

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
 Data File : VF062442.D
 Acq On : 11 May 2019 2:44
 Operator : FY/SY
 Sample : K2754-03
 Misc : 6.64g/5mL/MSVOA F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-3

Quant Time: May 11 05:41:12 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	5.06	168	251926	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	366199	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	251377	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	115877	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	182101	76.49	ug/l	0.02
Spiked Amount 50.000			Recovery	=	152.98%	
35) Dibromofluoromethane	4.31	113	203681	69.81	ug/l	0.01
Spiked Amount 50.000			Recovery	=	139.62%	
50) Toluene-d8	7.71	98	296920	42.04	ug/l	0.01
Spiked Amount 50.000			Recovery	=	84.08%	
62) 4-Bromofluorobenzene	11.50	95	123399	38.73	ug/l	0.01
Spiked Amount 50.000			Recovery	=	77.46%	

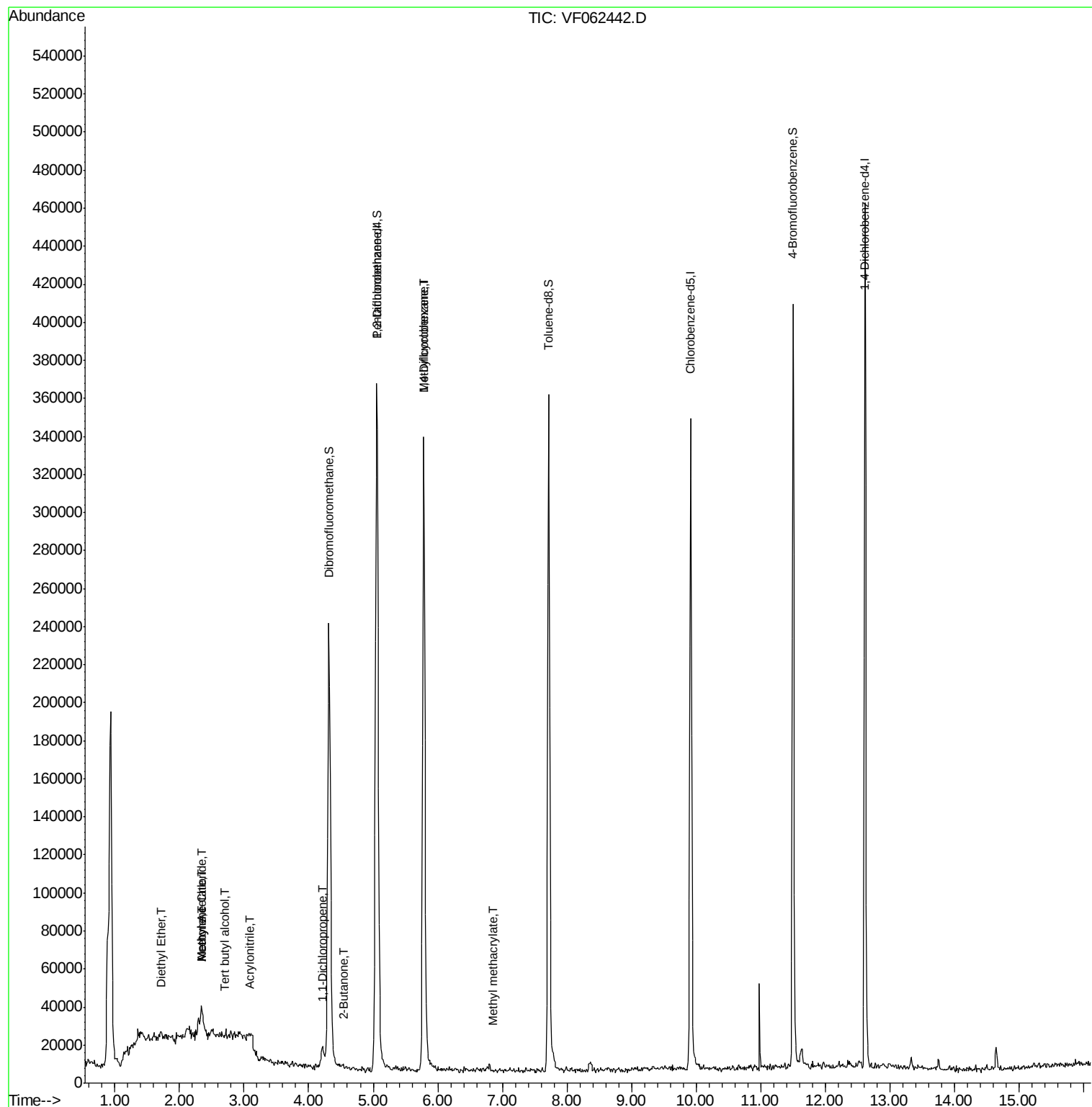
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.40	94	508	Below Cal	#	3
8) Diethyl Ether	1.71	74	1127	1.872	ug/l	88
11) Tert butyl alcohol	2.70	59	795	5.908	ug/l #	1
13) Acrolein	2.10	56	654	Below Cal	#	46
15) Acrylonitrile	3.07	53	494	1.938	ug/l #	39
16) Acetone	2.35	43	18504	38.420	ug/l	99
18) Methyl Acetate	2.35	43	18504	19.134	ug/l #	64
20) Methylene Chloride	2.34	84	6935	3.980	ug/l #	80
25) 2-Butanone	4.54	43	760	1.256	ug/l #	60
36) 1,1-Dichloropropene	4.21	75	17553	5.580	ug/l #	42
37) Ethyl Acetate	4.32	43	609	Below Cal	#	73
38) Carbon Tetrachloride	4.23	117	60	Below Cal	#	14
39) Methylcyclohexane	5.79	83	5675	1.799	ug/l #	37
48) Methyl methacrylate	6.87	41	1131	1.119	ug/l #	17
49) 1,4-Dioxane	6.92	88	74	Below Cal	#	16

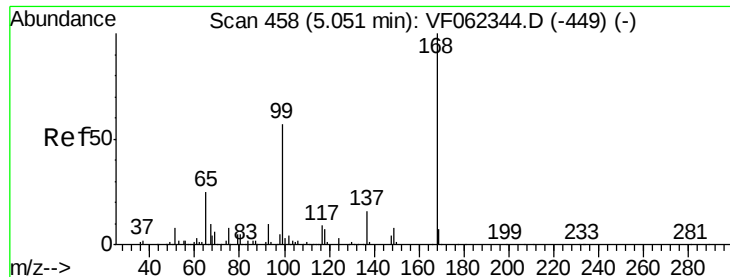
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF062442.D

Acq: 11 May 2019 2:44

Instrument :

MSVOA_F

ClientSampleId :

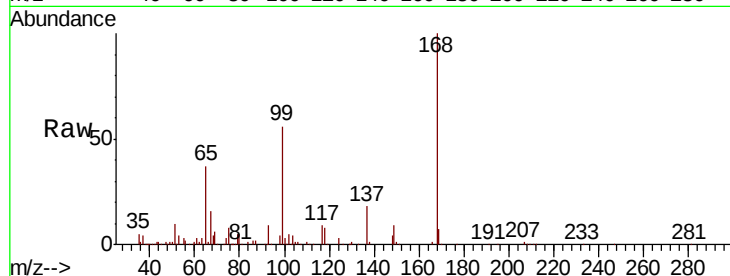
TP-3

Tot Ion:168 Resp: 251926

Ion Ratio Lower Upper

168 100

99 56.3 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

80000

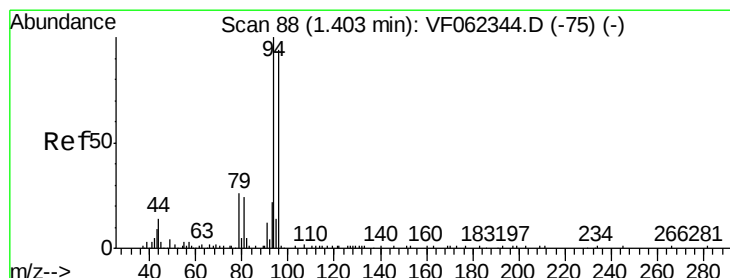
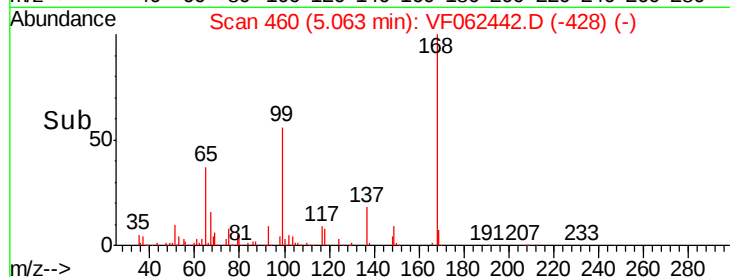
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062442.D

