

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
 Data File : VF062444.D
 Acq On : 11 May 2019 3:39
 Operator : FY/SY
 Sample : K2754-07
 Misc : 5.01µ/5mL/MSVOA F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 C-2

Quant Time: May 11 05:41:48 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

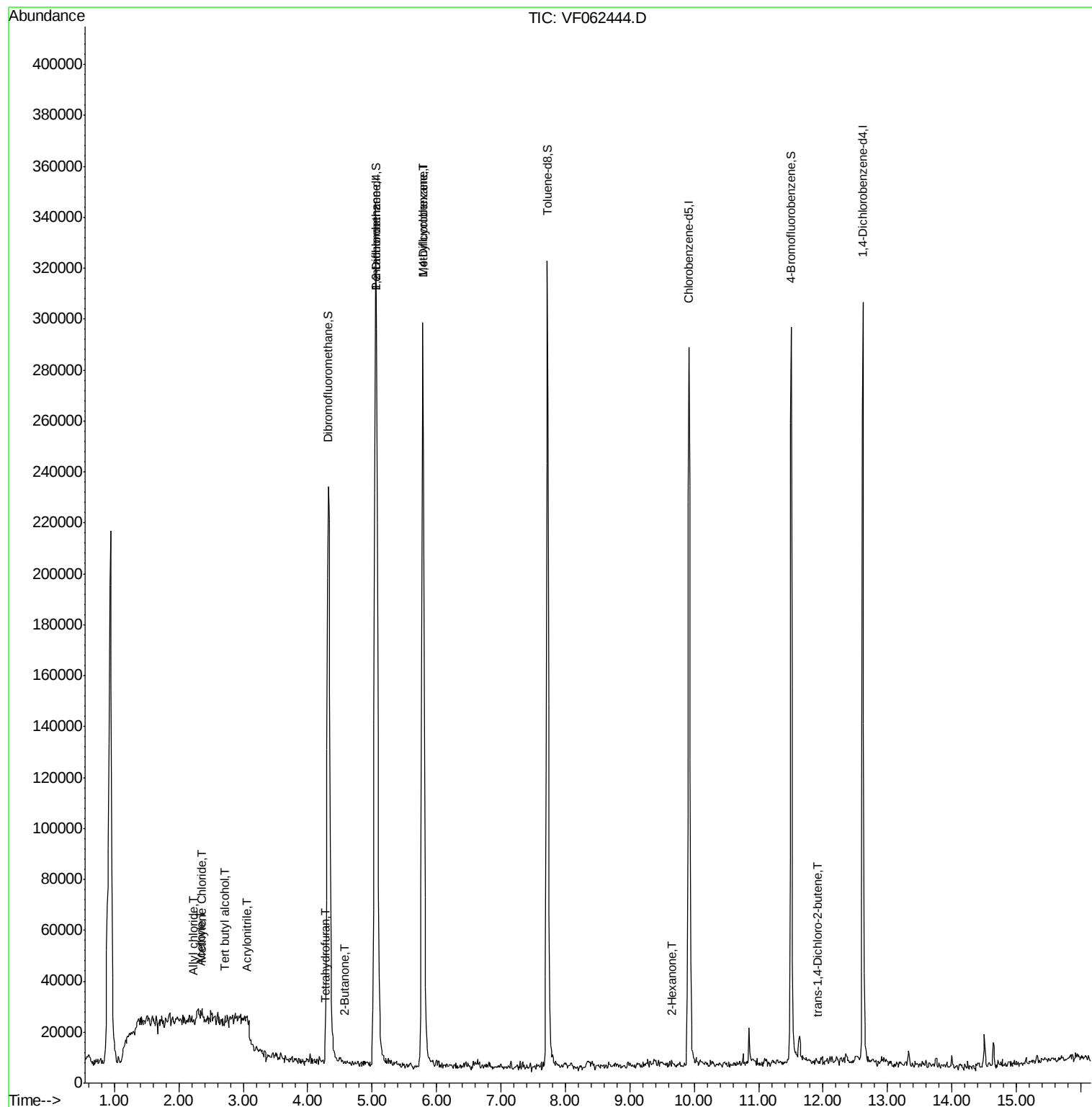
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	234535	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	321437	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	206653	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	79117	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	184296	83.15	ug/l	0.03
Spiked Amount 50.000			Recovery	=	166.30%	
35) Dibromofluoromethane	4.32	113	202744	79.17	ug/l	0.02
Spiked Amount 50.000			Recovery	=	158.34%	
50) Toluene-d8	7.72	98	255841	41.27	ug/l	0.02
Spiked Amount 50.000			Recovery	=	82.54%	
62) 4-Bromofluorobenzene	11.51	95	93565	33.46	ug/l	0.02
Spiked Amount 50.000			Recovery	=	66.92%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.44	94	770	Below Cal	#	40
11) Tert butyl alcohol	2.70	59	821	6.554 ug/l	#	2
13) Acrolein	2.12	56	808	Below Cal	#	83
14) Allyl chloride	2.23	41	1801	1.134 ug/l	#	5
15) Acrylonitrile	3.07	53	670	2.824 ug/l	#	45
16) Acetone	2.33	43	1238	2.761 ug/l		97
18) Methyl Acetate	2.45	43	1065	Below Cal	#	58
20) Methylene Chloride	2.36	84	2291	1.412 ug/l	#	46
25) 2-Butanone	4.57	43	865	1.536 ug/l	#	60
29) Tetrahydrofuran	4.26	42	480	1.854 ug/l	#	46
37) Ethyl Acetate	4.31	43	749	Below Cal	#	73
38) Carbon Tetrachloride	4.20	117	77	Below Cal	#	14
39) Methylcyclohexane	5.78	83	4935	1.782 ug/l	#	50
49) 1,4-Dioxane	6.83	88	71	Below Cal	#	1
59) 2-Hexanone	9.66	43	1442	2.191 ug/l		73
81) trans-1,4-Dichloro-2-buten	11.92	75	232	1.102 ug/l	#	5

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051019\
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MSVOA_F
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Quant Time: May 11 05:41:48 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: 5.07 min Scan# 460

Delta R.T. 0.02 min

Lab File: VF062444.D

Acq: 11 May 2019 3:39

Instrument :

MSVOA_F

ClientSampleId :

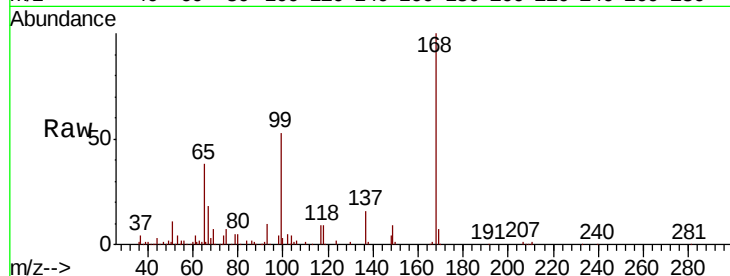
C-2

Tot Ion:168 Resp: 234535

Ion Ratio Lower Upper

168 100

99 53.1 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

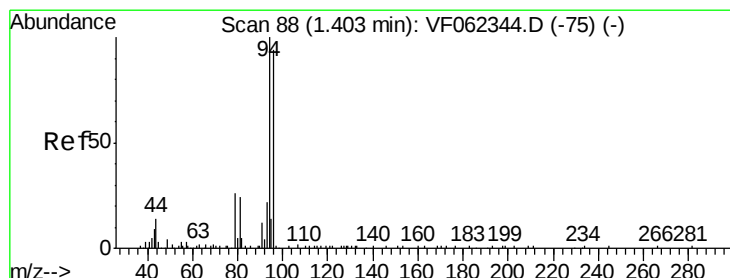
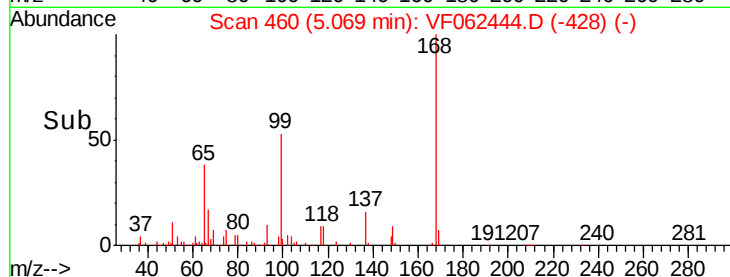
40000

