

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051119\
 Data File : VF062453.D
 Acq On : 11 May 2019 11:52
 Operator : FY/SY
 Sample : VF0511SBL01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBL01

Quant Time: May 12 03:44:42 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	333115	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	445270	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	411700	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	268175	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	167649	53.25	ug/l	0.02
Spiked Amount 50.000			Recovery	=	106.50%	
35) Dibromofluoromethane	4.32	113	210772	59.42	ug/l	0.02
Spiked Amount 50.000			Recovery	=	118.84%	
50) Toluene-d8	7.72	98	515107	59.99	ug/l	0.02
Spiked Amount 50.000			Recovery	=	119.98%	
62) 4-Bromofluorobenzene	11.50	95	221145	57.08	ug/l	0.02
Spiked Amount 50.000			Recovery	=	114.16%	

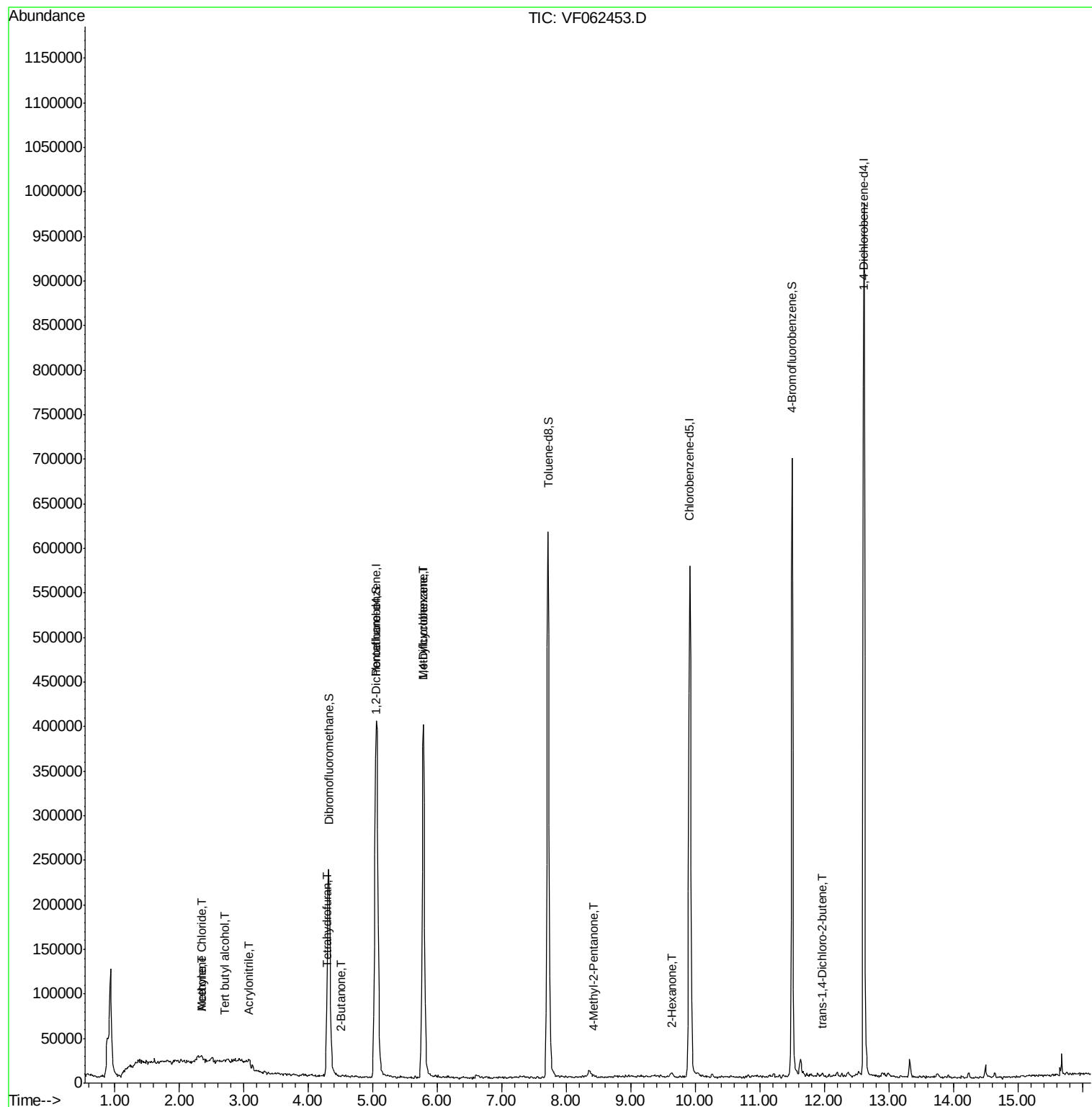
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.43	94	528	Below Cal	#	31
11) Tert butyl alcohol	2.71	59	420	2.361	ug/l #	70
13) Acrolein	2.14	56	953	Below Cal	#	76
15) Acrylonitrile	3.06	53	1437	4.264	ug/l #	57
16) Acetone	2.35	43	4905	7.702	ug/l #	75
20) Methylene Chloride	2.34	84	2688	1.167	ug/l #	89
25) 2-Butanone	4.51	43	1203	1.504	ug/l #	60
29) Tetrahydrofuran	4.28	42	411	1.118	ug/l #	82
37) Ethyl Acetate	4.32	43	451	Below Cal	#	73
38) Carbon Tetrachloride	4.29	117	63	Below Cal	#	14
39) Methylcyclohexane	5.78	83	6553	1.708	ug/l #	37
49) 1,4-Dioxane	6.92	88	64	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.42	43	2145	1.627	ug/l	96
59) 2-Hexanone	9.63	43	3915	4.294	ug/l	68
81) trans-1,4-Dichloro-2-buten	11.96	75	886	1.241	ug/l #	5

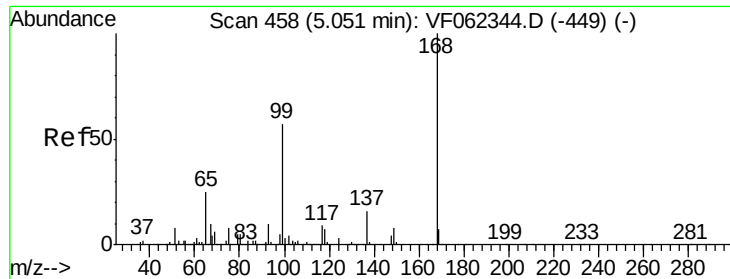
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051119\
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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: VF062453.D

Acq: 11 May 2019 11:52

Instrument :

MSVOA_F

ClientSampleId :

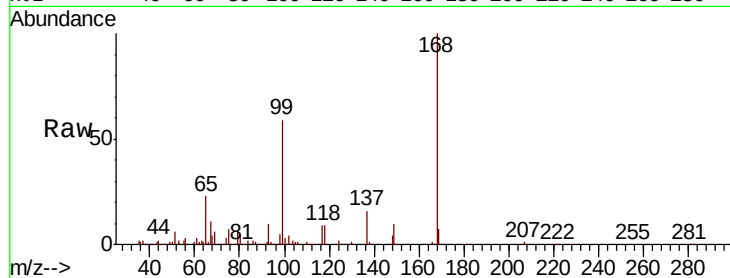
VF0511SBL01

Tot Ion:168 Resp: 333115

Ion Ratio Lower Upper

168 100

99 58.8 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.07

120000

100000

80000

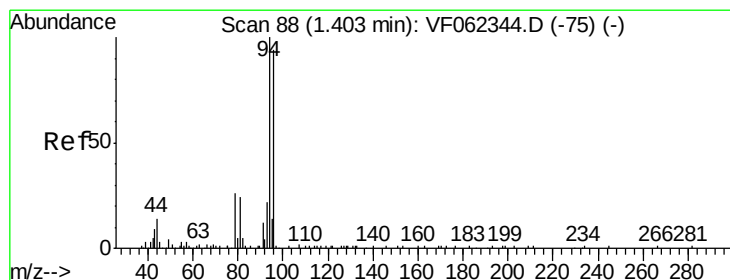
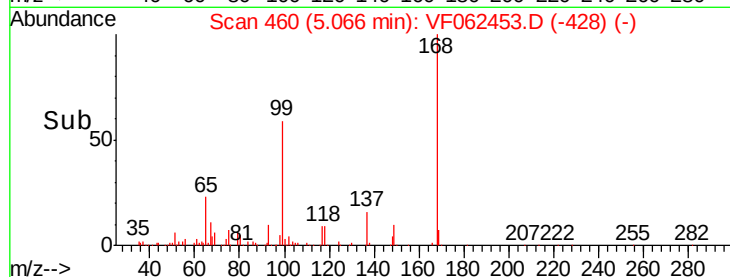
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.43 min Scan# 91

