

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051319\
 Data File : VF062555.D
 Acq On : 13 May 2019 21:31
 Operator : FY/SY
 Sample : K2733-12RE
 Misc : 5.51g/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS002-1218-01RE

Quant Time: May 14 07:05:06 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	271117	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.80	114	352336	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	227161	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	85010	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	122601	47.85	ug/l	0.04
Spiked Amount			Recovery	=	95.70%	
35) Dibromofluoromethane	4.33	113	137592	49.02	ug/l	0.03
Spiked Amount			Recovery	=	98.04%	
50) Toluene-d8	7.73	98	232084	34.16	ug/l	0.03
Spiked Amount			Recovery	=	68.32%	
62) 4-Bromofluorobenzene	11.50	95	72936	23.79	ug/l	0.02
Spiked Amount			Recovery	=	47.58%	

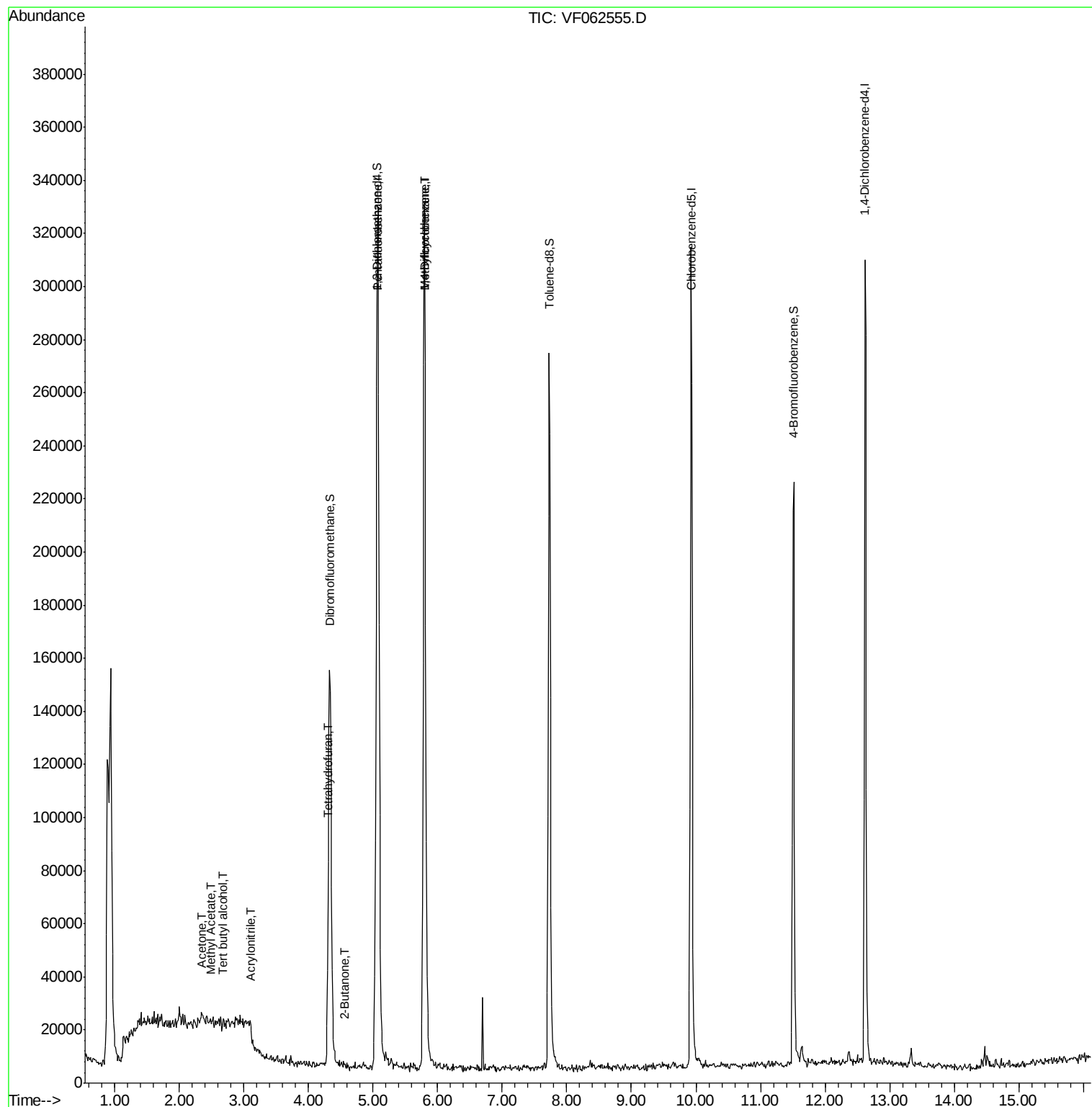
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.41	94	344	Below Cal	#	3
11) Tert butyl alcohol	2.68	59	327	2.258	ug/l #	1
13) Acrolein	2.08	56	488	Below Cal	#	56
15) Acrylonitrile	3.11	53	590	2.151	ug/l #	60
16) Acetone	2.36	43	5507	10.625	ug/l #	78
18) Methyl Acetate	2.48	43	4219	1.420	ug/l #	90
25) 2-Butanone	4.57	43	724	1.112	ug/l #	60
29) Tetrahydrofuran	4.30	42	558	1.865	ug/l #	72
37) Ethyl Acetate	4.31	43	344	Below Cal	#	73
38) Carbon Tetrachloride	4.13	117	150	Below Cal	#	14
39) Methylcyclohexane	5.80	83	6632	2.185	ug/l #	40
49) 1,4-Dioxane	6.80	88	69	Below Cal	#	1

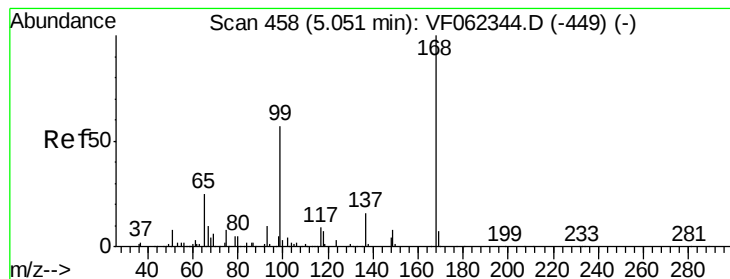
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051319\
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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: VF062555.D

Acq: 13 May 2019 21:31

Instrument :

MSVOA_F

ClientSampleId :

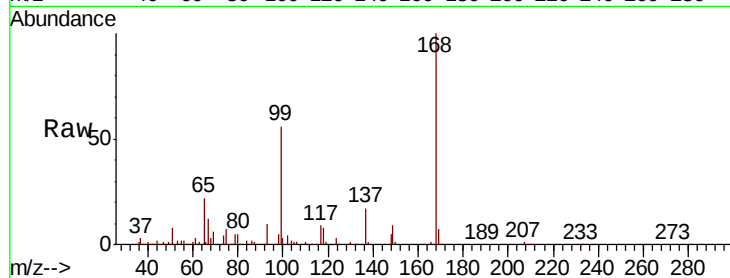
P021-SS002-1218-01RE

Tot Ion:168 Resp: 271117

Ion Ratio Lower Upper

168 100

99 56.5 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

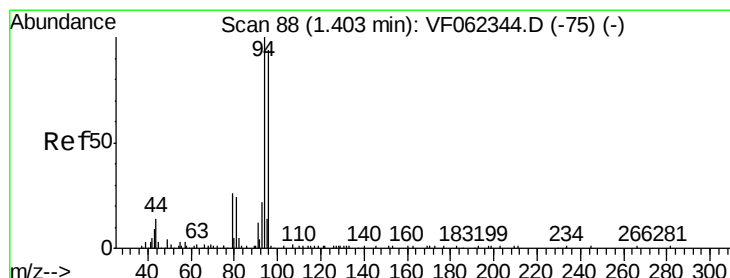
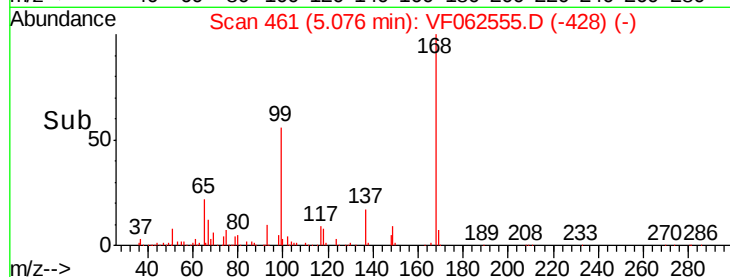
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.41 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF062555.D