20000

0

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: VF062444.D

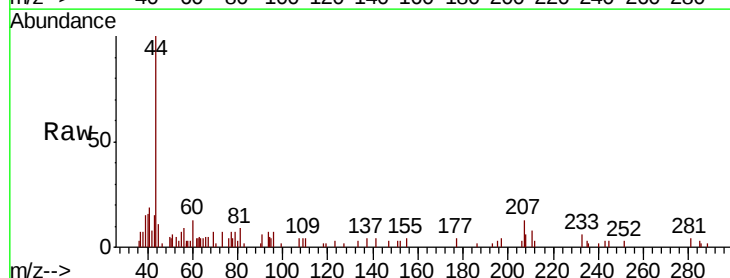
Acq: 11 May 2019 3:39

Tgt Ion: 94 Resp: 770

Ion Ratio Lower Upper

94 100

96 36.4 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

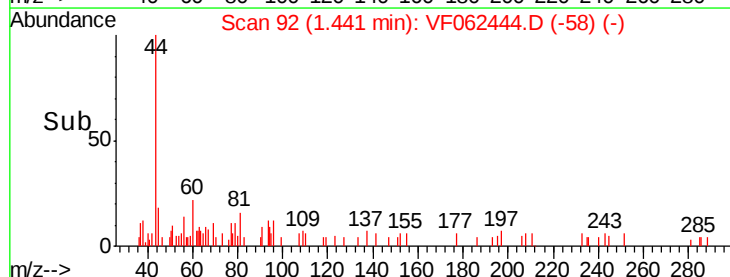
200

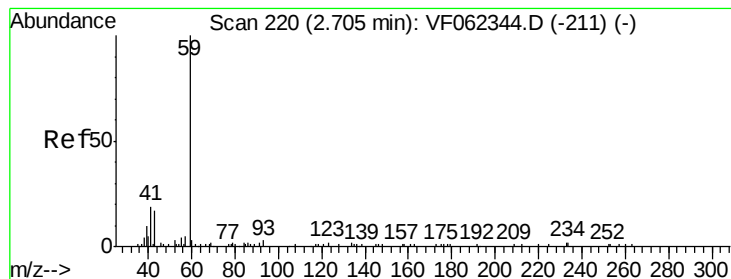
100

0

Time-->

1.42 1.44 1.46



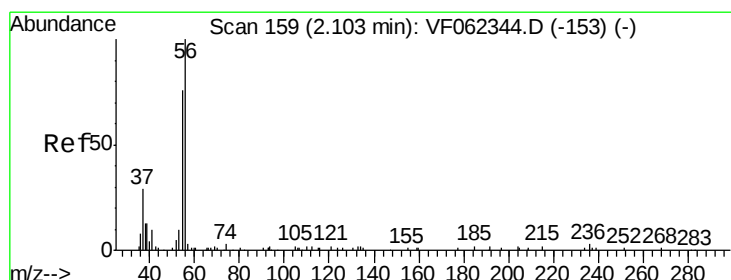
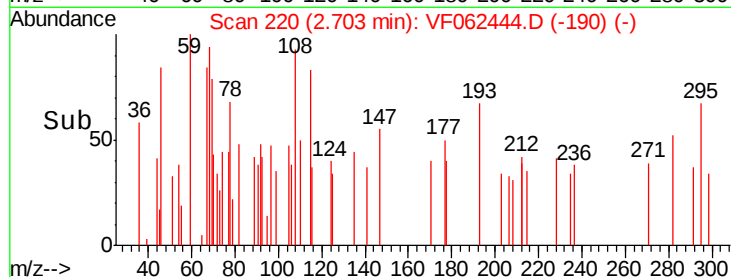
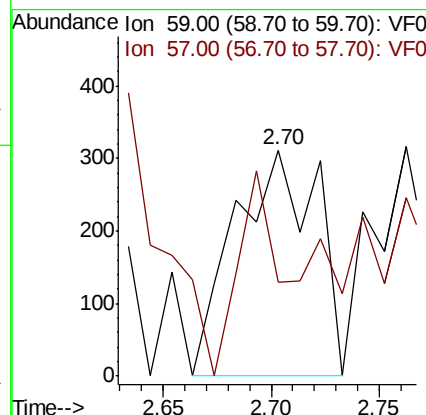
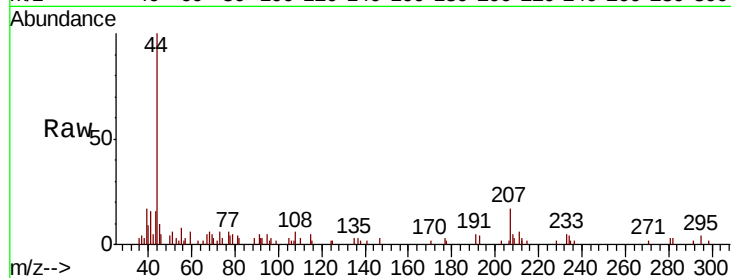


#11

Tert butyl alcohol
 Concen: 6.554 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VF062444.D
 Acq: 11 May 2019 3:39

Instrument :
 MSVOA_F
 ClientSampled :
 C-2

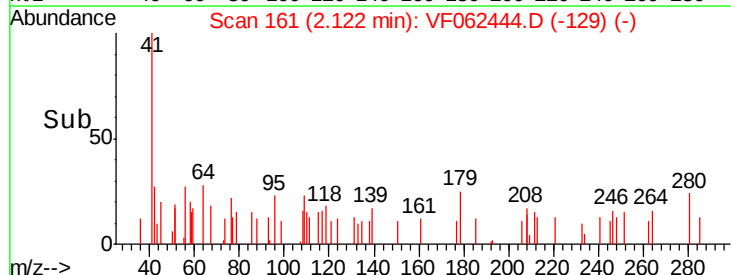
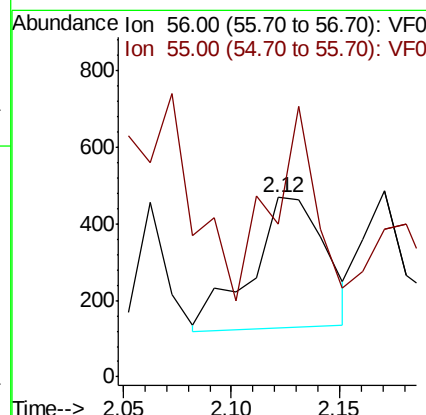
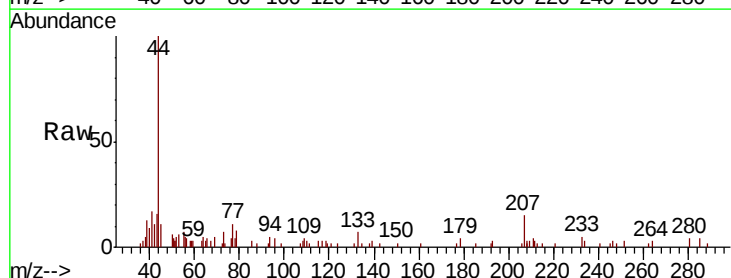
Tot Ion: 59 Resp: 821
 Ion Ratio Lower Upper
 59 100
 57 49.3 9.3 13.9#

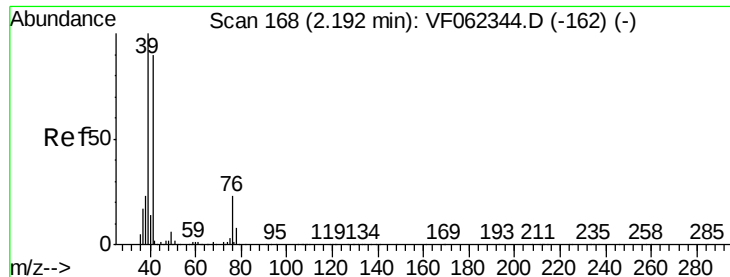


#13

Acrolein
 Concen: Below Cal
 RT: 2.12 min Scan# 161
 Delta R.T. 0.02 min
 Lab File: VF062444.D
 Acq: 11 May 2019 3:39