Delta R.T. 0.03 min

Lab File: VF062453.D

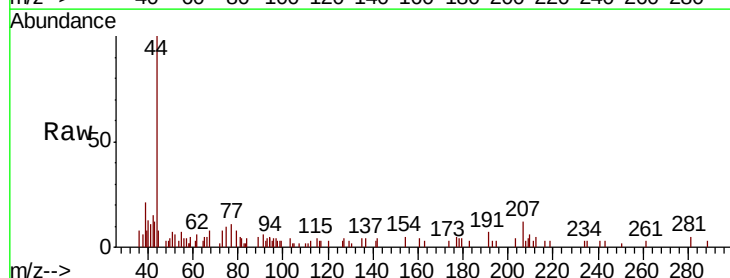
Acq: 11 May 2019 11:52

Tgt Ion: 94 Resp: 528

Ion Ratio Lower Upper

94 100

96 27.4 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

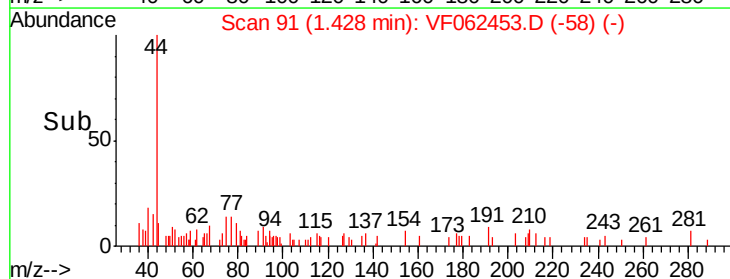
300

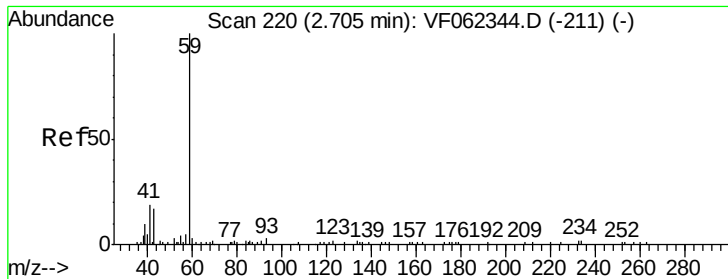
200

100

0

Time-->

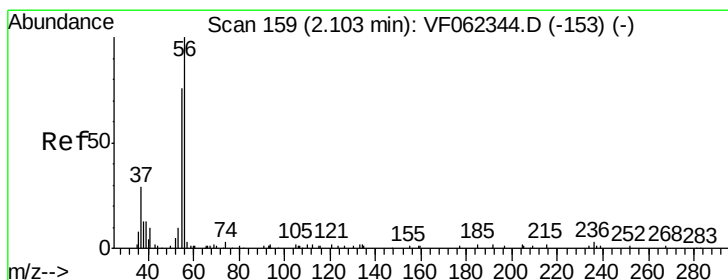
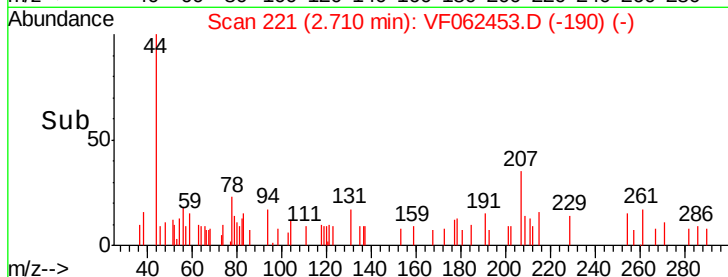
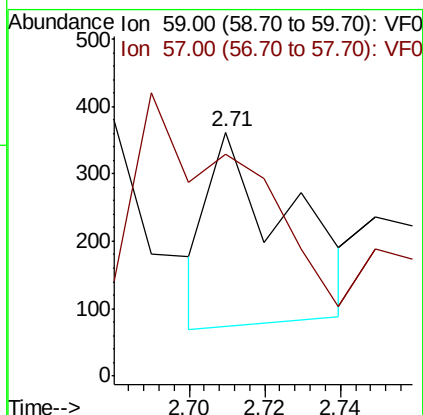
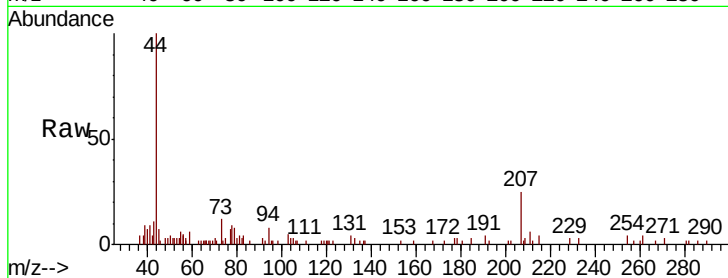




#11
Tert butyl alcohol
Concen: 2.361 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062453.D
Acq: 11 May 2019 11:52

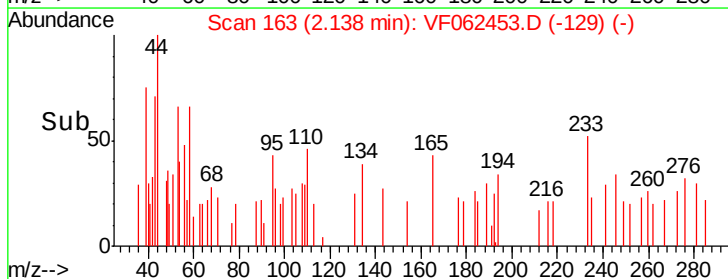
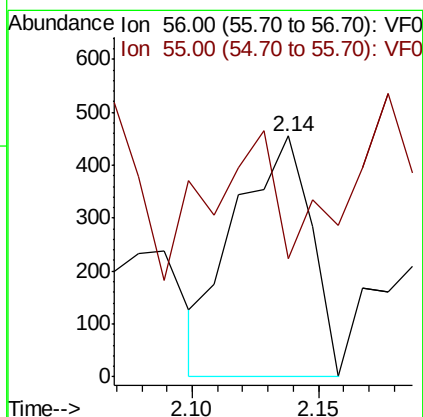
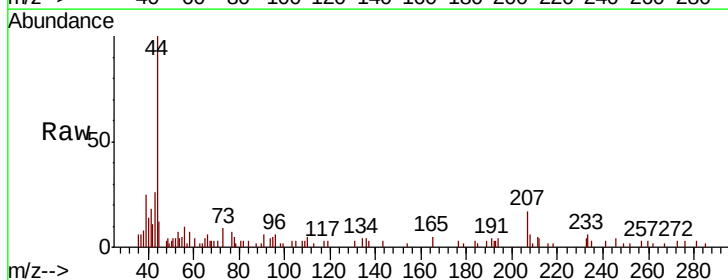
Instrument :
MSVOA_F
ClientSampleId :
VF0511SBL01

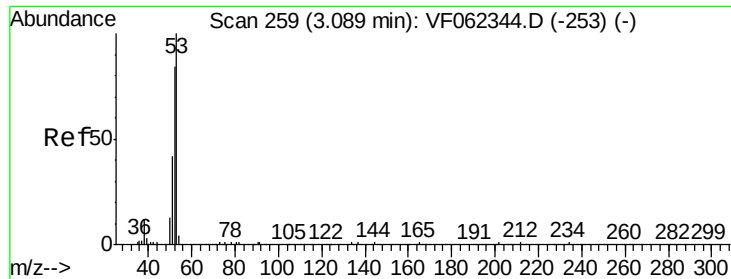
Tot Ion: 59 Resp: 420
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#



#13
Acrolein
Concen: Below Cal
RT: 2.14 min Scan# 163
Delta R.T. 0.04 min
Lab File: VF062453.D
Acq: 11 May 2019 11:52