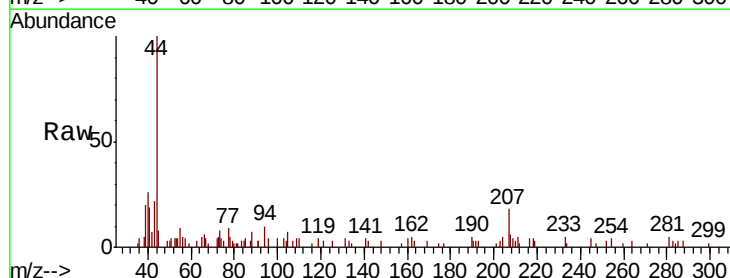
Acq: 13 May 2019 21:31

Tgt Ion: 94 Resp: 344

Ion Ratio Lower Upper

94 100

96 0.0 75.4 113.2#



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

1.41

500

400

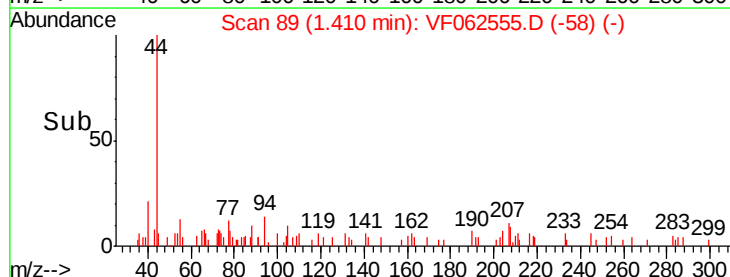
300

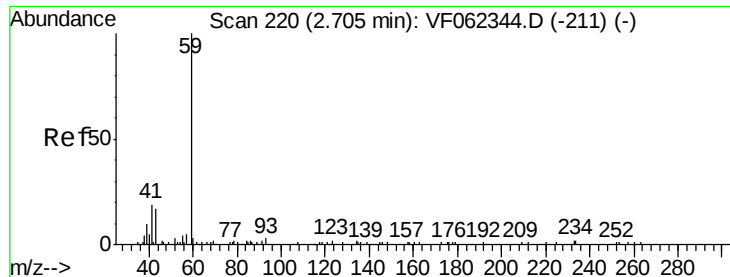
200

100

0

Time-->



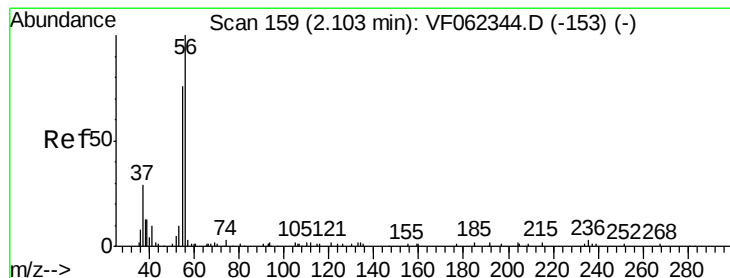
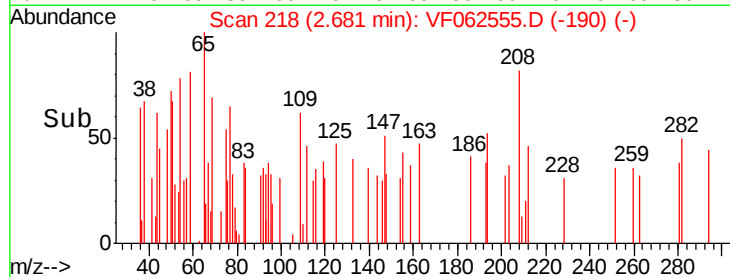
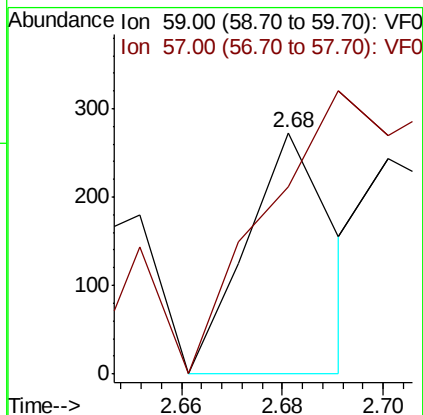
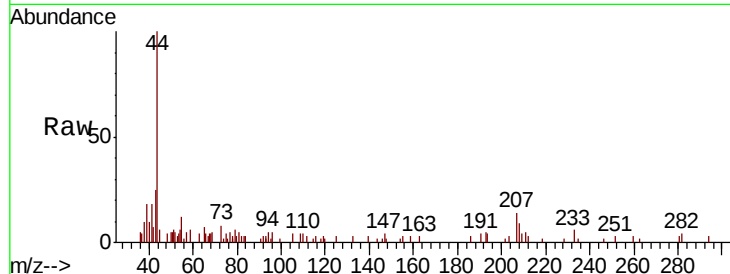


#11

Tert butyl alcohol
Concen: 2.258 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.02 min
Lab File: VF062555.D
Acq: 13 May 2019 21:31

Instrument :
MSVOA_F
ClientSampleId :
P021-SS002-1218-01RE

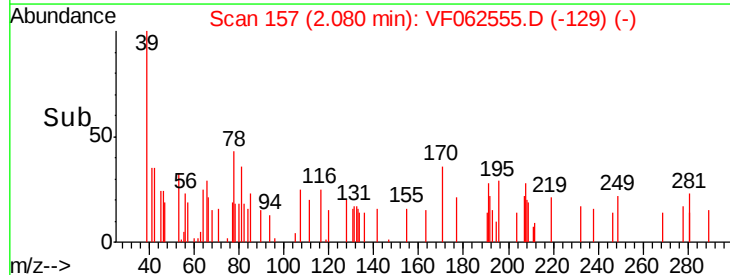
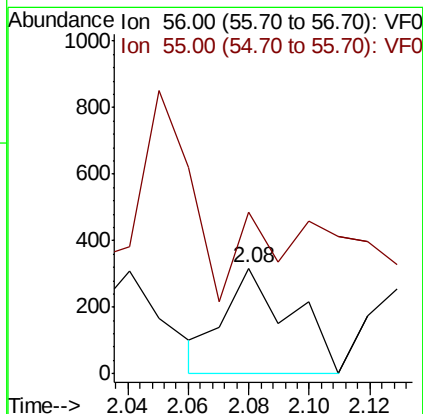
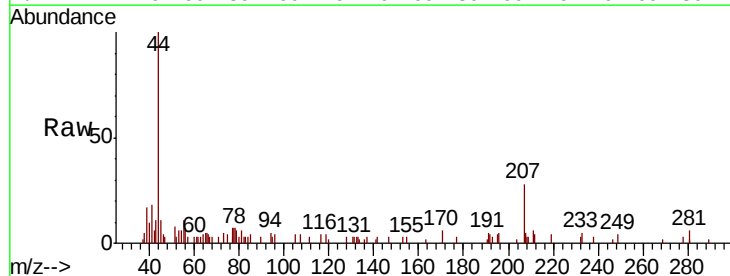
Tot Ion: 59 Resp: 327
Ion Ratio Lower Upper
59 100
57 248.6 9.3 13.9#

