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051219\
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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: VF062533.D

Acq: 13 May 2019 6:39

Instrument :

MSVOA_F

ClientSampleId :

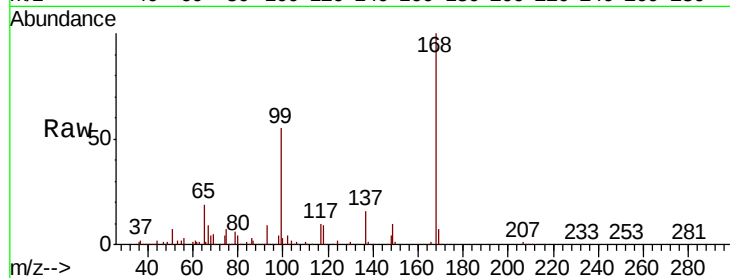
P026-SS013-1218-01RE

Tot Ion:168 Resp: 247171

Ion Ratio Lower Upper

168 100

99 55.4 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

80000

60000

40000

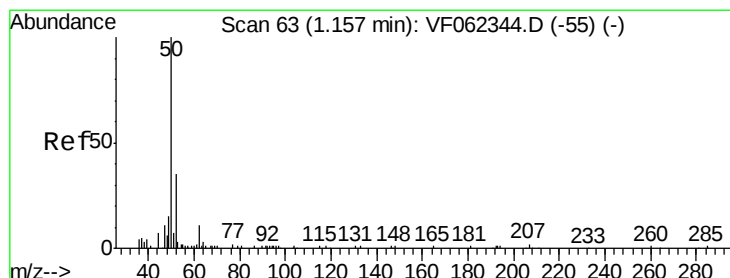
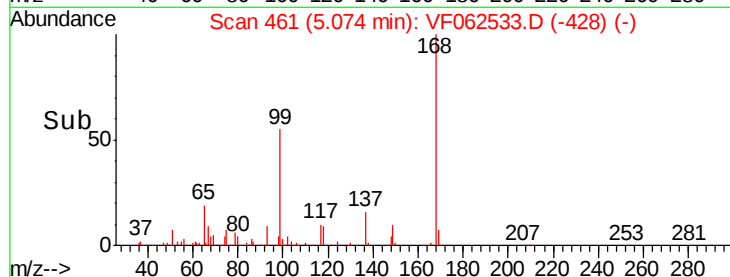
20000

0

5.00

5.20

Time-->



#3

Chloromethane

Concen: 1.292 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.02 min

Lab File: VF062533.D

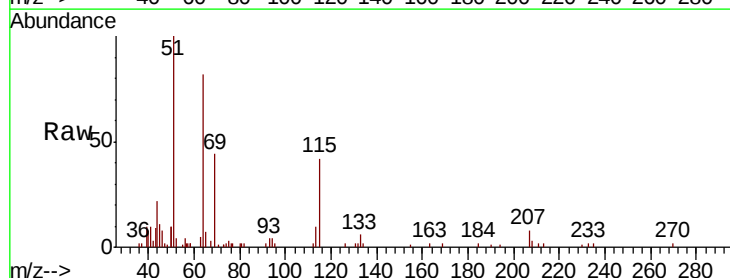
Acq: 13 May 2019 6:39

Tgt Ion: 50 Resp: 2438

Ion Ratio Lower Upper

50 100

52 21.2 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0

1.14

1500

1000

500

0

1.00

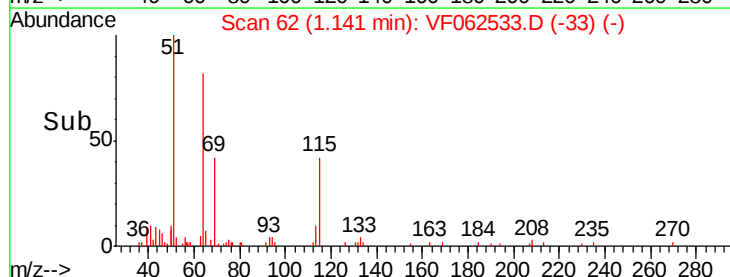
1.05

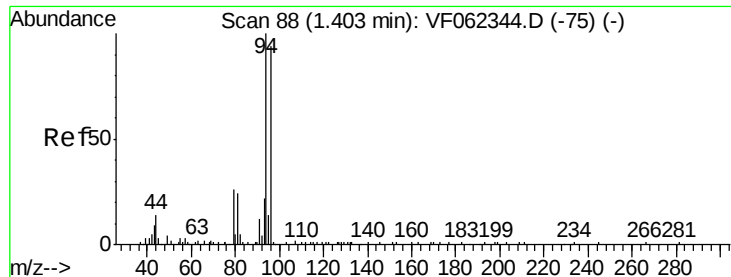
1.10

1.15

1.20

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.39 min Scan# 87

Delta R.T. -0.02 min

Lab File: VF062533.D

Acq: 13 May 2019 6:39

Instrument :

MSVOA_F

ClientSampleId :

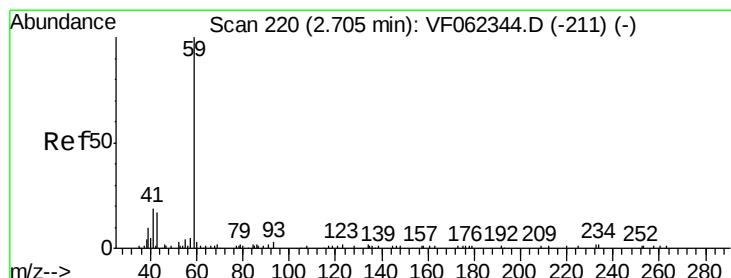
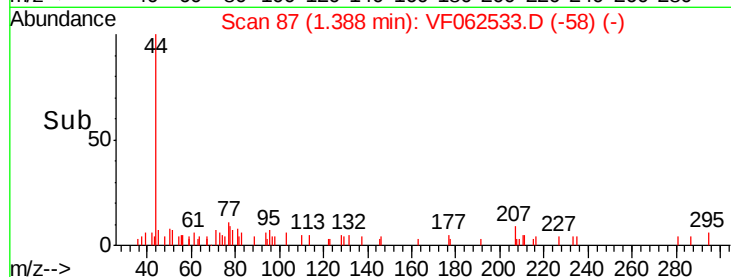
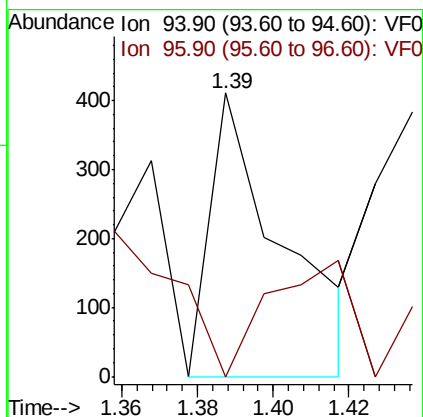
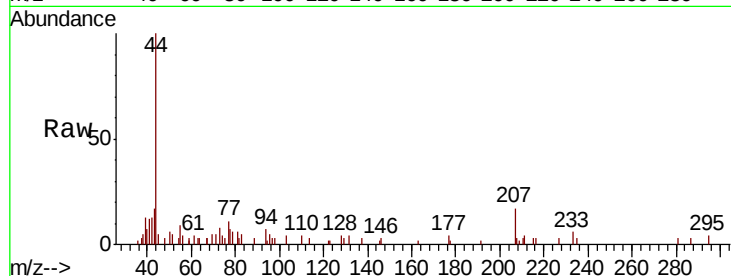
P026-SS013-1218-01RE

