

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062528.D
 Acq On : 13 May 2019 4:20
 Operator : FY/SY
 Sample : K2756-09RE
 Misc : 7.02g/5mL/MSVOA F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS006-1218-01

Quant Time: May 13 07:32:23 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	306463	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.80	114	407659	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	346848	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	189961	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	106913	36.91	ug/l	0.04
Spiked Amount			Recovery	=	73.82%	
35) Dibromofluoromethane	4.33	113	136446	42.01	ug/l	0.03
Spiked Amount			Recovery	=	84.02%	
50) Toluene-d8	7.73	98	269451	34.27	ug/l	0.03
Spiked Amount			Recovery	=	68.54%	
62) 4-Bromofluorobenzene	11.51	95	114270	32.22	ug/l	0.02
Spiked Amount			Recovery	=	64.44%	

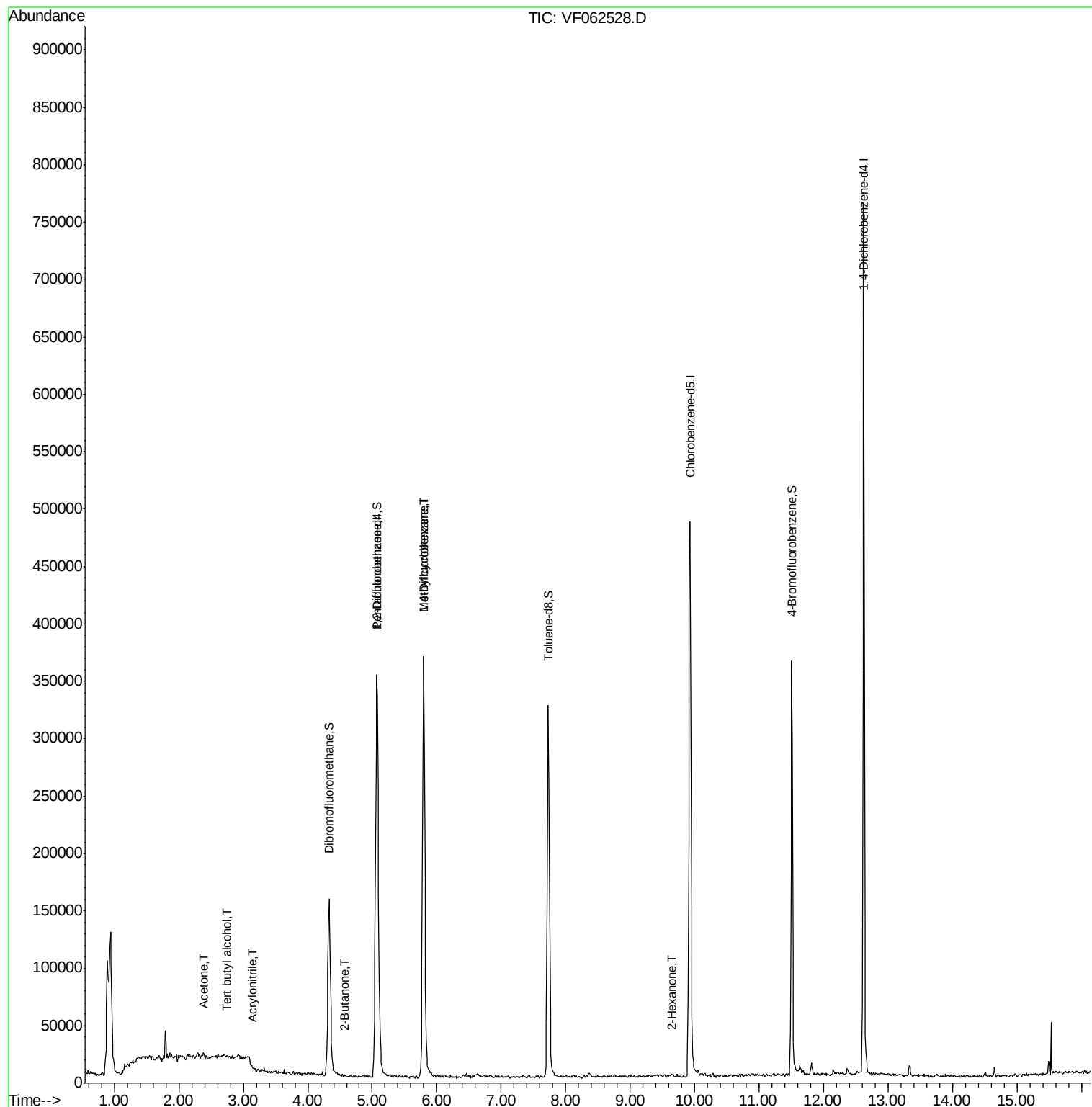
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.44	94	1457	Below Cal	#	27
11) Tert butyl alcohol	2.75	59	890	5.437	ug/l #	49
13) Acrolein	2.15	56	889	Below Cal		84
15) Acrylonitrile	3.15	53	436	1.406	ug/l #	24
16) Acetone	2.38	43	3297	5.627	ug/l #	62
18) Methyl Acetate	2.51	43	875	Below Cal	#	61
25) 2-Butanone	4.57	43	832	1.130	ug/l #	60
37) Ethyl Acetate	4.29	43	453	Below Cal	#	85
38) Carbon Tetrachloride	4.33	117	60	Below Cal	#	14
39) Methylcyclohexane	5.80	83	6213	1.769	ug/l #	41
49) 1,4-Dioxane	6.92	88	80	Below Cal	#	1
59) 2-Hexanone	9.65	43	936	1.121	ug/l #	54

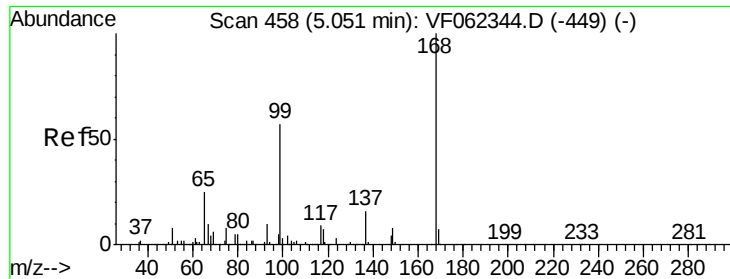
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051219\
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Quant Time: May 13 07:32:23 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: 5.08 min Scan# 461

Delta R.T. 0.03 min

Lab File: VF062528.D

Acq: 13 May 2019 4:20

Instrument :

MSVOA_F

ClientSampleId :

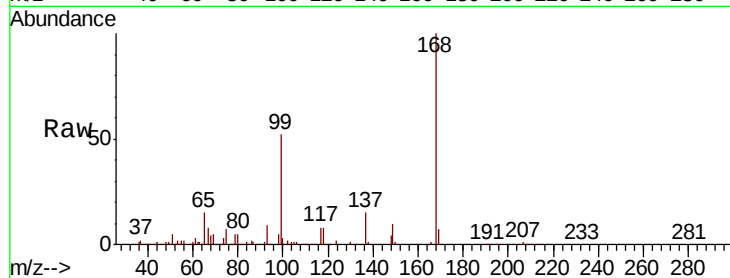
P021-SS006-1218-01

Tot Ion:168 Resp: 306463

Ion Ratio Lower Upper

168 100

99 51.8 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

120000

100000

80000

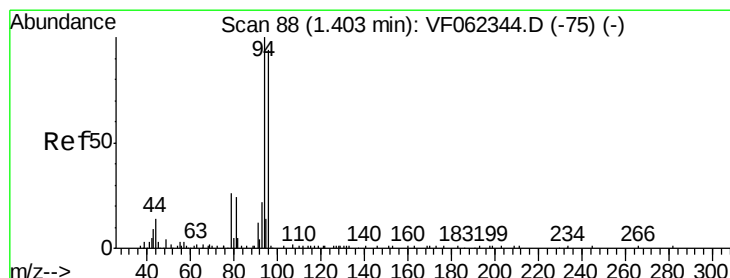
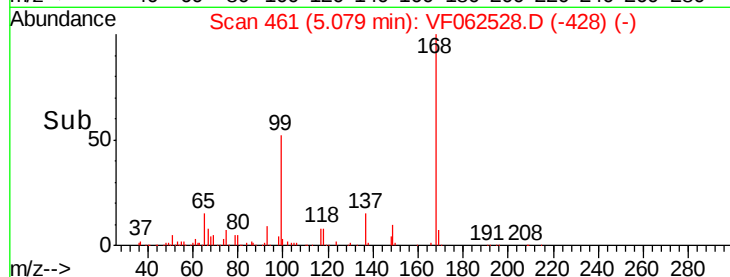
60000