Tgt Ion: 56 Resp: 808
 Ion Ratio Lower Upper
 56 100
 55 87.6 58.4 87.6#

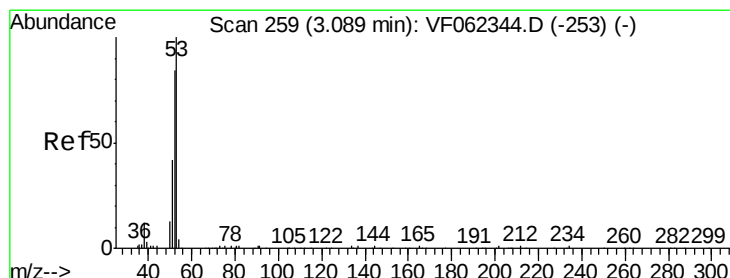
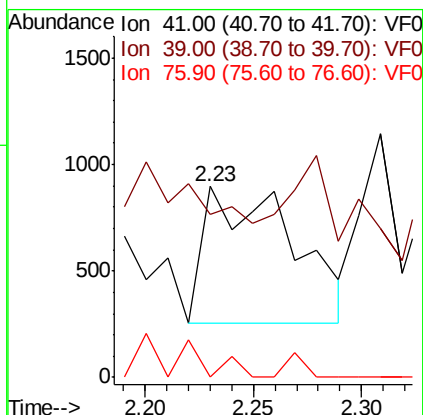
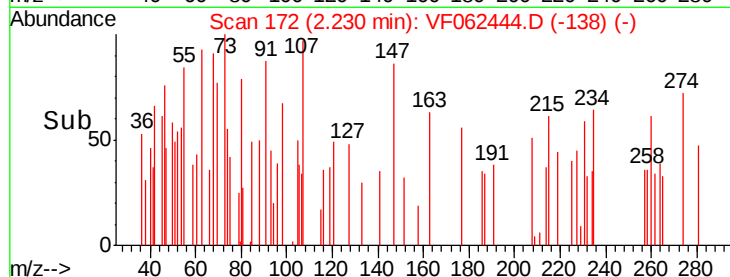
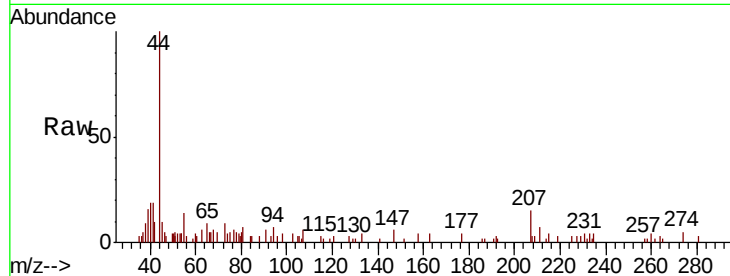




#14
Allvl chloride
Concen: 1.134 ug/l
RT: 2.23 min Scan# 172
Delta R.T. 0.04 min
Lab File: VF062444.D
Acq: 11 May 2019 3:39

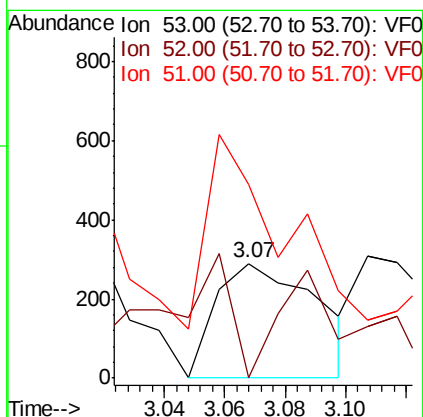
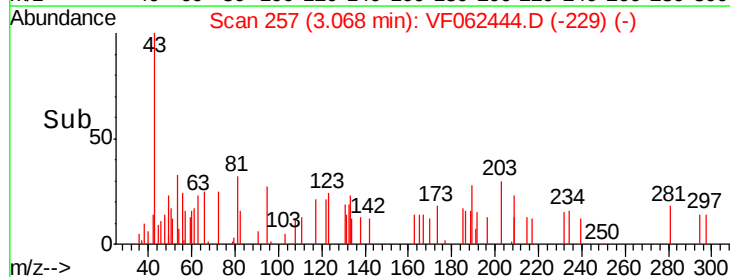
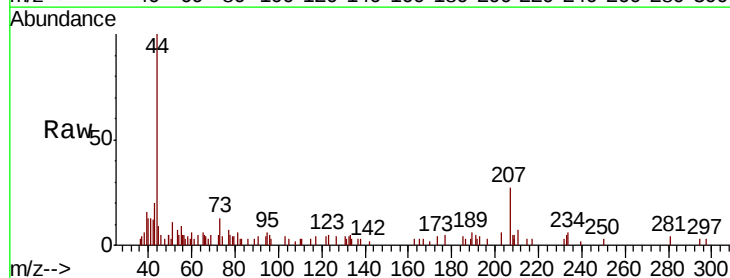
Instrument :
MSVOA_F
ClientSampled :
C-2

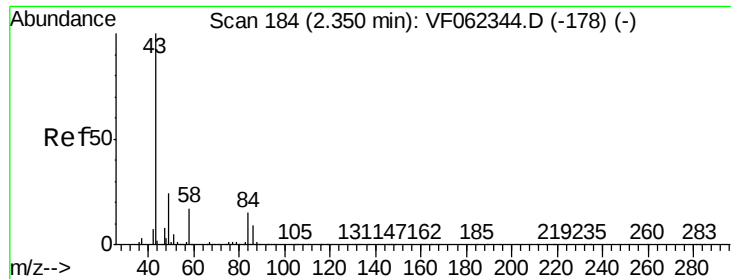
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	90.8	136.2#
76	0.0	22.2	33.4#



#15
Acrylonitrile
Concen: 2.824 ug/l
RT: 3.07 min Scan# 257
Delta R.T. -0.02 min
Lab File: VF062444.D
Acq: 11 May 2019 3:39

Tgt Ion	Ratio	Lower	Upper
53	100		
52	71.8	77.2	115.8#
51	127.8	40.6	61.0#

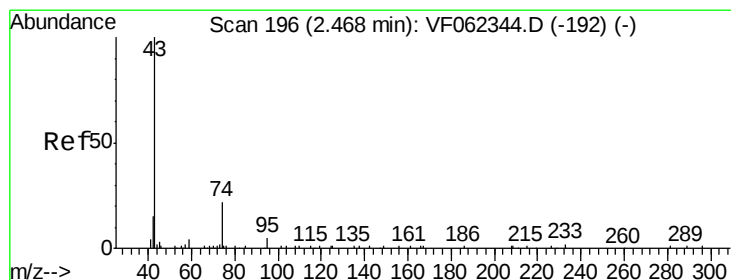
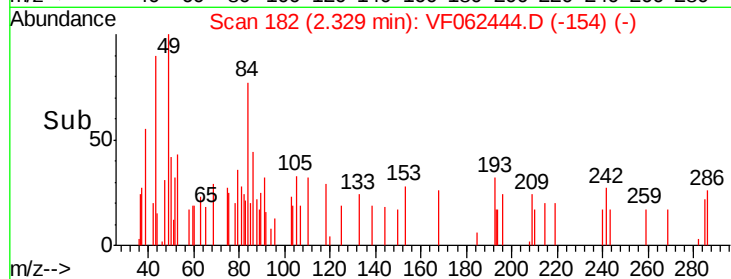
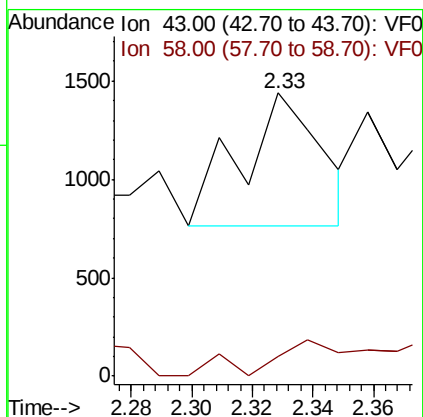
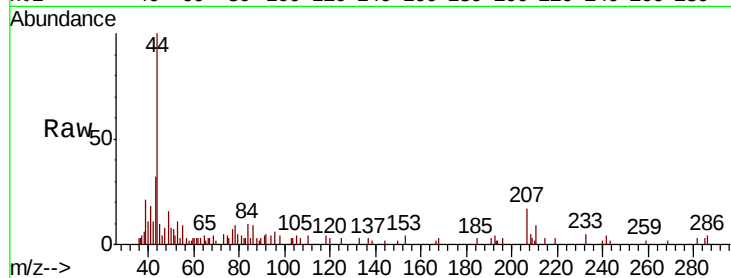




#16
Acetone
Concen: 2.761 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.02 min
Lab File: VF062444.D
Acq: 11 May 2019 3:39

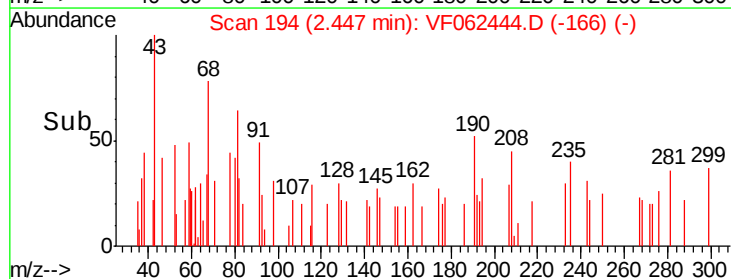
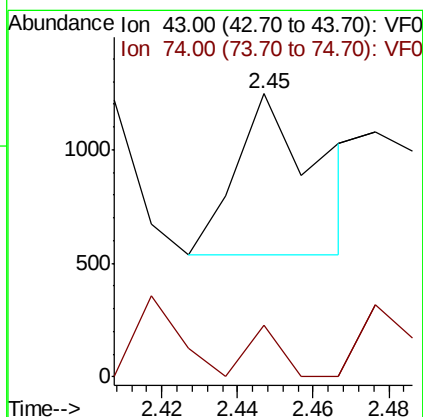
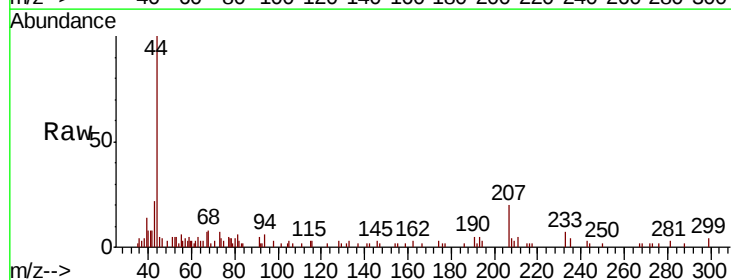
Instrument :
MSVOA_F
ClientSampleId :
C-2