Tot Ion: 94 Resp: 543

Ion Ratio Lower Upper

94 100

96 0.0 75.4 113.2#



#11

Tert butyl alcohol

Concen: 6.325 ug/l

RT: 2.73 min Scan# 223

Delta R.T. 0.02 min

Lab File: VF062533.D

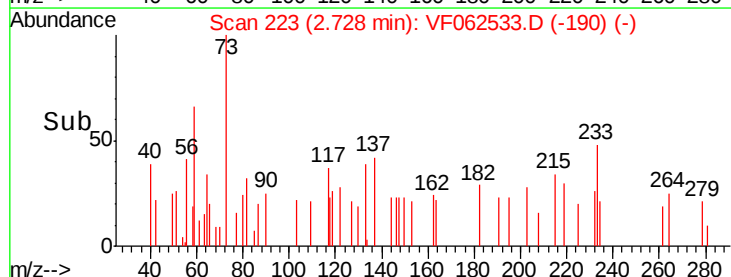
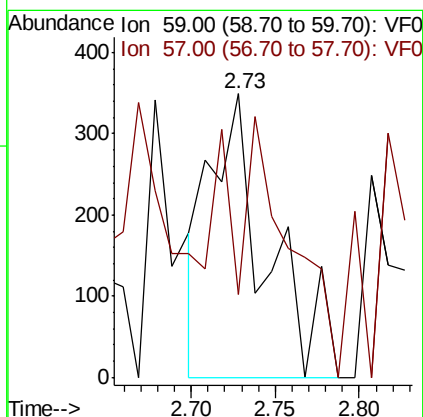
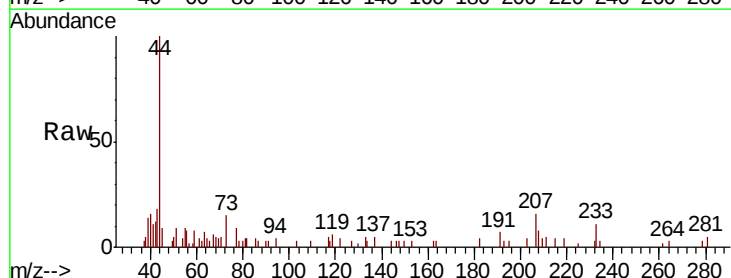
Acq: 13 May 2019 6:39

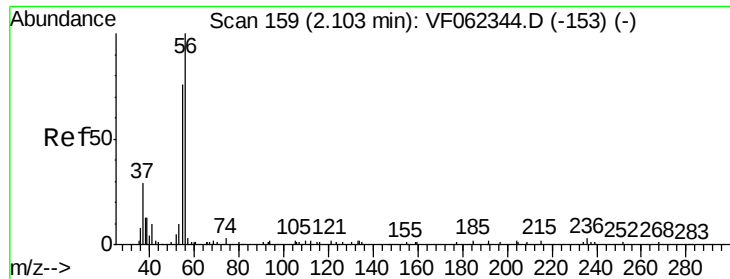
Tgt Ion: 59 Resp: 835

Ion Ratio Lower Upper

59 100

57 14.9 9.3 13.9#





#13

Acrolein

Concen: Below Cal

RT: 2.12 min Scan# 161

Delta R.T. 0.01 min

Lab File: VF062533.D

Acq: 13 May 2019 6:39

Instrument :

MSVOA_F

ClientSampleId :

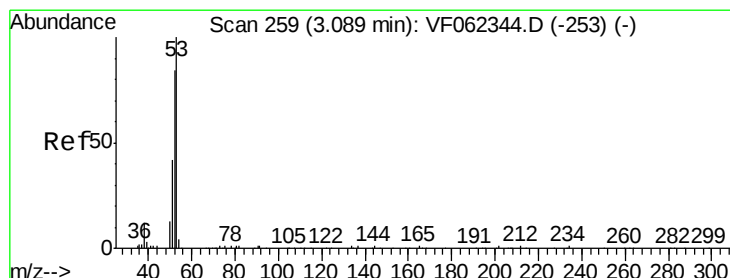
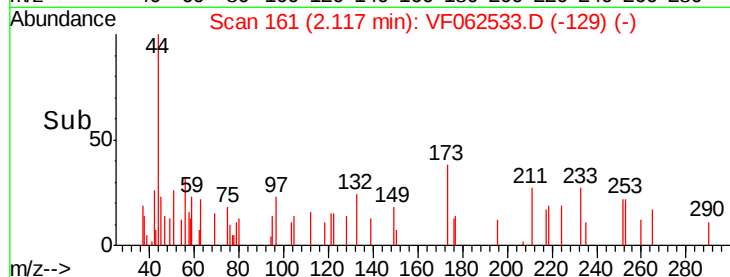
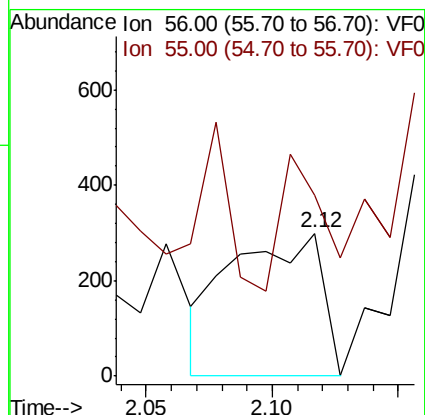
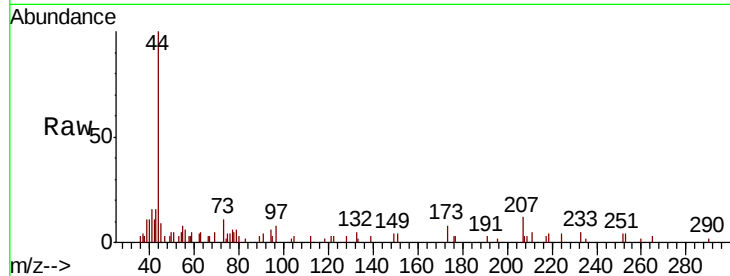
P026-SS013-1218-01RE

