

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF050919\
 Data File : VF062404.D
 Acq On : 9 May 2019 19:10
 Operator : FY/SY
 Sample : K2641-07
 Misc : 6.01g/5mL/MSVOA_F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-02-050719-D

Quant Time: May 10 01:54:36 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	5.05	168	291457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	313938	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	102313	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	152320	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	200329	72.73	ug/l	0.00
Spiked Amount			Recovery	=	145.46%	
35) Dibromofluoromethane	4.30	113	233547	93.38	ug/l	0.00
Spiked Amount			Recovery	=	186.76%	
50) Toluene-d8	7.70	98	42340	6.99	ug/l	0.00
Spiked Amount			Recovery	=	13.98%	
62) 4-Bromofluorobenzene	11.48	95	150206	54.99	ug/l	0.00
Spiked Amount			Recovery	=	109.98%	

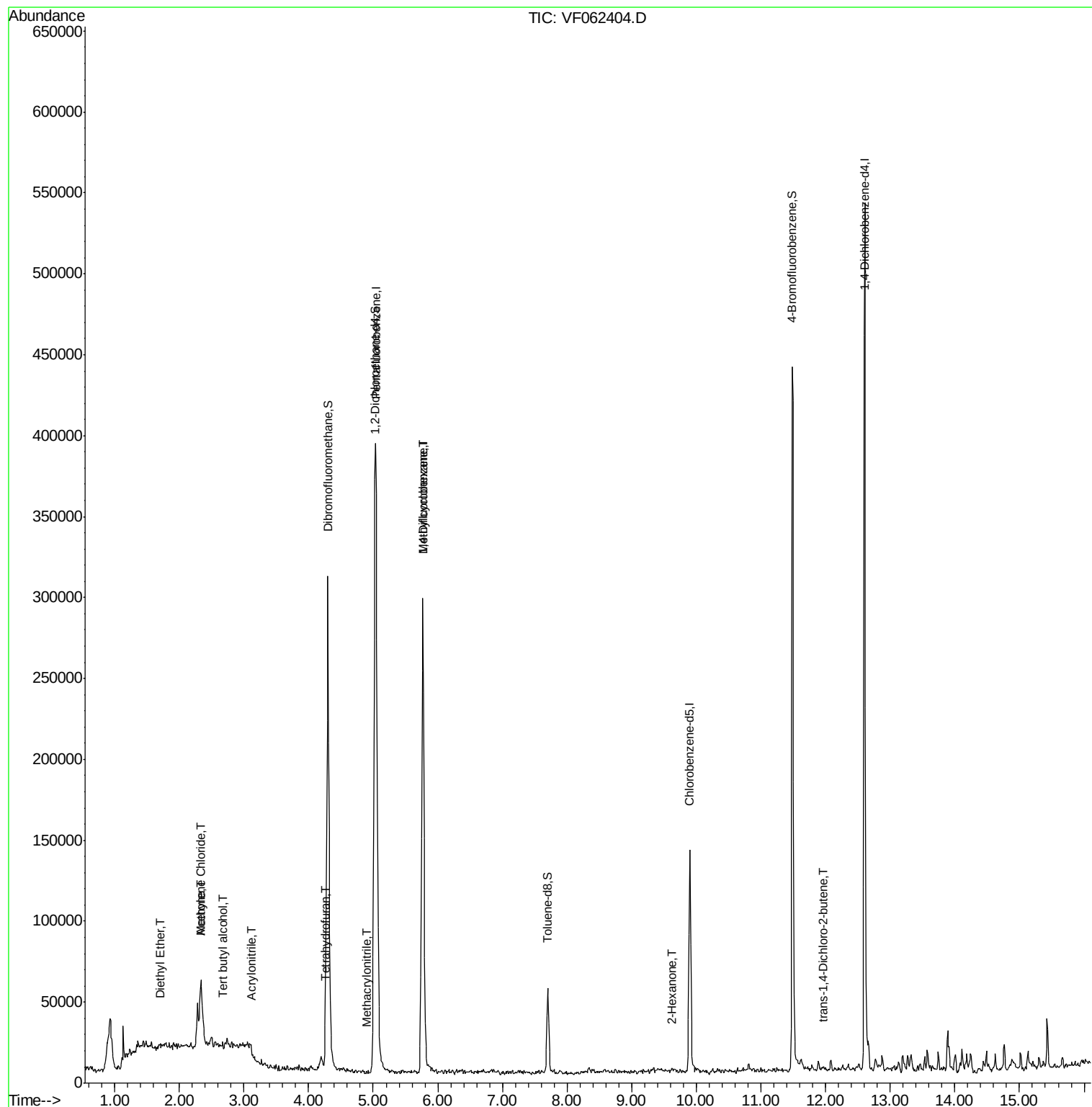
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.39	94	709	Below Cal	#	28
8) Diethyl Ether	1.71	74	1183	1.698	ug/l	92
11) Tert butyl alcohol	2.68	59	1421	9.128	ug/l #	1
13) Acrolein	2.13	56	696	Below Cal	#	25
15) Acrylonitrile	3.12	53	639	2.167	ug/l #	22
16) Acetone	2.34	43	24291	43.595	ug/l	94
18) Methyl Acetate	2.45	43	926	Below Cal	#	14
20) Methylene Chloride	2.35	84	18048	8.953	ug/l #	78
29) Tetrahydrofuran	4.25	42	519	1.613	ug/l #	62
37) Ethyl Acetate	4.28	43	1268	Below Cal	#	73
38) Carbon Tetrachloride	4.19	117	153	Below Cal	#	77
39) Methylcyclohexane	5.77	83	4752	1.757	ug/l #	49
41) Methacrylonitrile	4.91	41	721	1.115	ug/l #	47
49) 1,4-Dioxane	6.82	88	64	Below Cal	#	1
59) 2-Hexanone	9.62	43	972	1.512	ug/l	88
81) trans-1,4-Dichloro-2-buten	11.96	75	433	1.068	ug/l #	5

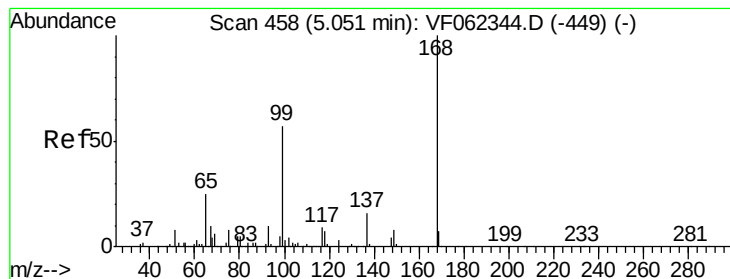
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF050919\
Data File : VF062404.D
Acq On : 9 May 2019 19:10
Operator : FY/SY
Sample : K2641-07
Misc : 6.01g/5mL/MSVOA_F/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
CL-02-050719-D

Quant Time: May 10 01:54:36 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: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF062404.D

Acq: 9 May 2019 19:10

Instrument :

MSVOA_F

ClientSampleId :

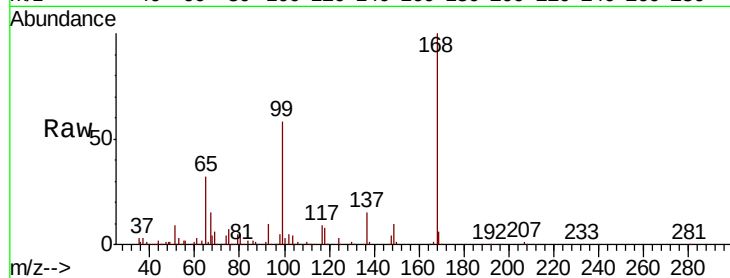
CL-02-050719-D

Tgt Ion: 168 Resp: 291457

Ion Ratio Lower Upper

168 100

99 58.0 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.05

100000

80000

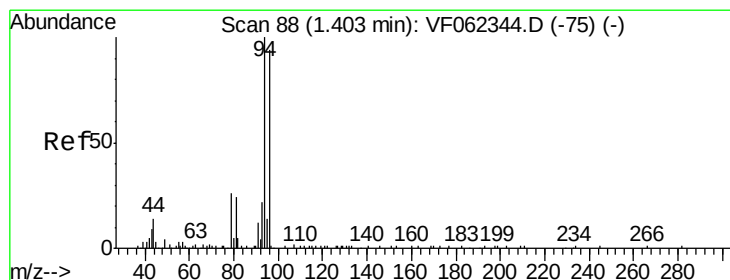
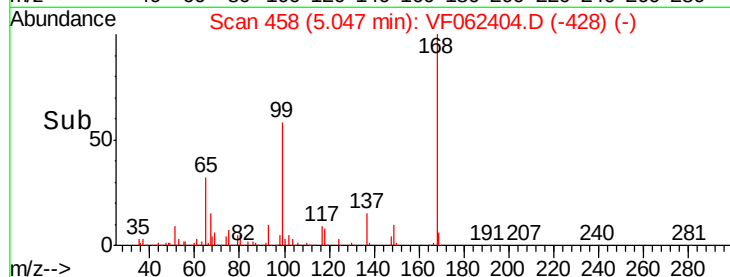
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062404.D