40000

20000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#5

Bromomethane

Concen: Below Cal

RT: 1.44 min Scan# 92

Delta R.T. 0.04 min

Lab File: VF062528.D

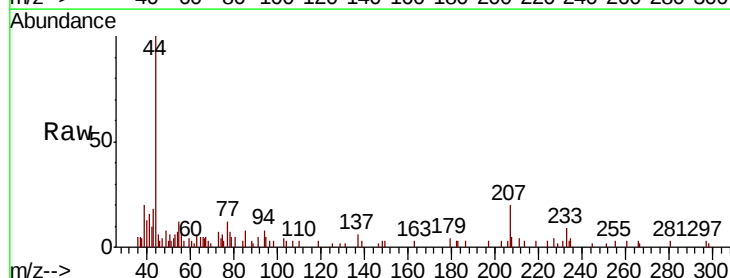
Acq: 13 May 2019 4:20

Tgt Ion: 94 Resp: 1457

Ion Ratio Lower Upper

94 100

96 23.4 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

600

500

400

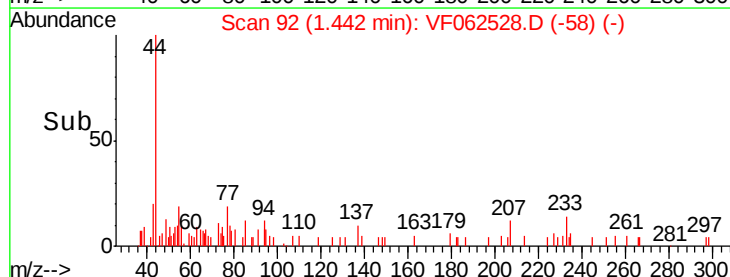
300

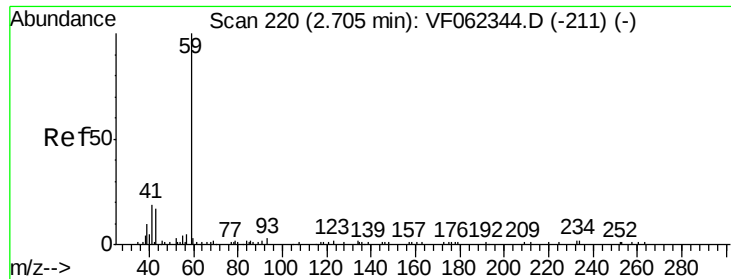
200

100

0

Time--> 1.40 1.45 1.50



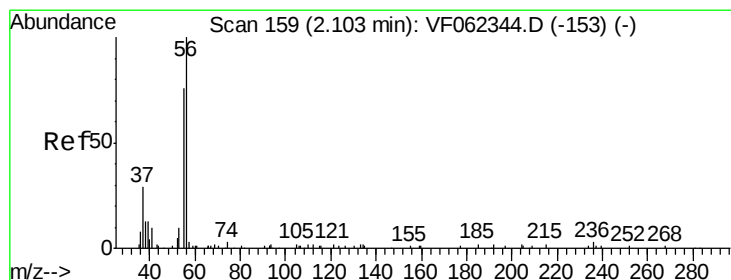
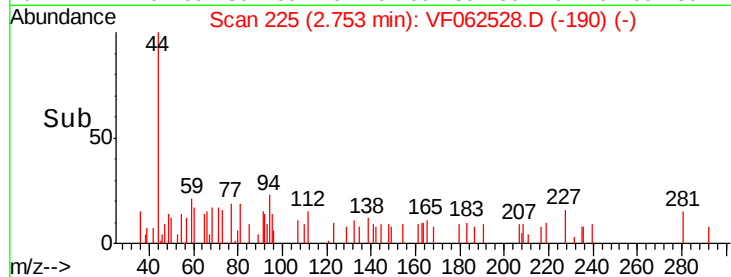
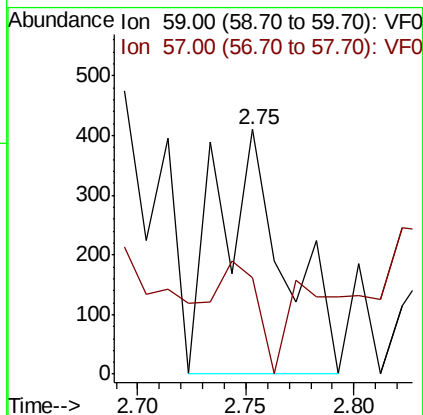
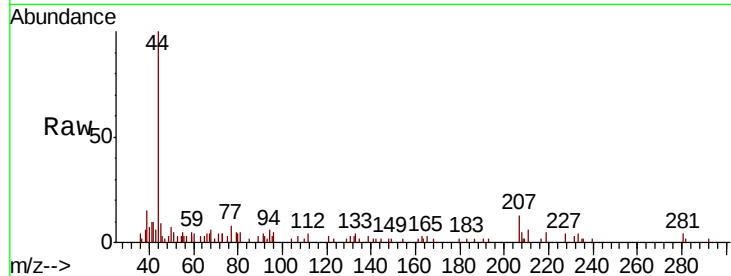


#11

Tert butyl alcohol
 Concen: 5.437 ug/l
 RT: 2.75 min Scan# 225
 Delta R.T. 0.05 min
 Lab File: VF062528.D
 Acq: 13 May 2019 4:20

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS006-1218-01

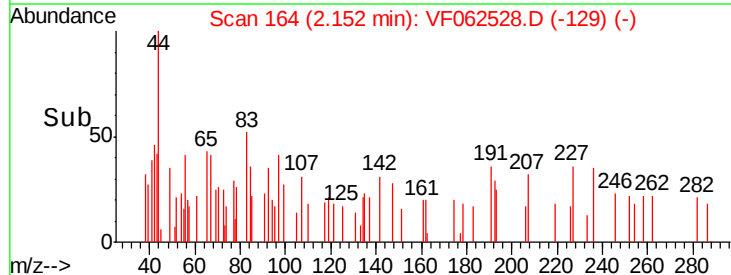
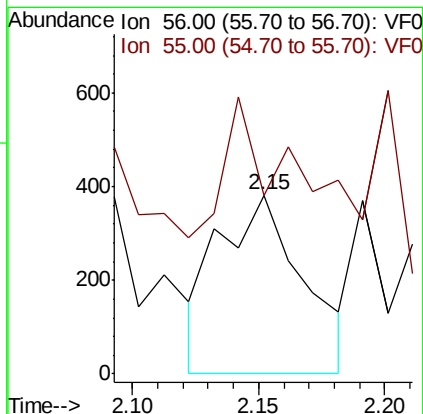
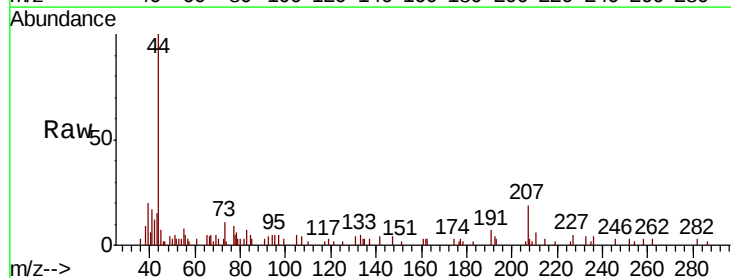
Tot Ion: 59 Resp: 890
 Ion Ratio Lower Upper
 59 100
 57 31.3 9.3 13.9#