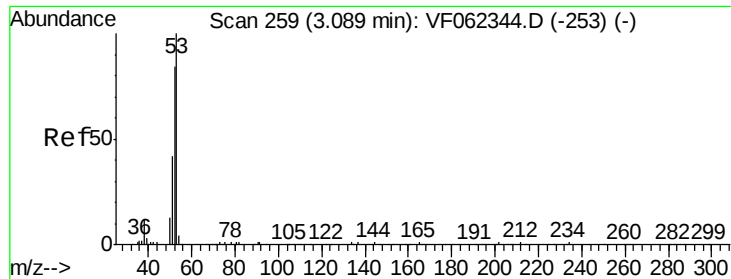


#13

Acrolein
Concen: Below Cal
RT: 2.08 min Scan# 157
Delta R.T. -0.02 min
Lab File: VF062555.D
Acq: 13 May 2019 21:31

Tgt Ion: 56 Resp: 488
Ion Ratio Lower Upper
56 100
55 36.3 58.4 87.6#





#15

Acrylonitrile

Concen: 2.151 ug/l

RT: 3.11 min Scan# 262

Delta R.T. 0.03 min

Lab File: VF062555.D

Acq: 13 May 2019 21:31

Instrument :

MSVOA_F

ClientSampleId :

P021-SS002-1218-01RE

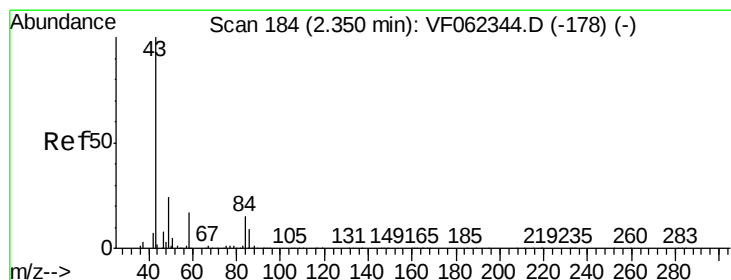
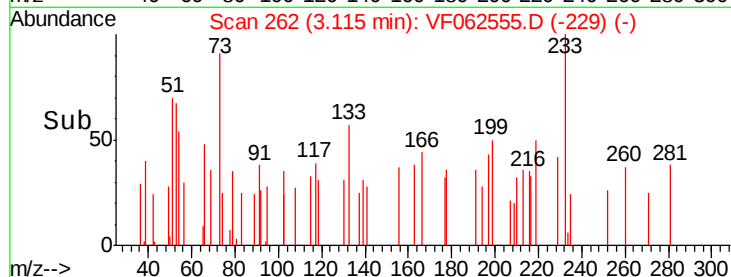
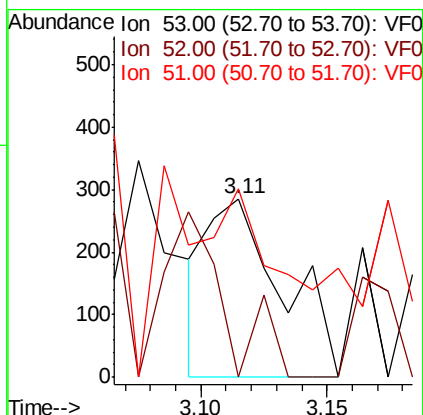
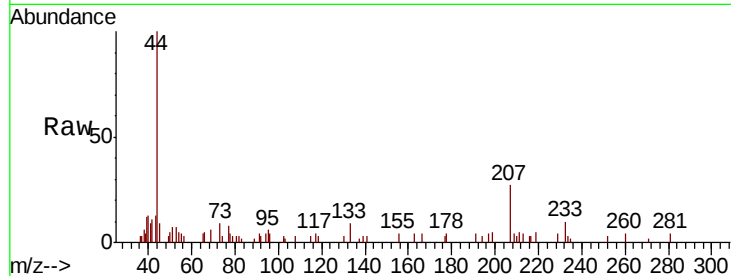
Tot Ion: 53 Resp: 590

Ion Ratio Lower Upper

53 100

52 74.7 77.2 115.8#

51 0.0 40.6 61.0#



#16

Acetone

Concen: 10.625 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062555.D

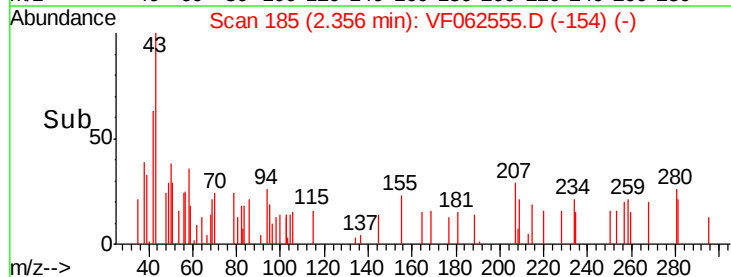
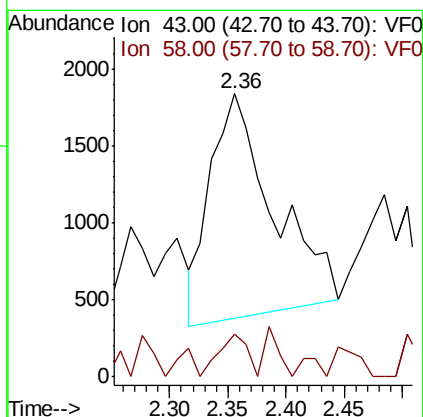
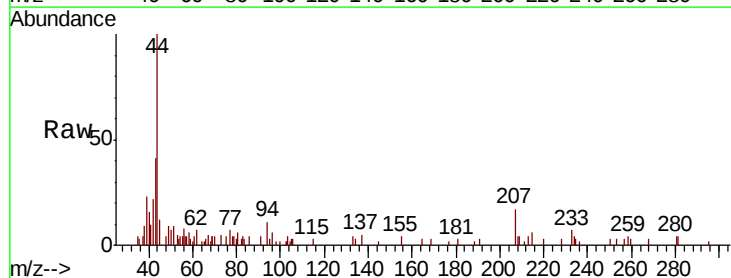
Acq: 13 May 2019 21:31