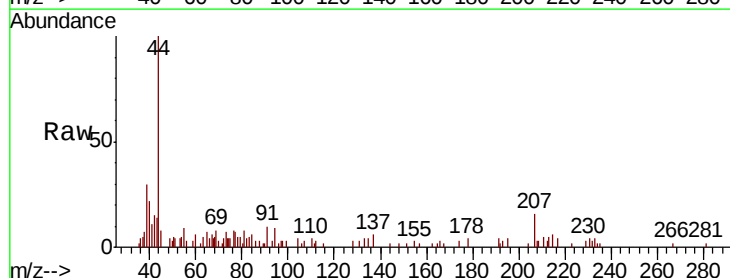
Acq: 11 May 2019 2:44

Tgt Ion: 94 Resp: 508

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

500

400

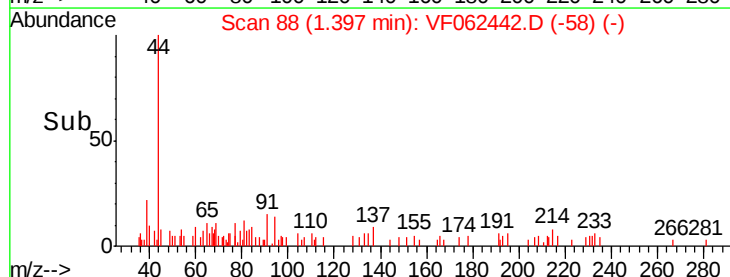
300

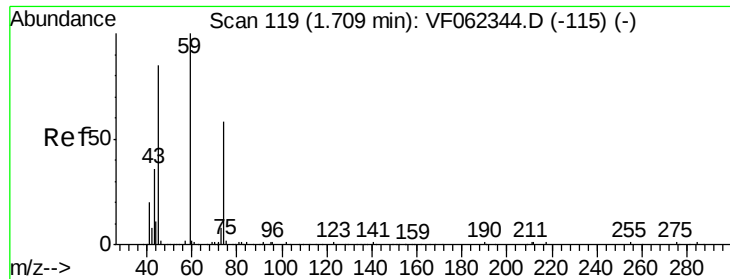
200

100

0

Time-->





#8

Diethyl Ether

Concen: 1.872 ug/l

RT: 1.71 min Scan# 120

Delta R.T. 0.00 min

Lab File: VF062442.D

Acq: 11 May 2019 2:44

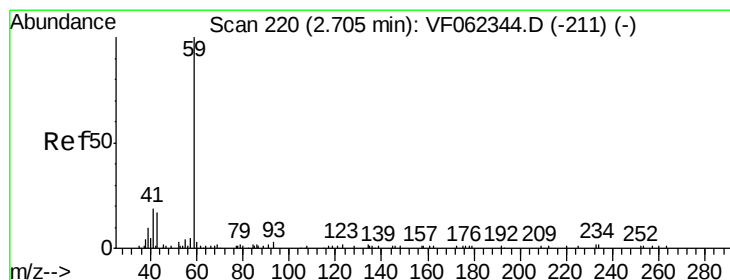
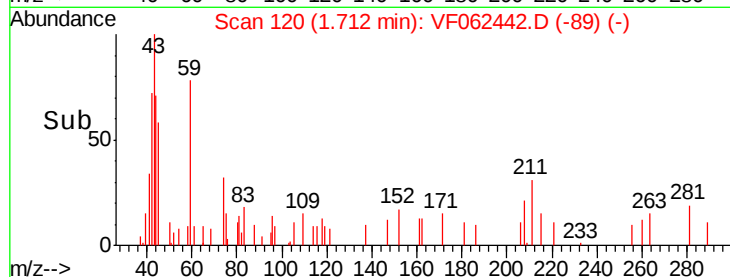
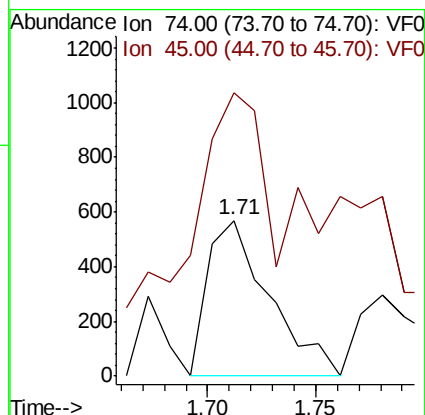
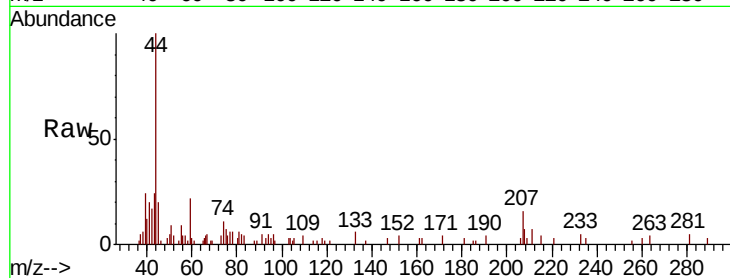
Instrument :
MSVOA_F
ClientSampled :
TP-3

Tot Ion: 74 Resp: 1127

Ion Ratio Lower Upper

74 100

45 132.7 73.9 221.6



#11

Tert butyl alcohol

Concen: 5.908 ug/l

RT: 2.70 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF062442.D

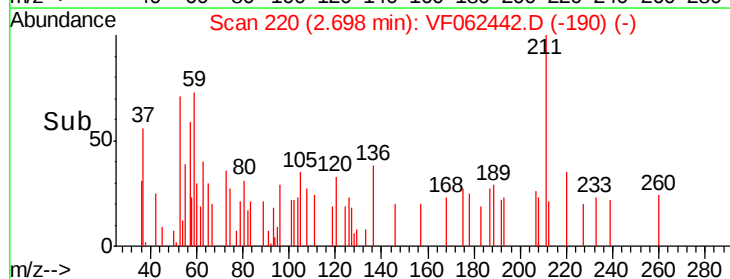
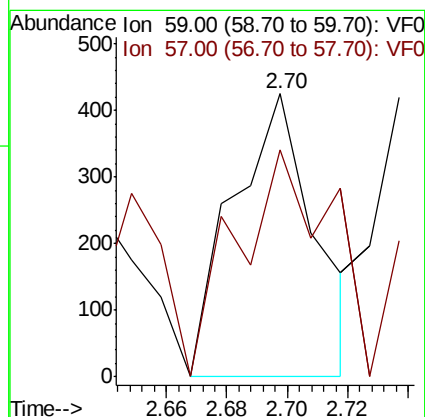
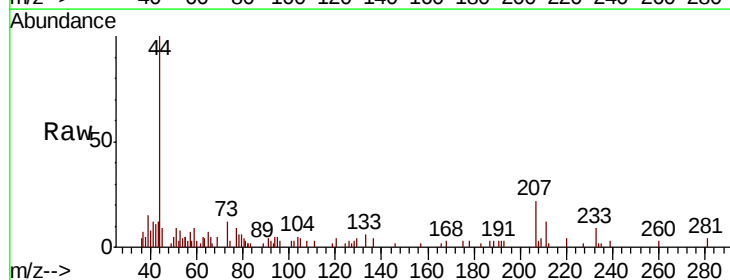
Acq: 11 May 2019 2:44