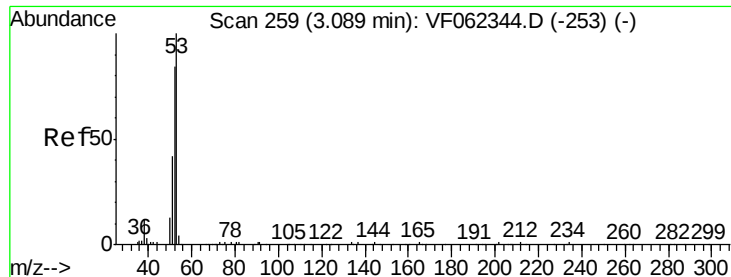


#13

Acrolein
 Concen: Below Cal
 RT: 2.15 min Scan# 164
 Delta R.T. 0.05 min
 Lab File: VF062528.D
 Acq: 13 May 2019 4:20

Tgt Ion: 56 Resp: 889
 Ion Ratio Lower Upper
 56 100
 55 60.0 58.4 87.6





#15

Acrylonitrile

Concen: 1.406 ug/l

RT: 3.15 min Scan# 265

Delta R.T. 0.06 min

Lab File: VF062528.D

Acq: 13 May 2019 4:20

Instrument :

MSVOA_F

ClientSampleId :

P021-SS006-1218-01

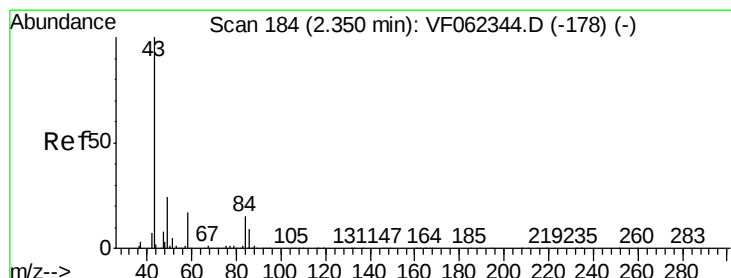
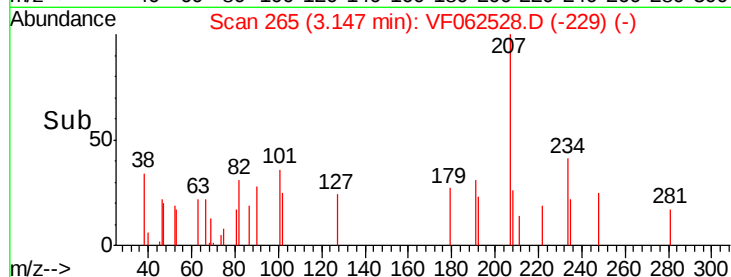
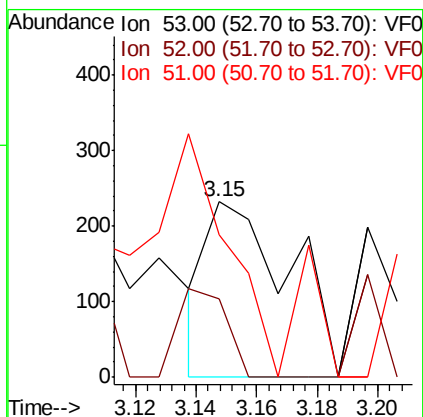
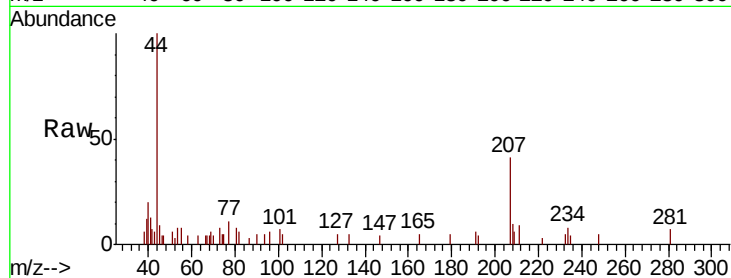
Tot Ion: 53 Resp: 436

Ion Ratio Lower Upper

53 100

52 30.0 77.2 115.8#

51 114.0 40.6 61.0#



#16

Acetone

Concen: 5.627 ug/l

RT: 2.38 min Scan# 187

Delta R.T. 0.03 min

Lab File: VF062528.D

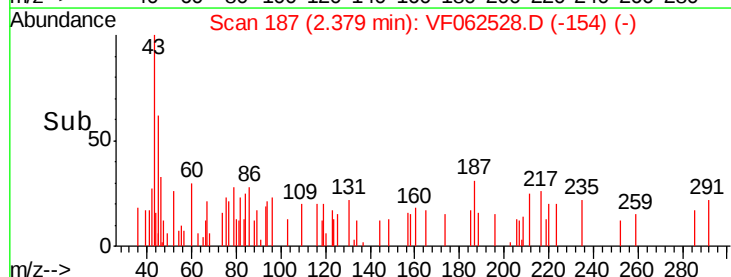
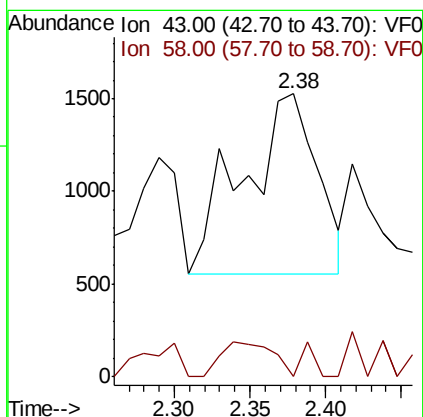
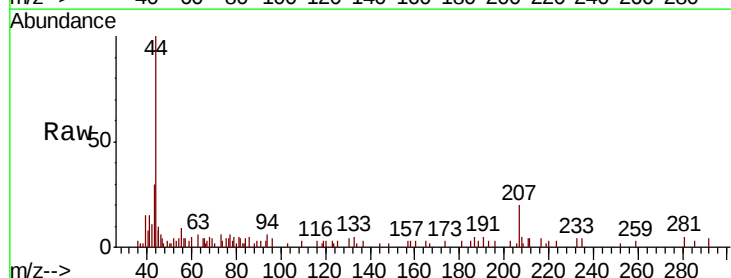
Acq: 13 May 2019 4:20