Tot Ion: 56 Resp: 746

Ion Ratio Lower Upper

56 100

55 44.6 58.4 87.6#



#15

Acrylonitrile

Concen: 2.031 ug/l

RT: 3.12 min Scan# 263

Delta R.T. 0.03 min

Lab File: VF062533.D

Acq: 13 May 2019 6:39

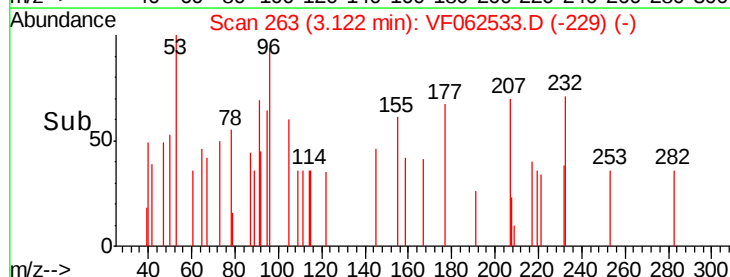
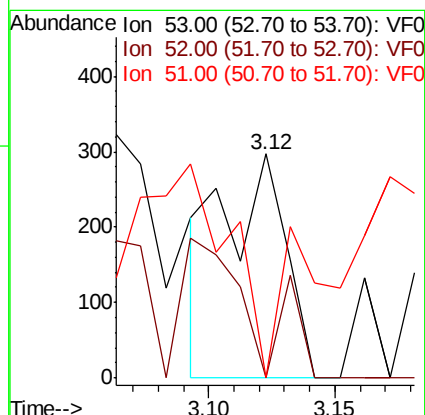
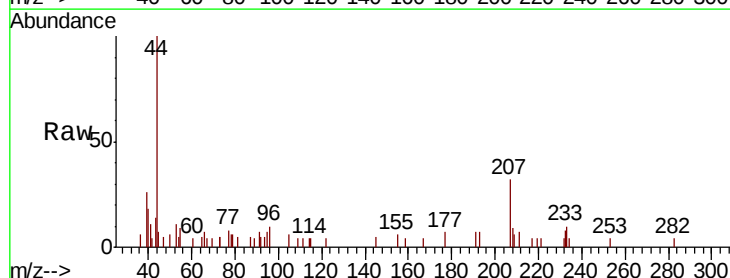
Tgt Ion: 53 Resp: 508

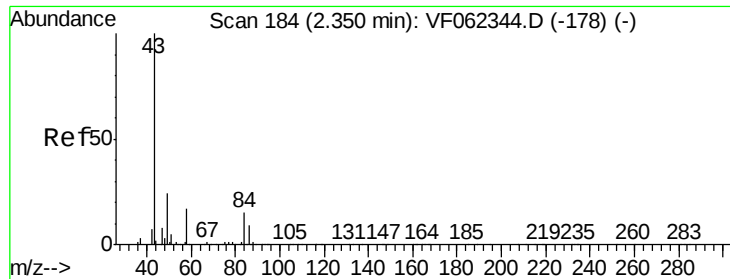
Ion Ratio Lower Upper

53 100

52 0.0 77.2 115.8#

51 0.0 40.6 61.0#





#16

Acetone

Concen: 15.383 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.00 min

Lab File: VF062533.D

Acq: 13 May 2019 6:39

Instrument :

MSVOA_F

ClientSampleId :

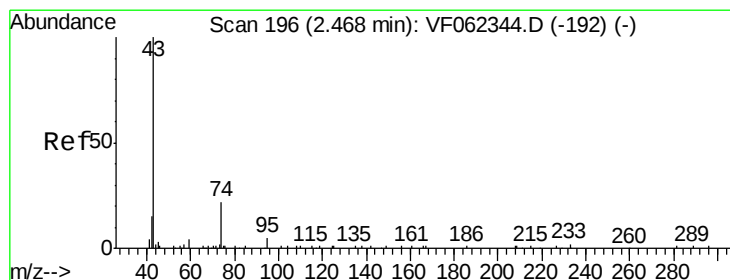
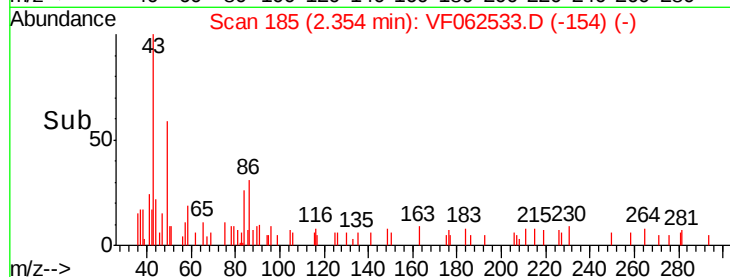
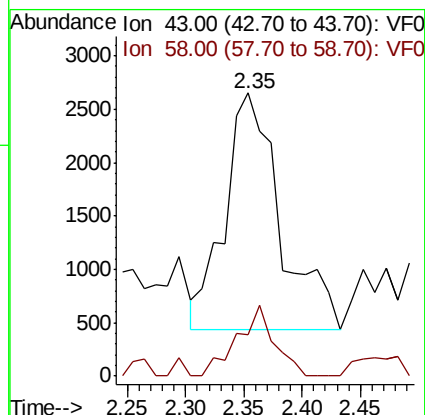
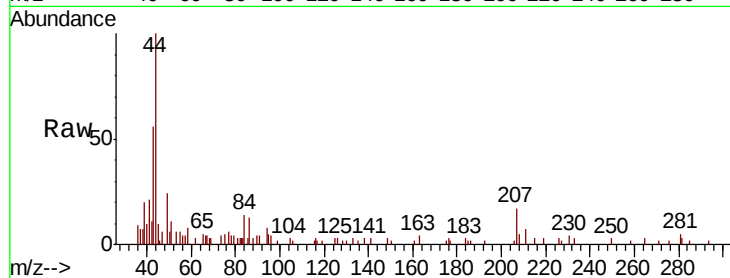
P026-SS013-1218-01RE