Tgt Ion: 56 Resp: 953
Ion Ratio Lower Upper
56 100
55 52.6 58.4 87.6#





#15

Acrylonitrile

Concen: 4.264 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF062453.D

Acq: 11 May 2019 11:52

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBL01

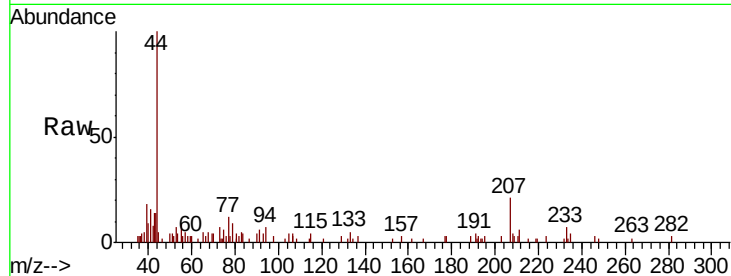
Tot Ion: 53 Resp: 1437

Ion Ratio Lower Upper

53 100

52 70.5 77.2 115.8#

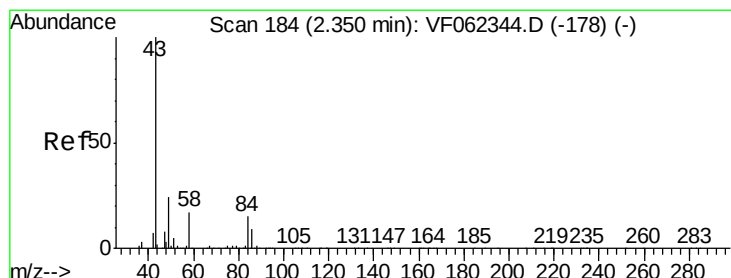
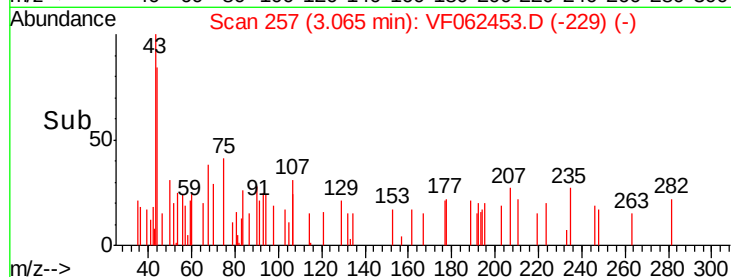
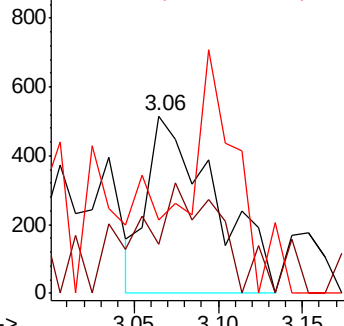
51 0.0 40.6 61.0#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 7.702 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062453.D

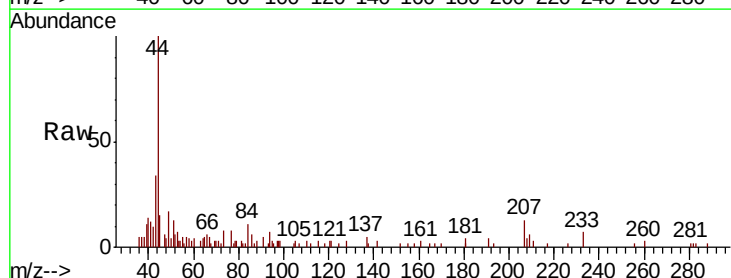
Acq: 11 May 2019 11:52

Tgt Ion: 43 Resp: 4905

Ion Ratio Lower Upper

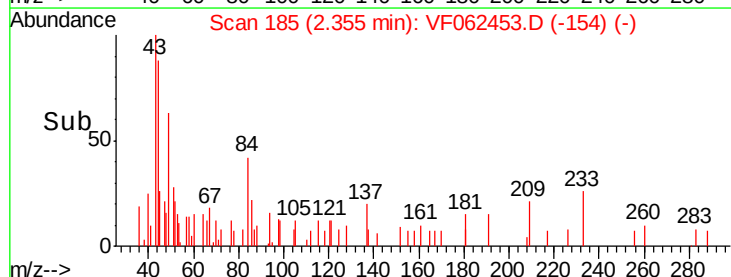
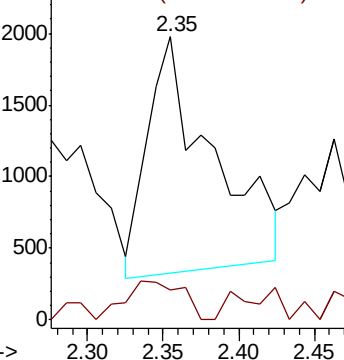
43 100

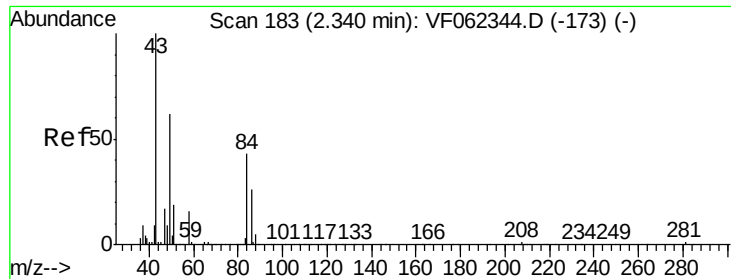
58 5.8 13.1 19.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

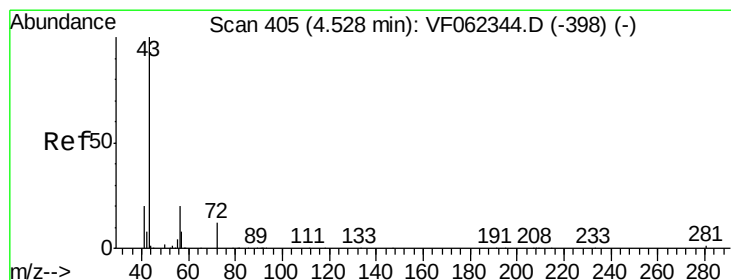
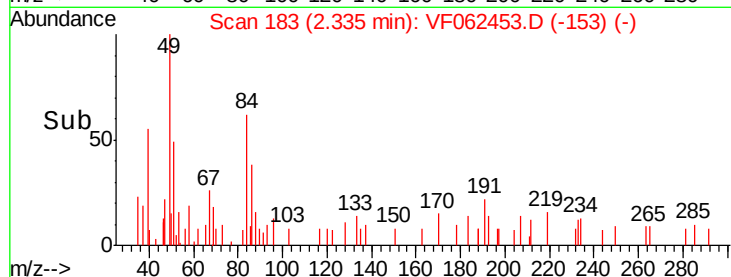
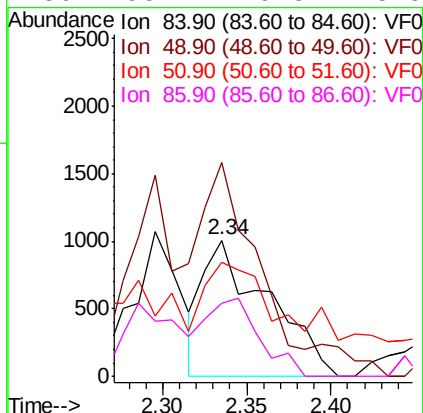
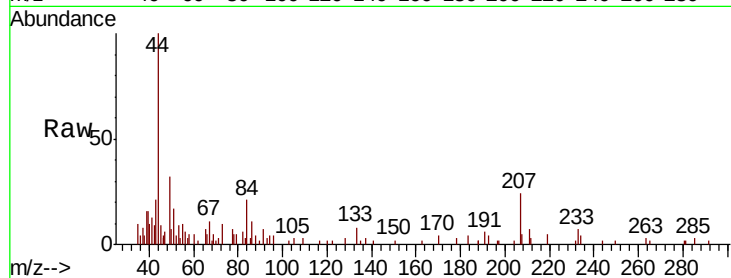




#20
Methylene Chloride
Concen: 1.167 ug/l
RT: 2.34 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF062453.D
Acq: 11 May 2019 11:52

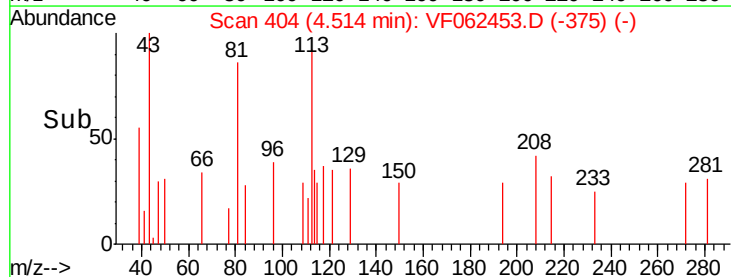
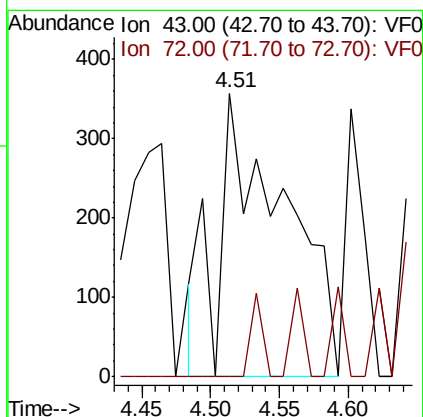
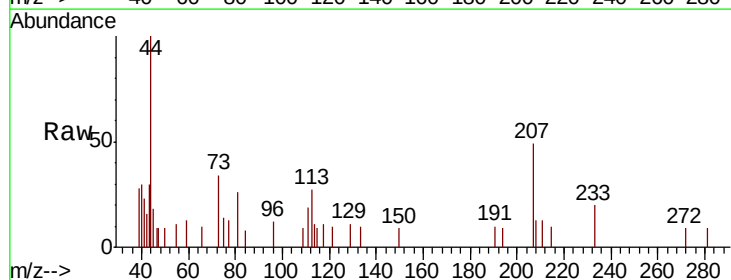
Instrument :
MSVOA_F
ClientSampleId :
VF0511SBL01