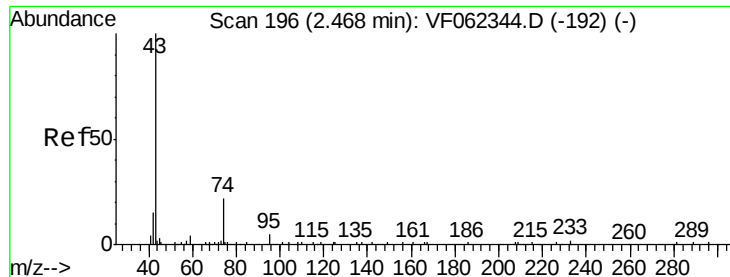
Tgt Ion: 43 Resp: 3297

Ion Ratio Lower Upper

43 100

58 0.0 13.1 19.7#

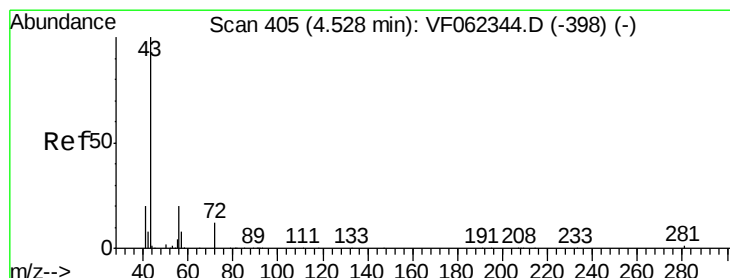
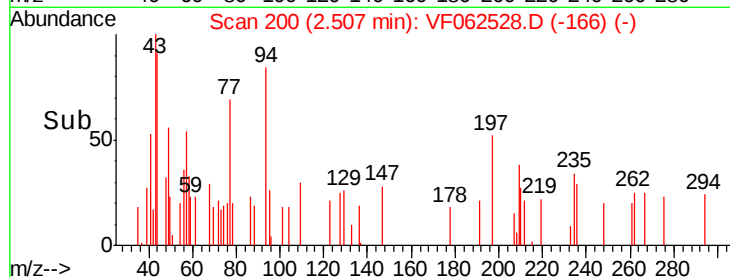
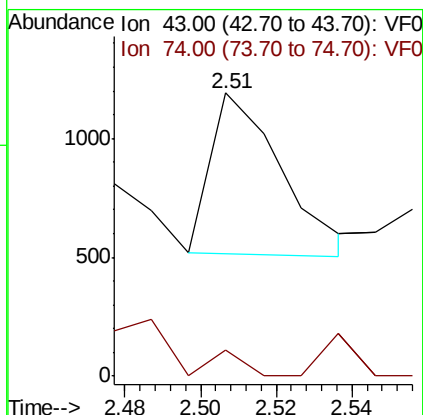
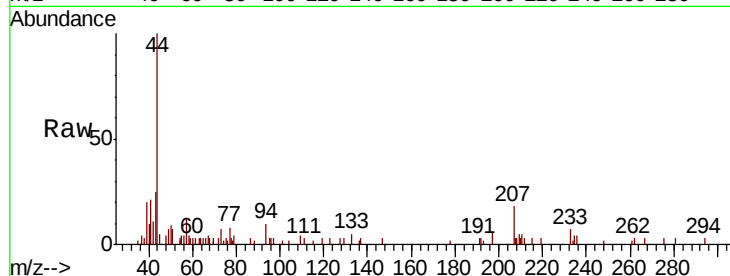




#18
Methyl Acetate
Concen: Below Cal
RT: 2.51 min Scan# 200
Delta R.T. 0.04 min
Lab File: VF062528.D
Acq: 13 May 2019 4:20

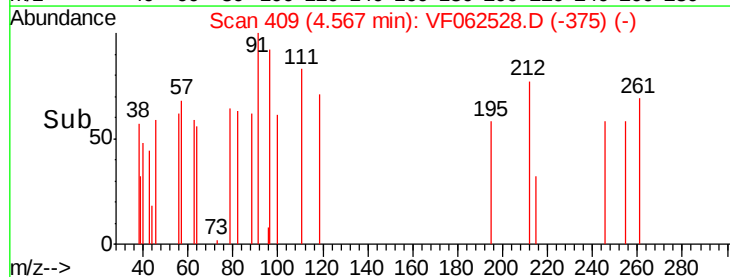
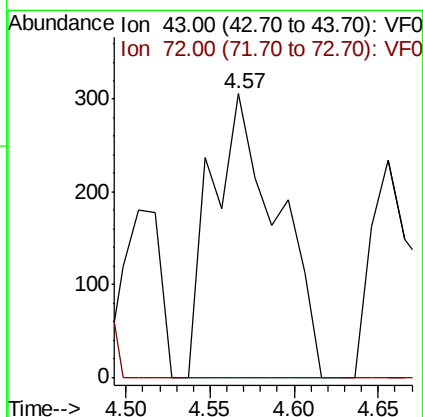
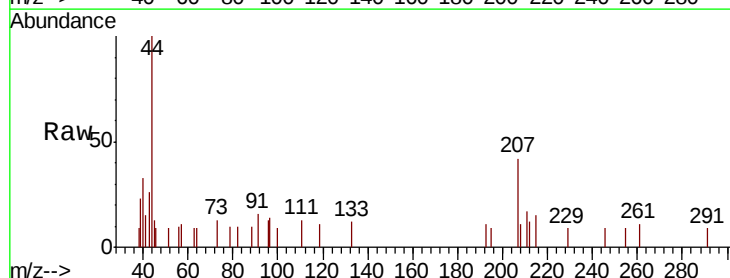
Instrument :
MSVOA_F
ClientSampleId :
P021-SS006-1218-01

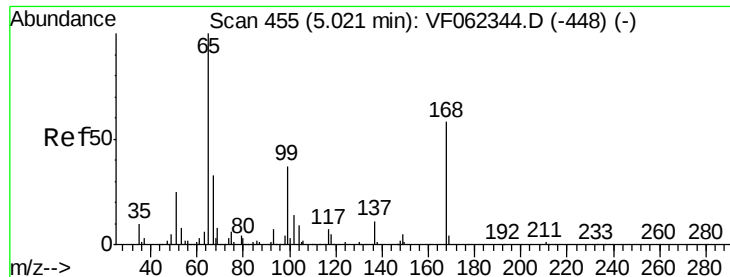
Tot Ion: 43 Resp: 875
Ion Ratio Lower Upper
43 100
74 36.3 15.0 22.4#



#25
2-Butanone
Concen: 1.130 ug/l
RT: 4.57 min Scan# 409
Delta R.T. 0.04 min
Lab File: VF062528.D
Acq: 13 May 2019 4:20

Tgt Ion: 43 Resp: 832
Ion Ratio Lower Upper
43 100
72 0.0 14.2 21.4#





#33

1,2-Dichloroethane-d4

Concen: 36.915 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.04 min

Lab File: VF062528.D

Acq: 13 May 2019 4:20

Instrument :

MSVOA_F

ClientSampleId :