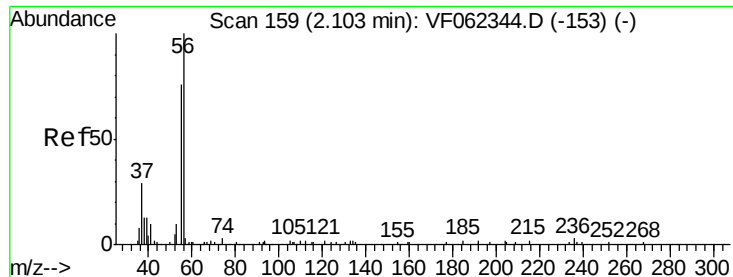
Tgt Ion: 59 Resp: 795

Ion Ratio Lower Upper

59 100

57 92.5 9.3 13.9#





#13

Acrolein

Concen: Below Cal

RT: 2.10 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062442.D

Acq: 11 May 2019 2:44

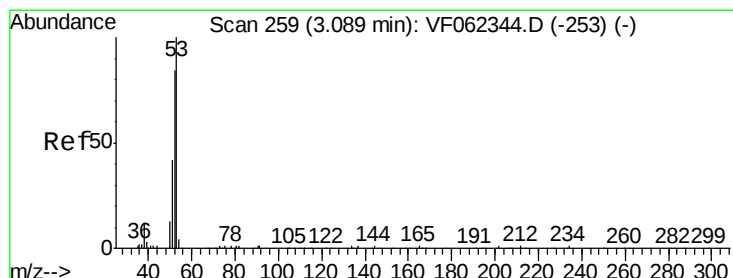
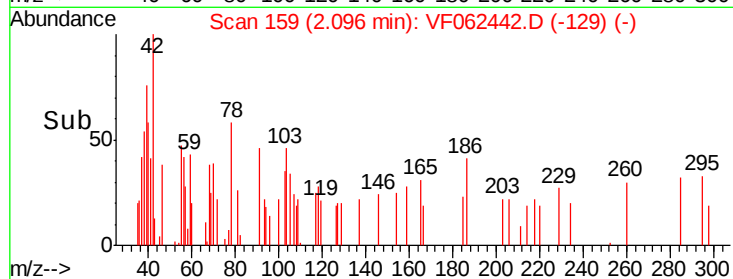
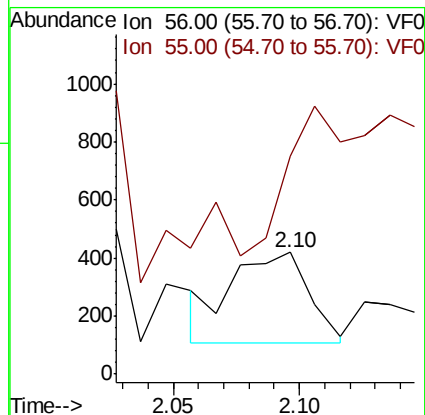
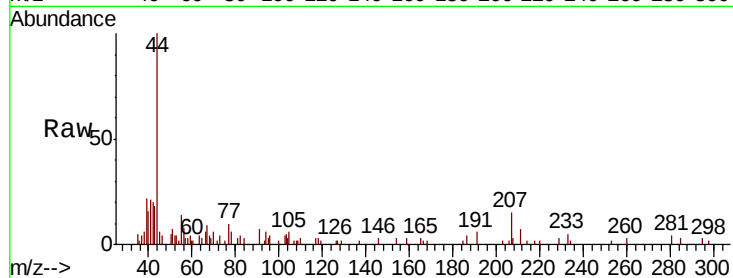
Instrument :
MSVOA_F
ClientSampled :
TP-3

Tot Ion: 56 Resp: 654

Ion Ratio Lower Upper

56 100

55 118.3 58.4 87.6#



#15

Acrylonitrile

Concen: 1.938 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF062442.D

Acq: 11 May 2019 2:44

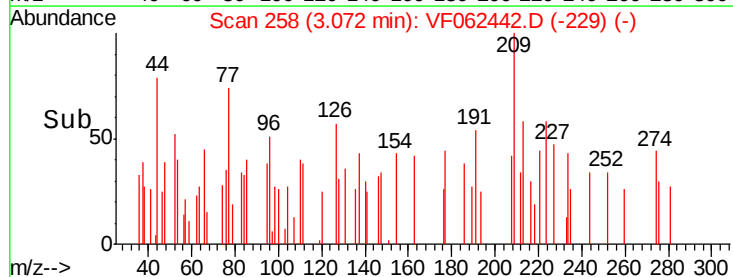
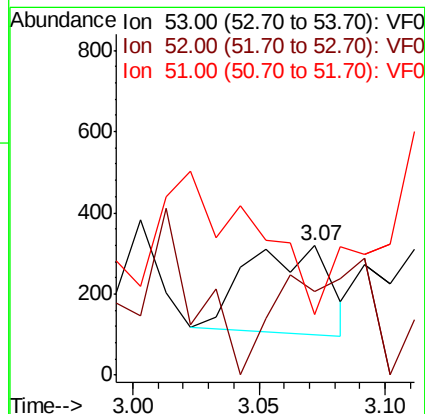
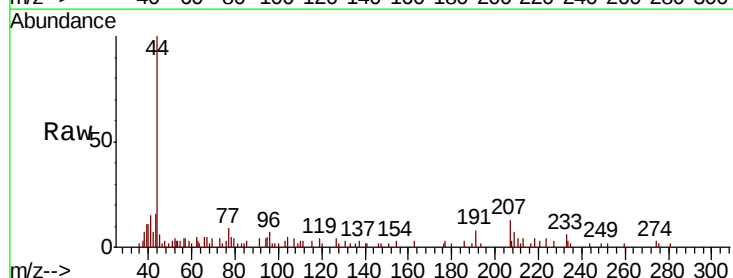
Tgt Ion: 53 Resp: 494

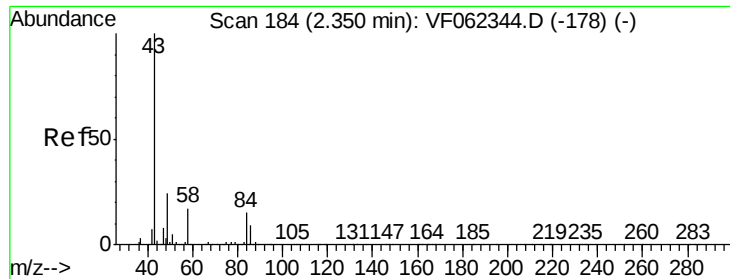
Ion Ratio Lower Upper

53 100

52 150.6 77.2 115.8#

51 0.0 40.6 61.0#

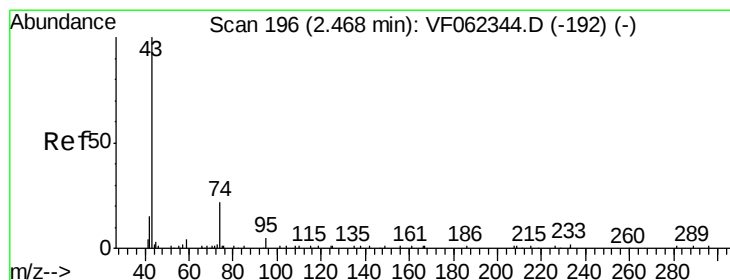
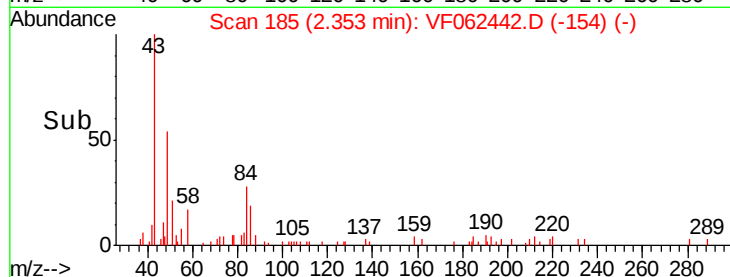
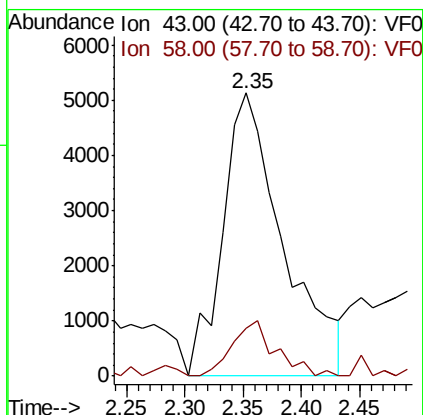
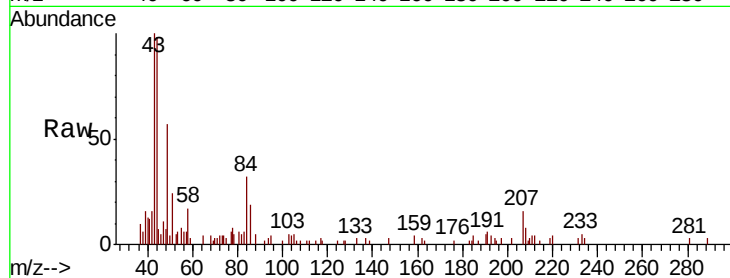




#16
Acetone
Concen: 38.420 ug/l
RT: 2.35 min Scan# 185
Delta R.T. 0.00 min
Lab File: VF062442.D
Acq: 11 May 2019 2:44