Tot Ion: 43 Resp: 7269

Ion Ratio Lower Upper

43 100

58 17.3 13.1 19.7



#18

Methyl Acetate

Concen: Below Cal

RT: 2.50 min Scan# 200

Delta R.T. 0.03 min

Lab File: VF062533.D

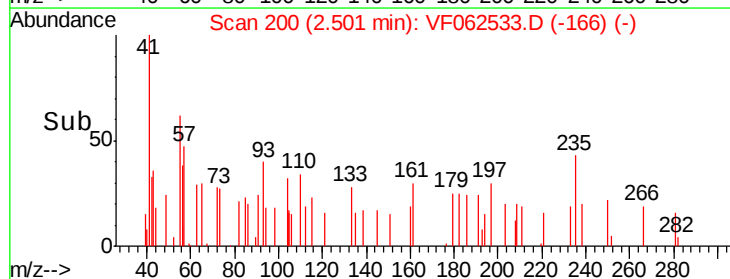
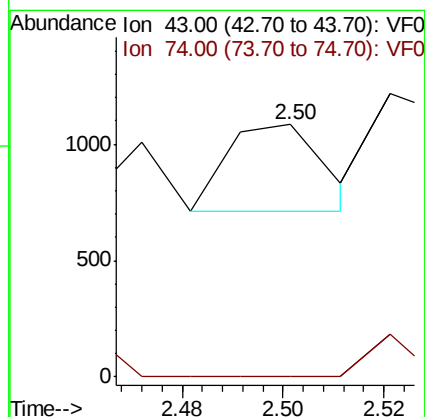
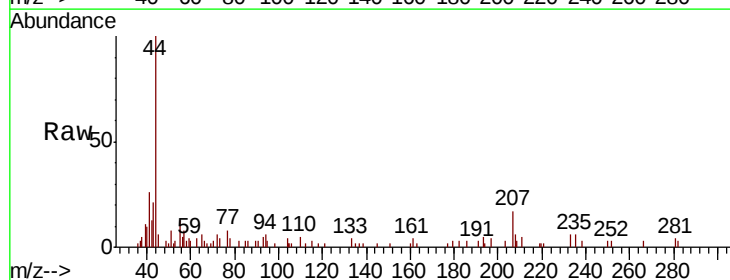
Acq: 13 May 2019 6:39

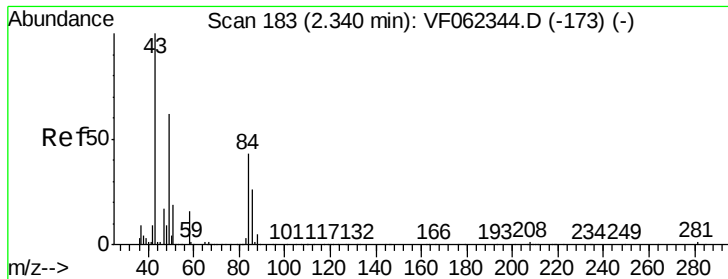
Tgt Ion: 43 Resp: 491

Ion Ratio Lower Upper

43 100

74 22.2 15.0 22.4

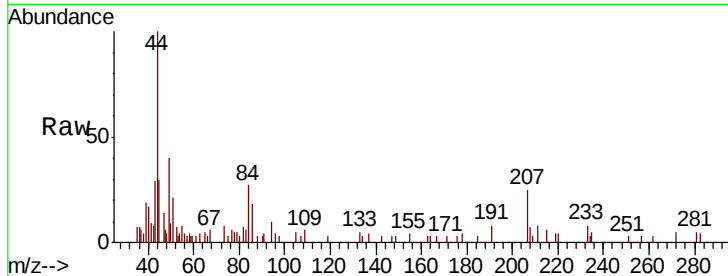




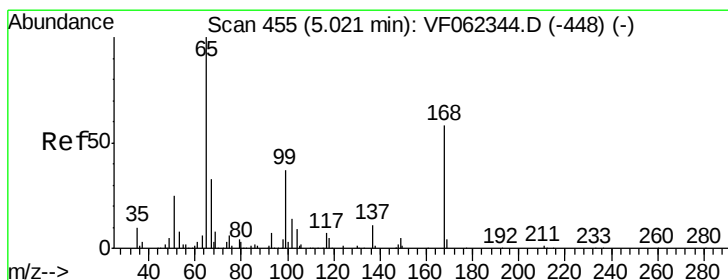
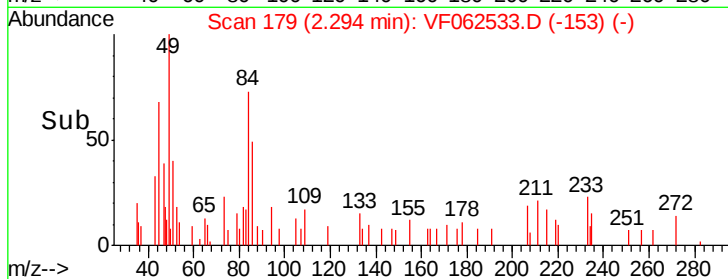
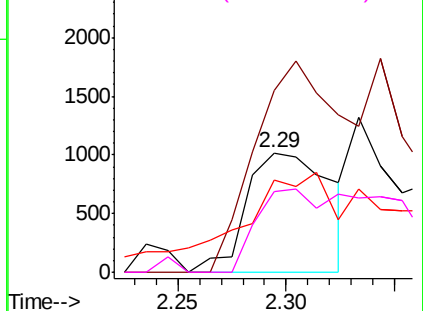
#20
Methvlene Chloride
Concen: 1.618 ug/l
RT: 2.29 min Scan# 179
Delta R.T. -0.05 min
Lab File: VF062533.D
Acq: 13 May 2019 6:39

Instrument :
MSVOA_F
ClientSampleId :
P026-SS013-1218-01RE

Tot Ion: 84 Resp: 2766
Ion Ratio Lower Upper
84 100
49 151.9 117.5 176.3
51 56.6 37.0 55.4#
86 67.0 49.3 73.9

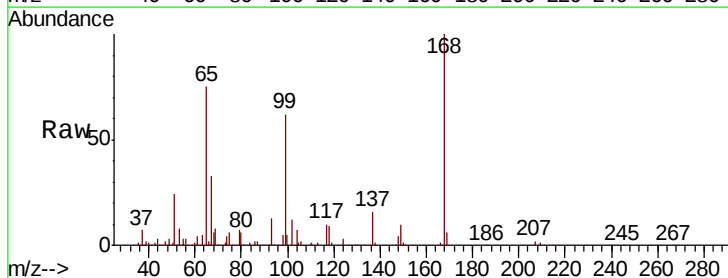


Abundance Ion 83.90 (83.60 to 84.60): VF0
Ion 48.90 (48.60 to 49.60): VF0
Ion 50.90 (50.60 to 51.60): VF0
Ion 85.90 (85.60 to 86.60): VF0

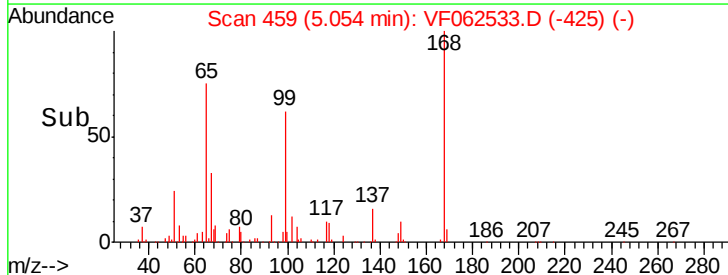
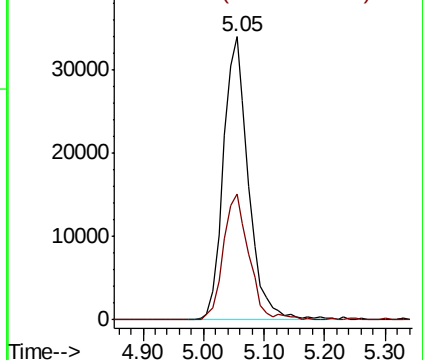