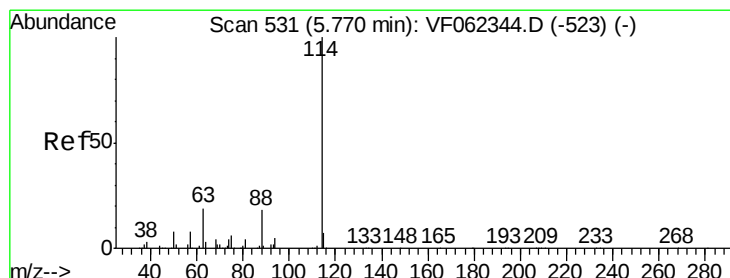
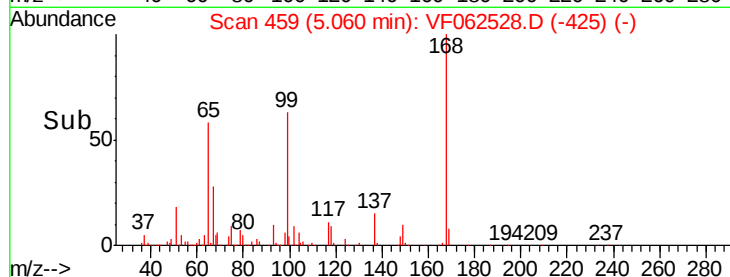
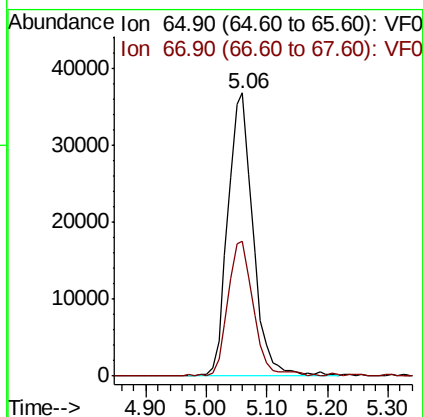
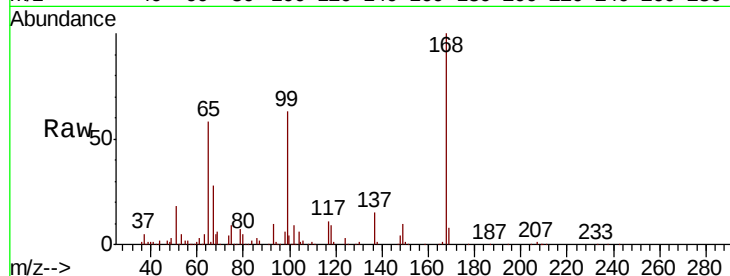
P021-SS006-1218-01

Tot Ion: 65 Resp: 106913

Ion Ratio Lower Upper

65 100

67 48.2 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: VF062528.D

Acq: 13 May 2019 4:20

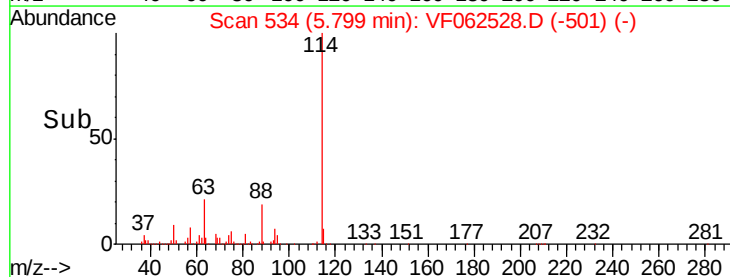
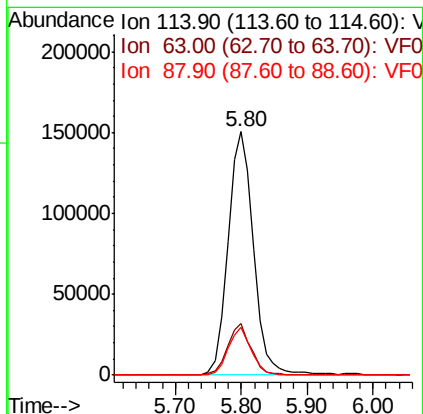
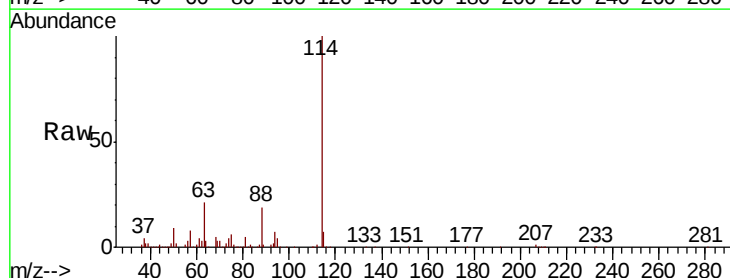
Tgt Ion: 114 Resp: 407659

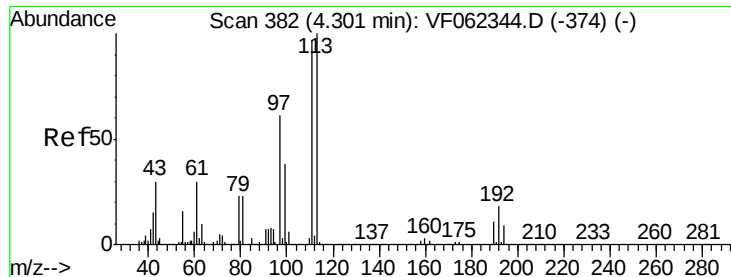
Ion Ratio Lower Upper

114 100

63 21.1 0.0 37.4

88 19.4 0.0 36.4

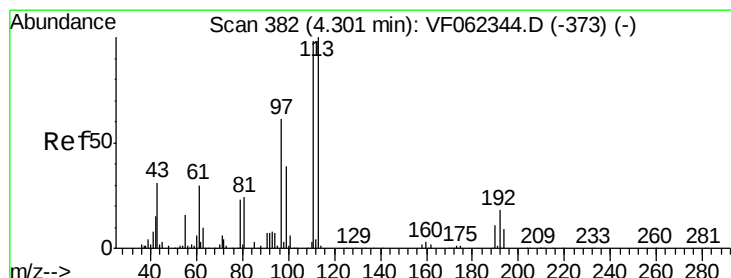
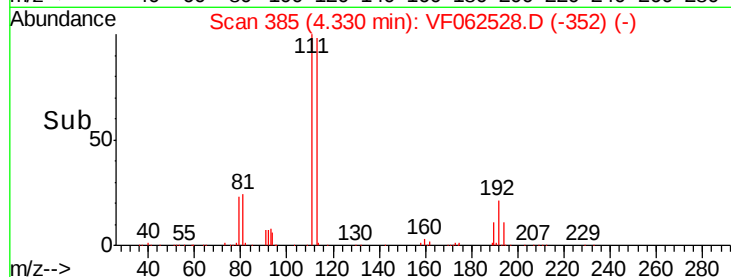
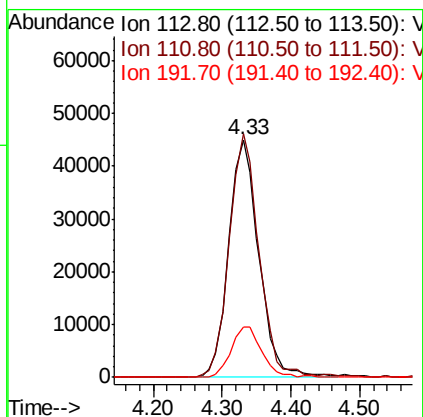
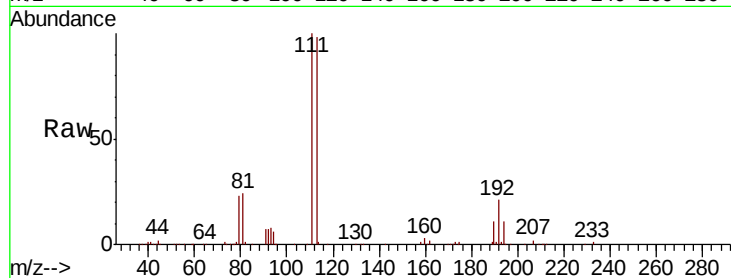




#35
Dibromofluoromethane
Concen: 42.012 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.03 min
Lab File: VF062528.D
Acq: 13 May 2019 4:20