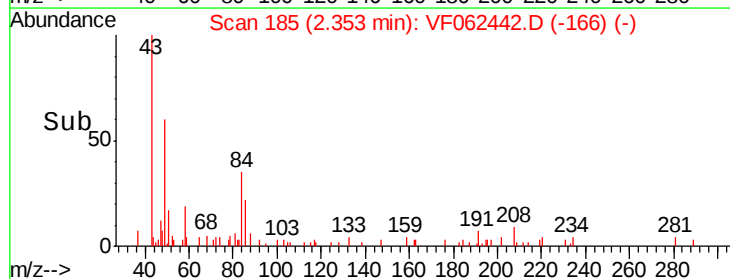
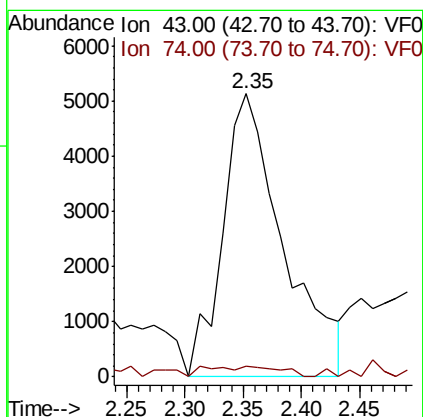
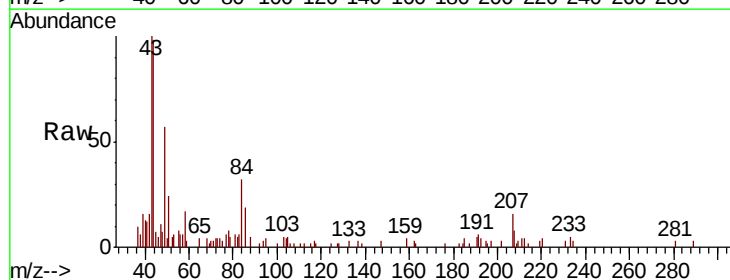
Instrument :
MSVOA_F
ClientSampleId :
TP-3

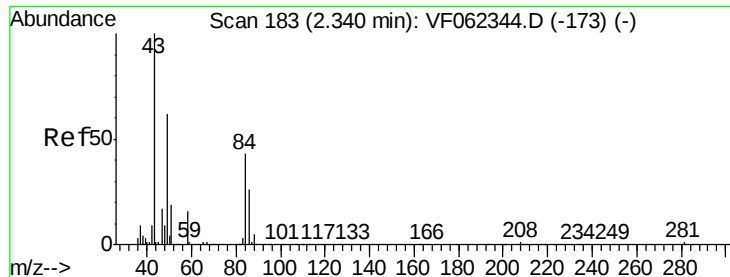
Tot Ion: 43 Resp: 18504
Ion Ratio Lower Upper
43 100
58 16.7 13.1 19.7



#18
Methyl Acetate
Concen: 19.134 ug/l
RT: 2.35 min Scan# 185
Delta R.T. -0.12 min
Lab File: VF062442.D
Acq: 11 May 2019 2:44

Tgt Ion: 43 Resp: 18504
Ion Ratio Lower Upper
43 100
74 2.5 15.0 22.4#

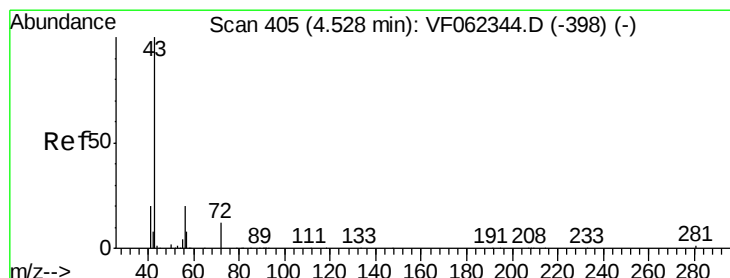
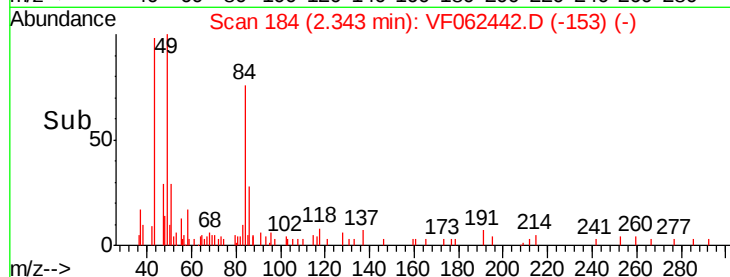
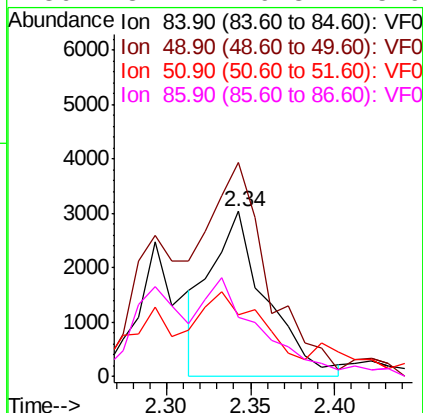
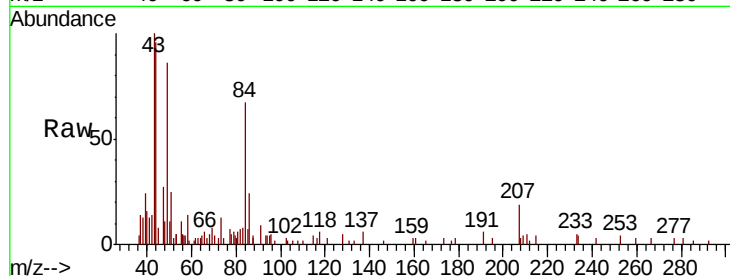




#20
Methvlene Chloride
Concen: 3.980 ug/l
RT: 2.34 min Scan# 184
Delta R.T. 0.00 min
Lab File: VF062442.D
Acq: 11 May 2019 2:44

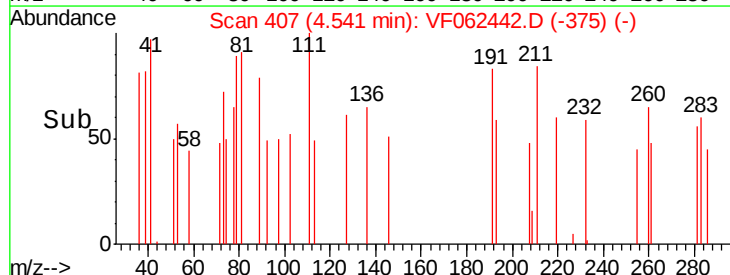
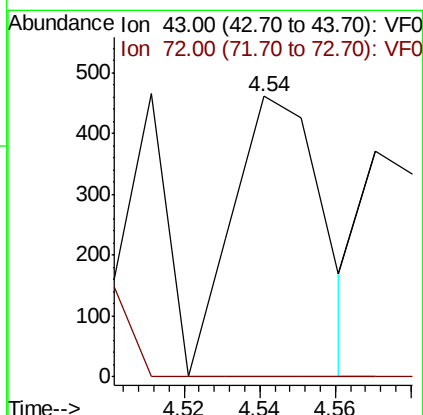
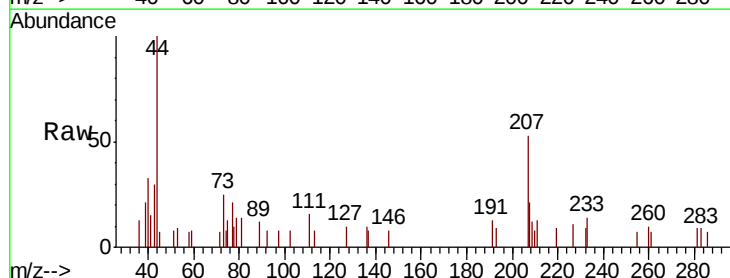
Instrument :
MSVOA_F
ClientSampleId :
TP-3

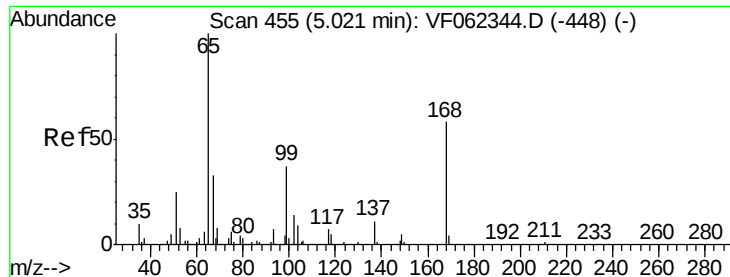
Tot Ion: 84 Resp: 6935
Ion Ratio Lower Upper
84 100
49 135.5 117.5 176.3
51 24.3 37.0 55.4#
86 34.2 49.3 73.9#



#25
2-Butanone
Concen: 1.256 ug/l
RT: 4.54 min Scan# 407
Delta R.T. 0.01 min
Lab File: VF062442.D
Acq: 11 May 2019 2:44

Tgt Ion: 43 Resp: 760
Ion Ratio Lower Upper
43 100
72 0.0 14.2 21.4#





#33

1,2-Dichloroethane-d4

Concen: 76.487 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.02 min

Lab File: VF062442.D

Acq: 11 May 2019 2:44

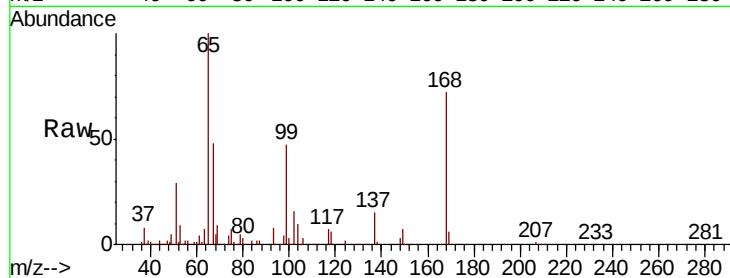
Instrument :
MSVOA_F
ClientSampled :
TP-3