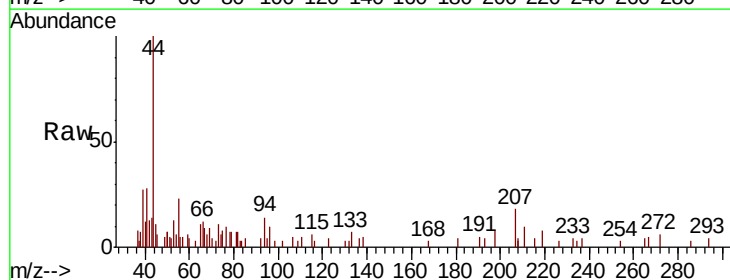
Acq: 9 May 2019 19:10

Tgt Ion: 94 Resp: 709

Ion Ratio Lower Upper

94 100

96 24.4 75.4 113.2#



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

1.39

500

400

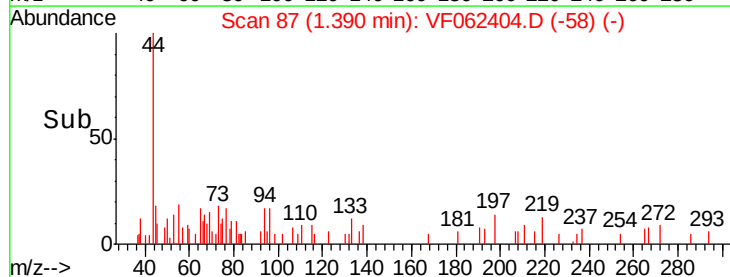
300

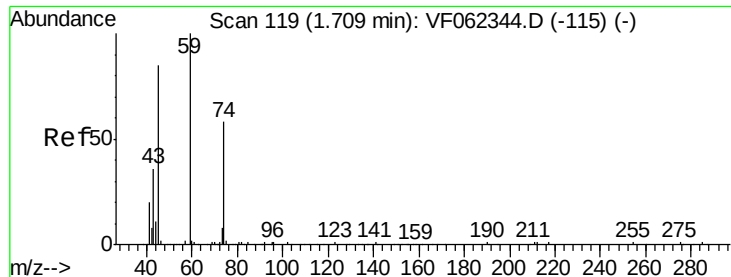
200

100

0

Time-->





#8

Diethyl Ether

Concen: 1.698 ug/l

RT: 1.71 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF062404.D

Acq: 9 May 2019 19:10

Instrument :

MSVOA_F

ClientSampleId :

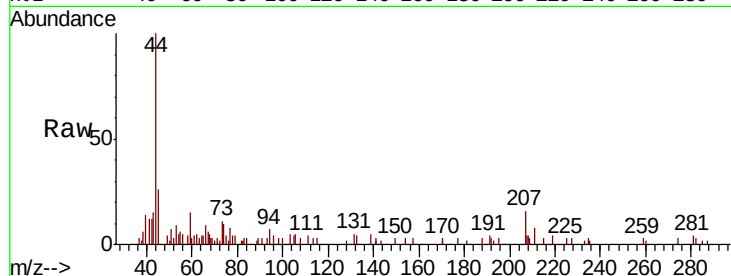
CL-02-050719-D

Tgt Ion: 74 Resp: 1183

Ion Ratio Lower Upper

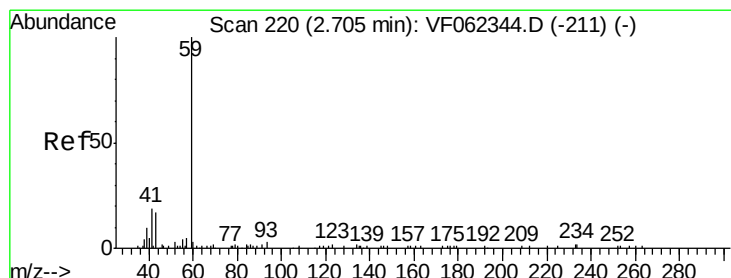
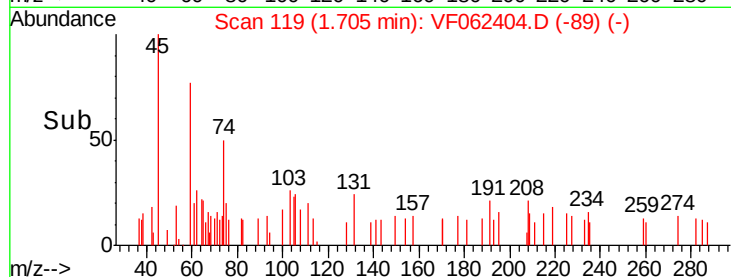
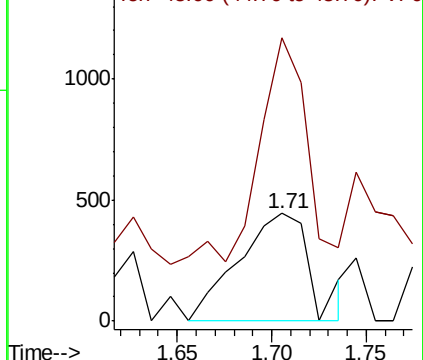
74 100

45 137.0 73.9 221.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#11

Tert butyl alcohol

Concen: 9.128 ug/l

RT: 2.68 min Scan# 218

Delta R.T. -0.02 min

Lab File: VF062404.D

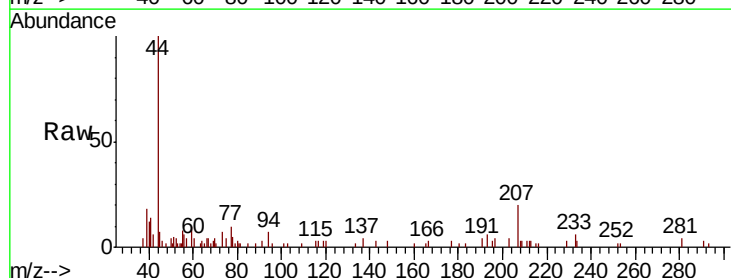
Acq: 9 May 2019 19:10

Tgt Ion: 59 Resp: 1421

Ion Ratio Lower Upper

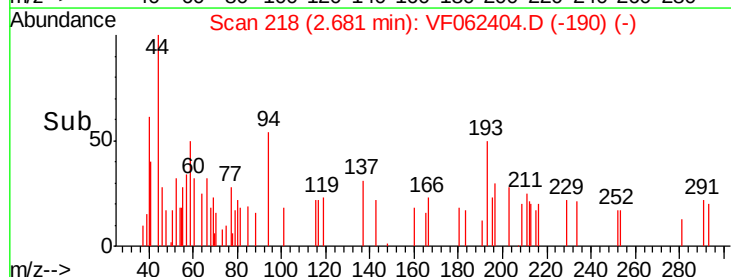
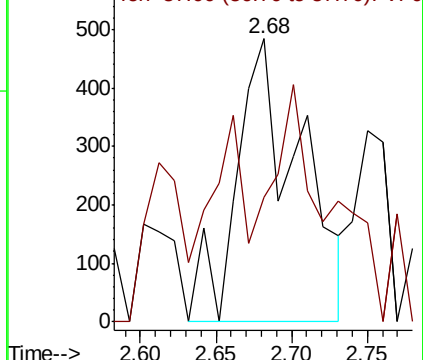
59 100

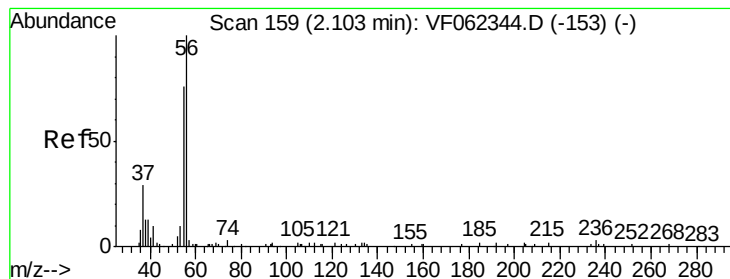
57 83.7 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: Below Cal

RT: 2.13 min Scan# 162

Delta R.T. 0.03 min

Lab File: VF062404.D

Acq: 9 May 2019 19:10

Instrument :

MSVOA_F

ClientSampleId :