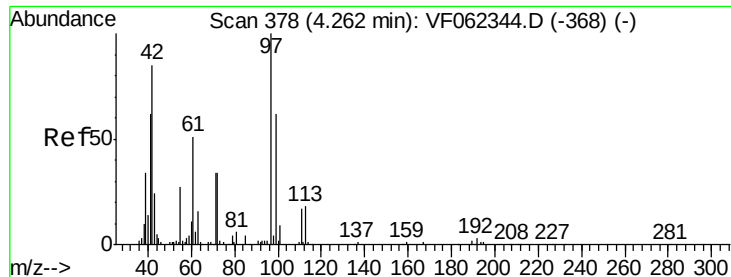
Tot Ion:	84	Resp:	2688
Ion	Ratio	Lower	Upper
84	100		
49	135.2	117.5	176.3
51	57.5	37.0	55.4#
86	53.2	49.3	73.9



#25
2-Butanone
Concen: 1.504 ug/l
RT: 4.51 min Scan# 404
Delta R.T. -0.01 min
Lab File: VF062453.D
Acq: 11 May 2019 11:52

Tgt Ion:	43	Resp:	1203
Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.2	21.4#





#29

Tetrahydrofuran

Concen: 1.118 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.02 min

Lab File: VF062453.D

Acq: 11 May 2019 11:52

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBL01

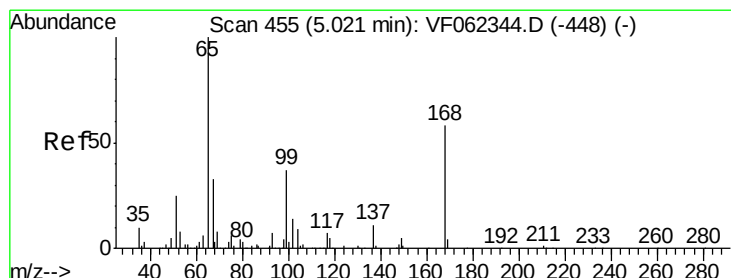
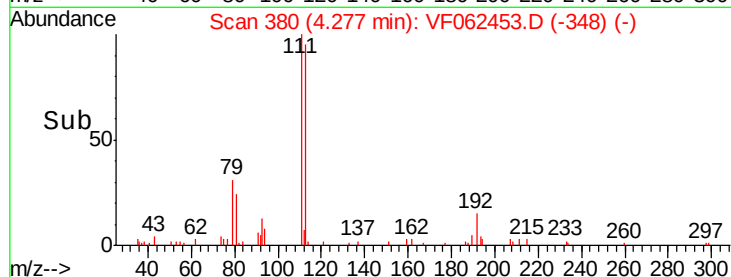
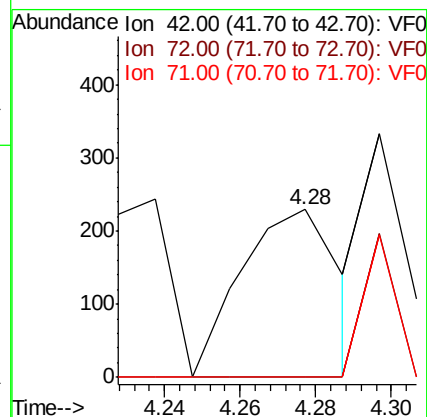
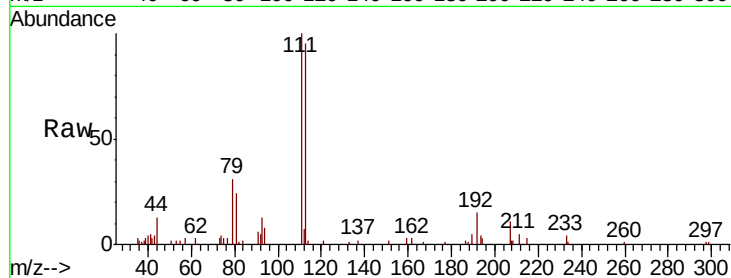
Tot Ion: 42 Resp: 411

Ion Ratio Lower Upper

42 100

72 28.2 31.4 47.0#

71 28.0 31.7 47.5#



#33

1,2-Dichloroethane-d4

Concen: 53.254 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.02 min

Lab File: VF062453.D

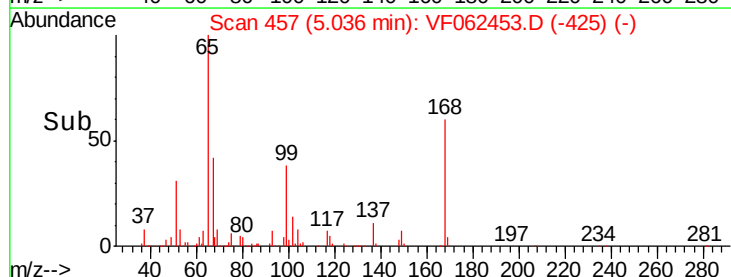
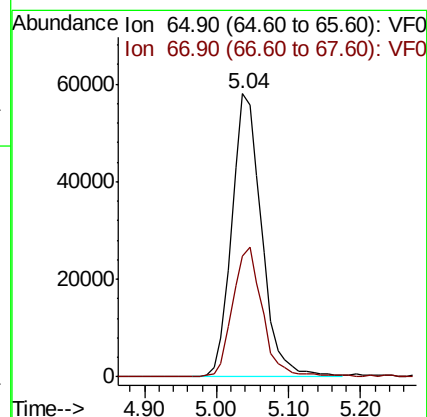
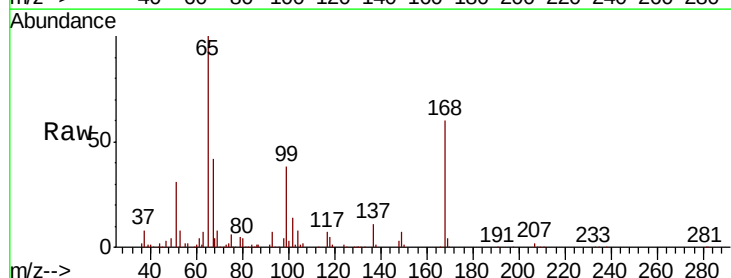
Acq: 11 May 2019 11:52