Tot Ion: 65 Resp: 182101

Ion Ratio Lower Upper

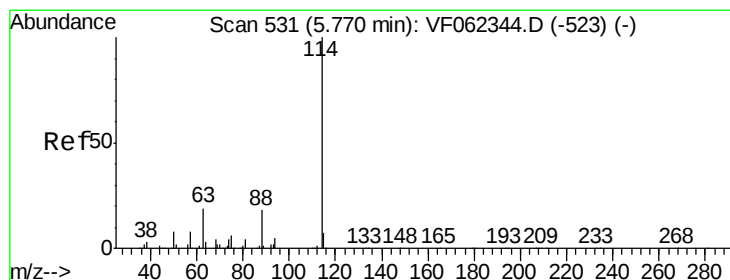
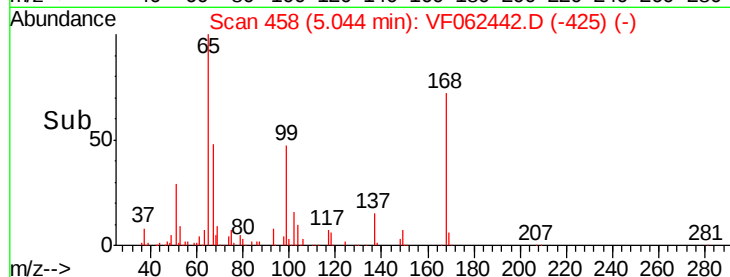
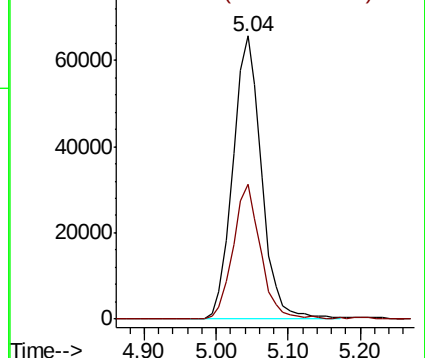
65 100

67 45.9 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: 5.78 min Scan# 533

Delta R.T. 0.01 min

Lab File: VF062442.D

Acq: 11 May 2019 2:44

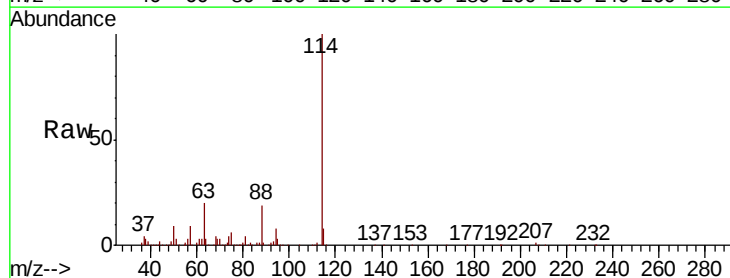
Tgt Ion: 114 Resp: 366199

Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.4

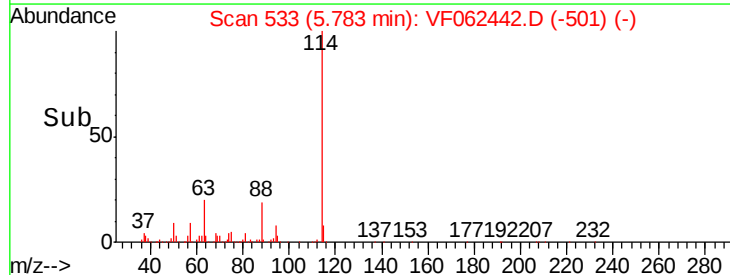
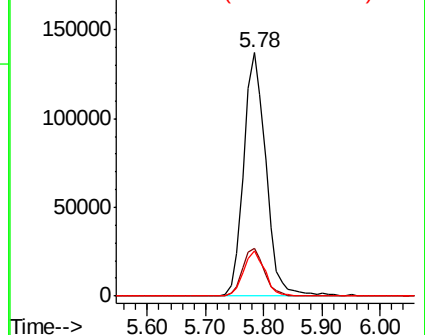
88 18.6 0.0 36.4

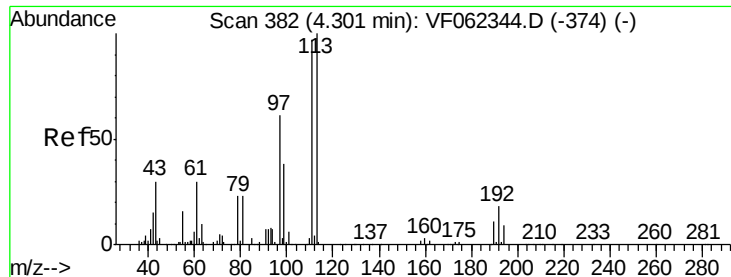


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

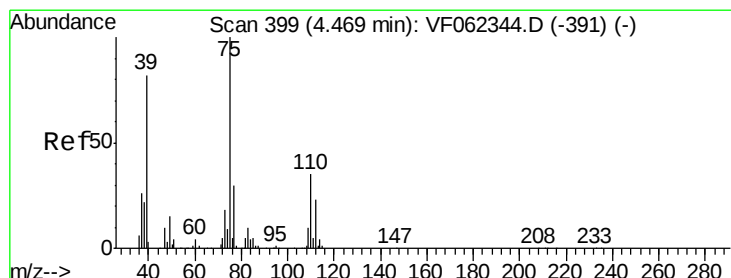
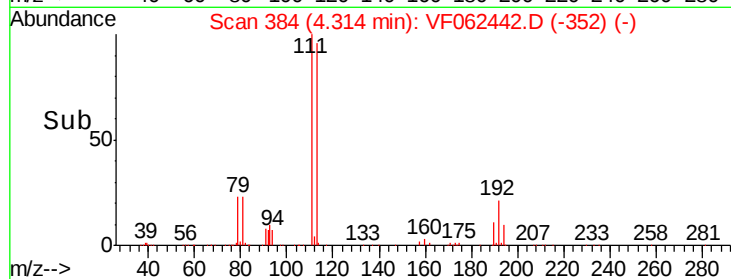
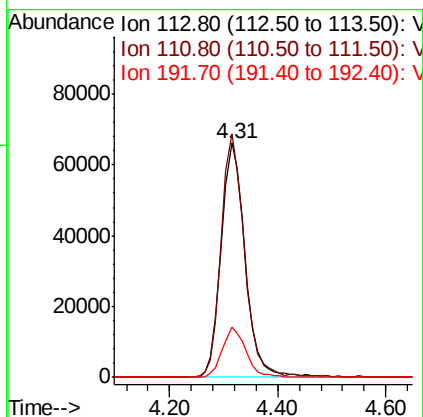
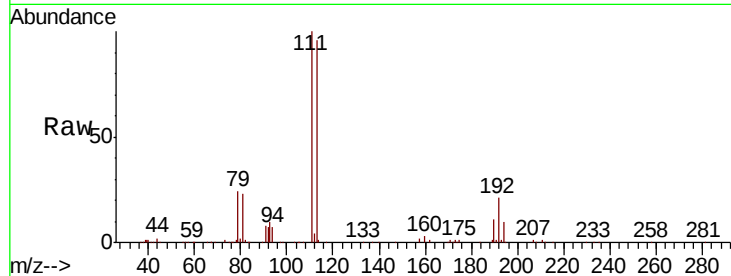




#35
 Dibromofluoromethane
 Concen: 69.815 ug/l
 RT: 4.31 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VF062442.D
 Acq: 11 May 2019 2:44