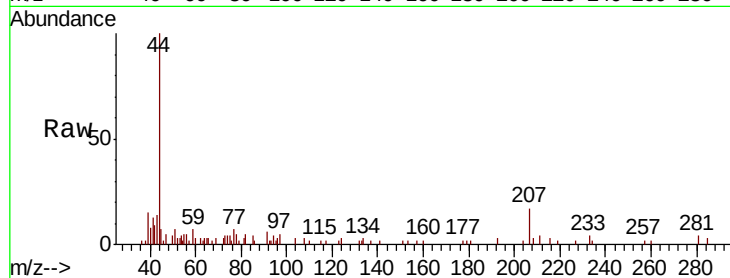
CL-02-050719-D

Tgt Ion: 56 Resp: 696

Ion Ratio Lower Upper

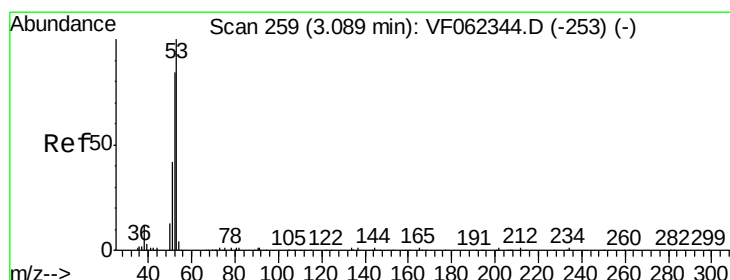
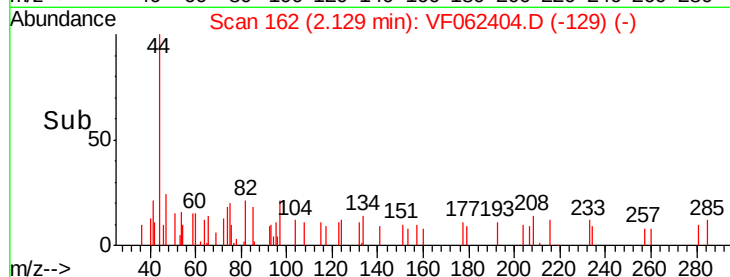
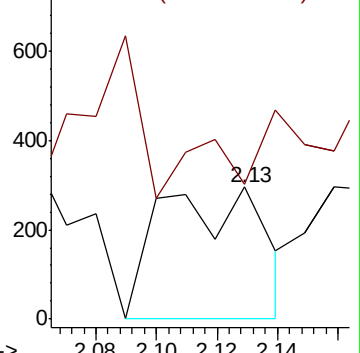
56 100

55 9.8 58.4 87.6#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#15

Acrylonitrile

Concen: 2.167 ug/l

RT: 3.12 min Scan# 262

Delta R.T. 0.03 min

Lab File: VF062404.D

Acq: 9 May 2019 19:10

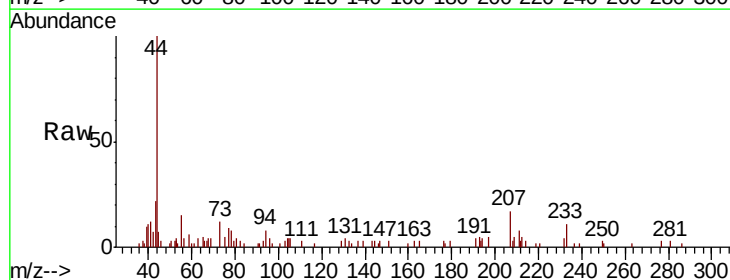
Tgt Ion: 53 Resp: 639

Ion Ratio Lower Upper

53 100

52 59.8 77.2 115.8#

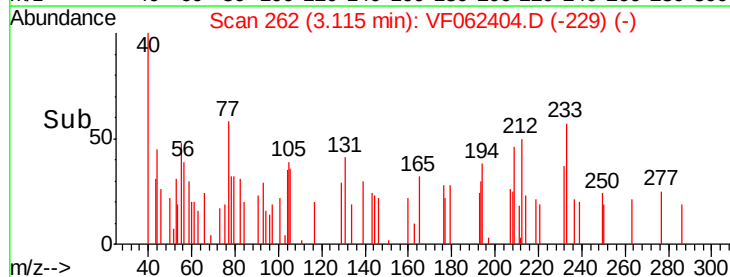
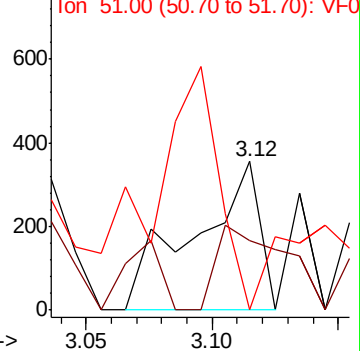
51 159.2 40.6 61.0#

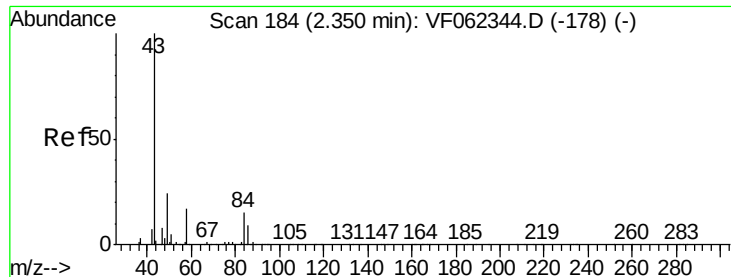


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

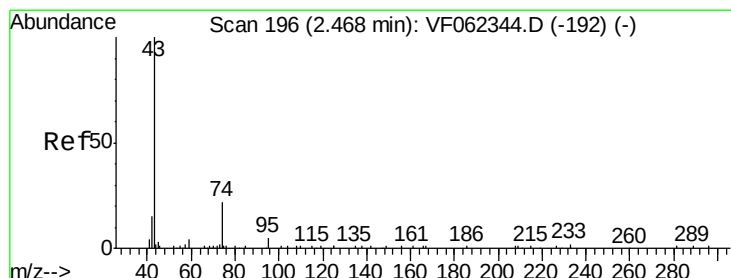
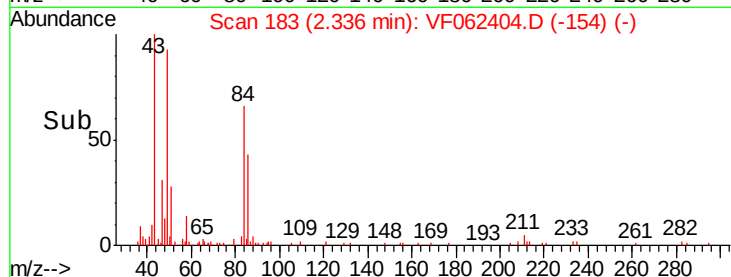
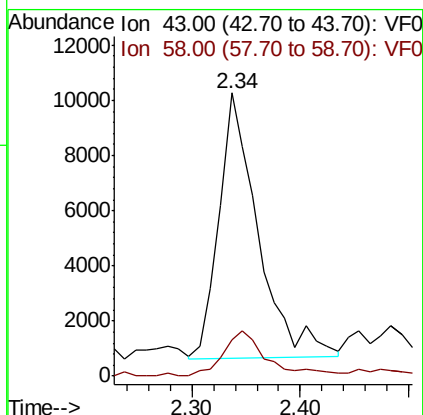
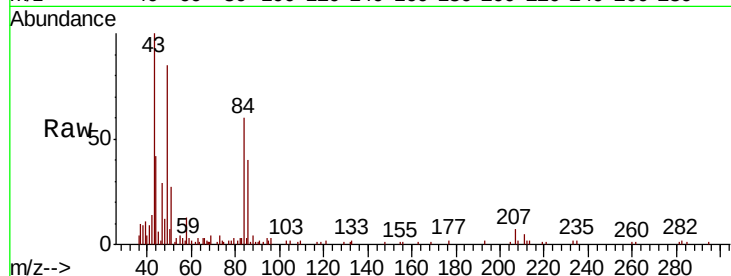




#16
Acetone
Concen: 43.595 ug/l
RT: 2.34 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF062404.D
Acq: 9 May 2019 19:10

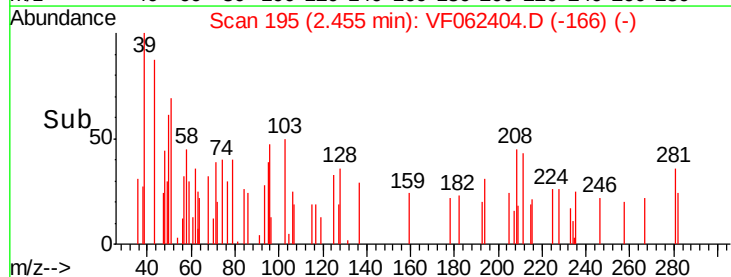
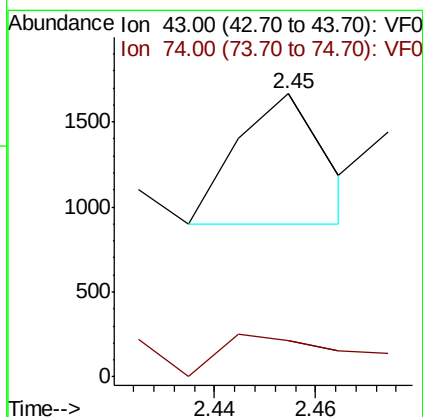
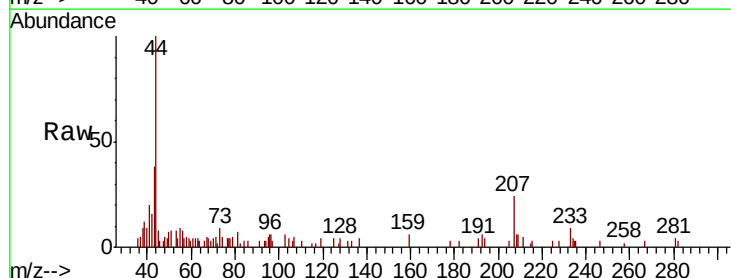
Instrument :
MSVOA_F
ClientSampleId :
CL-02-050719-D