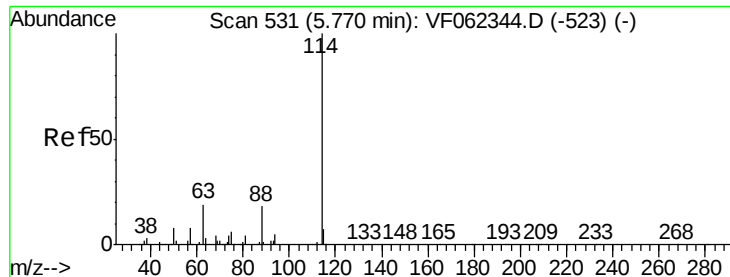
#33
1,2-Dichloroethane-d4
Concen: 41.767 ug/l
RT: 5.05 min Scan# 459
Delta R.T. 0.03 min
Lab File: VF062533.D
Acq: 13 May 2019 6:39

Tgt Ion: 65 Resp: 97562
Ion Ratio Lower Upper
65 100
67 44.4 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: 5.79 min Scan# 534

Delta R.T. 0.02 min

Lab File: VF062533.D

Acq: 13 May 2019 6:39

Instrument :

MSVOA_F

ClientSampleId :

P026-SS013-1218-01RE

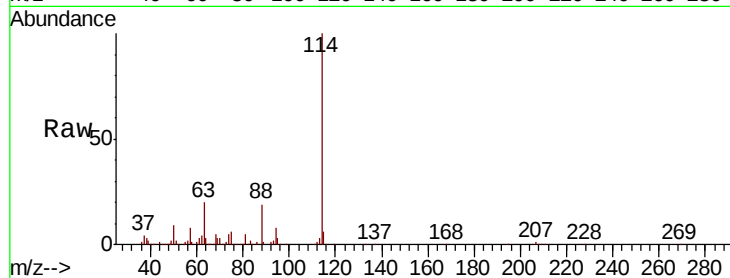
Tot Ion:114 Resp: 327206

Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.4

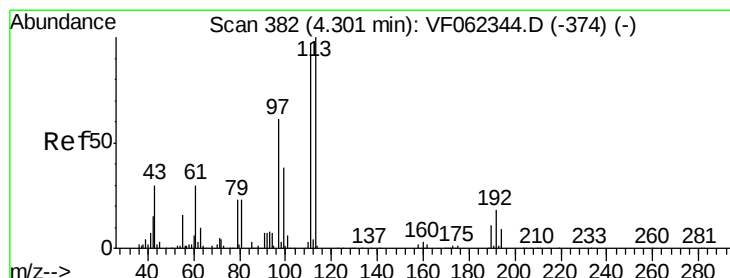
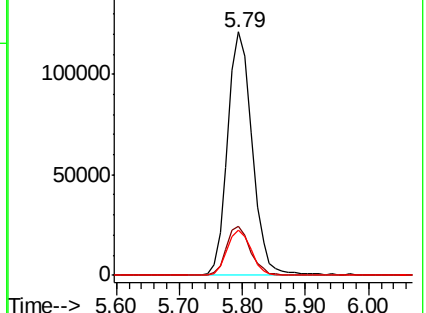
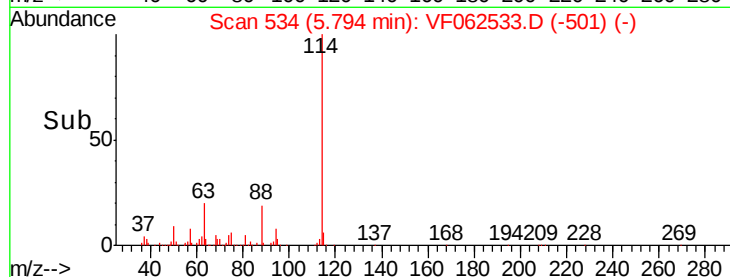
88 18.7 0.0 36.4



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: 46.781 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.02 min

Lab File: VF062533.D

Acq: 13 May 2019 6:39

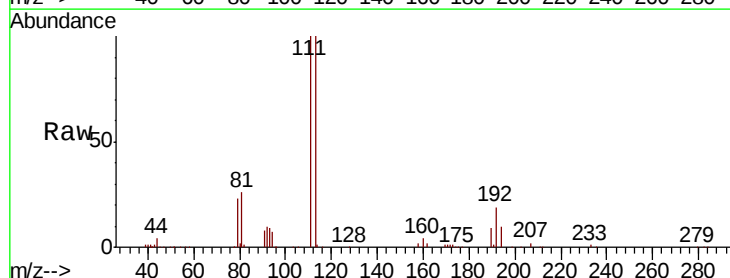
Tgt Ion:113 Resp: 121948

Ion Ratio Lower Upper

113 100

111 98.0 79.4 119.0

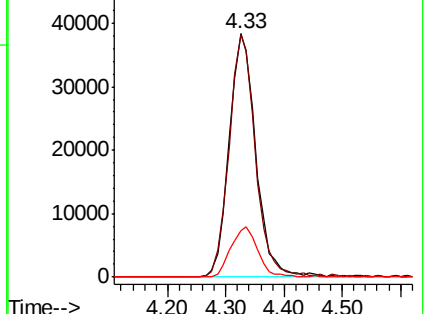
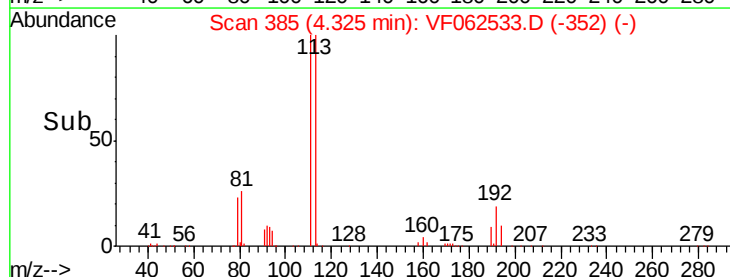
192 21.0 16.0 24.0