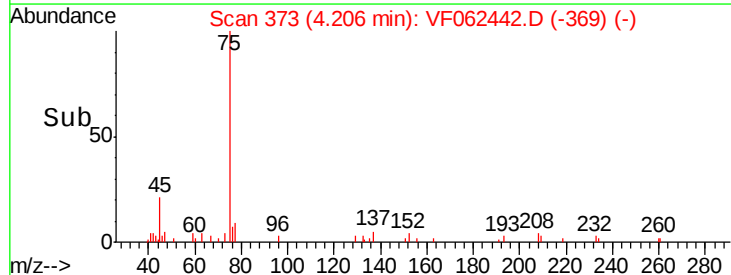
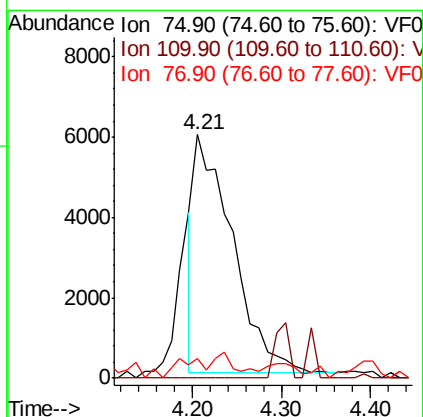
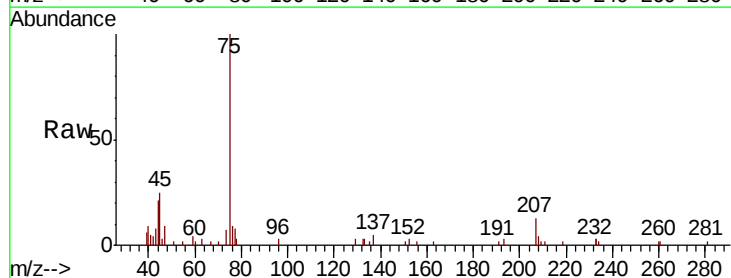
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-3

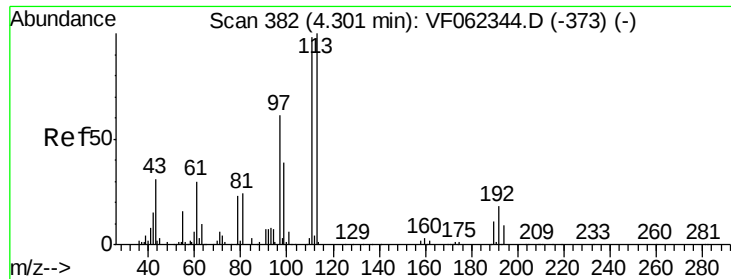
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.5	79.4	119.0
192	21.1	16.0	24.0



#36
 1,1-Dichloropropene
 Concen: 5.580 ug/l
 RT: 4.21 min Scan# 373
 Delta R.T. -0.26 min
 Lab File: VF062442.D
 Acq: 11 May 2019 2:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.2	51.5#
77	0.0	25.2	37.8#

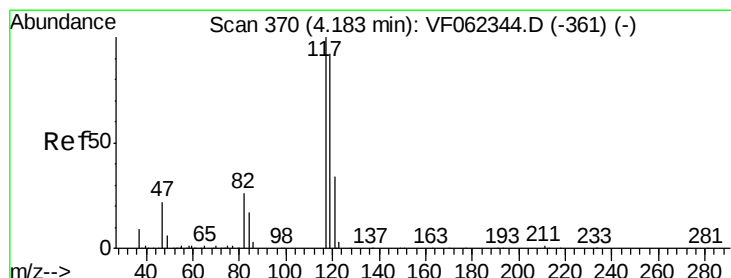
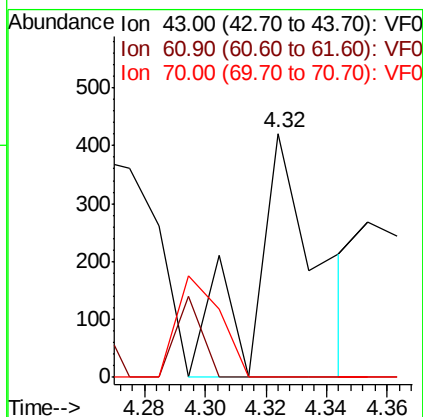
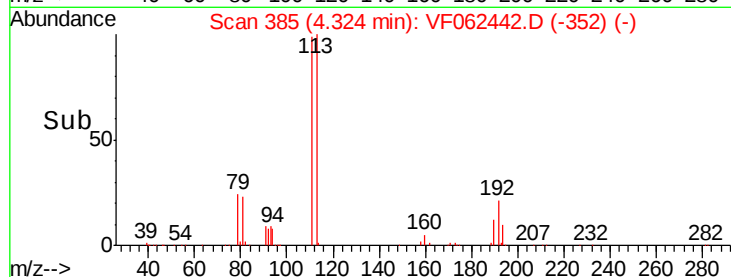
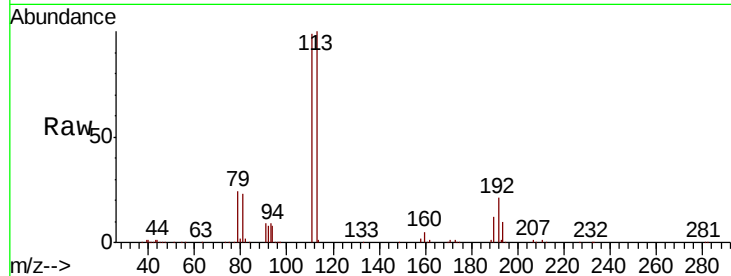




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.32 min Scan# 385
Delta R.T. 0.02 min
Lab File: VF062442.D
Acq: 11 May 2019 2:44

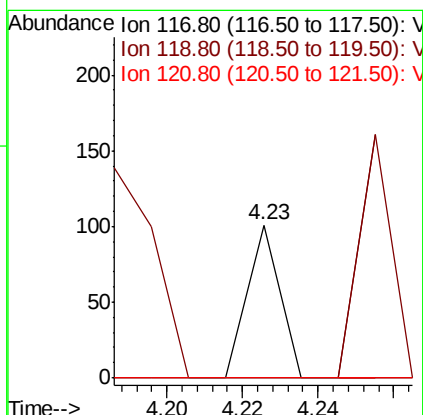
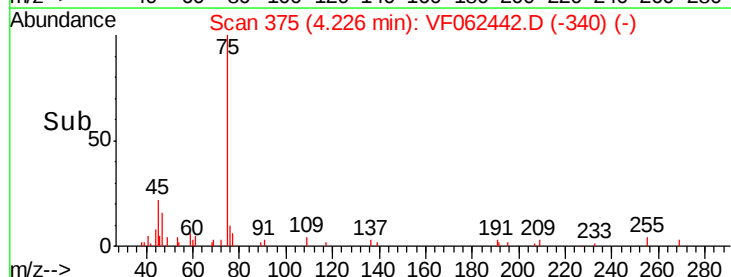
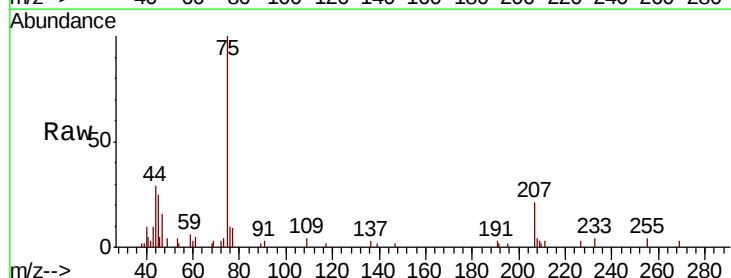
Instrument :
MSVOA_F
ClientSampled :
TP-3

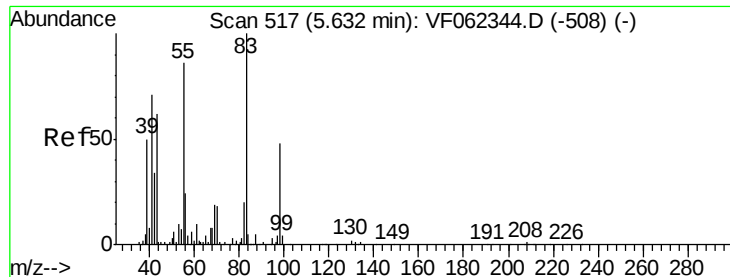
Tot Ion: 43 Resp: 609
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 0.0 8.2 12.2#



#38
Carbon Tetrachloride
Concen: Below Cal
RT: 4.23 min Scan# 375
Delta R.T. 0.04 min
Lab File: VF062442.D
Acq: 11 May 2019 2:44

Tgt Ion: 117 Resp: 60
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.2#
121 0.0 27.4 41.0#