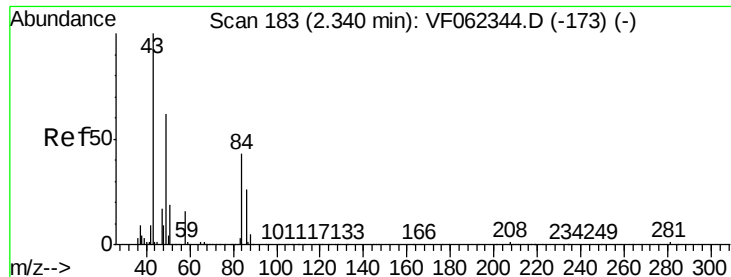
Tot Ion: 43 Resp: 1238
Ion Ratio Lower Upper
43 100
58 15.0 13.1 19.7



#18
Methyl Acetate
Concen: Below Cal
RT: 2.45 min Scan# 194
Delta R.T. -0.02 min
Lab File: VF062444.D
Acq: 11 May 2019 3:39

Tgt Ion: 43 Resp: 1065
Ion Ratio Lower Upper
43 100
74 0.0 15.0 22.4#

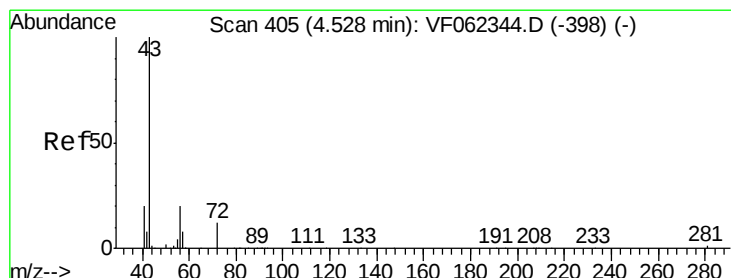
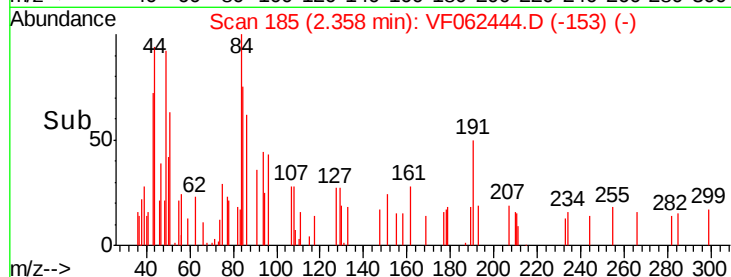
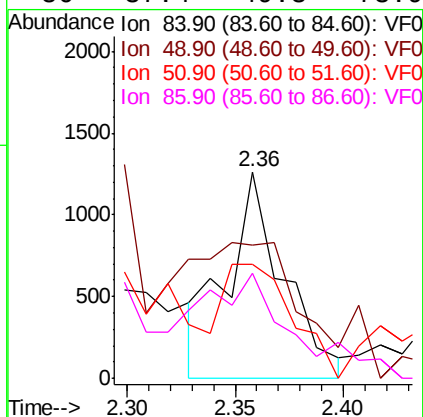
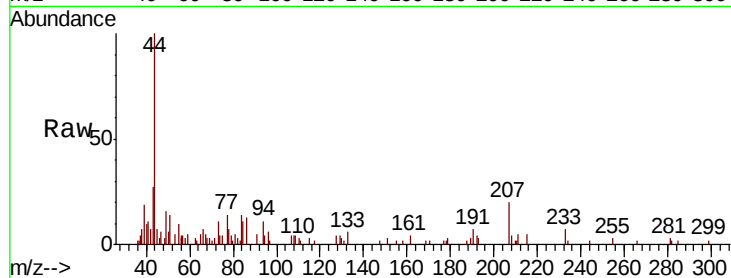




#20
Methvlene Chloride
Concen: 1.412 ug/l
RT: 2.36 min Scan# 185
Delta R.T. 0.02 min
Lab File: VF062444.D
Acq: 11 May 2019 3:39

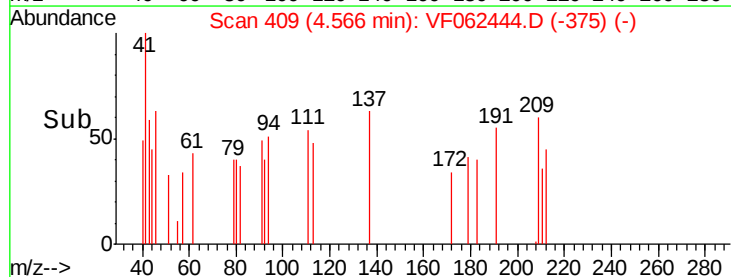
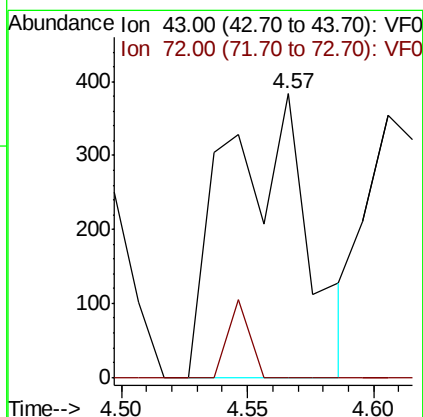
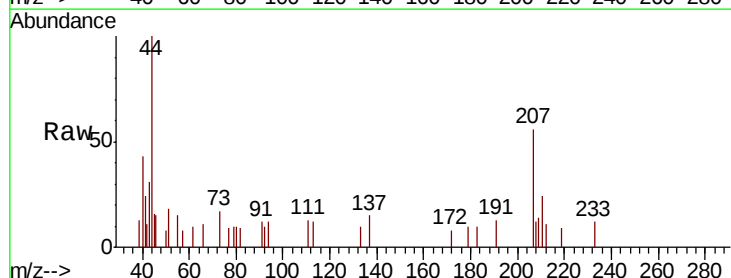
Instrument :
MSVOA_F
ClientSampleId :
C-2

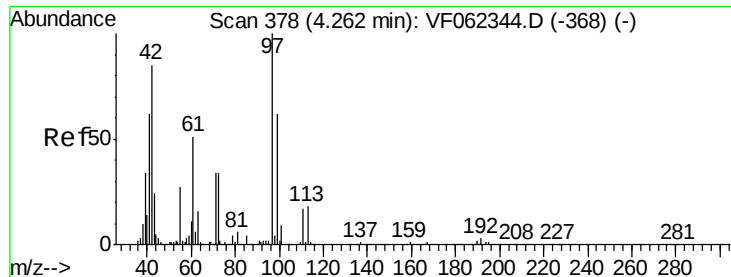
Tot Ion:	84	Resp:	2291
Ion	Ratio	Lower	Upper
84	100		
49	55.1	117.5	176.3#
51	61.1	37.0	55.4#
86	37.4	49.3	73.9#



#25
2-Butanone
Concen: 1.536 ug/l
RT: 4.57 min Scan# 409
Delta R.T. 0.04 min
Lab File: VF062444.D
Acq: 11 May 2019 3:39

Tgt Ion:	43	Resp:	865
Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.2	21.4#





#29

Tetrahydrofuran

Concen: 1.854 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.00 min

Lab File: VF062444.D

Acq: 11 May 2019 3:39

Instrument :

MSVOA_F

ClientSampleId :