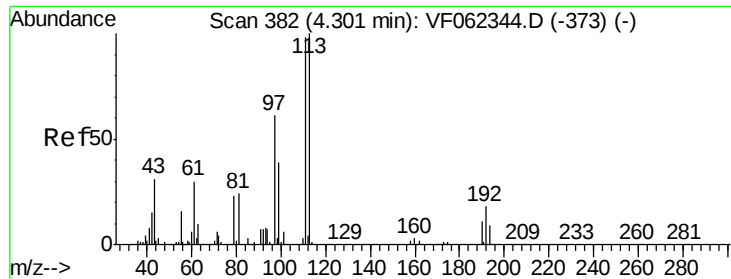


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

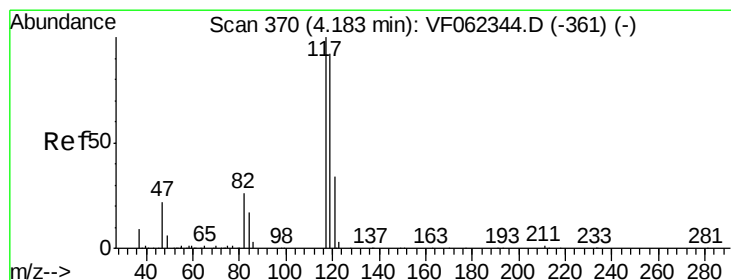
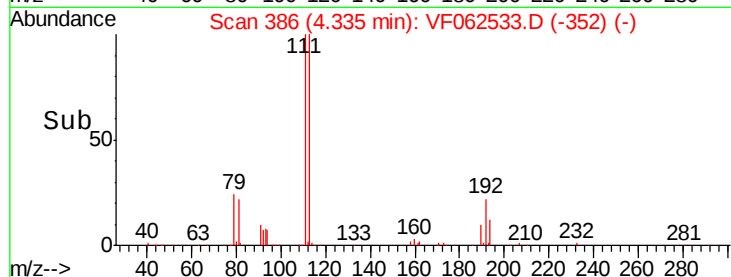
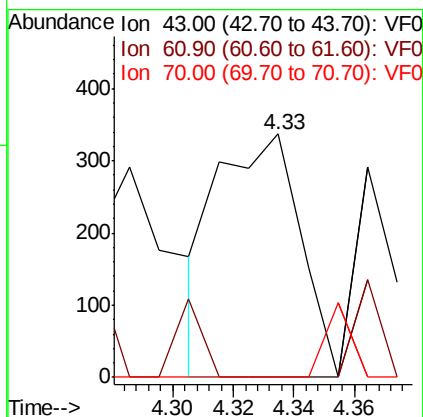
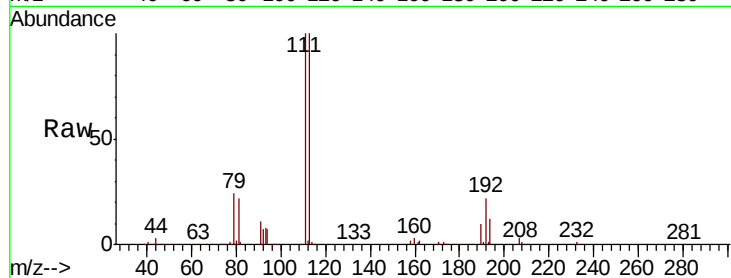




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 386
Delta R.T. 0.03 min
Lab File: VF062533.D
Acq: 13 May 2019 6:39

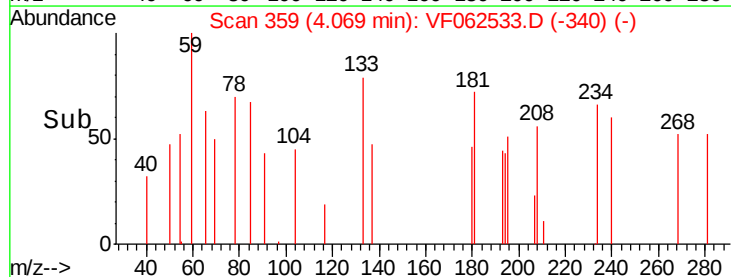
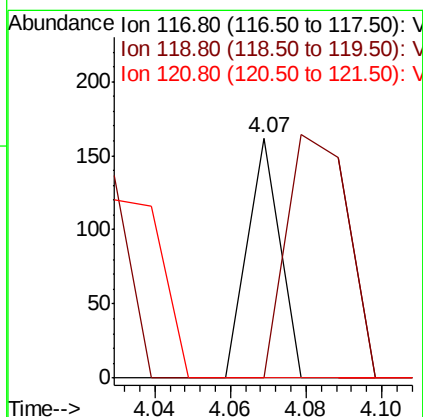
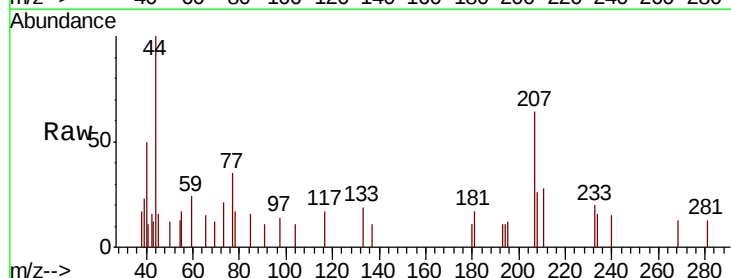
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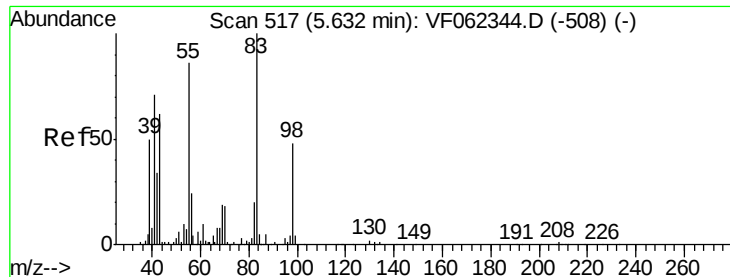
Tot Ion: 43 Resp: 637
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 0.0 8.2 12.2#



#38
Carbon Tetrachloride
Concen: Below Cal
RT: 4.07 min Scan# 359
Delta R.T. -0.11 min
Lab File: VF062533.D
Acq: 13 May 2019 6:39

Tgt Ion: 117 Resp: 96
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.2#
121 0.0 27.4 41.0#





#39

Methylcyclohexane

Concen: 2.193 ug/l

RT: 5.79 min Scan# 534

Delta R.T. 0.16 min

Lab File: VF062533.D

Acq: 13 May 2019 6:39

Instrument :

MSVOA_F

ClientSampleId :