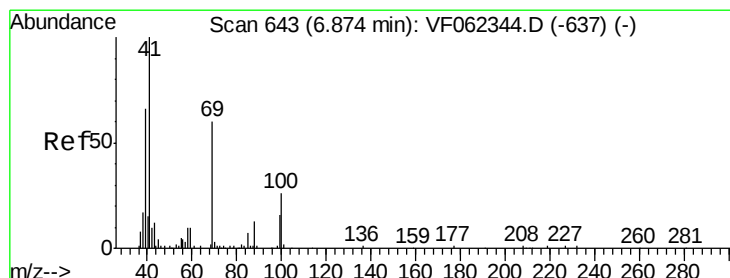
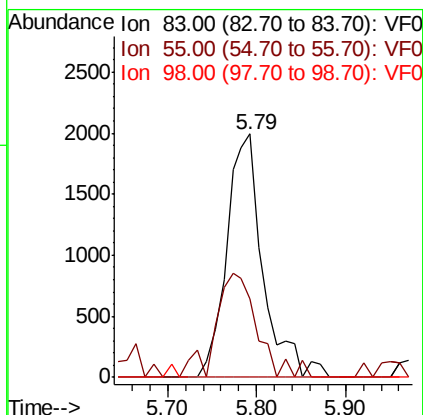
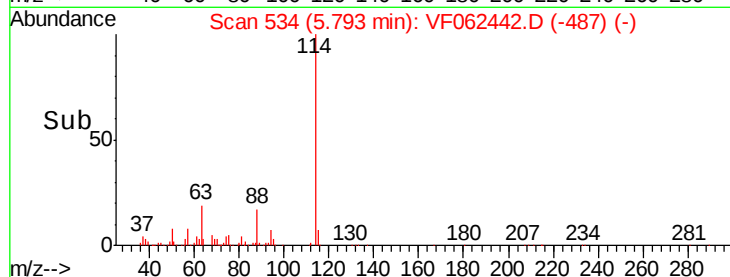
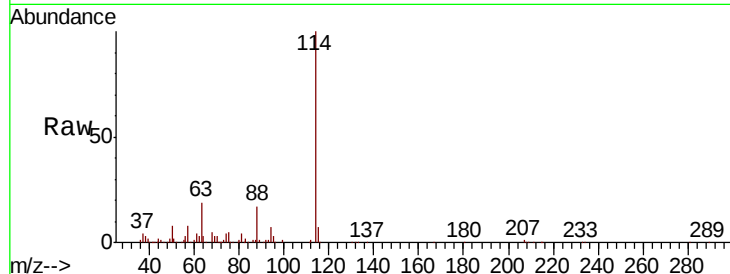




#39
Methylcyclohexane
Concen: 1.799 ug/l
RT: 5.79 min Scan# 534
Delta R.T. 0.16 min
Lab File: VF062442.D
Acq: 11 May 2019 2:44

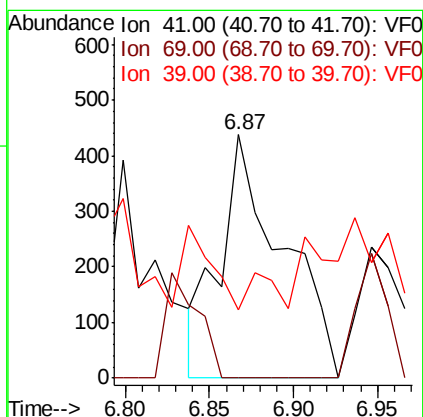
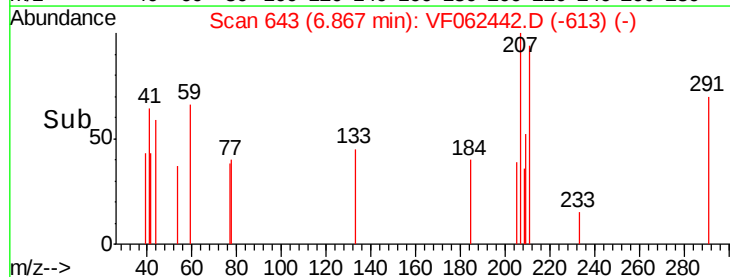
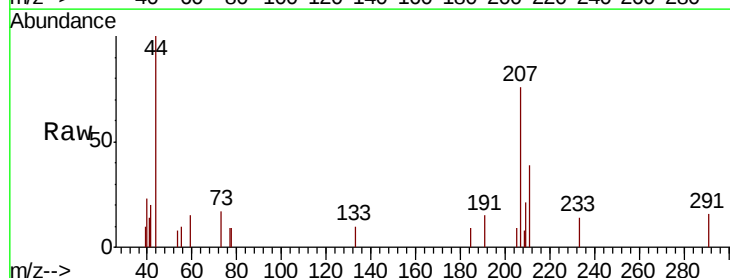
Instrument :
MSVOA_F
ClientSampled :
TP-3

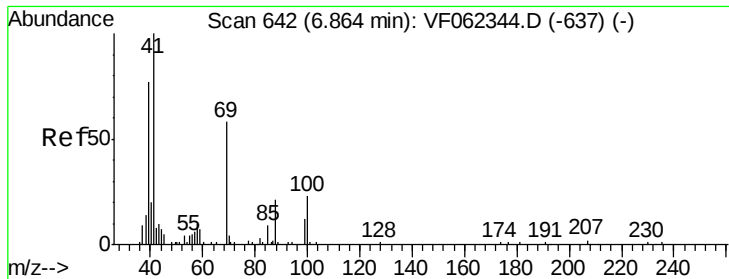
Tot Ion: 83 Resp: 5675
Ion Ratio Lower Upper
83 100
55 32.0 69.0 103.6#
98 0.0 38.6 58.0#



#48
Methyl methacrylate
Concen: 1.119 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF062442.D
Acq: 11 May 2019 2:44

Tgt Ion: 41 Resp: 1131
Ion Ratio Lower Upper
41 100
69 0.0 48.6 72.8#
39 0.0 56.1 84.1#





#49

1,4-Dioxane

Concen: Below Cal

RT: 6.92 min Scan# 648

Delta R.T. 0.05 min

Lab File: VF062442.D

Acq: 11 May 2019 2:44

Instrument :

MSVOA_F

ClientSampleId :

TP-3

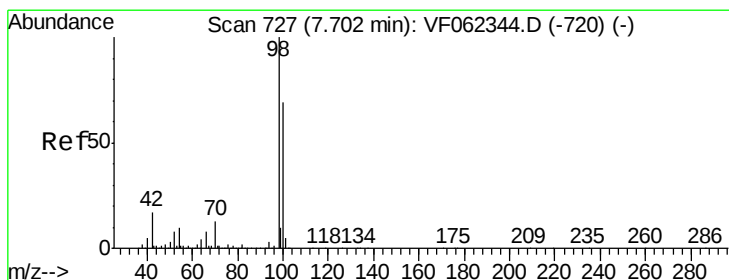
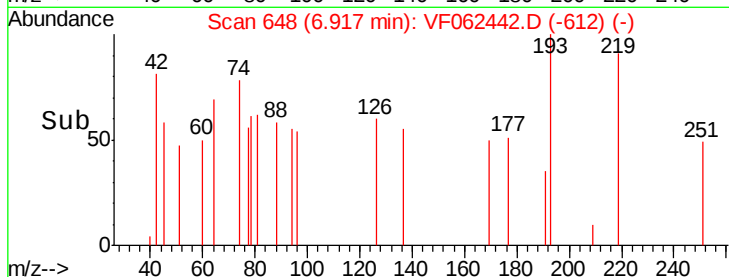
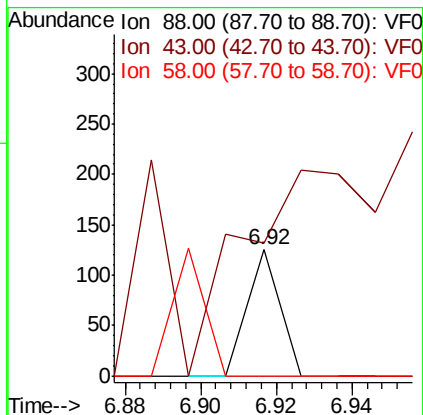
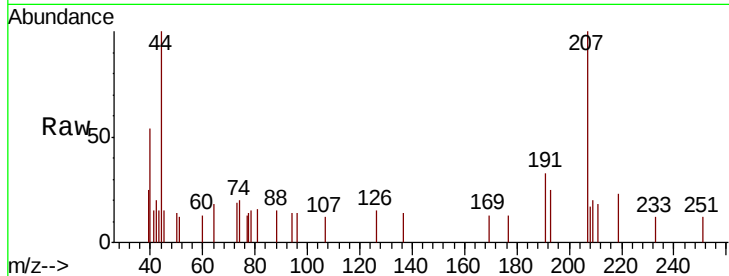
Tot Ion: 88 Resp: 74