C-2

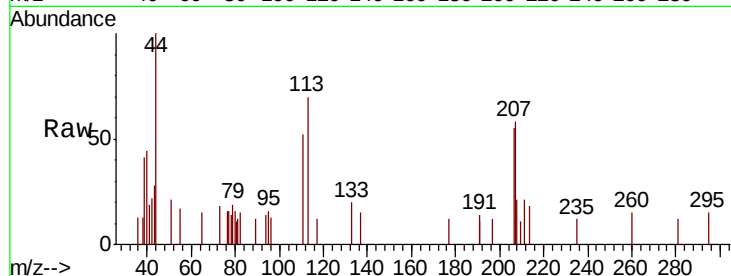
Tot Ion: 42 Resp: 480

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

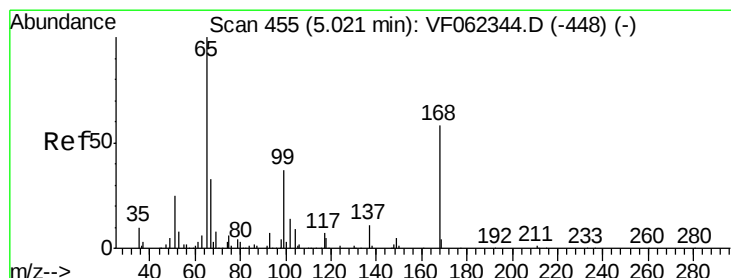
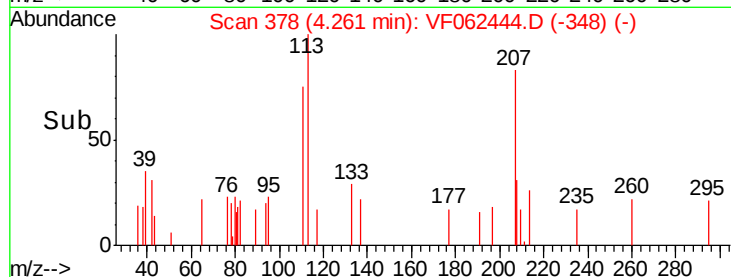
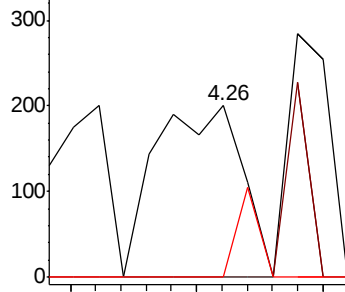
71 12.9 31.7 47.5#



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: 83.149 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.03 min

Lab File: VF062444.D

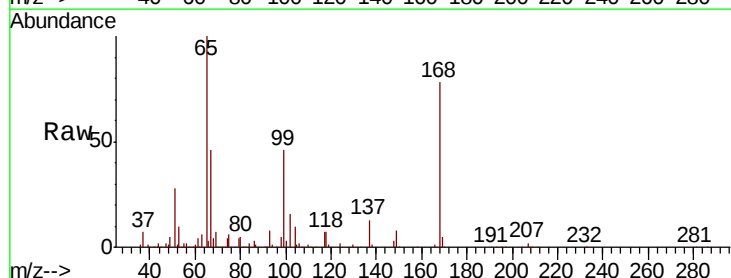
Acq: 11 May 2019 3:39

Tgt Ion: 65 Resp: 184296

Ion Ratio Lower Upper

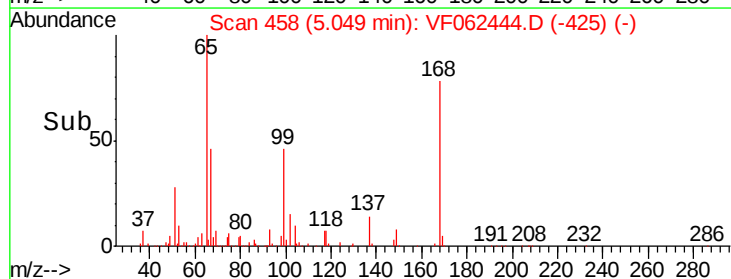
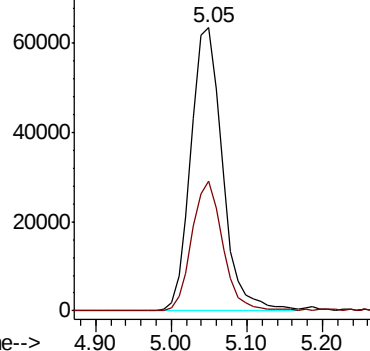
65 100

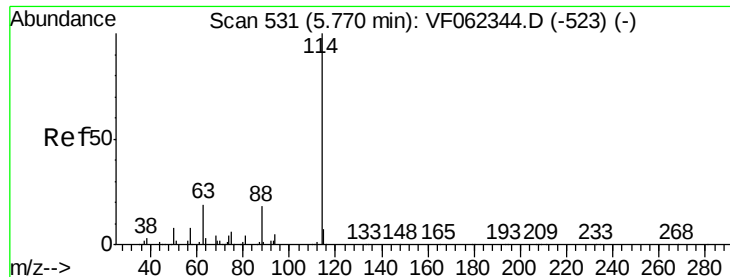
67 44.9 0.0 85.8



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: 5.79 min Scan# 533

Delta R.T. 0.02 min

Lab File: VF062444.D

Acq: 11 May 2019 3:39

Instrument :

MSVOA_F

ClientSampleId :

C-2

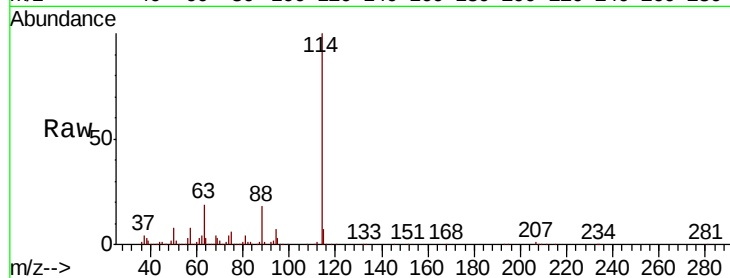
Tot Ion:114 Resp: 321437

Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.4

88 17.6 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

150000

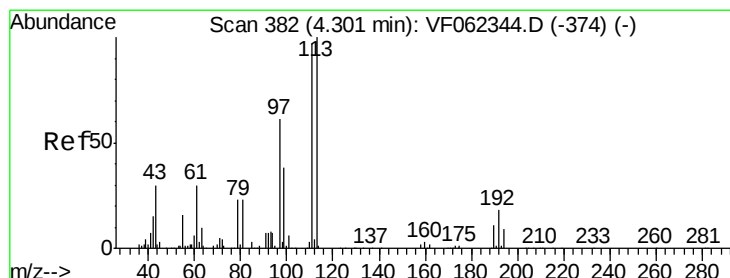
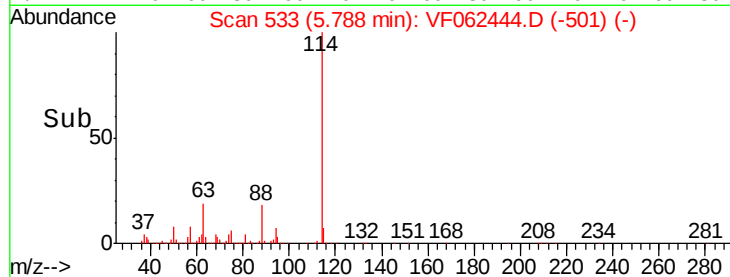
5.79

100000

50000

0

Time-->



#35

Dibromofluoromethane

Concen: 79.171 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.02 min

Lab File: VF062444.D

Acq: 11 May 2019 3:39

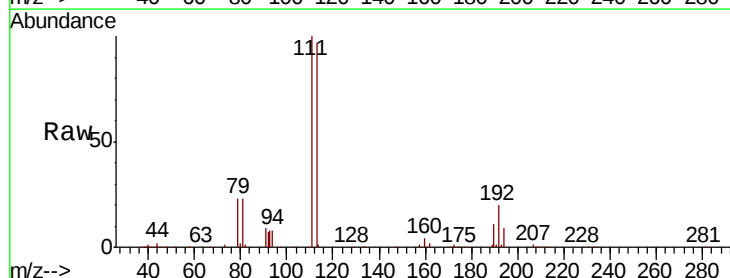
Tgt Ion:113 Resp: 202744

Ion Ratio Lower Upper

113 100

111 103.9 79.4 119.0

192 20.0 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

80000

4.32

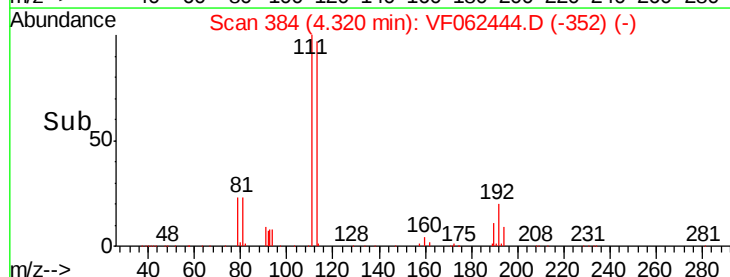
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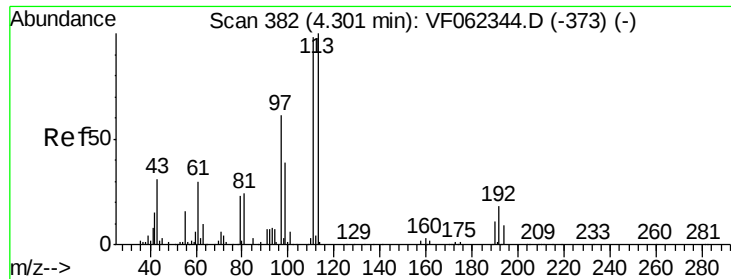
40000