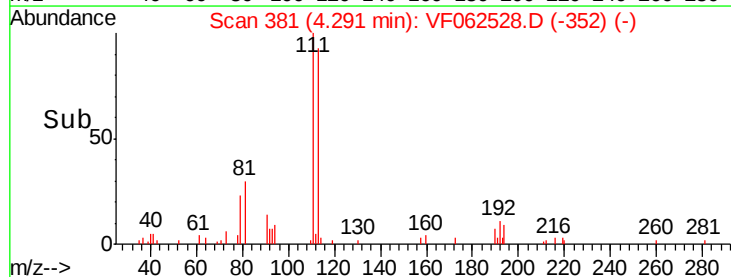
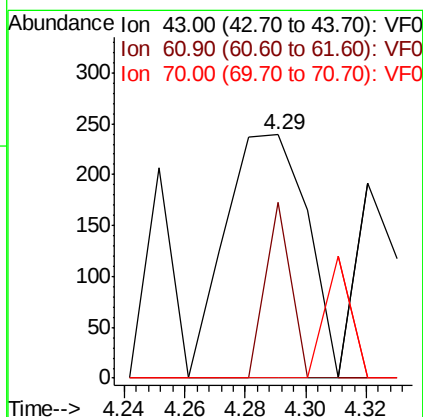
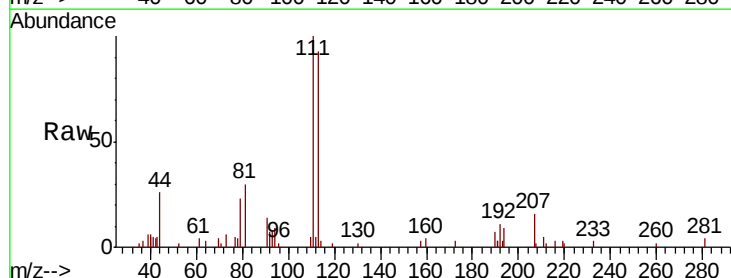
Instrument :
MSVOA_F
ClientSampleId :
P021-SS006-1218-01

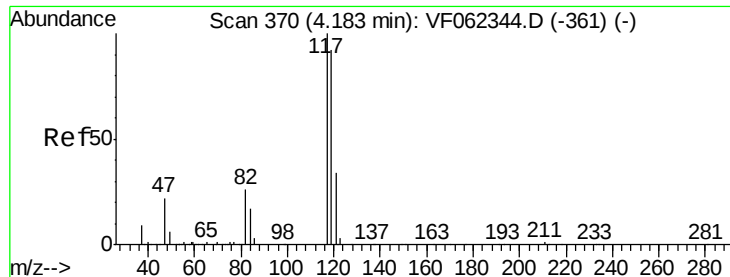
Tot Ion:113 Resp: 136446
Ion Ratio Lower Upper
113 100
111 102.3 79.4 119.0
192 21.7 16.0 24.0



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062528.D
Acq: 13 May 2019 4:20

Tgt Ion: 43 Resp: 453
Ion Ratio Lower Upper
43 100
61 22.5 0.0 0.0#
70 15.7 8.2 12.2#





#38

Carbon Tetrachloride

Concen: Below Cal

RT: 4.33 min Scan# 385

Delta R.T. 0.15 min

Lab File: VF062528.D

Acq: 13 May 2019 4:20

Instrument :

MSVOA_F

ClientSampleId :

P021-SS006-1218-01

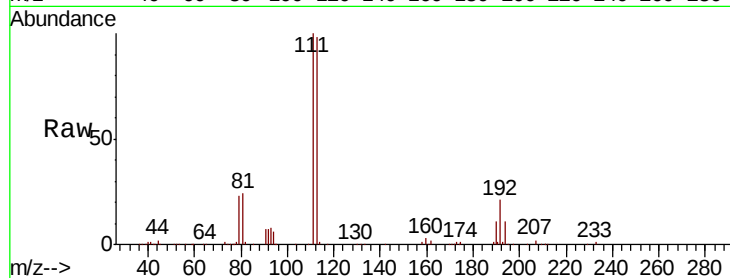
Tot Ion:117 Resp: 60

Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

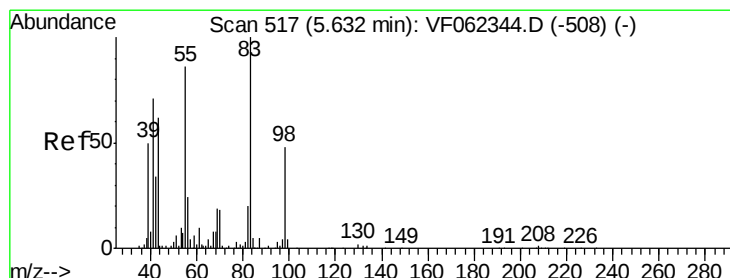
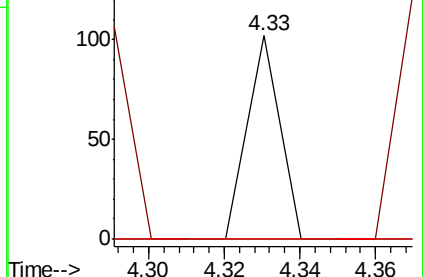
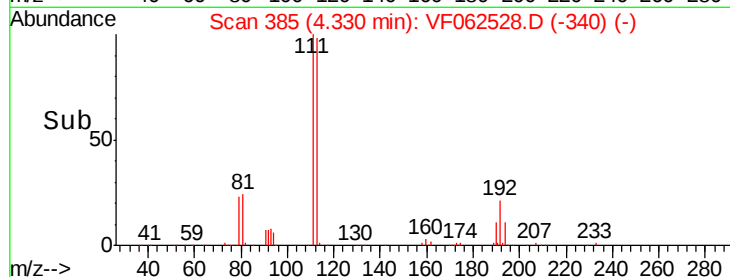
121 0.0 27.4 41.0#



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: 1.769 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.17 min

Lab File: VF062528.D

Acq: 13 May 2019 4:20

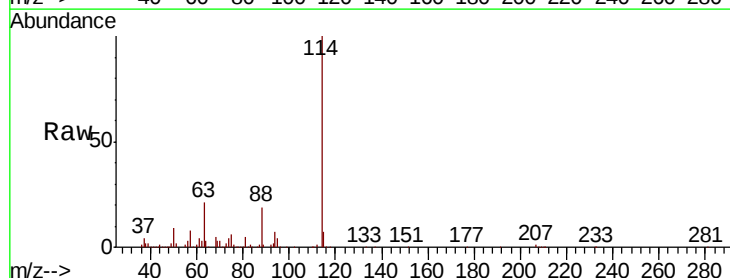
Tgt Ion: 83 Resp: 6213

Ion Ratio Lower Upper

83 100

55 38.1 69.0 103.6#

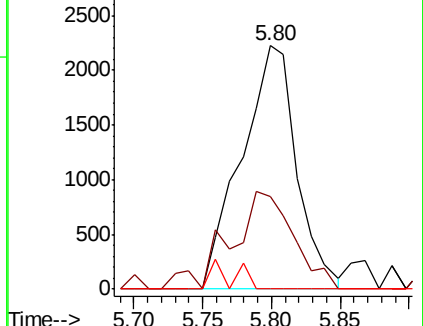
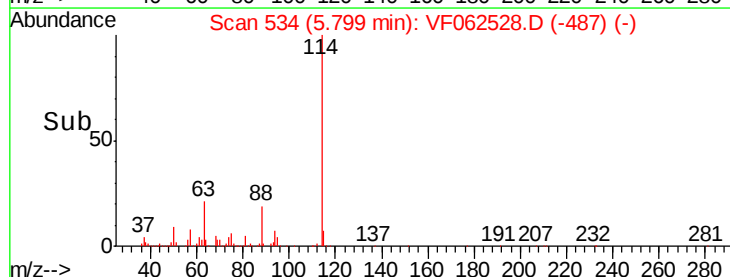
98 0.0 38.6 58.0#