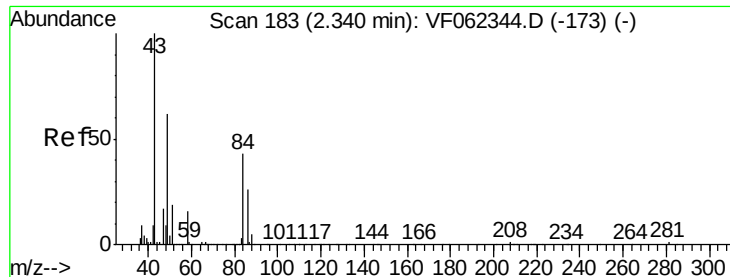
Tgt Ion: 43 Resp: 24291
Ion Ratio Lower Upper
43 100
58 14.0 13.1 19.7



#18
Methyl Acetate
Concen: Below Cal
RT: 2.45 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF062404.D
Acq: 9 May 2019 19:10

Tgt Ion: 43 Resp: 926
Ion Ratio Lower Upper
43 100
74 57.5 15.0 22.4#

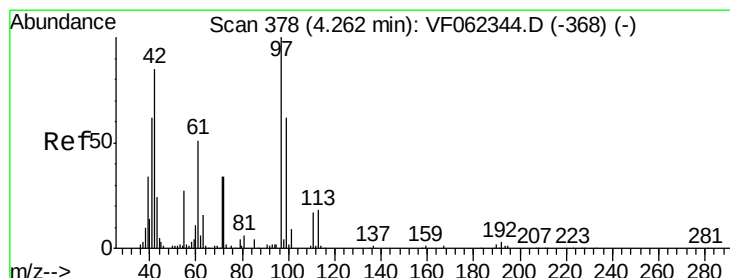
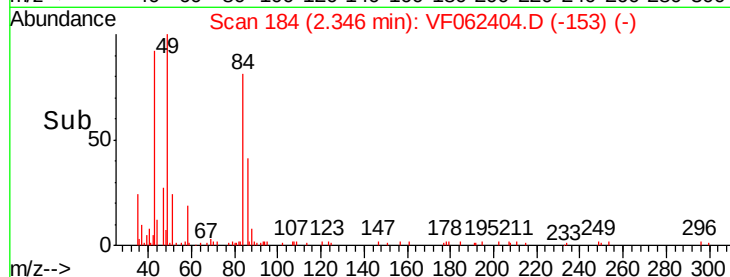
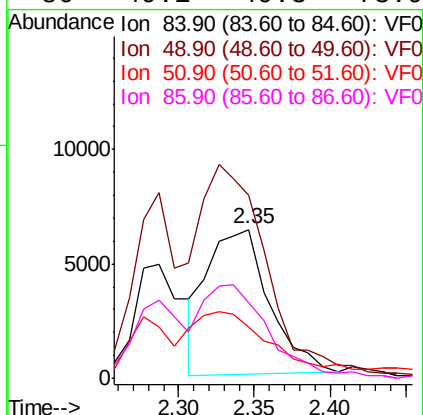
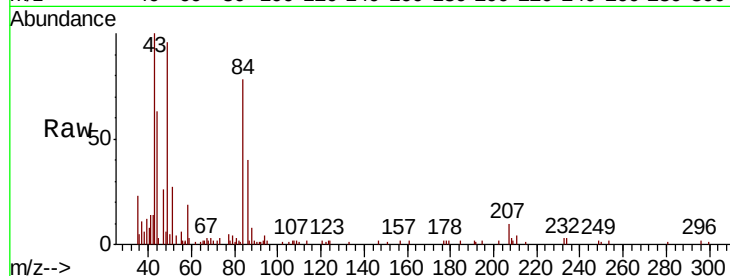




#20
Methylene Chloride
Concen: 8.953 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062404.D
Acq: 9 May 2019 19:10

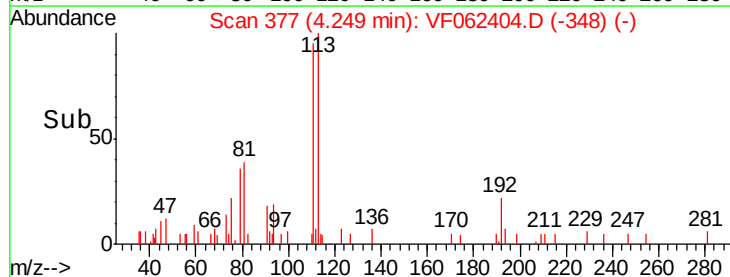
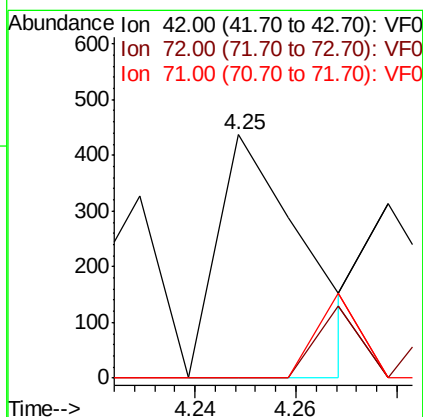
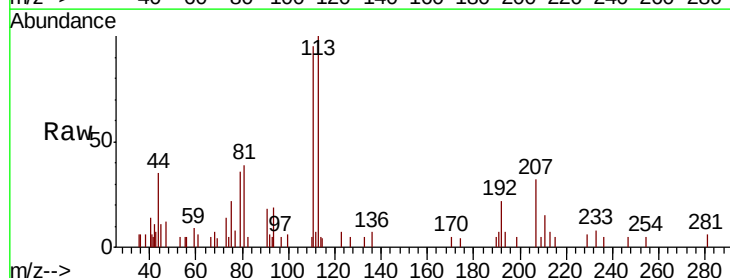
Instrument :
MSVOA_F
ClientSampleId :
CL-02-050719-D

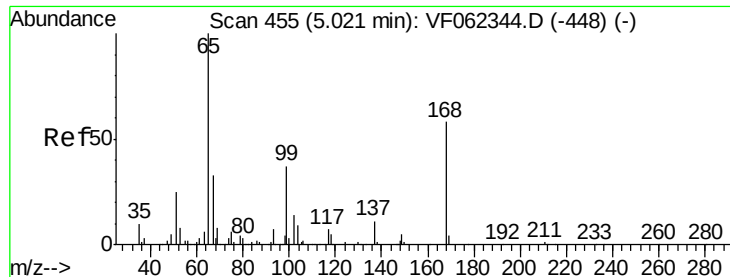
Tgt Ion: 84 Resp: 18048
Ion Ratio Lower Upper
84 100
49 119.4 117.5 176.3
51 25.8 37.0 55.4#
86 49.1 49.3 73.9#



#29
Tetrahydrofuran
Concen: 1.613 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF062404.D
Acq: 9 May 2019 19:10

Tgt Ion: 42 Resp: 519
Ion Ratio Lower Upper
42 100
72 14.6 31.4 47.0#
71 17.3 31.7 47.5#

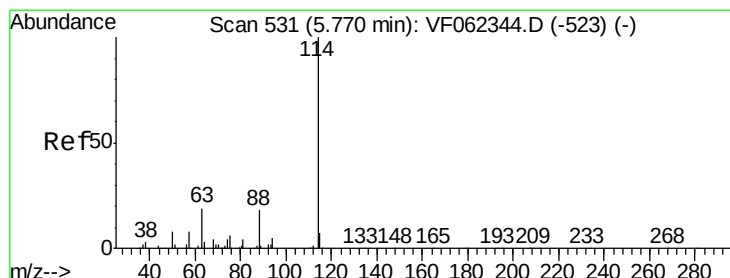
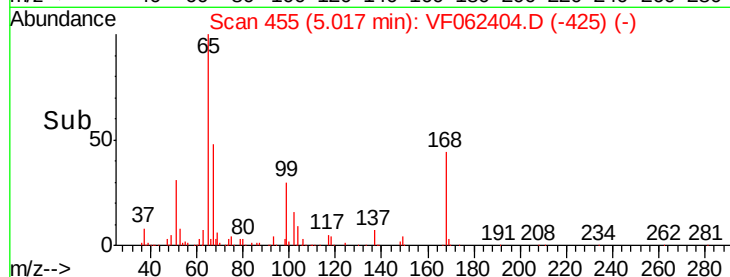
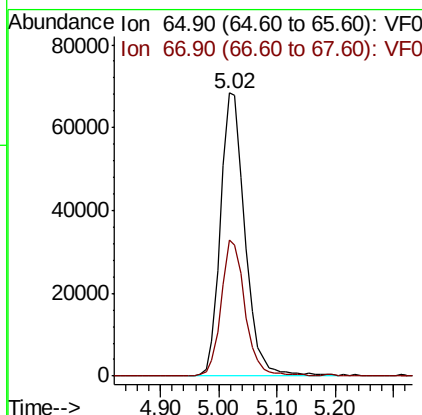
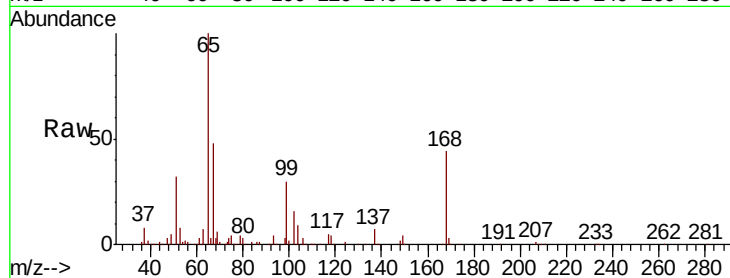