P026-SS013-1218-01RE

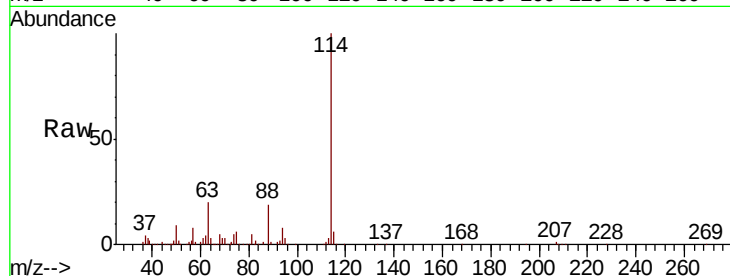
Tot Ion: 83 Resp: 6182

Ion Ratio Lower Upper

83 100

55 31.1 69.0 103.6#

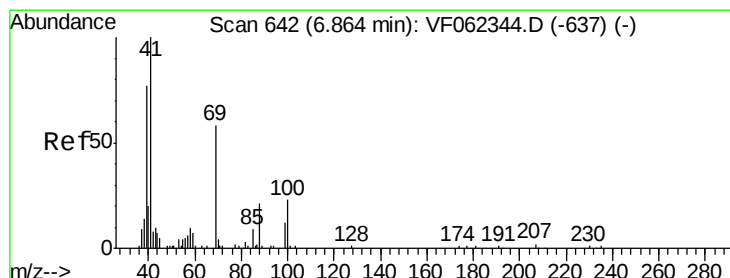
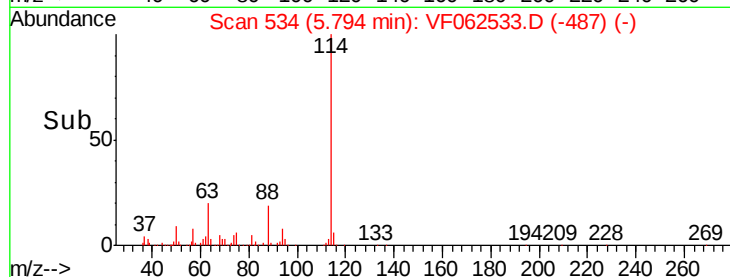
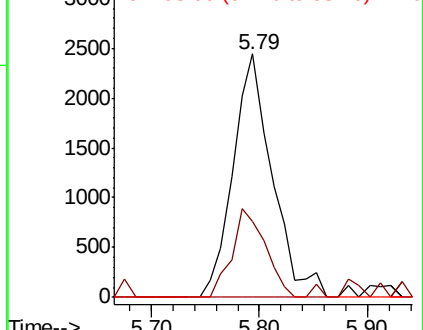
98 0.0 38.6 58.0#



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: 6.74 min Scan# 630

Delta R.T. -0.12 min

Lab File: VF062533.D

Acq: 13 May 2019 6:39

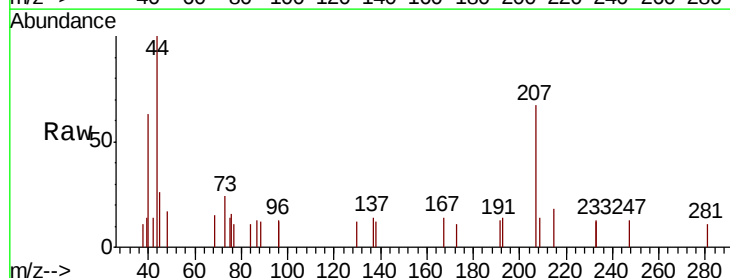
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 280.6 55.6 83.4#

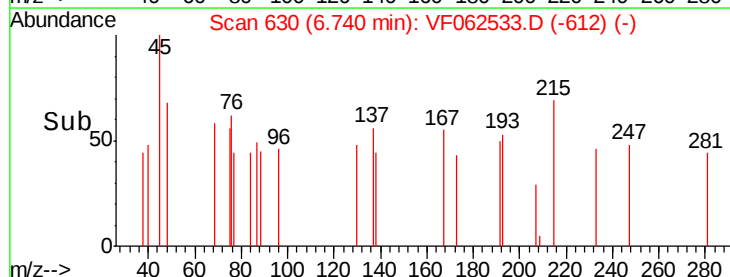
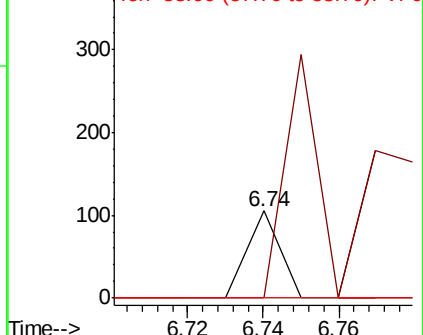
58 0.0 52.8 79.2#

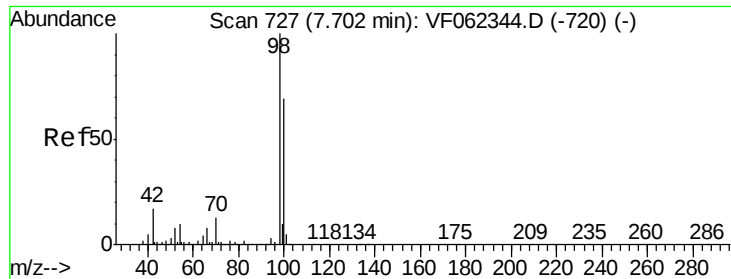


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 36.630 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.02 min

Lab File: VF062533.D

Acq: 13 May 2019 6:39

Instrument :

MSVOA_F

ClientSampleId :

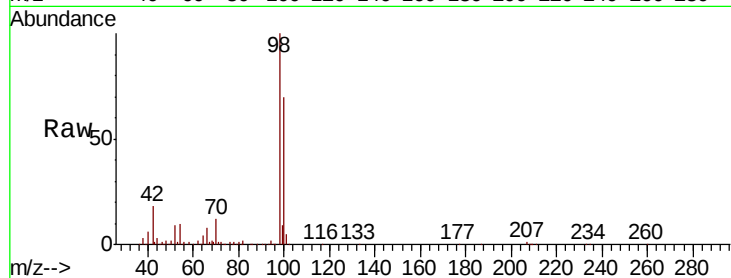
P026-SS013-1218-01RE

Tot Ion: 98 Resp: 231142

Ion Ratio Lower Upper

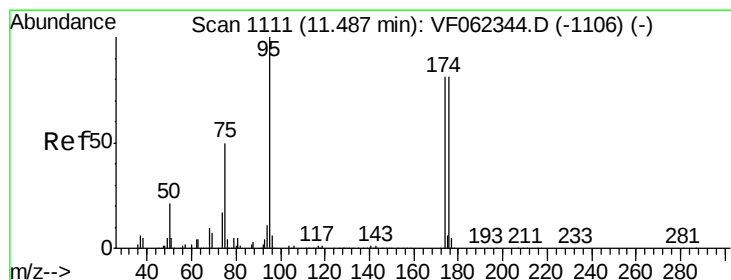
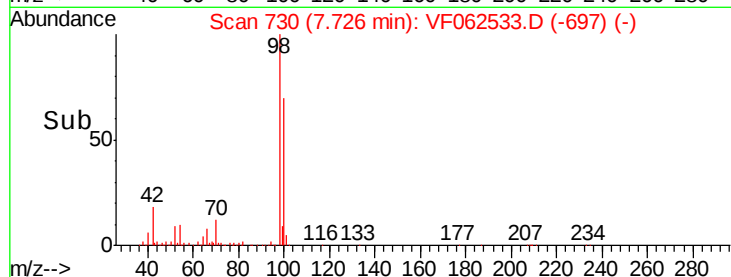
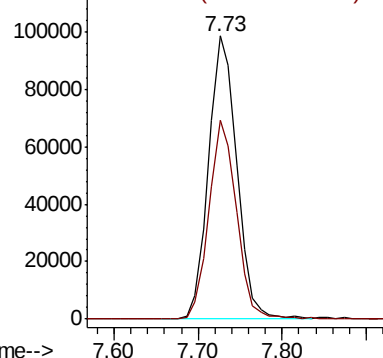
98 100