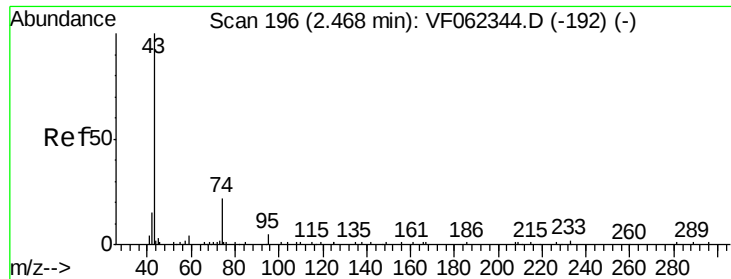
Tgt Ion: 43 Resp: 5507

Ion Ratio Lower Upper

43 100

58 6.9 13.1 19.7#

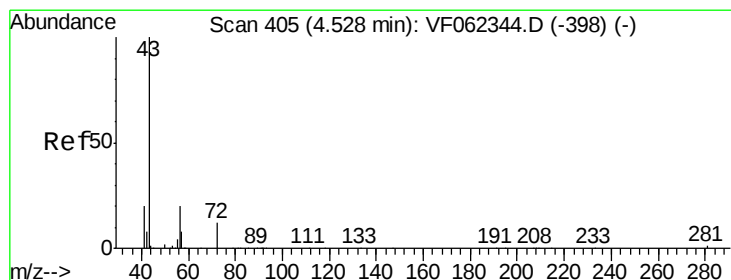
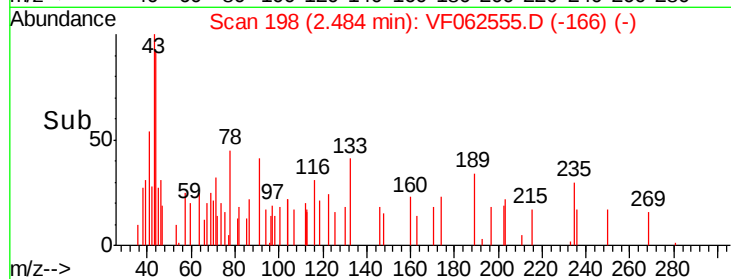
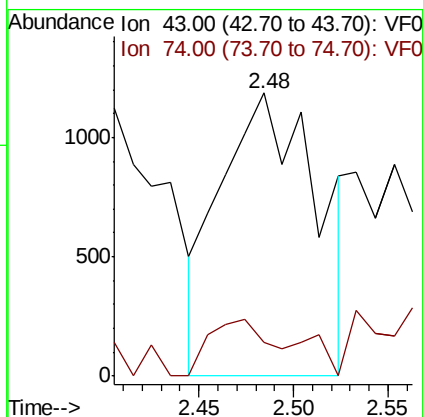
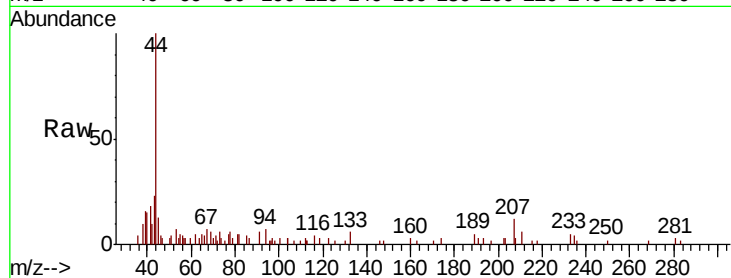




#18
Methvl Acetate
Concen: 1.420 ug/l
RT: 2.48 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF062555.D
Acq: 13 May 2019 21:31

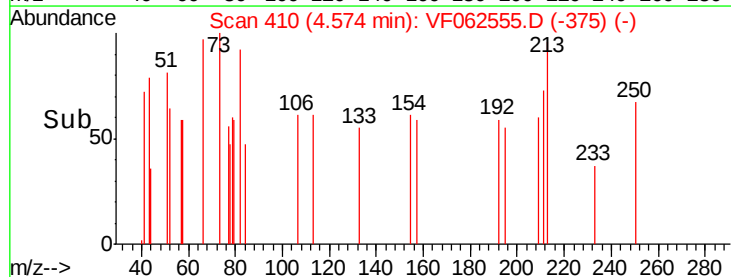
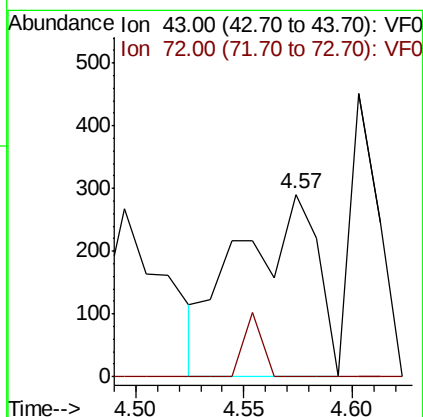
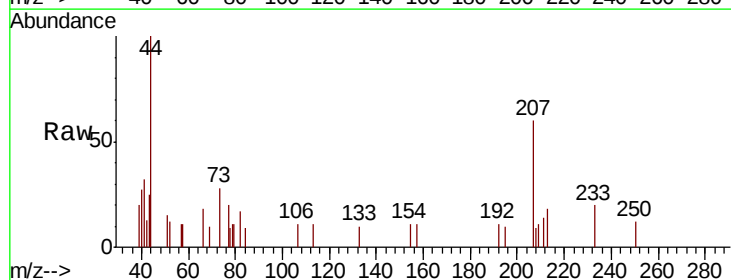
Instrument :
MSVOA_F
ClientSampleId :
P021-SS002-1218-01RE

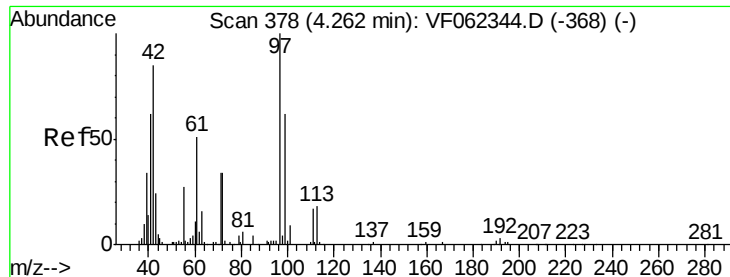
Tot Ion: 43 Resp: 4219
Ion Ratio Lower Upper
43 100
74 14.4 15.0 22.4#



#25
2-Butanone
Concen: 1.112 ug/l
RT: 4.57 min Scan# 410
Delta R.T. 0.05 min
Lab File: VF062555.D
Acq: 13 May 2019 21:31

Tgt Ion: 43 Resp: 724
Ion Ratio Lower Upper
43 100
72 0.0 14.2 21.4#





#29

Tetrahydrofuran

Concen: 1.865 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.04 min

Lab File: VF062555.D

Acq: 13 May 2019 21:31

Instrument :

MSVOA_F

ClientSampleId :

P021-SS002-1218-01RE

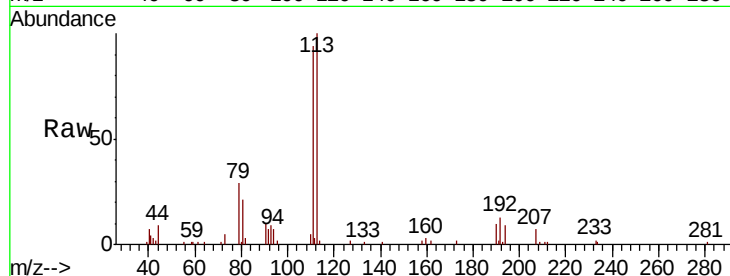
Tot Ion: 42 Resp: 558

Ion Ratio Lower Upper

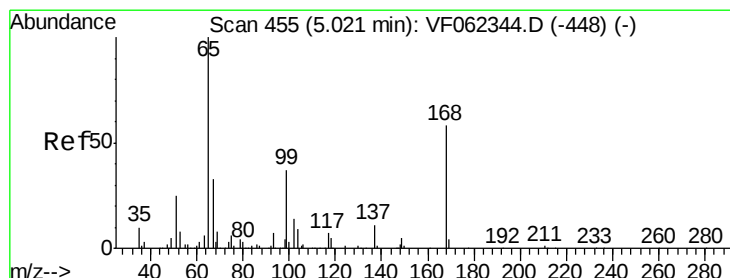
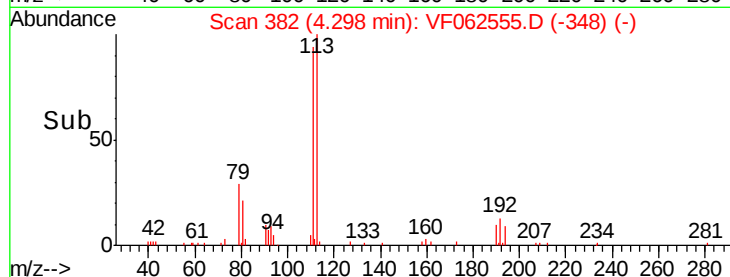
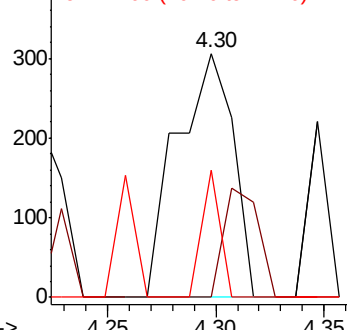
42 100