20000

0

Time-->

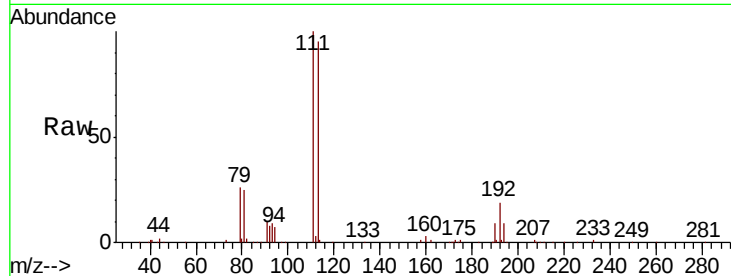




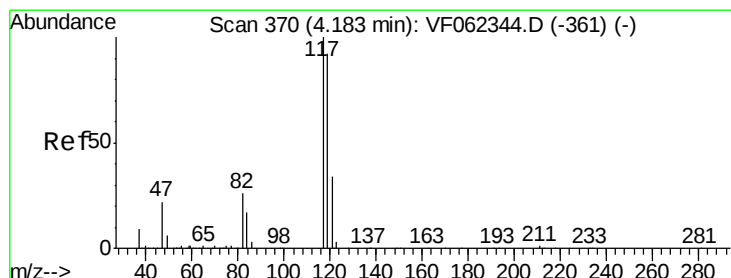
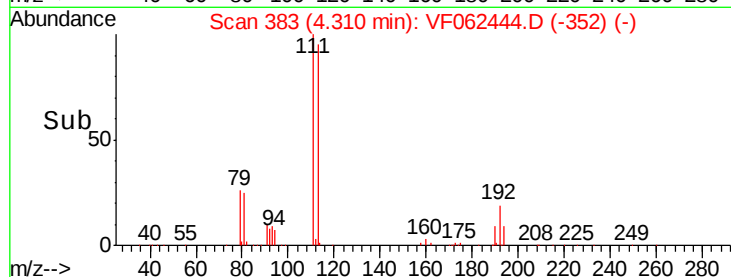
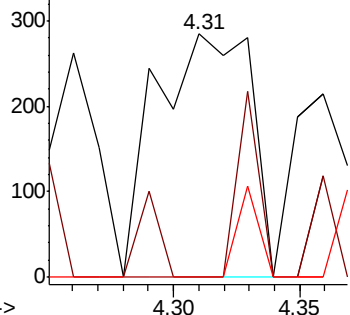
#37
Ethyl Acetate
Concen: Below Cal
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062444.D
Acq: 11 May 2019 3:39

Instrument :
MSVOA_F
ClientSampleId :
C-2

Tot Ion: 43 Resp: 749
Ion Ratio Lower Upper
43 100
61 8.0 0.0 0.0#
70 0.0 8.2 12.2#

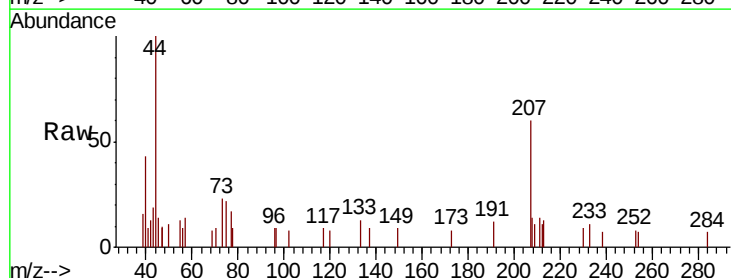


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 70.00 (69.70 to 70.70): VF0

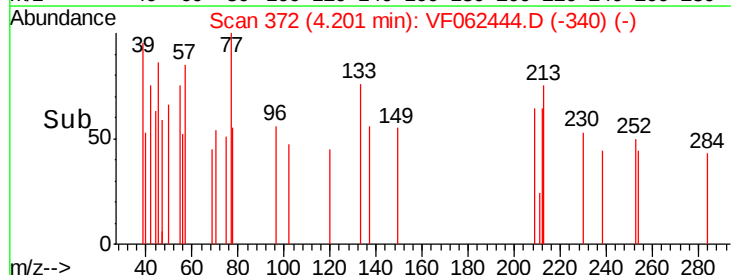
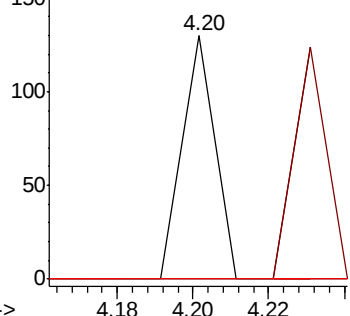


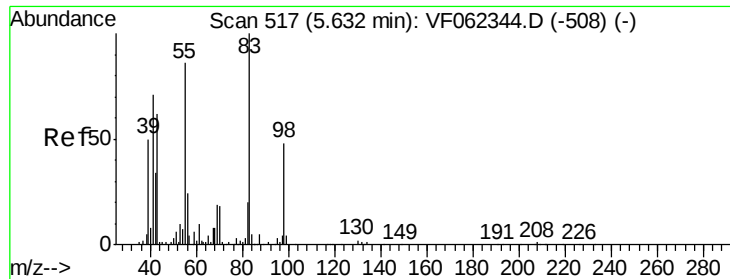
#38
Carbon Tetrachloride
Concen: Below Cal
RT: 4.20 min Scan# 372
Delta R.T. 0.02 min
Lab File: VF062444.D
Acq: 11 May 2019 3:39

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#



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

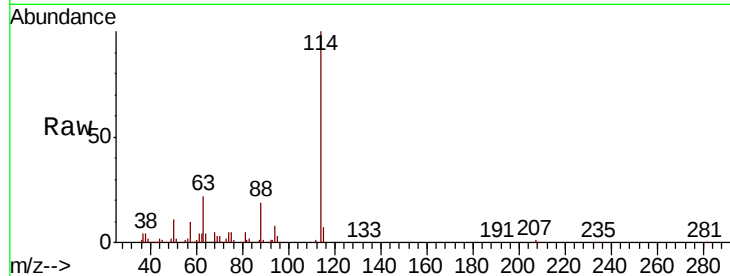




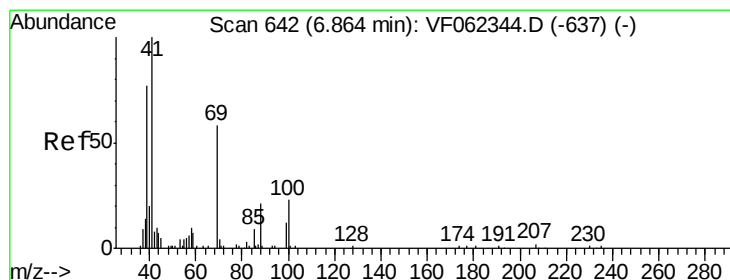
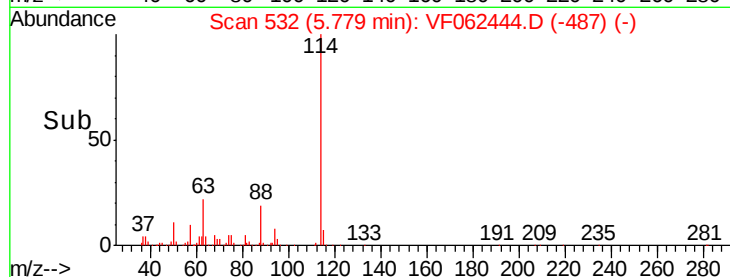
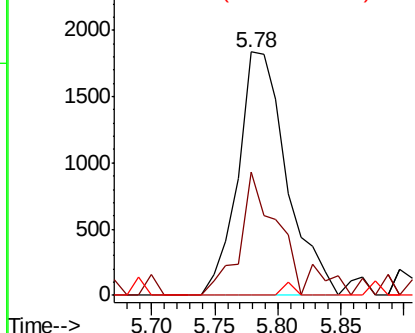
#39
Methylcyclohexane
Concen: 1.782 ug/l
RT: 5.78 min Scan# 532
Delta R.T. 0.15 min
Lab File: VF062444.D
Acq: 11 May 2019 3:39

Instrument :
MSVOA_F
ClientSampled :
C-2

Tot Ion	83	Resp	4935
Ion Ratio	100	Lower	Upper
55	50.7	69.0	103.6#
98	0.0	38.6	58.0#