100 68.3 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#62

4-Bromofluorobenzene

Concen: 28.416 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.02 min

Lab File: VF062533.D

Acq: 13 May 2019 6:39

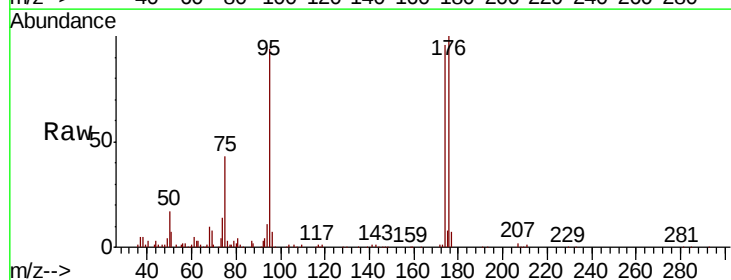
Tgt Ion: 95 Resp: 80897

Ion Ratio Lower Upper

95 100

174 94.1 0.0 191.8

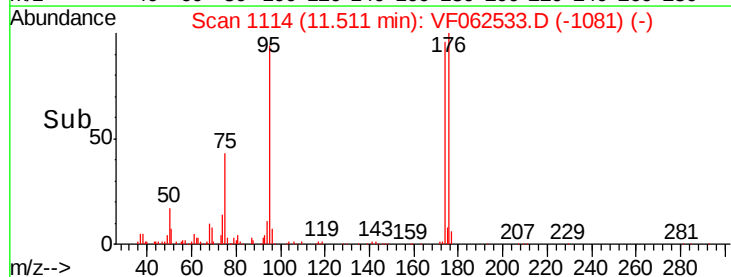
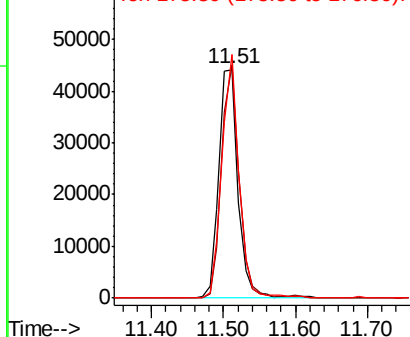
176 95.5 0.0 193.2

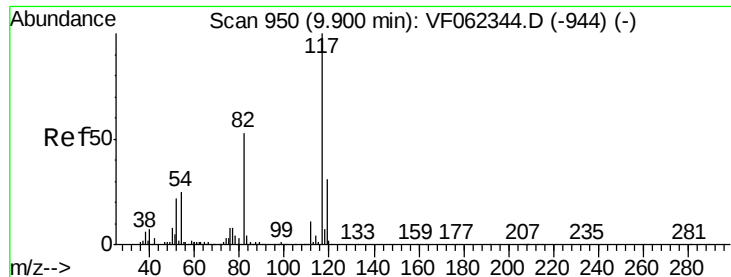


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

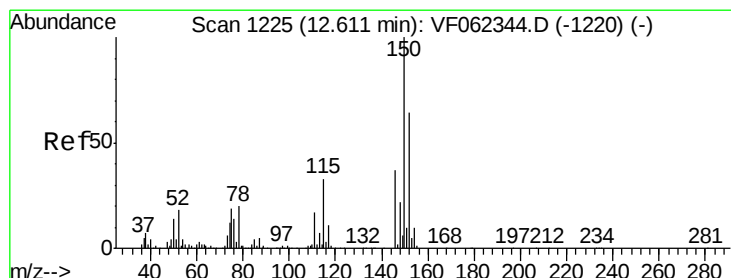
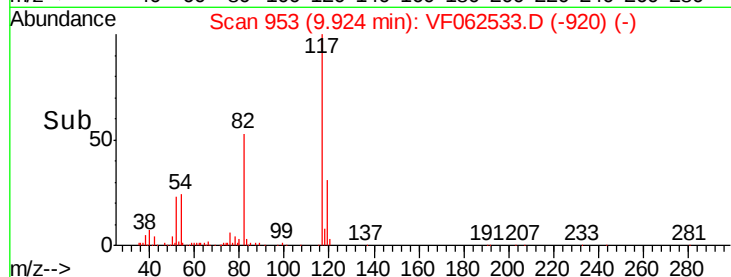
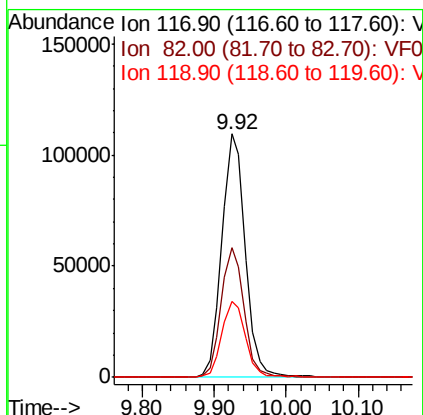
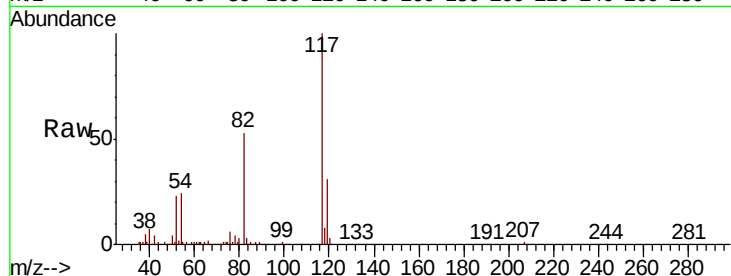




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.02 min
Lab File: VF062533.D
Acq: 13 May 2019 6:39

Instrument :
MSVOA_F
ClientSampleId :
P026-SS013-1218-01RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.2	63.2
119	31.2	25.0	37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VF062533.D
Acq: 13 May 2019 6:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	26.4	79.2
150	158.8	0.0	335.0