72 27.1 31.4 47.0#

71 16.8 31.7 47.5#



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 47.850 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.04 min

Lab File: VF062555.D

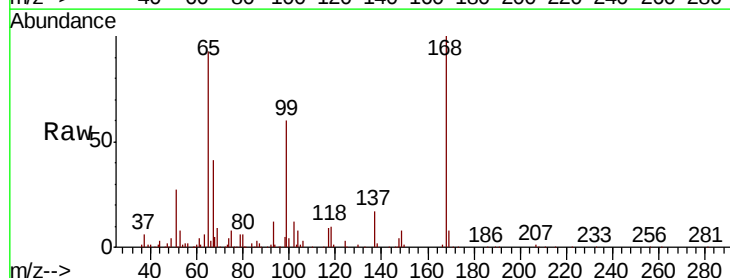
Acq: 13 May 2019 21:31

Tgt Ion: 65 Resp: 122601

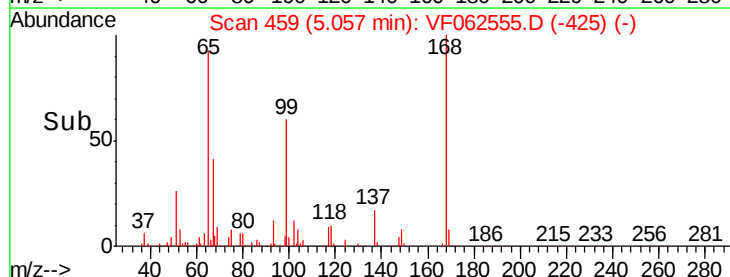
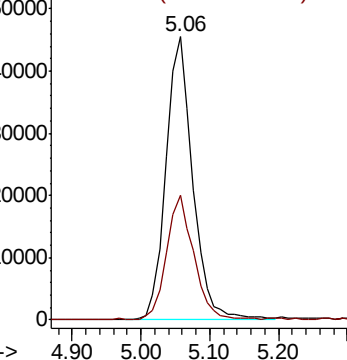
Ion Ratio Lower Upper

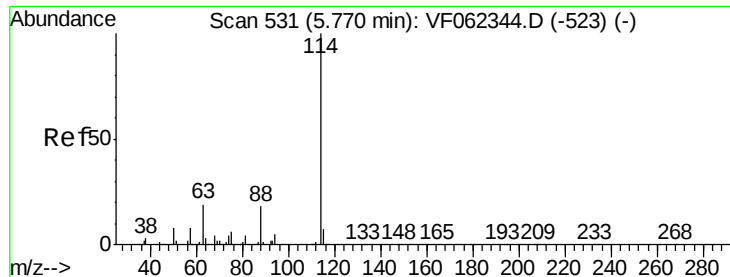
65 100

67 44.8 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0
Ion 66.90 (66.60 to 67.60): VF0

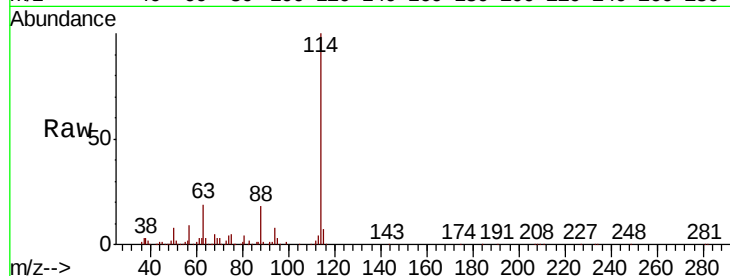




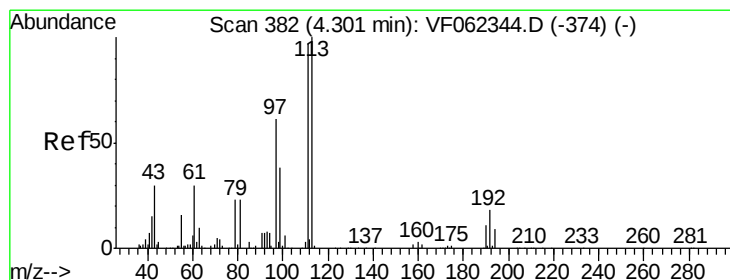
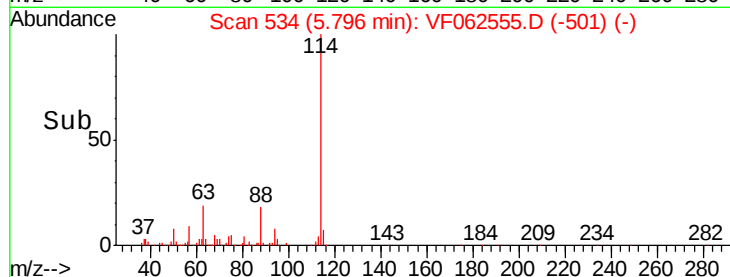
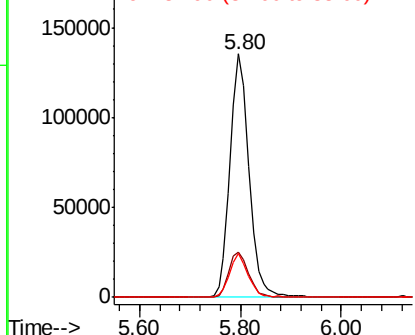
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.80 min Scan# 534
Delta R.T. 0.03 min
Lab File: VF062555.D
Acq: 13 May 2019 21:31

Instrument :
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ClientSampleId :
P021-SS002-1218-01RE

Tot Ion:	114	Resp:	352336
Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	37.4
88	17.9	0.0	36.4

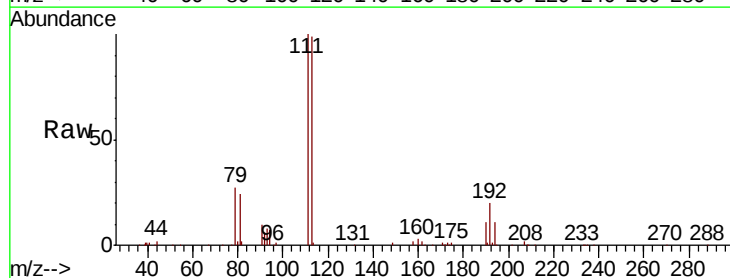


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 87.90 (87.60 to 88.60): VF0