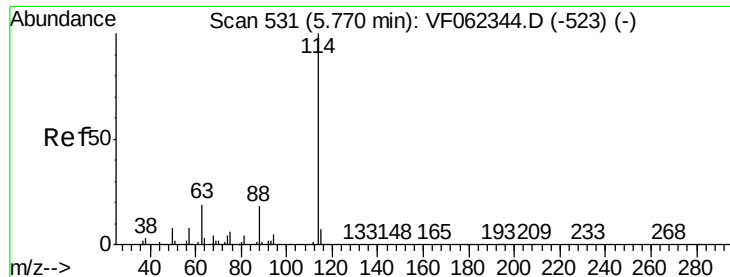
Tgt Ion: 65 Resp: 167649

Ion Ratio Lower Upper

65 100

67 46.0 0.0 85.8

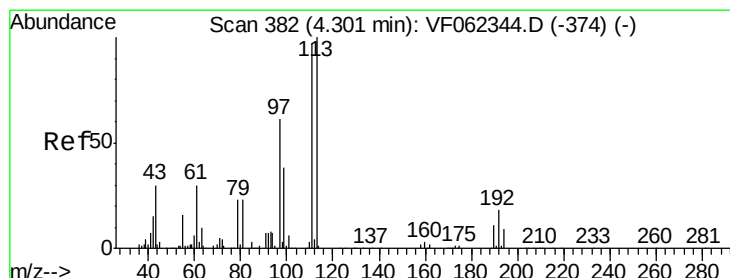
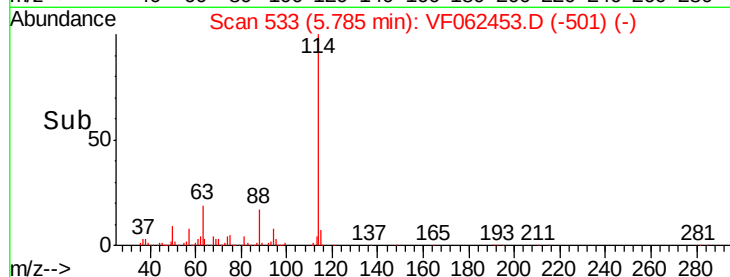
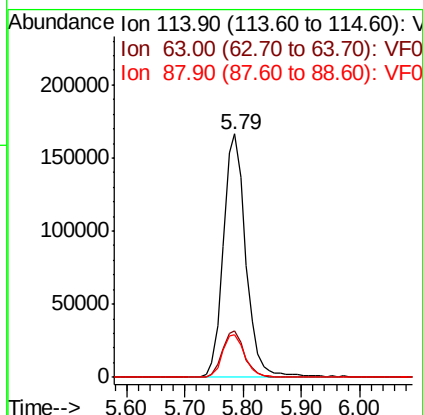
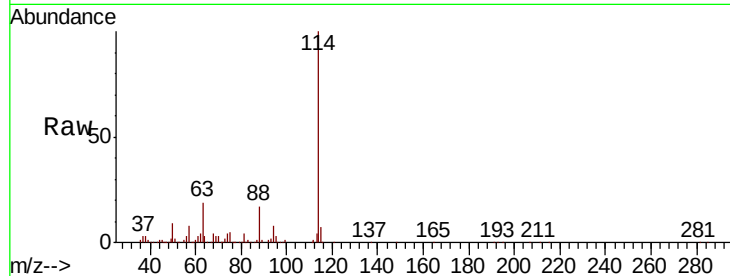




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. 0.02 min
 Lab File: VF062453.D
 Acq: 11 May 2019 11:52

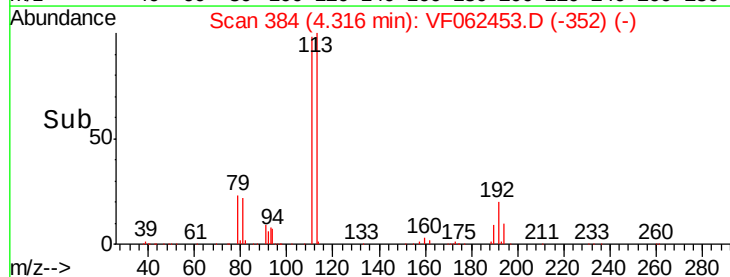
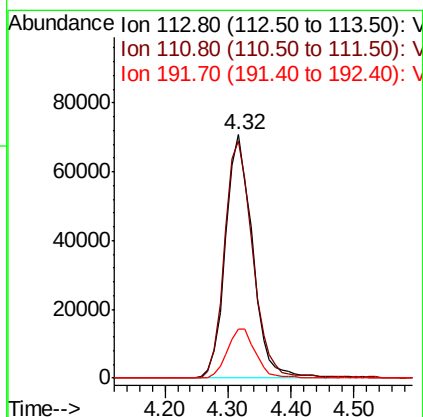
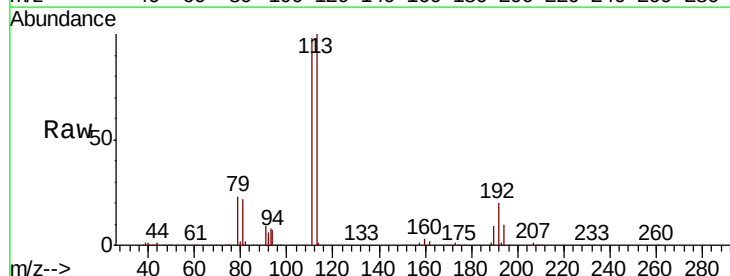
Instrument :
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 VF0511SBL01

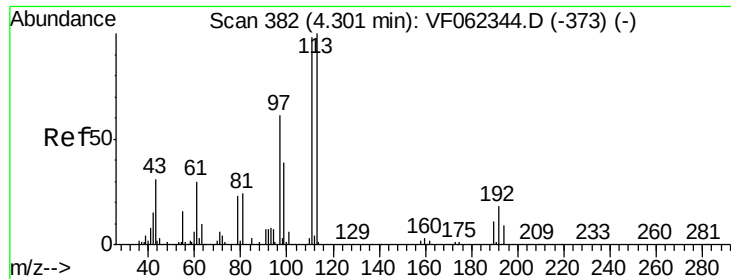
Tot Ion:114 Resp: 445270
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 37.4
 88 17.3 0.0 36.4



#35
 Dibromofluoromethane
 Concen: 59.416 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.02 min
 Lab File: VF062453.D
 Acq: 11 May 2019 11:52

Tgt Ion:113 Resp: 210772
 Ion Ratio Lower Upper
 113 100
 111 101.2 79.4 119.0
 192 20.9 16.0 24.0

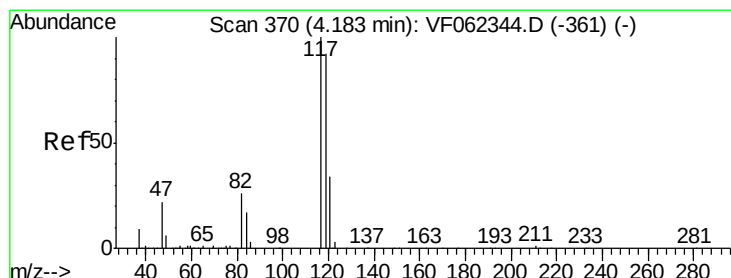
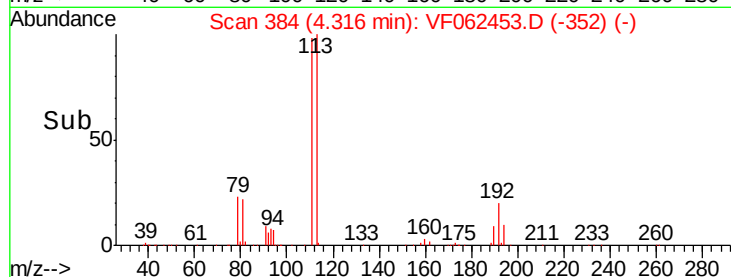
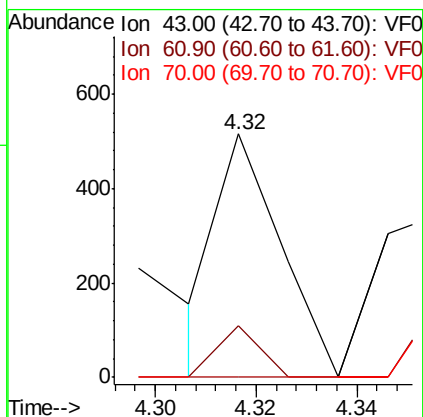
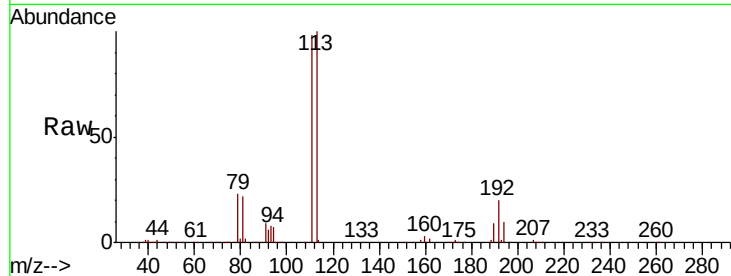




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.32 min Scan# 384
Delta R.T. 0.02 min
Lab File: VF062453.D
Acq: 11 May 2019 11:52