#33
 1,2-Dichloroethane-d4
 Concen: 72.731 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF062404.D
 Acq: 9 May 2019 19:10

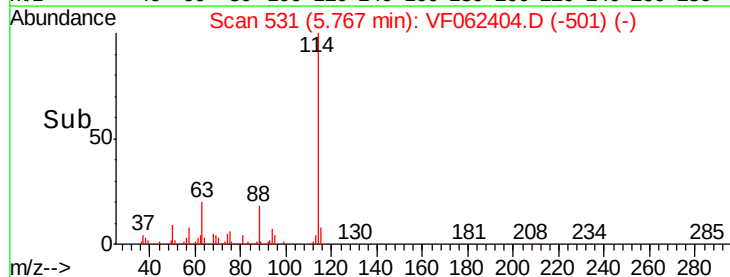
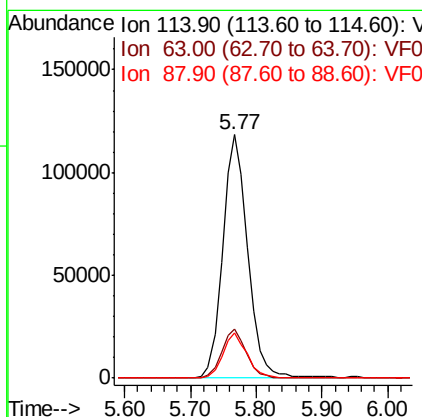
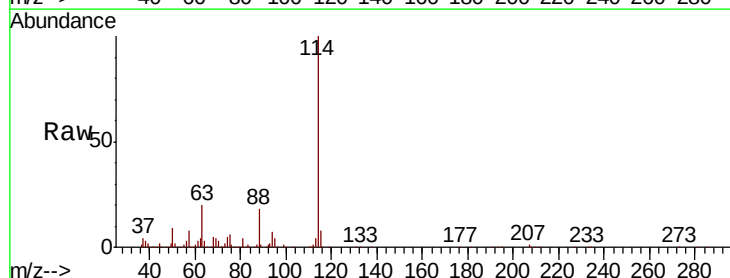
Instrument :
 MSVOA_F
 ClientSampleId :
 CL-02-050719-D

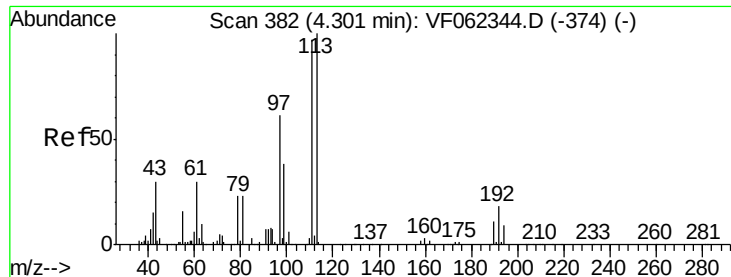
Tgt Ion: 65 Resp: 200329
 Ion Ratio Lower Upper
 65 100
 67 46.6 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF062404.D
 Acq: 9 May 2019 19:10

Tgt Ion: 114 Resp: 313938
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 37.4
 88 18.5 0.0 36.4

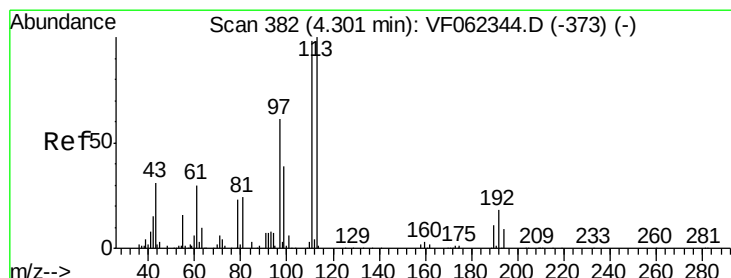
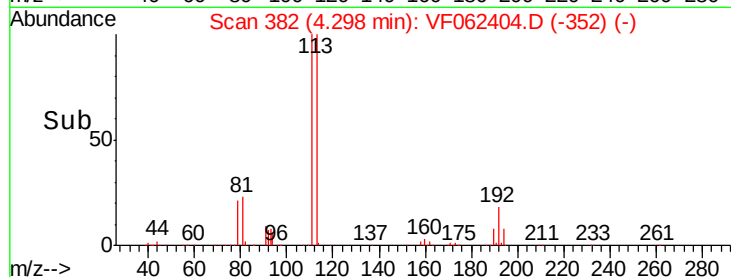
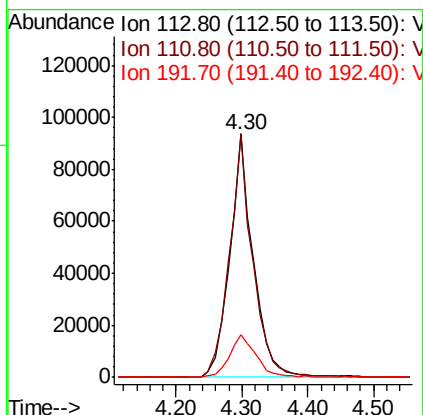
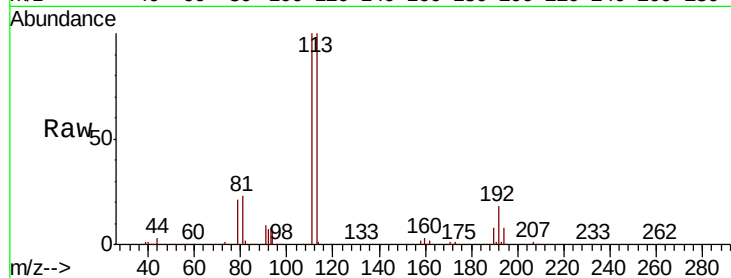




#35
 Dibromofluoromethane
 Concen: 93.378 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VF062404.D
 Acq: 9 May 2019 19:10

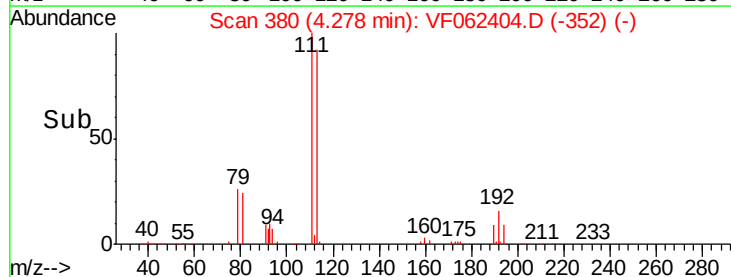
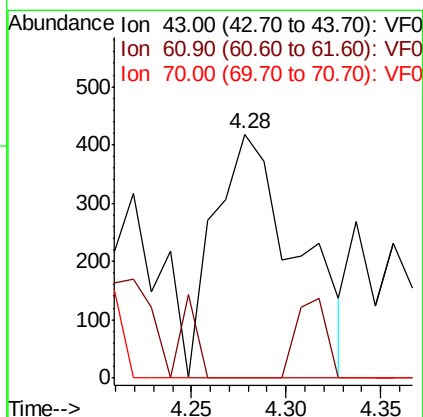
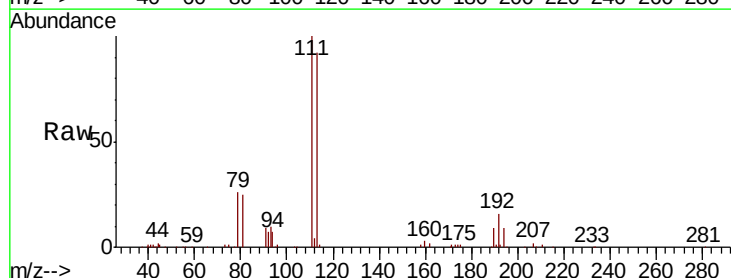
Instrument :
 MSVOA_F
 ClientSampleId :
 CL-02-050719-D

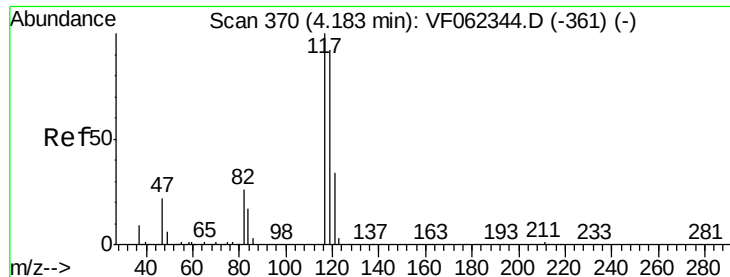
Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.3	79.4	119.0
192	19.9	16.0	24.0