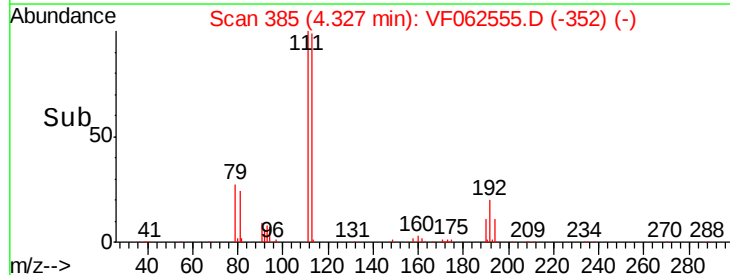
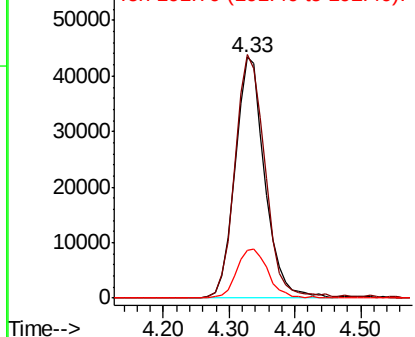


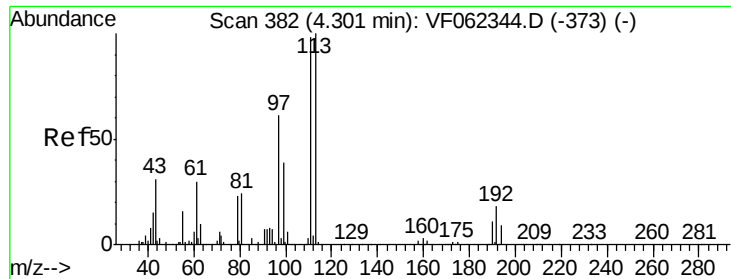
#35
Dibromofluoromethane
Concen: 49.017 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.03 min
Lab File: VF062555.D
Acq: 13 May 2019 21:31

Tgt Ion:	113	Resp:	137592
Ion	Ratio	Lower	Upper
113	100		
111	102.6	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

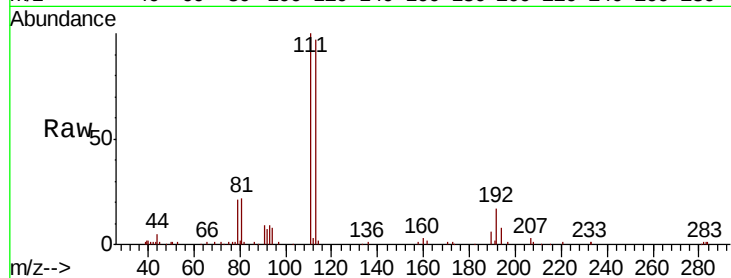




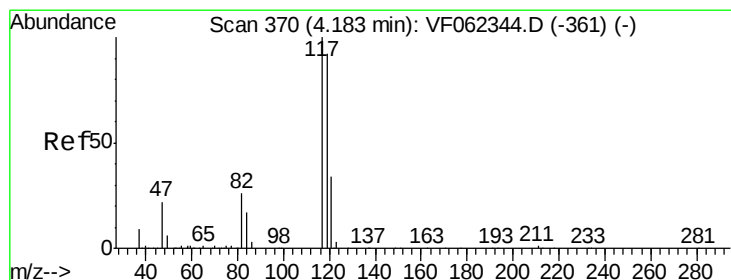
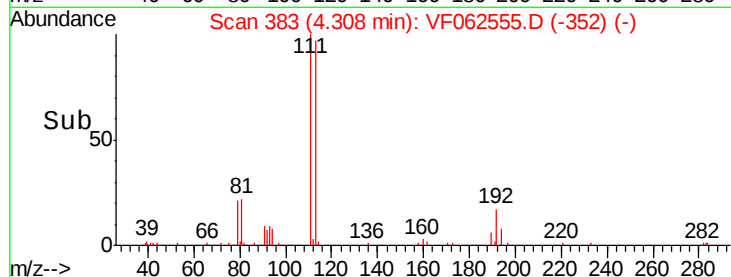
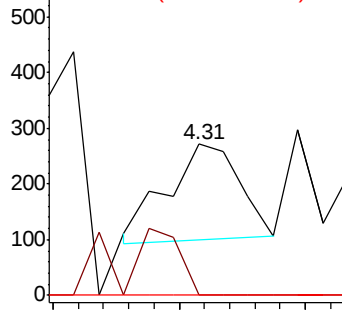
#37
Ethyl Acetate
Concen: Below Cal
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062555.D
Acq: 13 May 2019 21:31

Instrument :
MSVOA_F
ClientSampleId :
P021-SS002-1218-01RE

Tot Ion: 43 Resp: 344
Ion Ratio Lower Upper
43 100
61 58.1 0.0 0.0#
70 0.0 8.2 12.2#

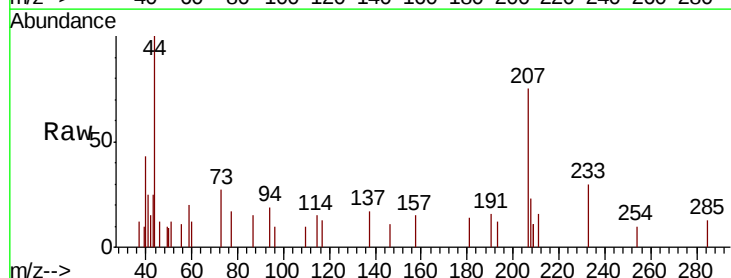


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 70.00 (69.70 to 70.70): VF0

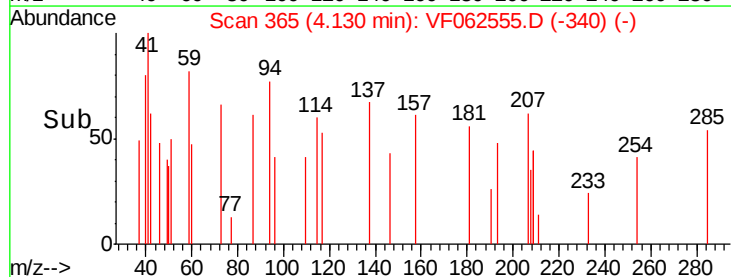
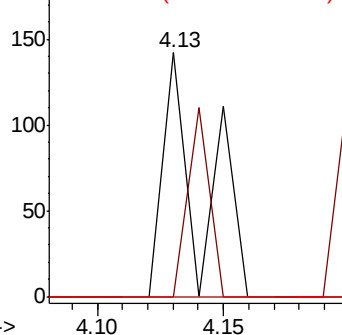


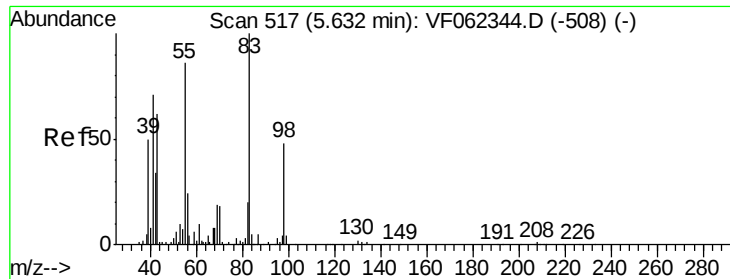
#38
Carbon Tetrachloride
Concen: Below Cal
RT: 4.13 min Scan# 365
Delta R.T. -0.05 min
Lab File: VF062555.D
Acq: 13 May 2019 21:31