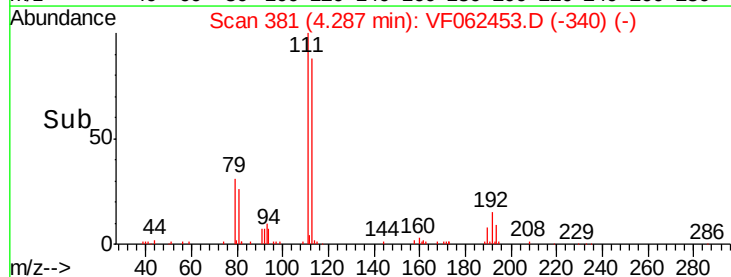
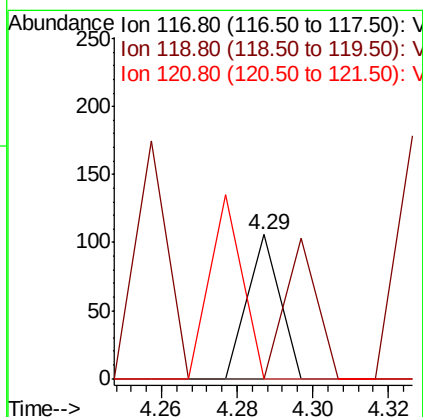
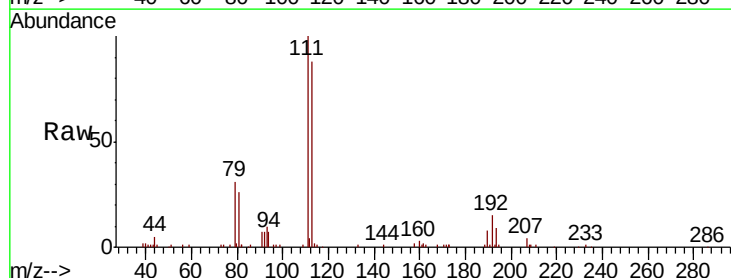
Instrument :
MSVOA_F
ClientSampleId :
VF0511SBL01

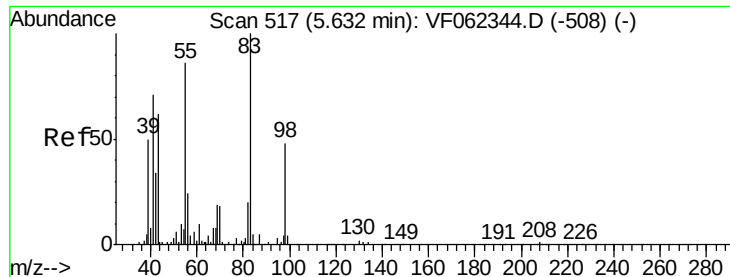
Tot Ion: 43 Resp: 451
Ion Ratio Lower Upper
43 100
61 14.2 0.0 0.0#
70 0.0 8.2 12.2#



#38
Carbon Tetrachloride
Concen: Below Cal
RT: 4.29 min Scan# 381
Delta R.T. 0.10 min
Lab File: VF062453.D
Acq: 11 May 2019 11:52

Tgt Ion: 117 Resp: 63
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.2#
121 0.0 27.4 41.0#





#39

Methylcyclohexane

Concen: 1.708 ug/l

RT: 5.78 min Scan# 532

Delta R.T. 0.14 min

Lab File: VF062453.D

Acq: 11 May 2019 11:52

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBL01

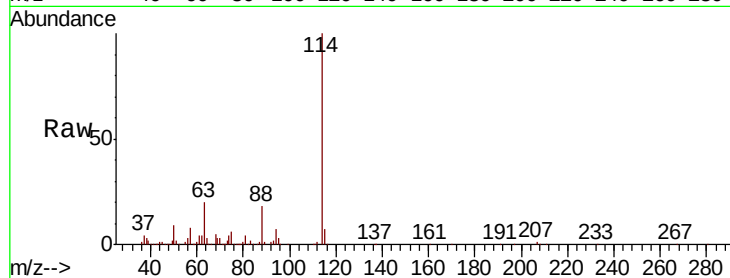
Tot Ion: 83 Resp: 6553

Ion Ratio Lower Upper

83 100

55 32.1 69.0 103.6#

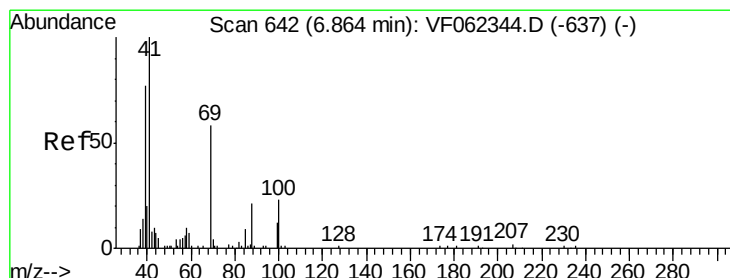
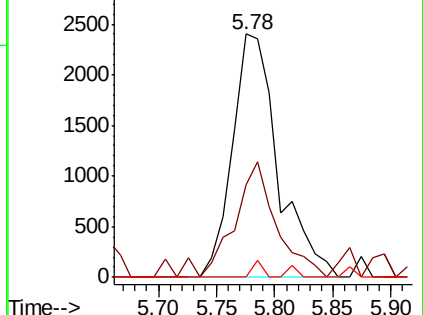
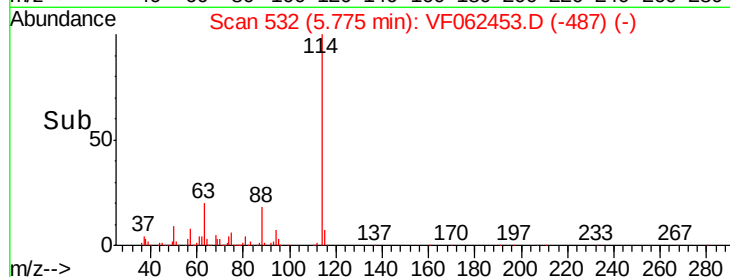
98 0.0 38.6 58.0#



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. 0.05 min

Lab File: VF062453.D

Acq: 11 May 2019 11:52

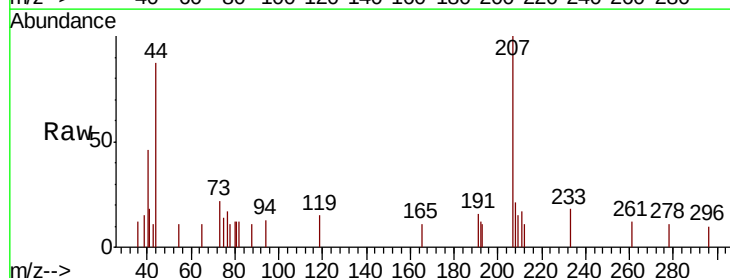
Tgt Ion: 88 Resp: 64

Ion Ratio Lower Upper

88 100

43 873.4 55.6 83.4#

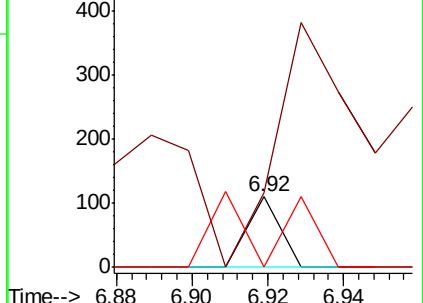
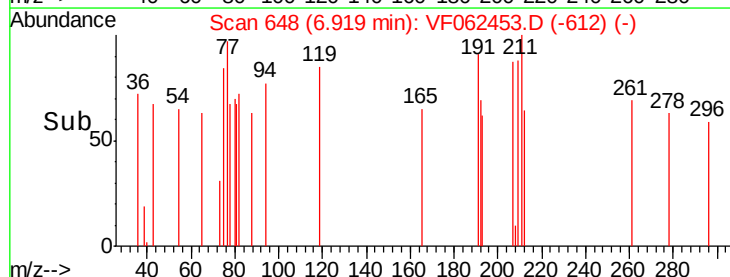
58 209.4 52.8 79.2#