Ion Ratio Lower Upper

88 100

43 0.0 55.6 83.4#

58 0.0 52.8 79.2#



#50

Toluene-d8

Concen: 42.044 ug/l

RT: 7.71 min Scan# 729

Delta R.T. 0.01 min

Lab File: VF062442.D

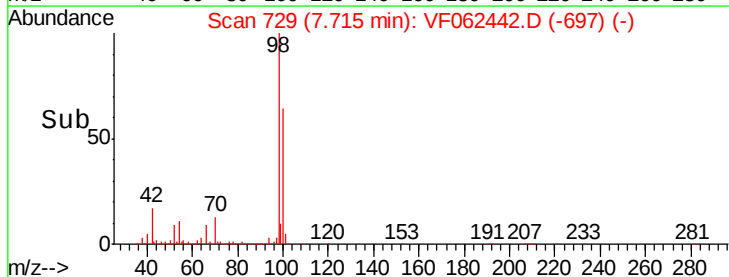
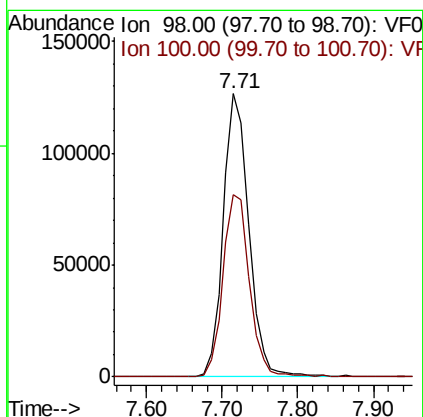
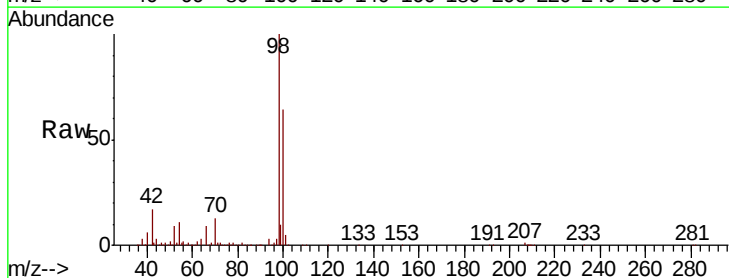
Acq: 11 May 2019 2:44

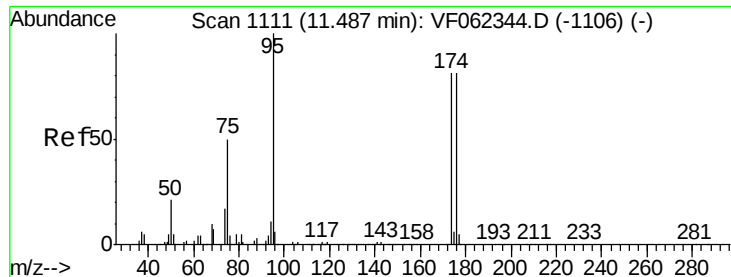
Tgt Ion: 98 Resp: 296920

Ion Ratio Lower Upper

98 100

100 67.1 53.3 79.9





#62

4-Bromofluorobenzene

Concen: 38.730 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062442.D

Acq: 11 May 2019 2:44

Instrument :

MSVOA_F

ClientSampled :

TP-3

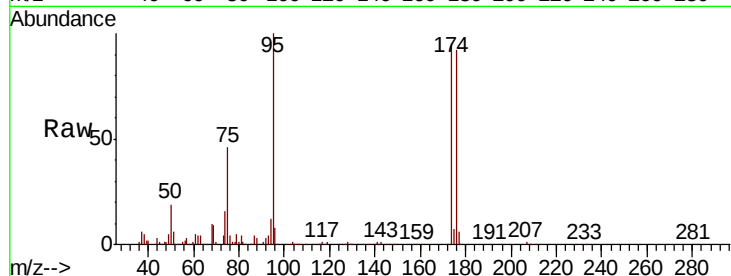
Tot Ion: 95 Resp: 123399

Ion Ratio Lower Upper

95 100

174 100.6 0.0 191.8

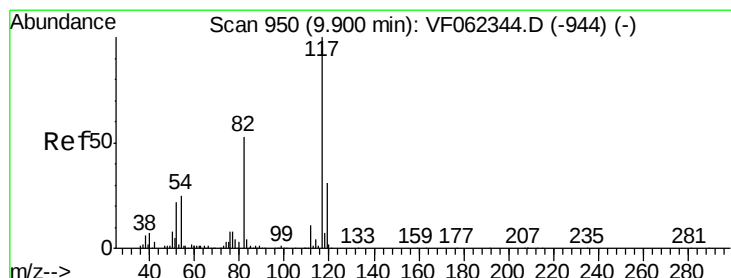
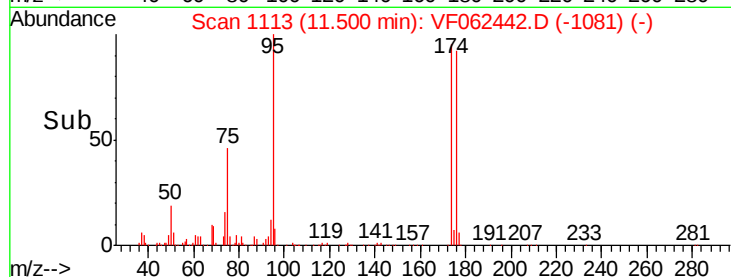
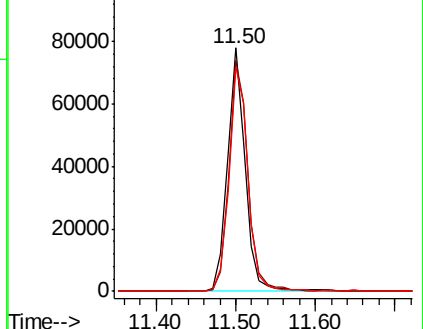
176 98.1 0.0 193.2



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: 9.91 min Scan# 952

Delta R.T. 0.01 min

Lab File: VF062442.D

Acq: 11 May 2019 2:44

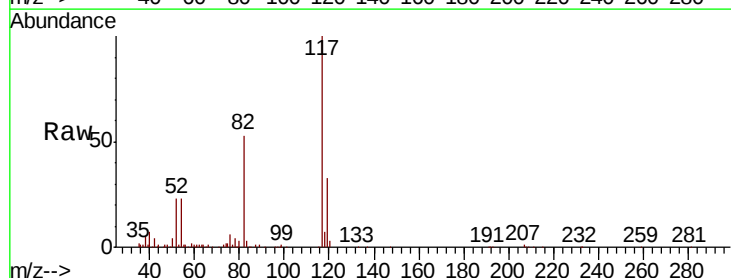
Tgt Ion: 117 Resp: 251377

Ion Ratio Lower Upper

117 100

82 53.2 42.2 63.2

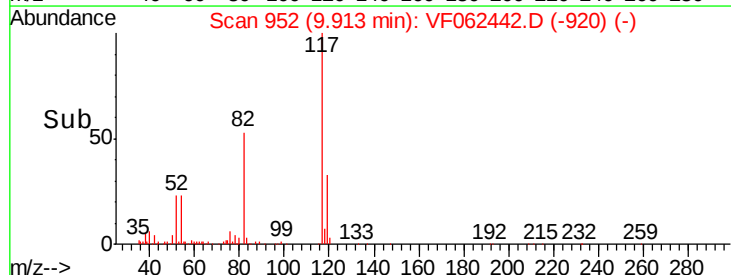
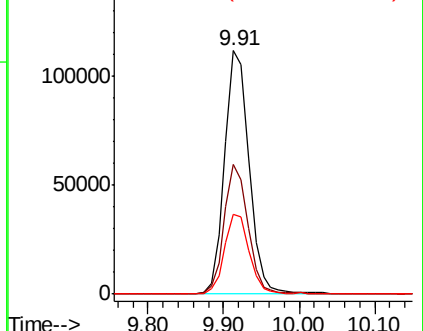
119 32.7 25.0 37.4

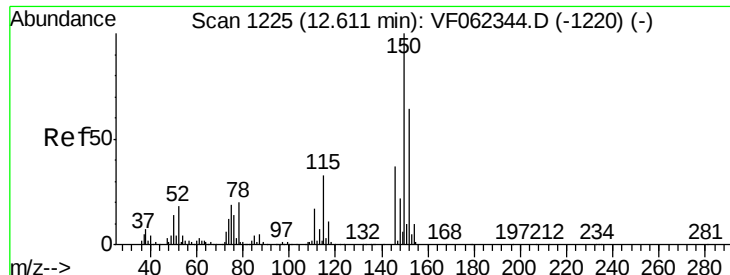


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.61 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VF062442.D

Acq: 11 May 2019 2:44

Instrument :

MSVOA_F

ClientSampleId :

TP-3

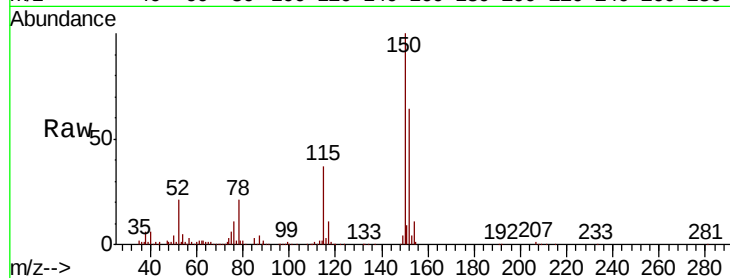
Tot Ion:152 Resp: 115877

Ion Ratio Lower Upper

152 100

115 55.3 26.4 79.2

150 155.7 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