Tgt Ion: 117 Resp: 150
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

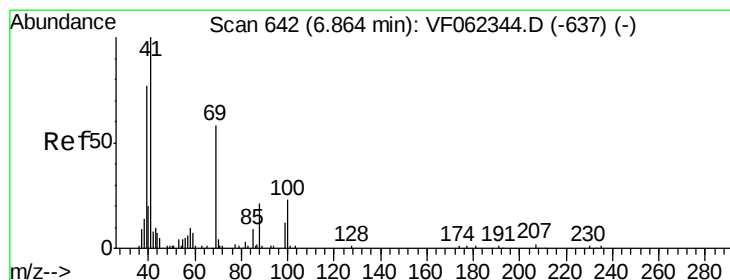
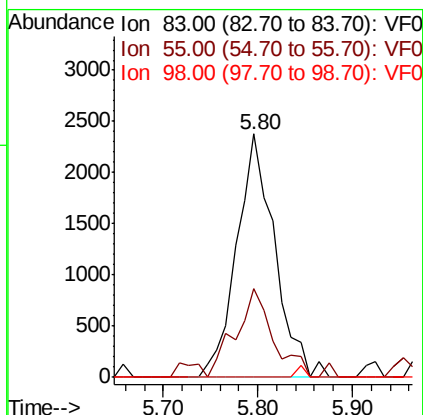
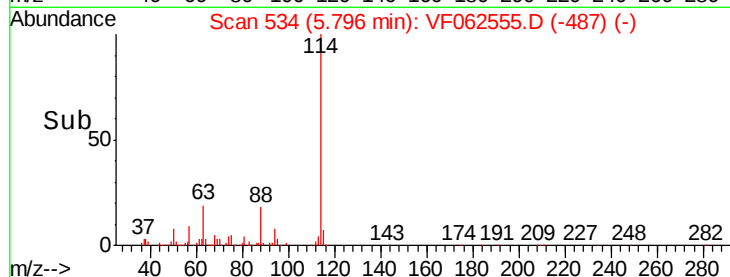
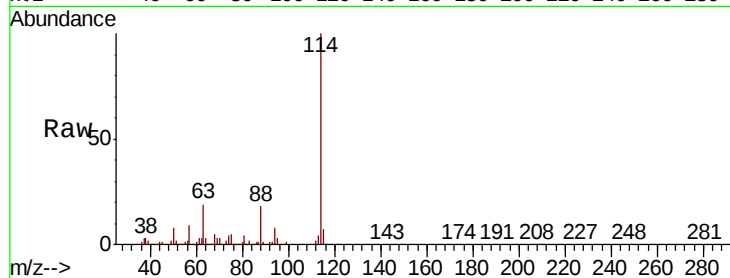




#39
Methvlcvclohexane
Concen: 2.185 ug/l
RT: 5.80 min Scan# 534
Delta R.T. 0.16 min
Lab File: VF062555.D
Acq: 13 May 2019 21:31

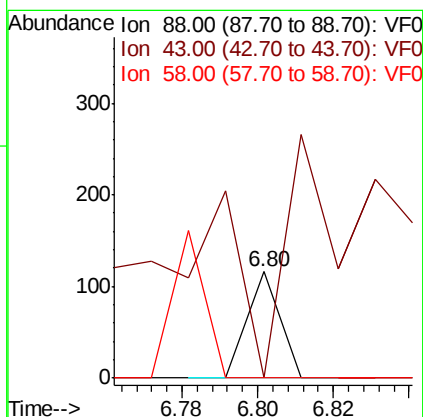
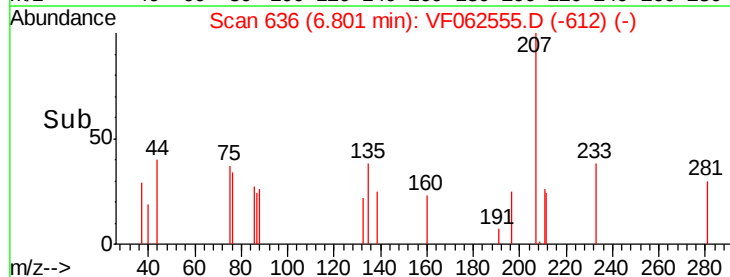
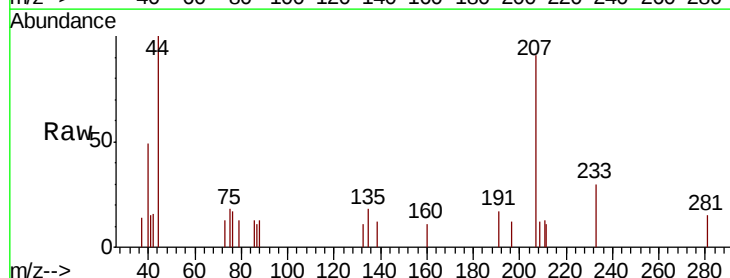
Instrument :
MSVOA_F
ClientSampleId :
P021-SS002-1218-01RE

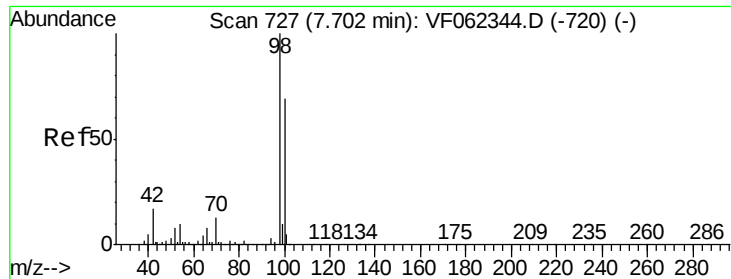
Tot Ion: 83 Resp: 6632
Ion Ratio Lower Upper
83 100
55 36.3 69.0 103.6#
98 0.0 38.6 58.0#



#49
1,4-Dioxane
Concen: Below Cal
RT: 6.80 min Scan# 636
Delta R.T. -0.06 min
Lab File: VF062555.D
Acq: 13 May 2019 21:31

Tgt Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 1211.6 55.6 83.4#
58 0.0 52.8 79.2#

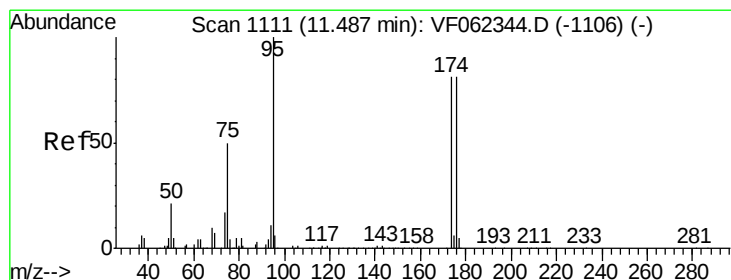
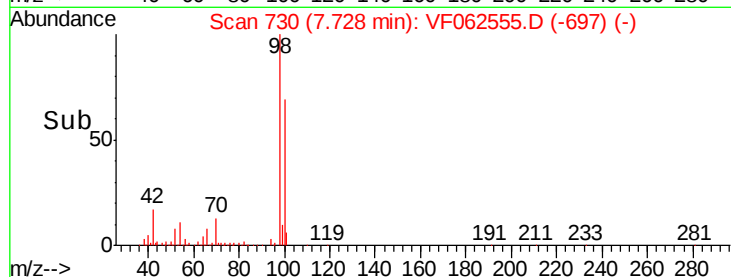
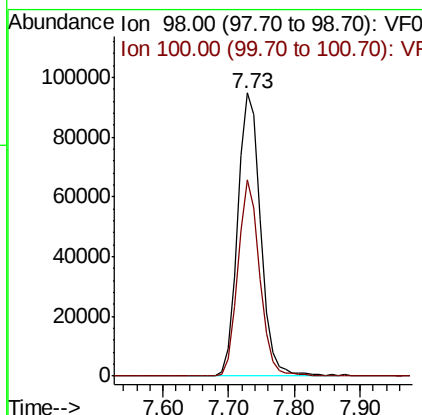
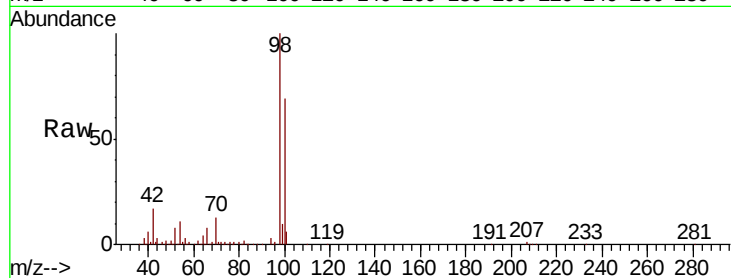