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.28 min Scan# 380
 Delta R.T. -0.02 min
 Lab File: VF062404.D
 Acq: 9 May 2019 19:10

Tgt 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: 4.19 min Scan# 371

Delta R.T. 0.01 min

Lab File: VF062404.D

Acq: 9 May 2019 19:10

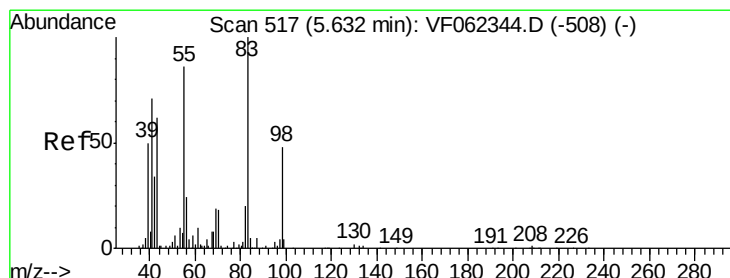
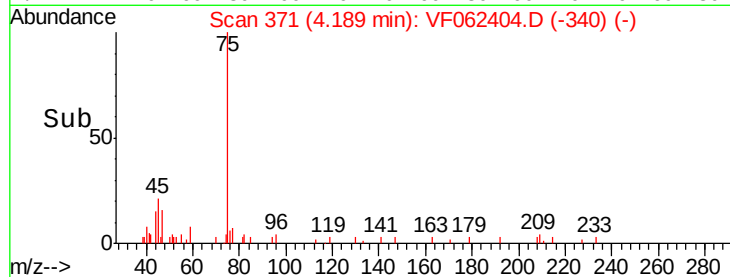
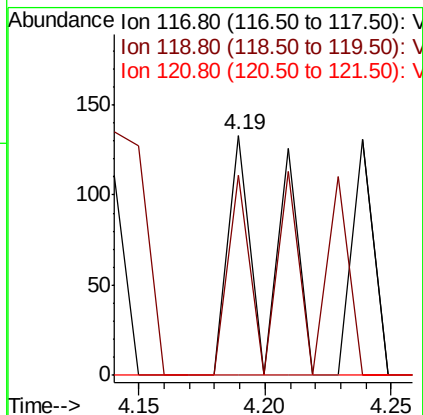
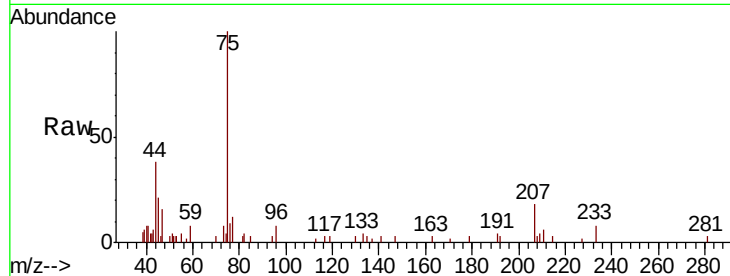
Instrument :

MSVOA_F

ClientSampleId :

CL-02-050719-D

Tgt Ion:	117	Resp:	153
Ion	Ratio	Lower	Upper
117	100		
119	83.5	73.4	110.2
121	0.0	27.4	41.0#



#39

Methylcyclohexane

Concen: 1.757 ug/l

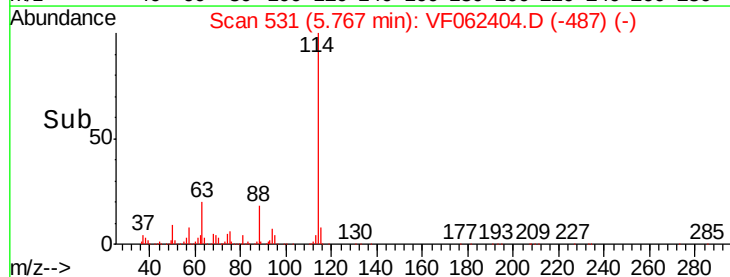
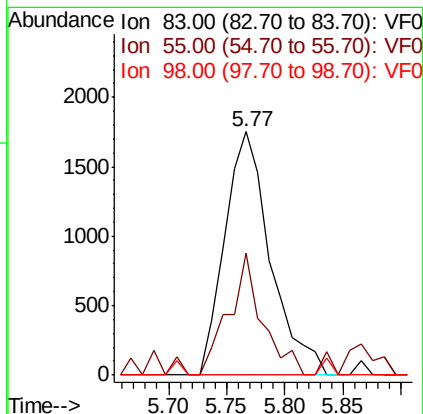
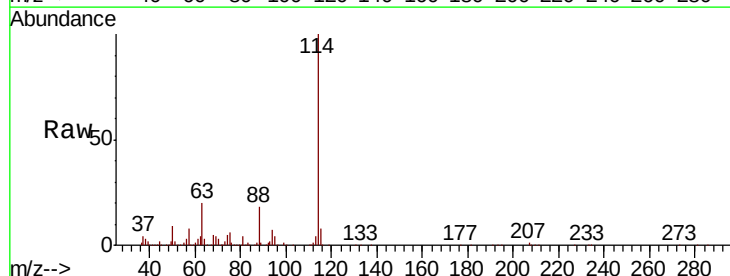
RT: 5.77 min Scan# 531

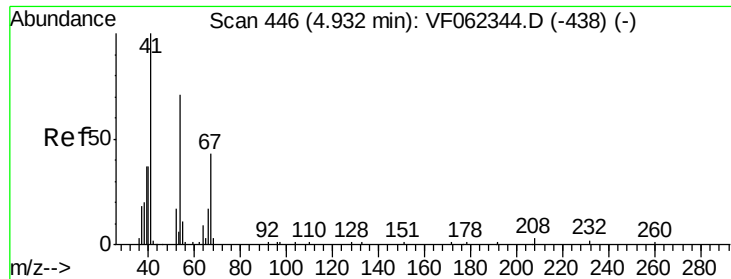
Delta R.T. 0.13 min

Lab File: VF062404.D

Acq: 9 May 2019 19:10

Tgt Ion:	83	Resp:	4752
Ion	Ratio	Lower	Upper
83	100		
55	50.2	69.0	103.6#
98	0.0	38.6	58.0#

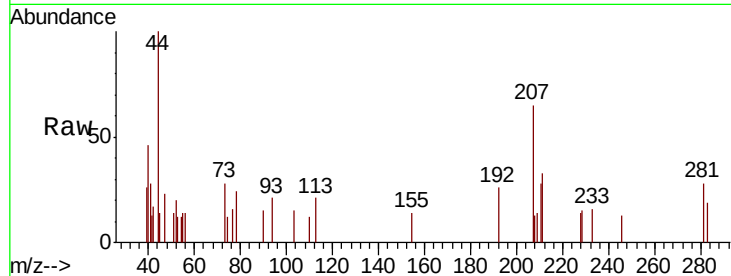




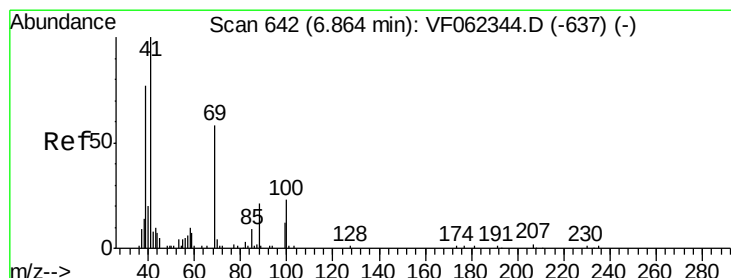
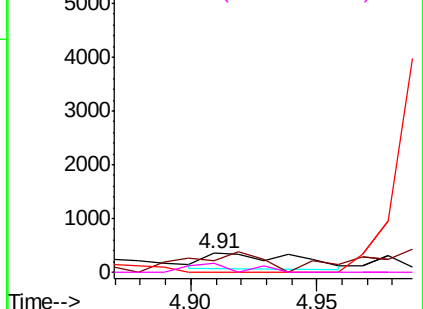
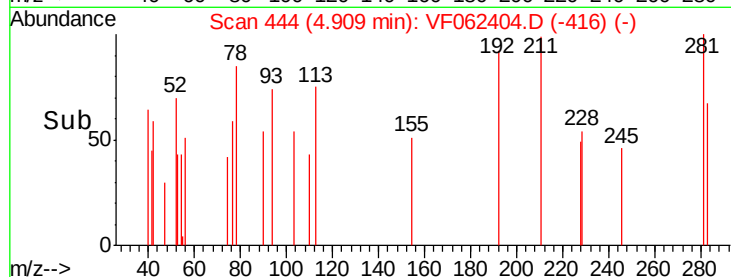
#41
Methacrylonitrile
Concen: 1.115 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.02 min
Lab File: VF062404.D
Acq: 9 May 2019 19:10