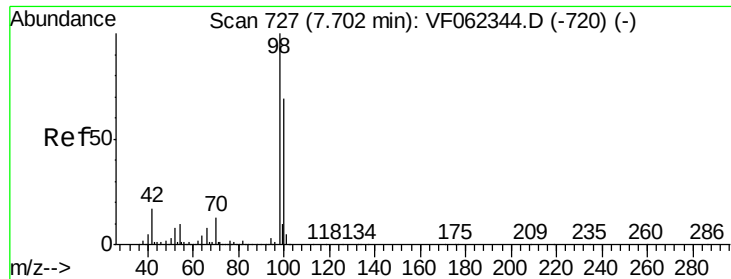


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

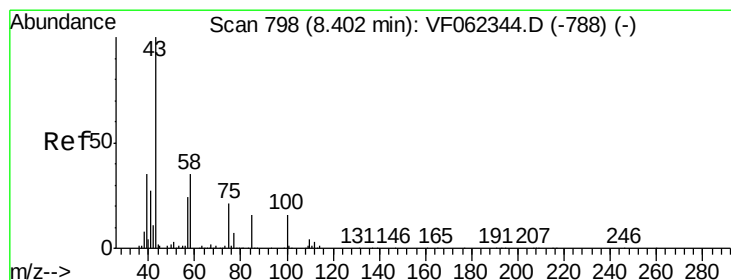
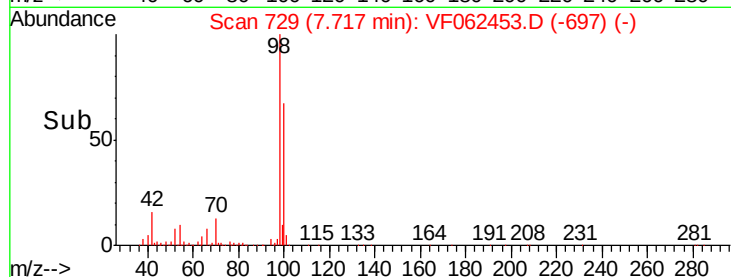
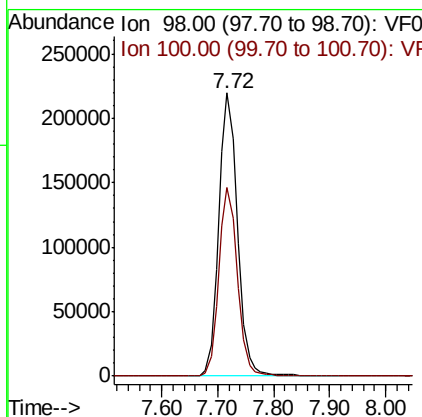
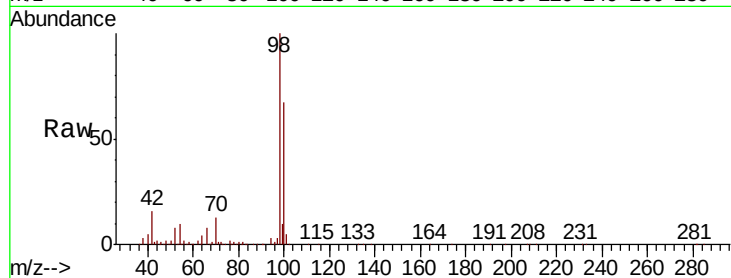




#50
Toluene-d8
Concen: 59.987 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.02 min
Lab File: VF062453.D
Acq: 11 May 2019 11:52

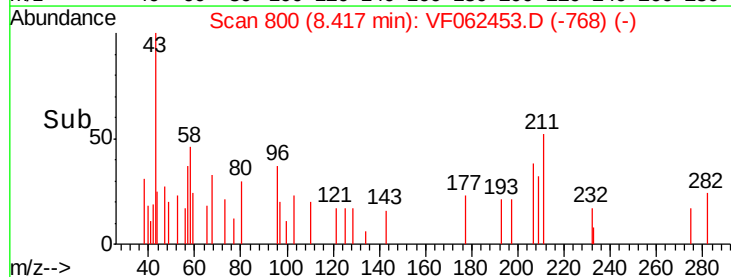
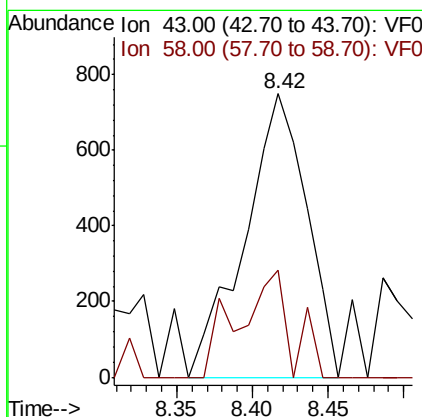
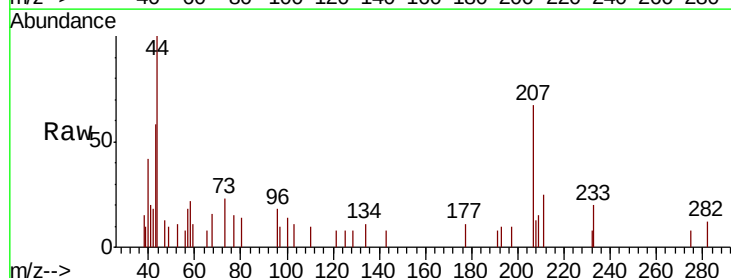
Instrument :
MSVOA_F
ClientSampleId :
VF0511SBL01

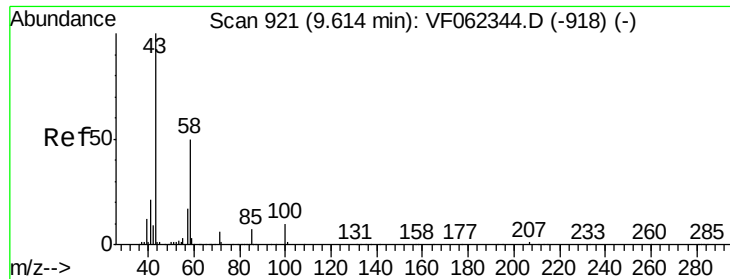
Tot Ion: 98 Resp: 515107
Ion Ratio Lower Upper
98 100
100 66.0 53.3 79.9



#51
4-Methyl-2-Pentanone
Concen: 1.627 ug/l
RT: 8.42 min Scan# 800
Delta R.T. 0.02 min
Lab File: VF062453.D
Acq: 11 May 2019 11:52

Tgt Ion: 43 Resp: 2145
Ion Ratio Lower Upper
43 100
58 32.4 27.8 41.6

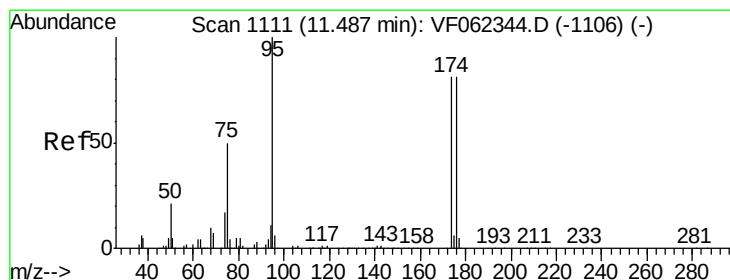
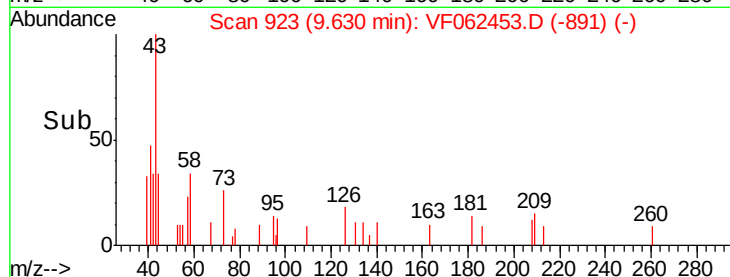
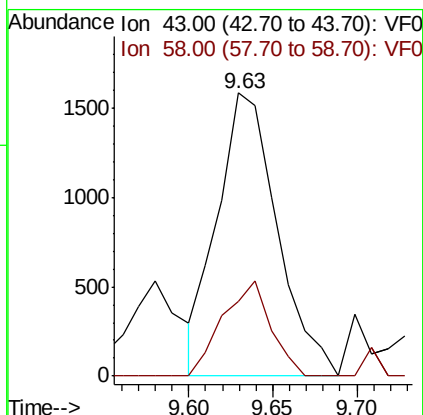
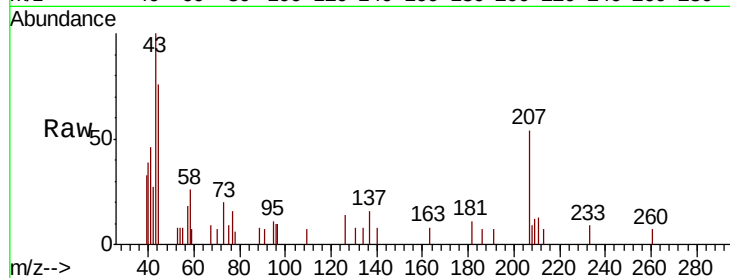




#59
2-Hexanone
Concen: 4.294 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.02 min
Lab File: VF062453.D
Acq: 11 May 2019 11:52