#50
Toluene-d8
Concen: 34.156 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.03 min
Lab File: VF062555.D
Acq: 13 May 2019 21:31

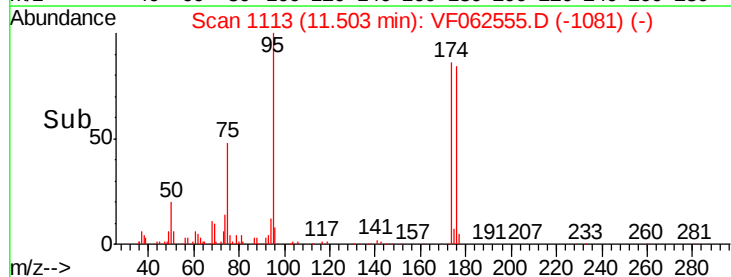
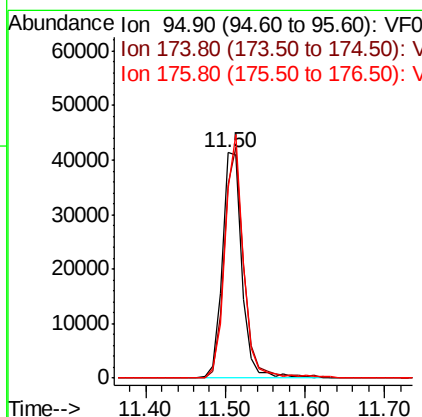
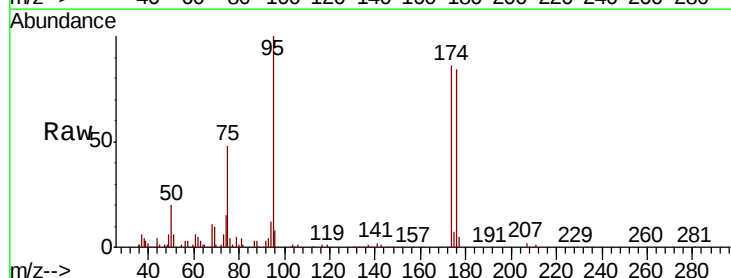
Instrument :
MSVOA_F
ClientSampleId :
P021-SS002-1218-01RE

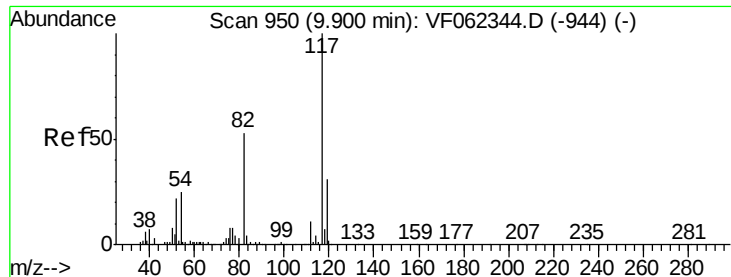
Tot Ion: 98 Resp: 232084
Ion Ratio Lower Upper
98 100
100 65.6 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 23.792 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VF062555.D
Acq: 13 May 2019 21:31

Tgt Ion: 95 Resp: 72936
Ion Ratio Lower Upper
95 100
174 100.4 0.0 191.8
176 100.2 0.0 193.2

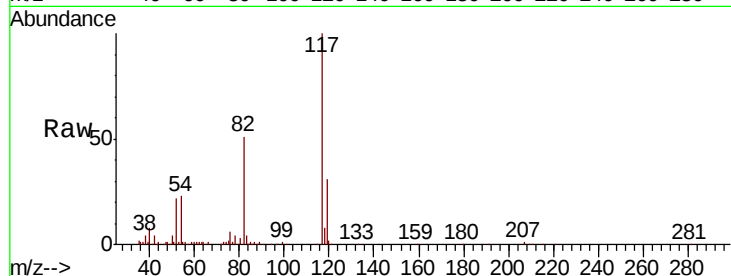




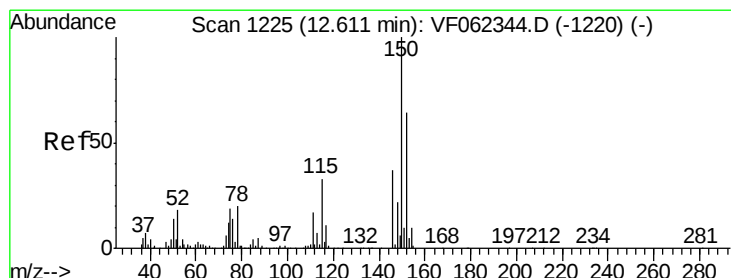
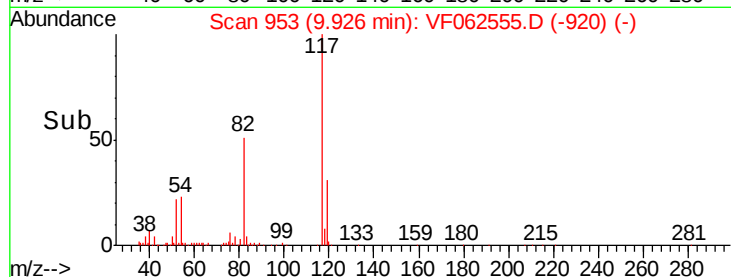
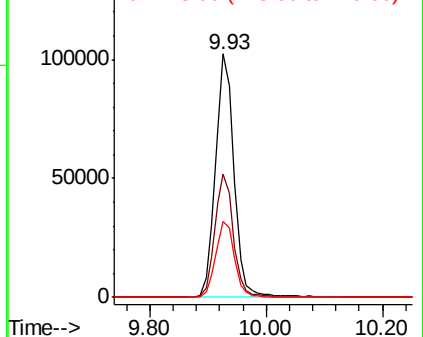
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.03 min
Lab File: VF062555.D
Acq: 13 May 2019 21:31

Instrument :
MSVOA_F
ClientSampleId :
P021-SS002-1218-01RE

Tot Ion:117 Resp: 227161
Ion Ratio Lower Upper
117 100
82 50.7 42.2 63.2
119 31.3 25.0 37.4

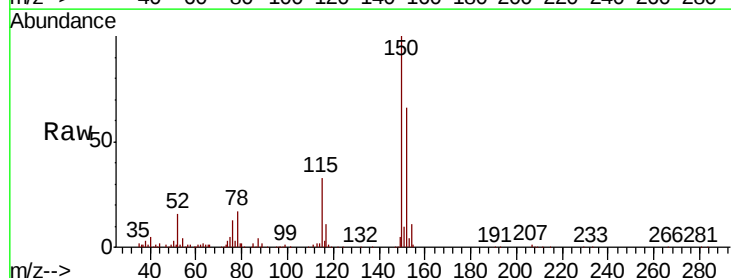


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.02 min
Lab File: VF062555.D
Acq: 13 May 2019 21:31

Tgt Ion:152 Resp: 85010
Ion Ratio Lower Upper
152 100
115 52.9 26.4 79.2
150 154.0 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