Instrument :
MSVOA_F
ClientSampleId :
CL-02-050719-D

Tgt Ion: 41 Resp: 721
Ion Ratio Lower Upper
41 100
39 107.1 54.3 81.5#
67 0.0 37.8 56.8#
52 35.0 58.2 87.4#

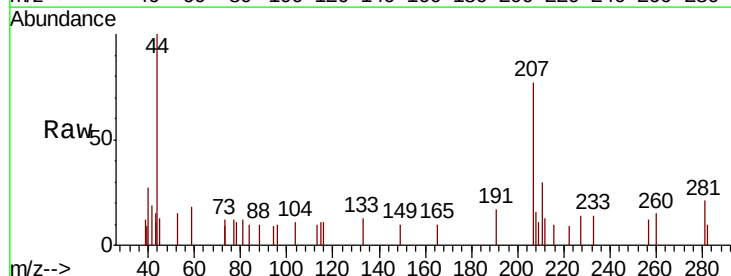


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

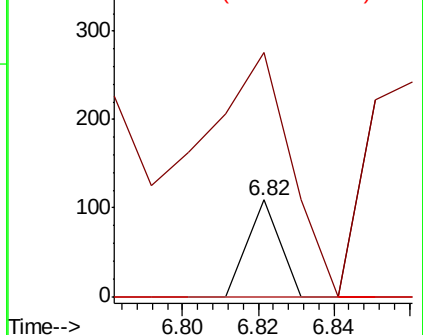
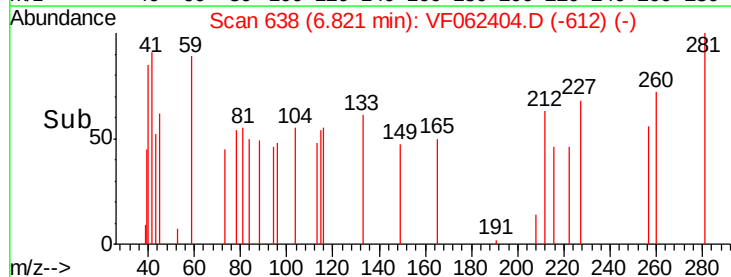


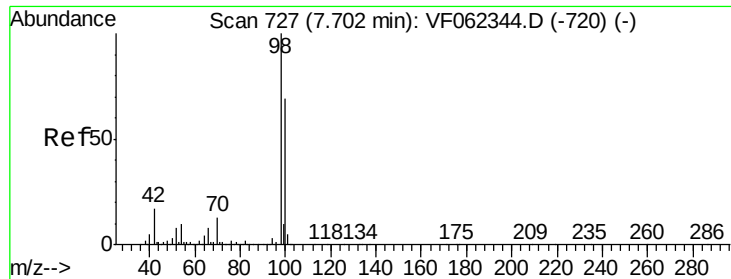
#49
1,4-Dioxane
Concen: Below Cal
RT: 6.82 min Scan# 638
Delta R.T. -0.04 min
Lab File: VF062404.D
Acq: 9 May 2019 19:10

Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 698.4 55.6 83.4#
58 0.0 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

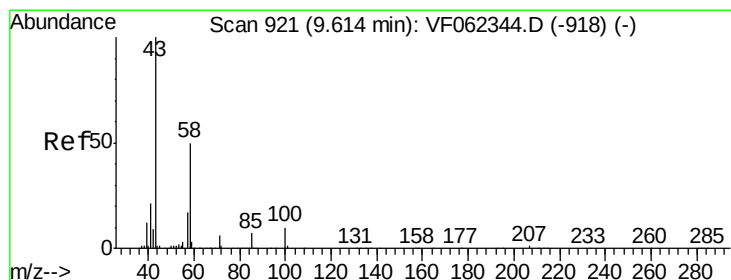
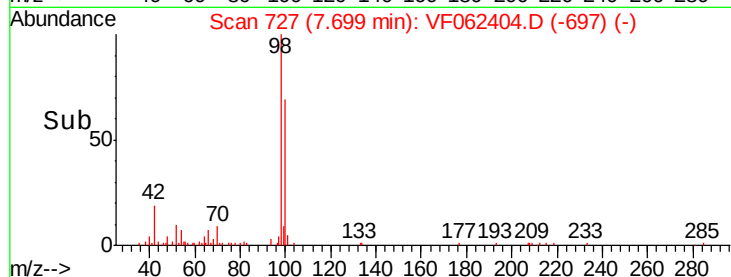
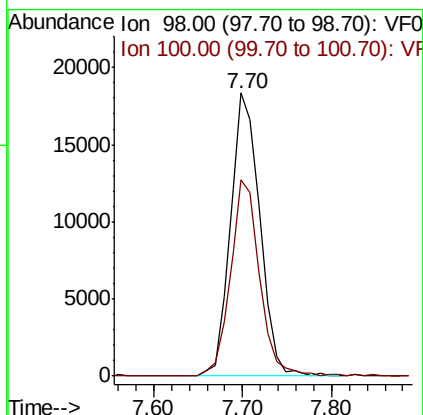
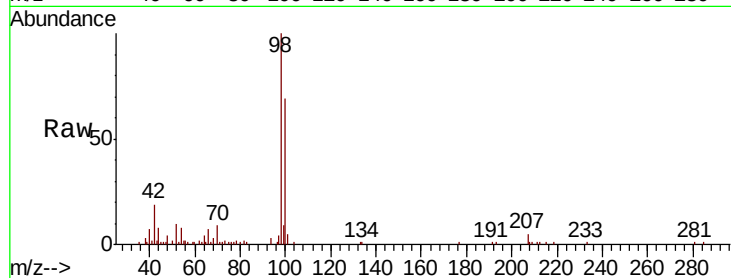




#50
Toluene-d8
Concen: 6.993 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF062404.D
Acq: 9 May 2019 19:10

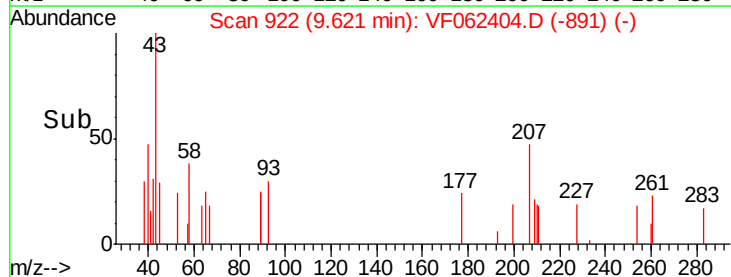
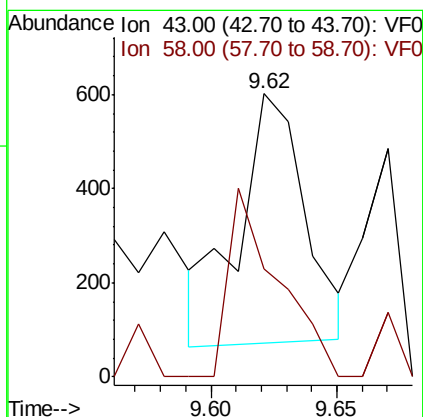
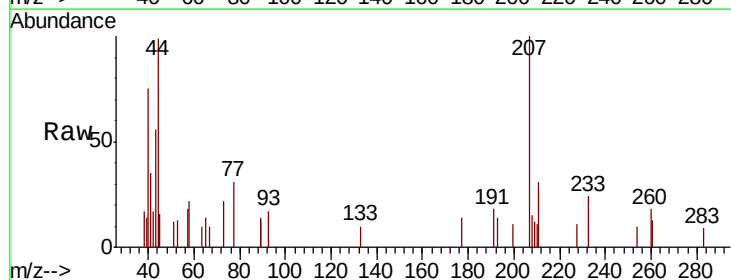
Instrument :
MSVOA_F
ClientSampleId :
CL-02-050719-D

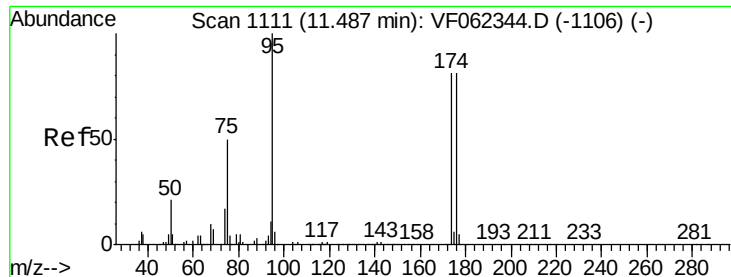
Tgt Ion: 98 Resp: 42340
Ion Ratio Lower Upper
98 100
100 68.5 53.3 79.9



#59
2-Hexanone
Concen: 1.512 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.01 min
Lab File: VF062404.D
Acq: 9 May 2019 19:10

Tgt Ion: 43 Resp: 972
Ion Ratio Lower Upper
43 100
58 56.6 24.3 73.0





#62

4-Bromofluorobenzene

Concen: 54.991 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF062404.D

Acq: 9 May 2019 19:10

Instrument :

MSVOA_F

ClientSampleId :