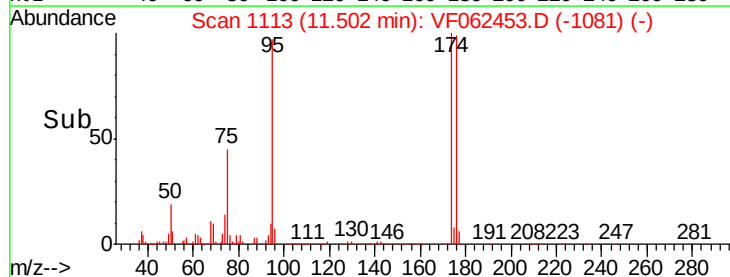
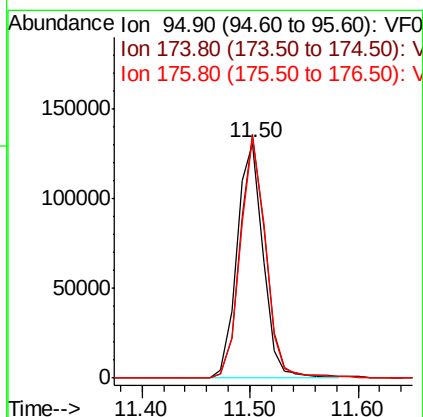
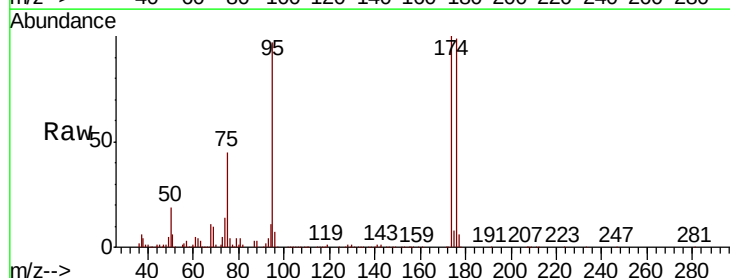
Instrument :
MSVOA_F
ClientSampleId :
VF0511SBL01

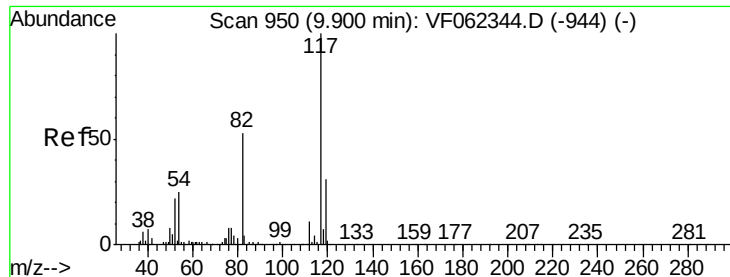
Tot Ion: 43 Resp: 3915
Ion Ratio Lower Upper
43 100
58 27.1 24.3 73.0



#62
4-Bromofluorobenzene
Concen: 57.082 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VF062453.D
Acq: 11 May 2019 11:52

Tgt Ion: 95 Resp: 221145
Ion Ratio Lower Upper
95 100
174 100.2 0.0 191.8
176 98.9 0.0 193.2

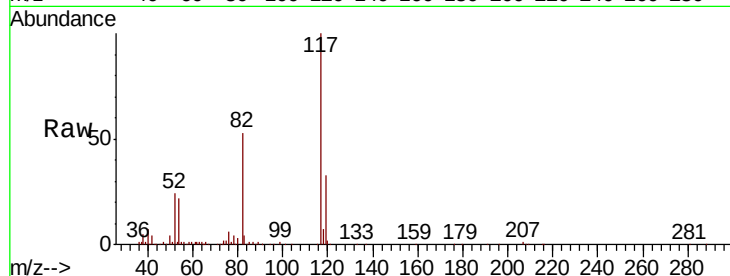




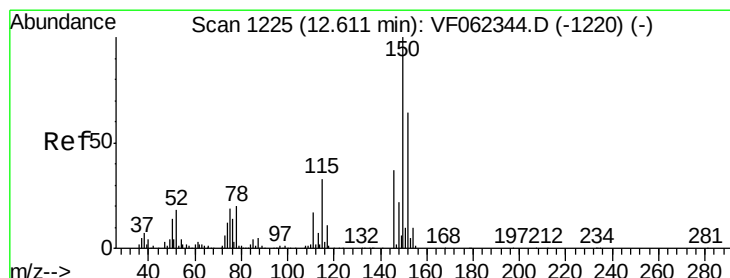
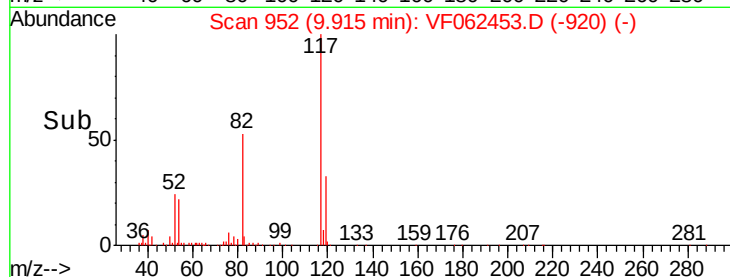
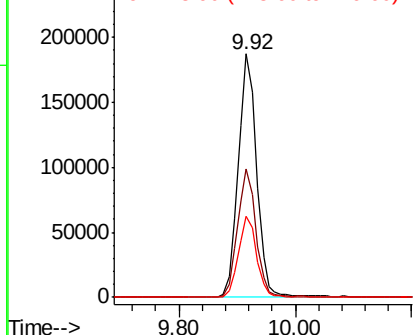
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.02 min
Lab File: VF062453.D
Acq: 11 May 2019 11:52

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBL01

Tot Ion:117 Resp: 411700
Ion Ratio Lower Upper
117 100
82 52.6 42.2 63.2
119 33.0 25.0 37.4

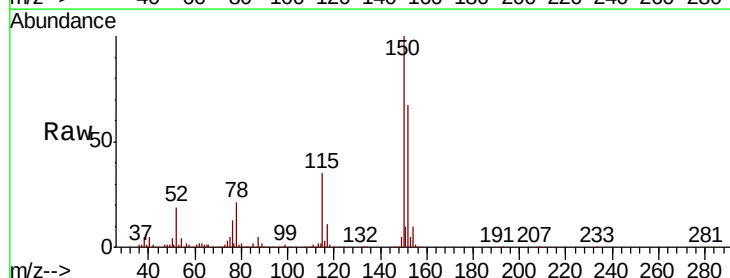


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

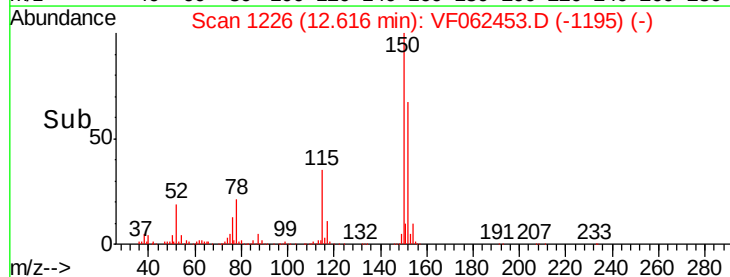
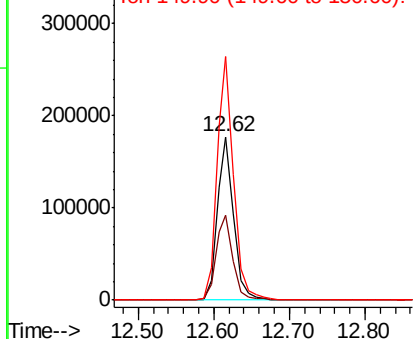


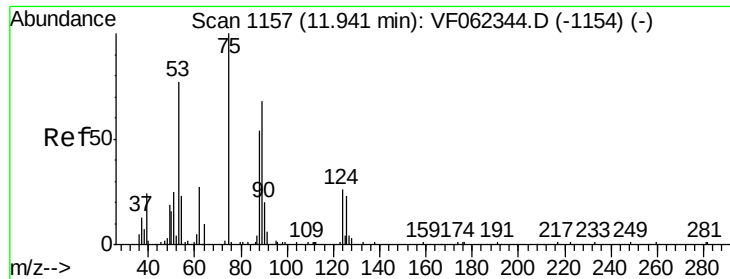
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062453.D
Acq: 11 May 2019 11:52

Tgt Ion:152 Resp: 268175
Ion Ratio Lower Upper
152 100
115 53.5 26.4 79.2
150 151.3 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: 1.241 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.02 min

Lab File: VF062453.D

Acq: 11 May 2019 11:52

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBL01

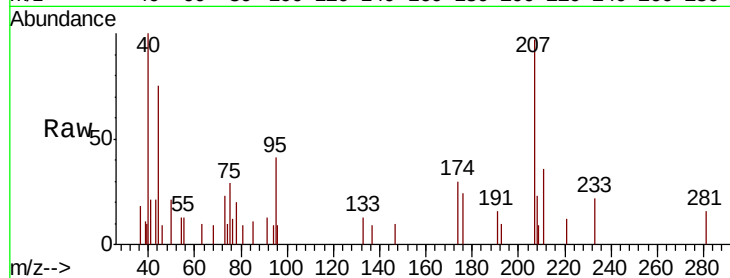
Tot Ion: 75 Resp: 886

Ion Ratio Lower Upper

75 100

53 0.0 71.9 107.9#

89 42.6 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