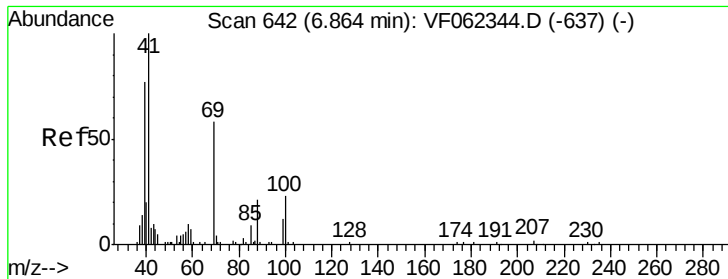


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

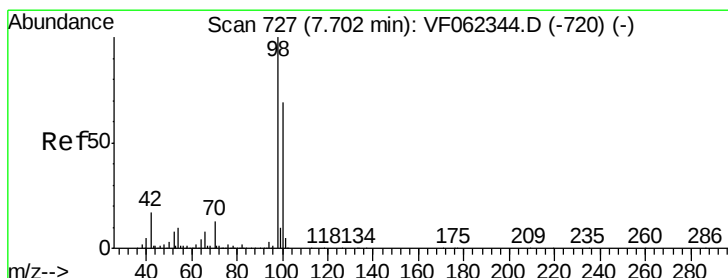
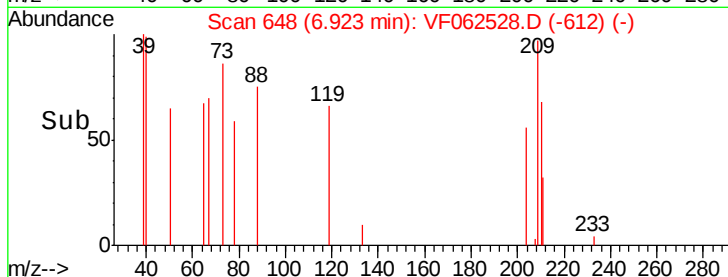
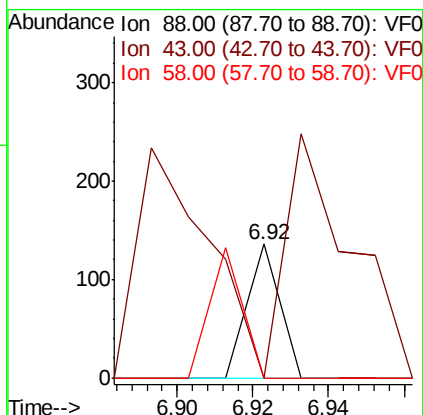
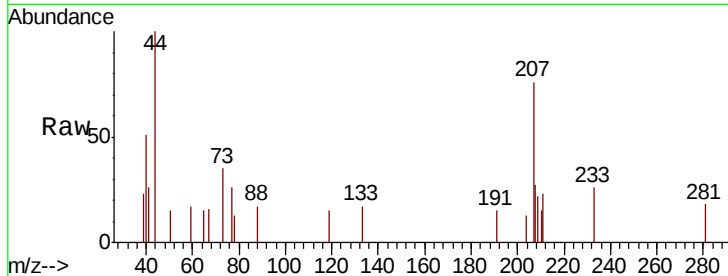




#49
1,4-Dioxane
Concen: Below Cal
RT: 6.92 min Scan# 648
Delta R.T. 0.06 min
Lab File: VF062528.D
Acq: 13 May 2019 4:20

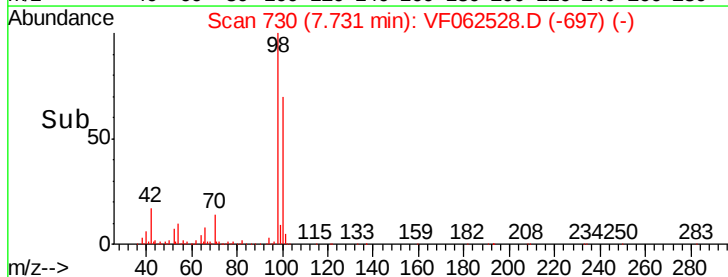
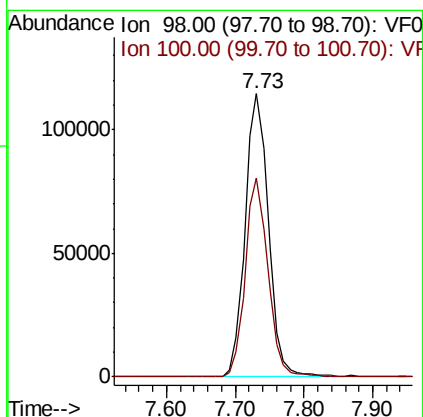
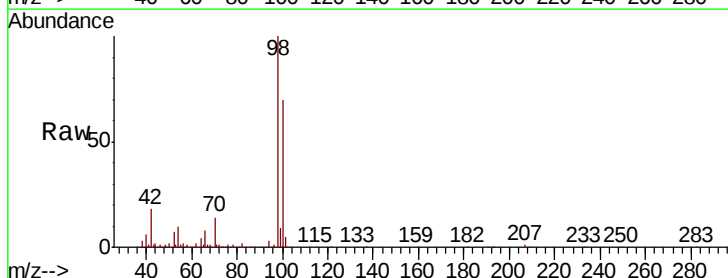
Instrument :
MSVOA_F
ClientSampleId :
P021-SS006-1218-01

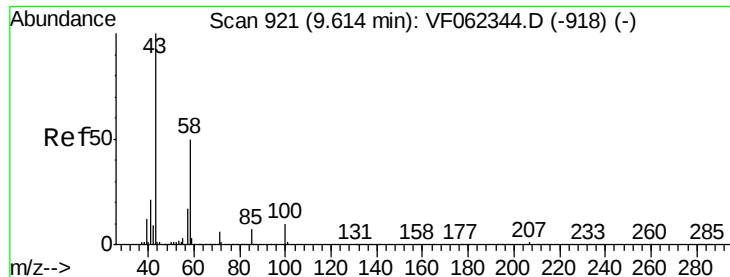
Tot Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 370.0 55.6 83.4#
58 97.5 52.8 79.2#



#50
Toluene-d8
Concen: 34.274 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.03 min
Lab File: VF062528.D
Acq: 13 May 2019 4:20