CL-02-050719-D

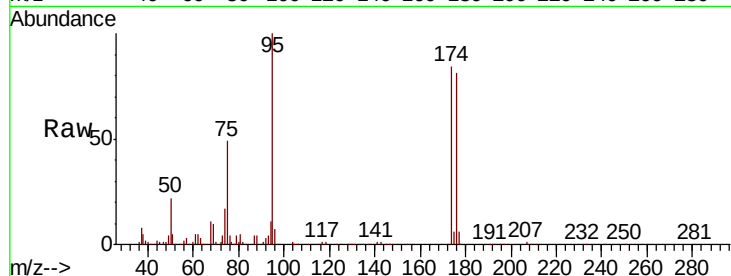
Tgt Ion: 95 Resp: 150206

Ion Ratio Lower Upper

95 100

174 97.1 0.0 191.8

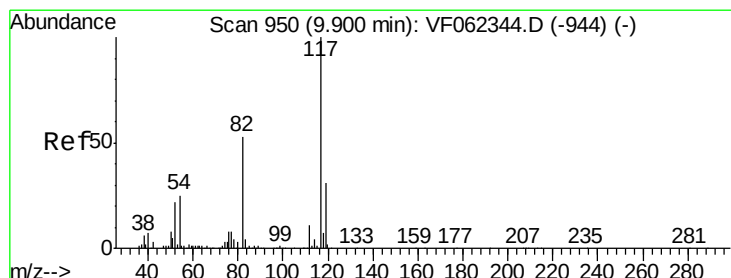
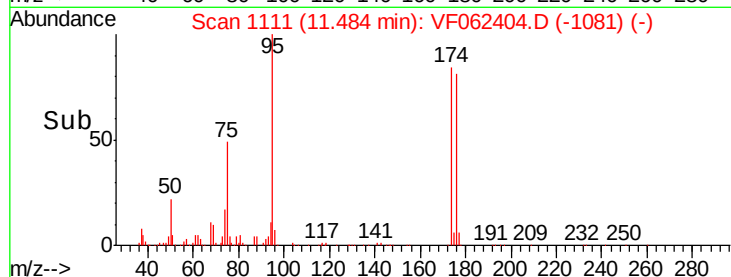
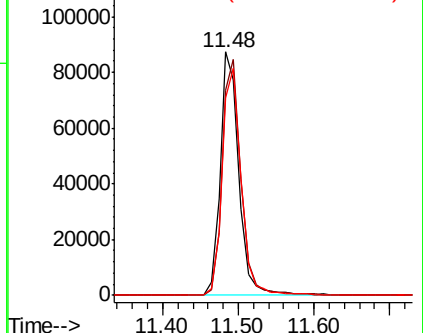
176 95.3 0.0 193.2



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# 951

Delta R.T. 0.01 min

Lab File: VF062404.D

Acq: 9 May 2019 19:10

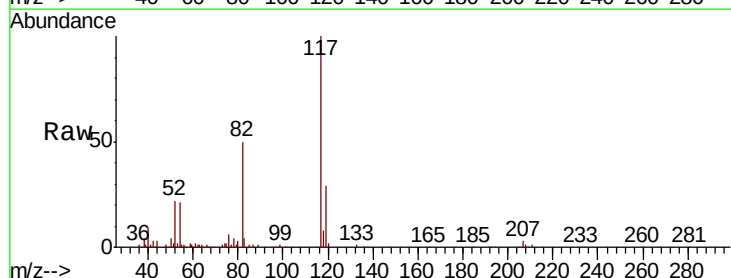
Tgt Ion: 117 Resp: 102313

Ion Ratio Lower Upper

117 100

82 50.2 42.2 63.2

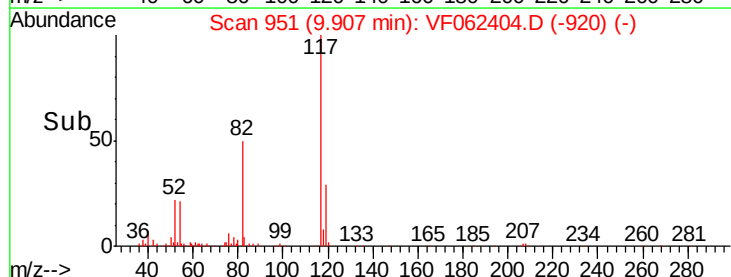
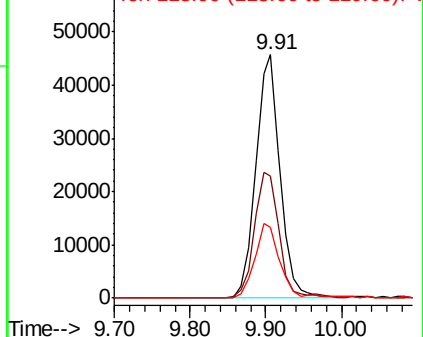
119 29.3 25.0 37.4

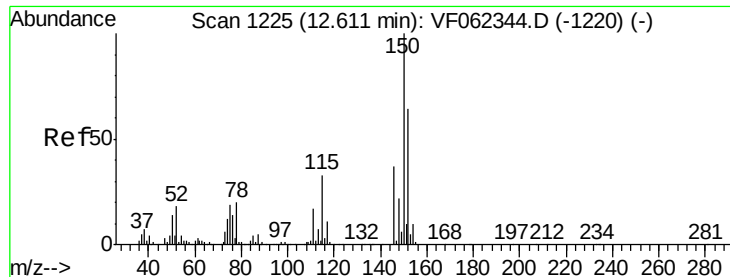


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



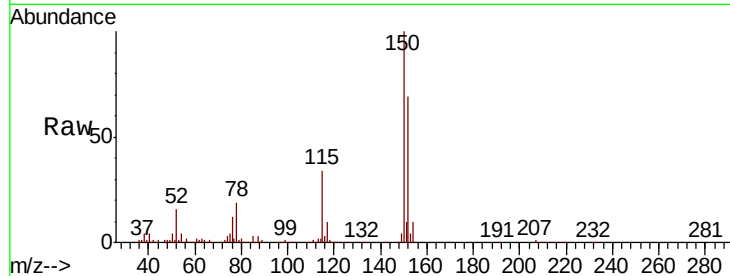


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VF062404.D
Acq: 9 May 2019 19:10

Instrument :
MSVOA_F
ClientSampleId :
CL-02-050719-D

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.8	26.4	79.2
150	150.6	0.0	335.0

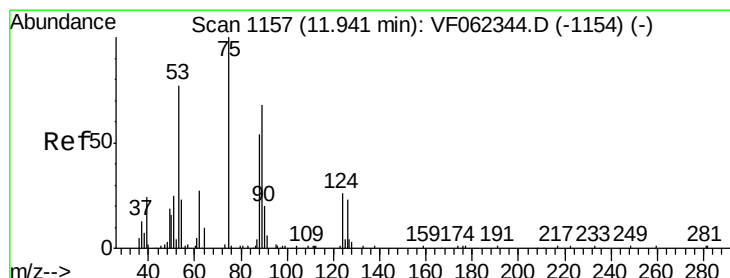
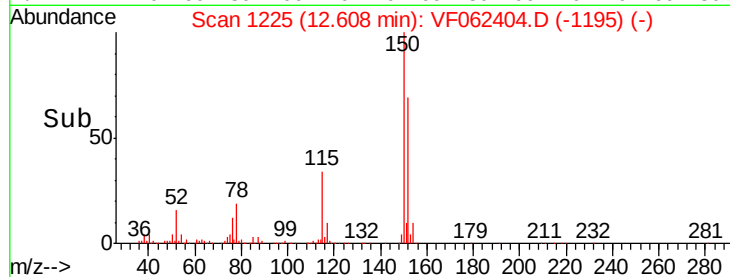
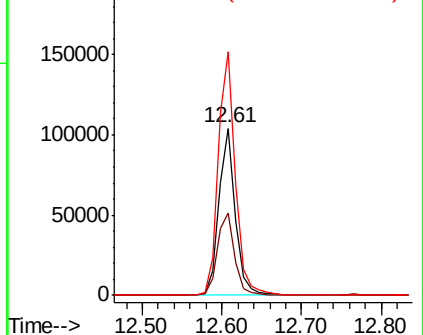


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

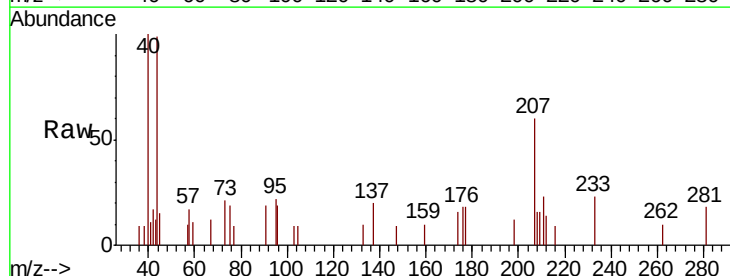
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 1.068 ug/l
RT: 11.96 min Scan# 1159
Delta R.T. 0.02 min
Lab File: VF062404.D
Acq: 9 May 2019 19:10

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	71.9	107.9#
89	13.9	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