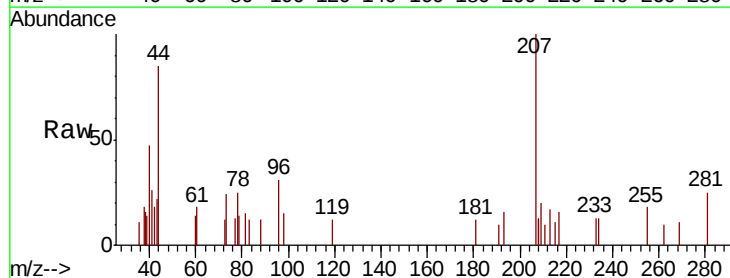


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

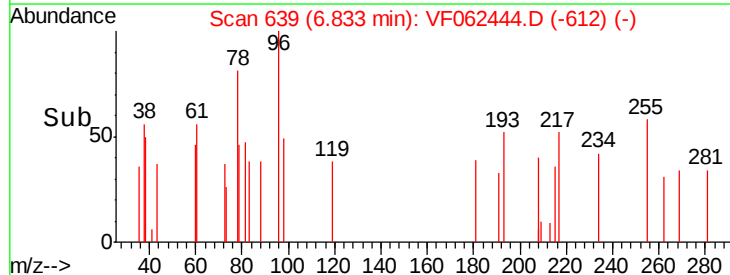
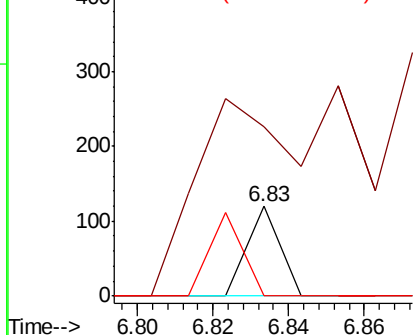


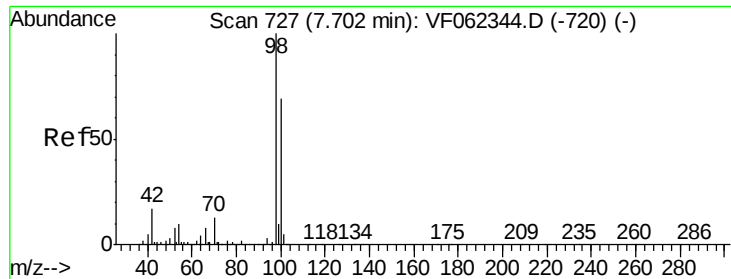
#49
1,4-Dioxane
Concen: Below Cal
RT: 6.83 min Scan# 639
Delta R.T. -0.03 min
Lab File: VF062444.D
Acq: 11 May 2019 3:39

Tgt Ion	88	Resp	71
Ion Ratio	100	Lower	Upper
43	667.6	55.6	83.4#
58	93.0	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

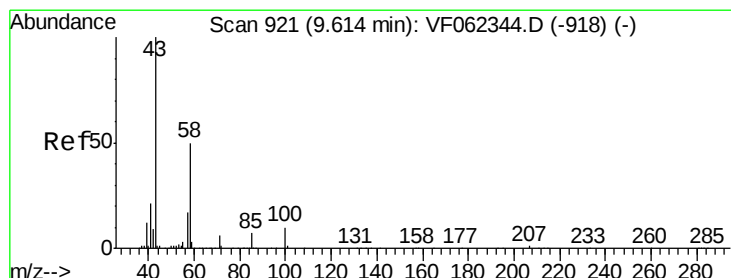
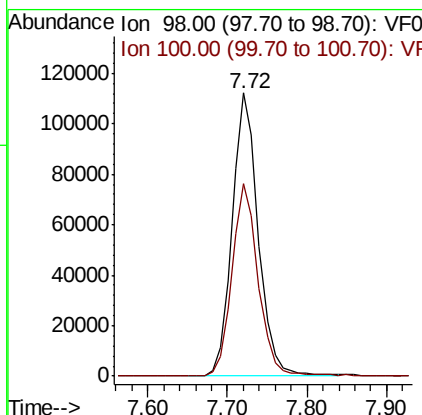
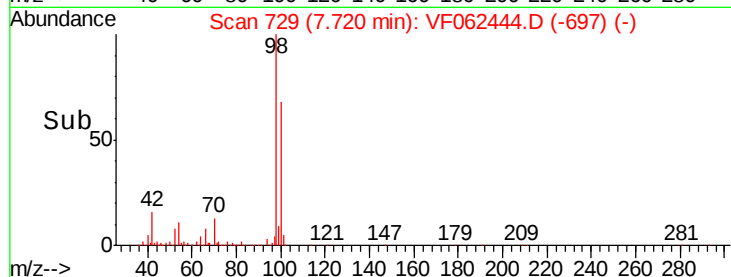
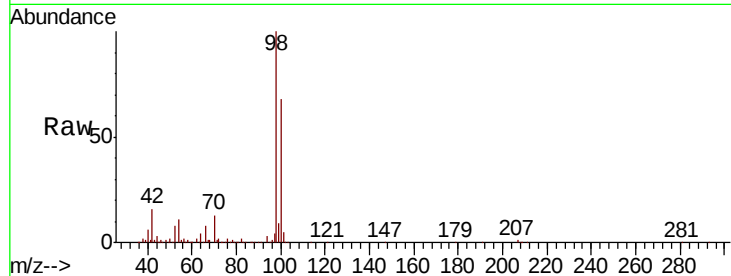




#50
Toluene-d8
Concen: 41.272 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.02 min
Lab File: VF062444.D
Acq: 11 May 2019 3:39

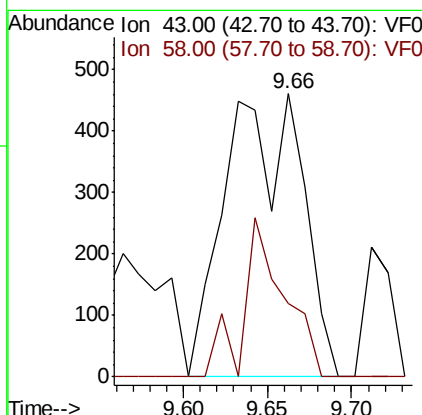
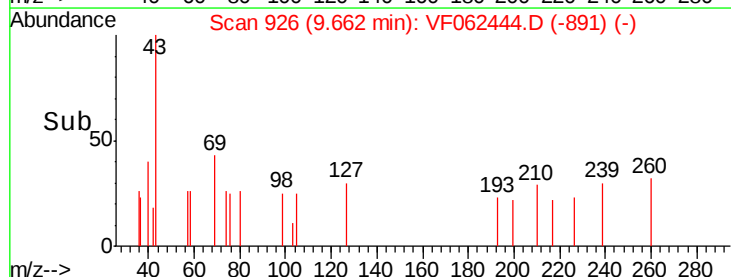
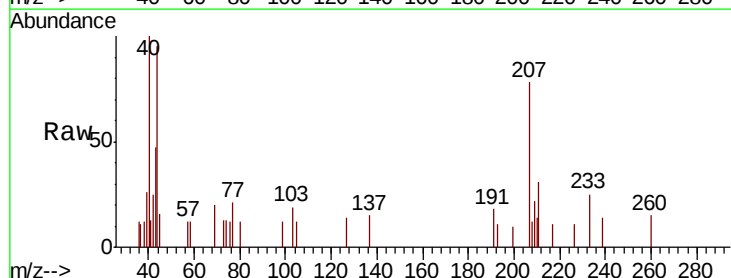
Instrument :
MSVOA_F
ClientSampleId :
C-2

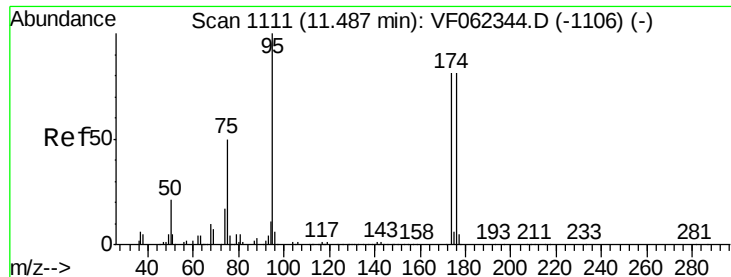
Tot Ion: 98 Resp: 255841
Ion Ratio Lower Upper
98 100
100 68.6 53.3 79.9



#59
2-Hexanone
Concen: 2.191 ug/l
RT: 9.66 min Scan# 926
Delta R.T. 0.05 min
Lab File: VF062444.D
Acq: 11 May 2019 3:39

Tgt Ion: 43 Resp: 1442
Ion Ratio Lower Upper
43 100
58 30.4 24.3 73.0





#62

4-Bromofluorobenzene

Concen: 33.455 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF062444.D

Acq: 11 May 2019 3:39

Instrument :

MSVOA_F

ClientSampleId :