Tgt Ion: 98 Resp: 269451
Ion Ratio Lower Upper
98 100
100 68.6 53.3 79.9

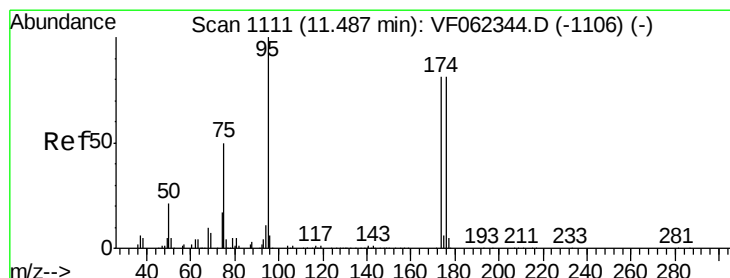
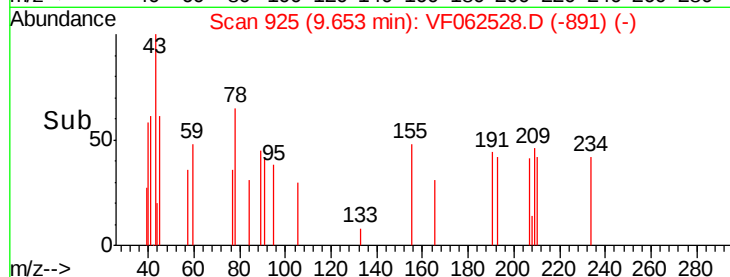
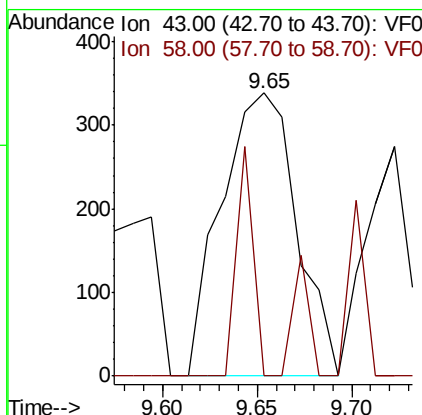
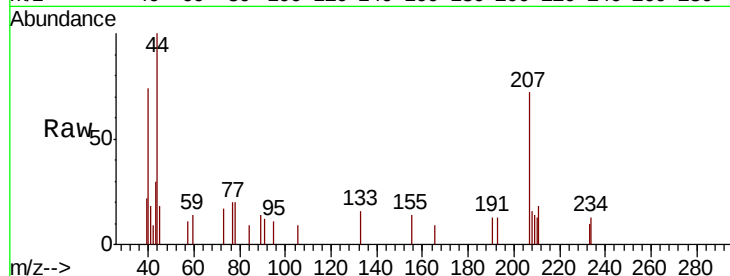




#59
2-Hexanone
Concen: 1.121 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.04 min
Lab File: VF062528.D
Acq: 13 May 2019 4:20

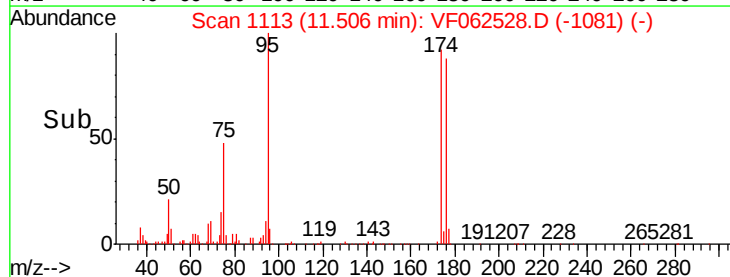
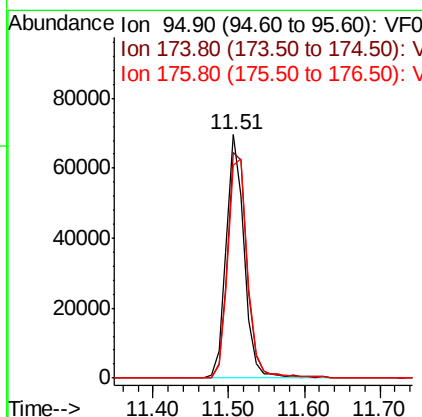
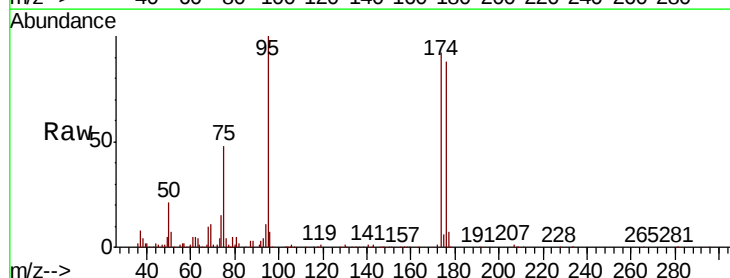
Instrument :
MSVOA_F
ClientSampleId :
P021-SS006-1218-01

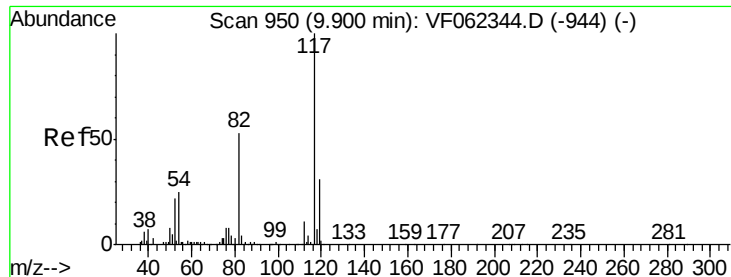
Tot Ion: 43 Resp: 936
Ion Ratio Lower Upper
43 100
58 17.4 24.3 73.0#



#62
4-Bromofluorobenzene
Concen: 32.217 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VF062528.D
Acq: 13 May 2019 4:20

Tgt Ion: 95 Resp: 114270
Ion Ratio Lower Upper
95 100
174 100.5 0.0 191.8
176 99.3 0.0 193.2

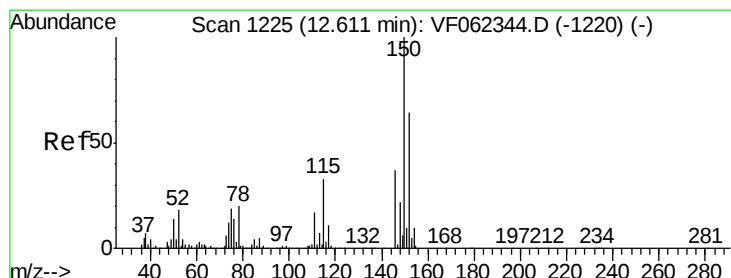
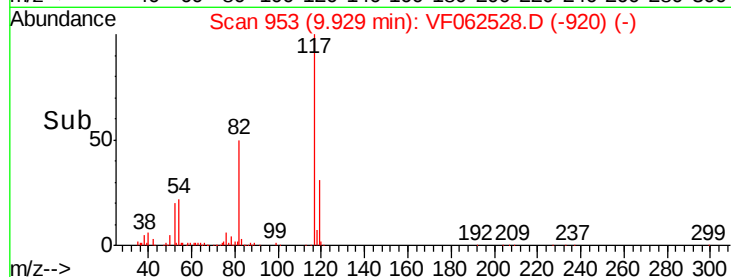
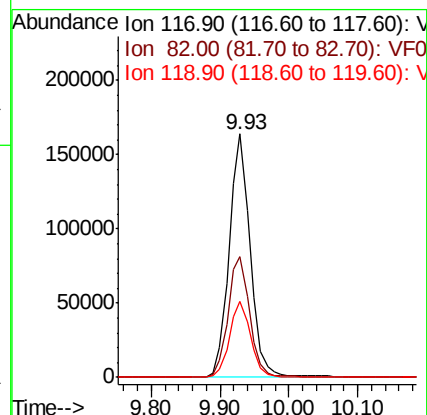
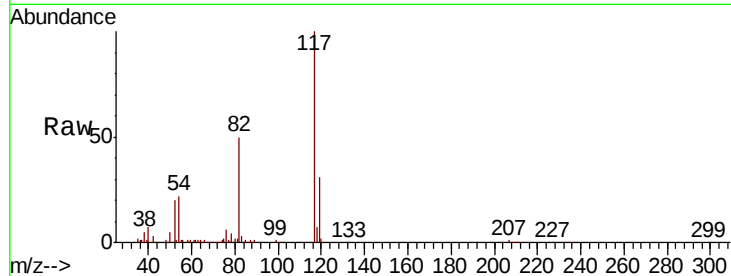




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.03 min
Lab File: VF062528.D
Acq: 13 May 2019 4:20

Instrument :
MSVOA_F
ClientSampleId :
P021-SS006-1218-01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.7	42.2	63.2
119	31.4	25.0	37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062528.D
Acq: 13 May 2019 4:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	26.4	79.2
150	152.9	0.0	335.0