C-2

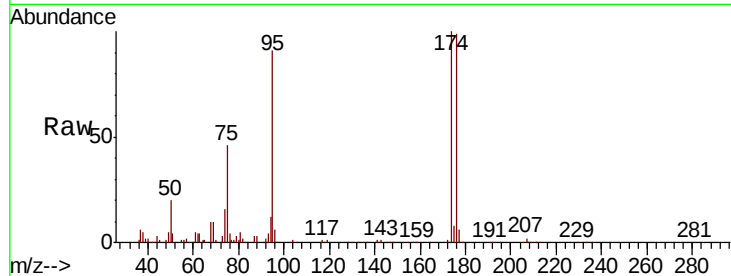
Tot Ion: 95 Resp: 93565

Ion Ratio Lower Upper

95 100

174 101.6 0.0 191.8

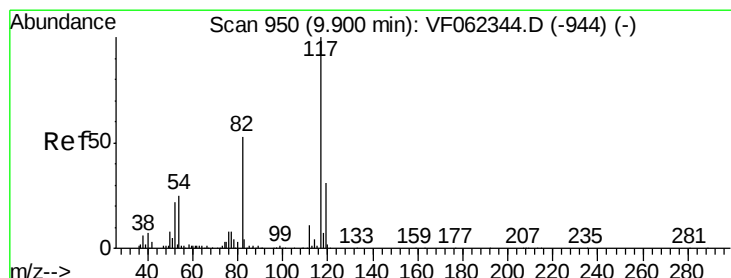
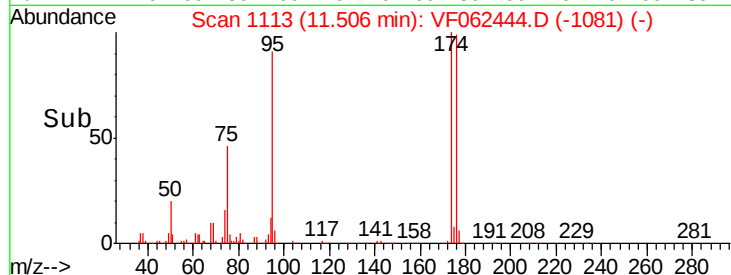
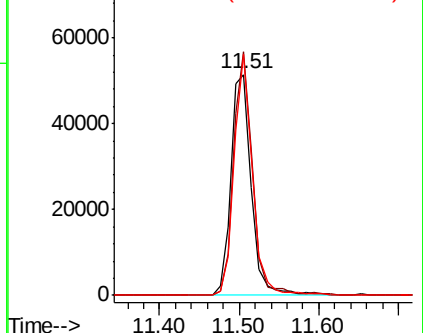
176 98.0 0.0 193.2



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: 9.92 min Scan# 952

Delta R.T. 0.02 min

Lab File: VF062444.D

Acq: 11 May 2019 3:39

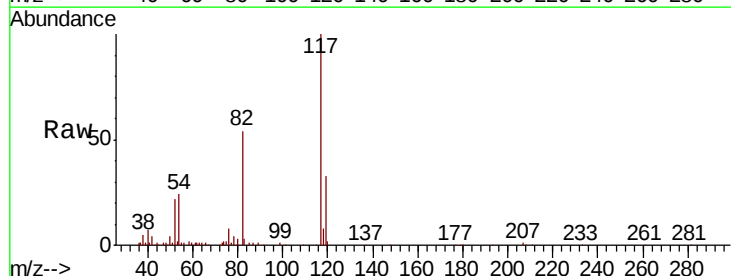
Tgt Ion: 117 Resp: 206653

Ion Ratio Lower Upper

117 100

82 54.3 42.2 63.2

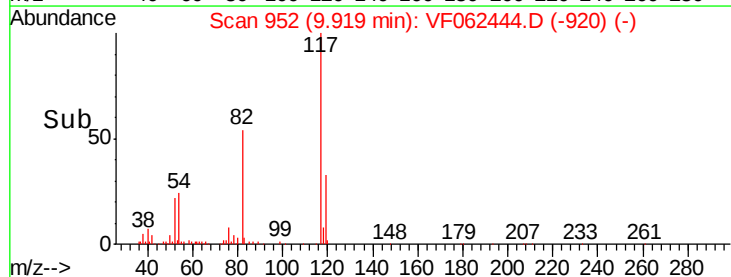
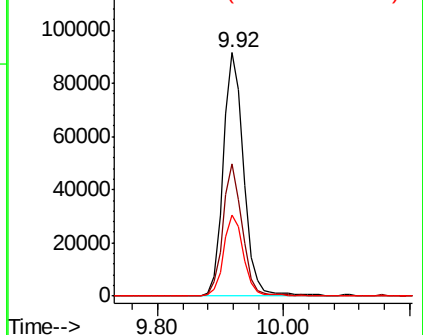
119 33.1 25.0 37.4

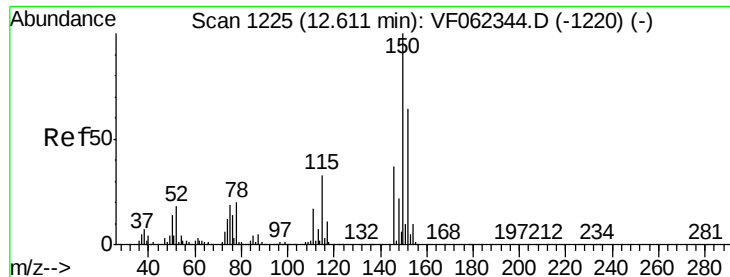


Abundance Ion 116.90 (116.60 to 117.60): VF0

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: 12.62 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VF062444.D

Acq: 11 May 2019 3:39

Instrument :

MSVOA_F

ClientSampled :

C-2

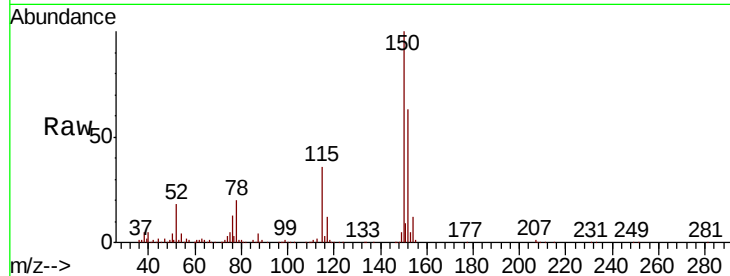
Tot Ion:152 Resp: 79117

Ion Ratio Lower Upper

152 100

115 59.1 26.4 79.2

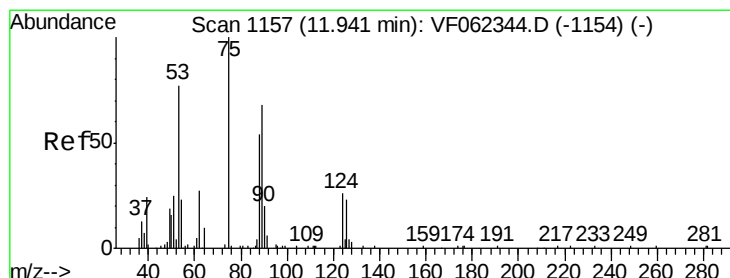
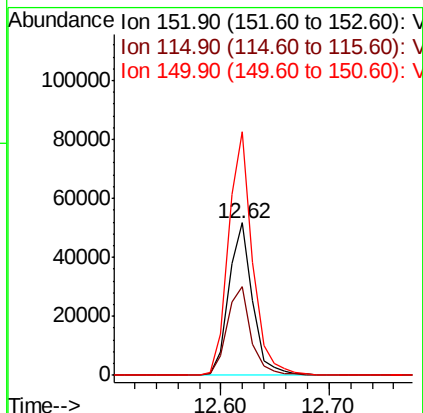
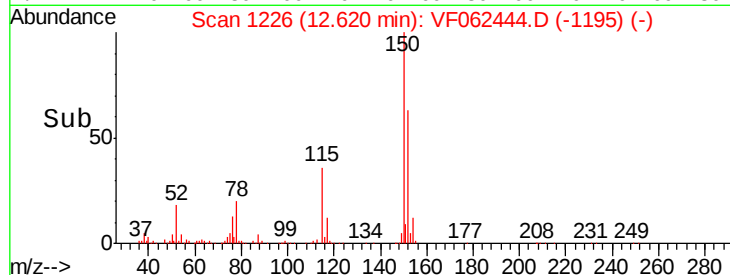
150 160.8 0.0 335.0



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



#81

trans-1,4-Dichloro-2-butene

Concen: 1.102 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.02 min

Lab File: VF062444.D

Acq: 11 May 2019 3:39

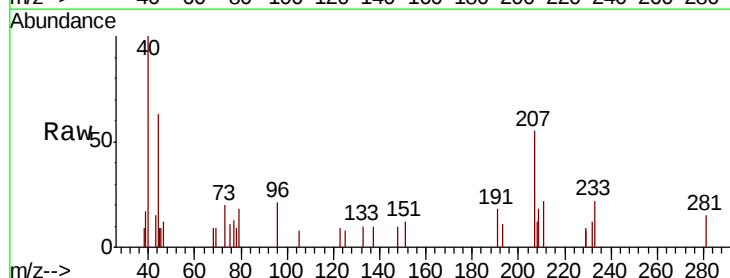
Tgt Ion: 75 Resp: 232

Ion Ratio Lower Upper

75 100

53 0.0 71.9 107.9#

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0

