

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
 Data File : VF062450.D
 Acq On : 11 May 2019 6:24
 Operator : FY/SY
 Sample : K2729-02
 Misc : 7.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 B-3

Quant Time: May 11 06:53:31 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	28615	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.78	114	39111	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	39781	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	21769	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	67238	248.64	ug/l	0.02
Spiked Amount			Recovery	=	497.28%	
35) Dibromofluoromethane	4.32	113	36397	116.81	ug/l	0.01
Spiked Amount			Recovery	=	233.62%	
50) Toluene-d8	7.73	98	36313	48.14	ug/l	0.02
Spiked Amount			Recovery	=	96.28%	
62) 4-Bromofluorobenzene	11.50	95	21233	62.40	ug/l	0.01
Spiked Amount			Recovery	=	124.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.15	50	603	2.761	ug/l #	42
5) Bromomethane	1.45	94	957	3.486	ug/l #	11
6) Chloroethane	1.44	64	255	2.328	ug/l #	30
8) Diethyl Ether	1.71	74	594	8.685	ug/l	49
11) Tert butyl alcohol	2.71	59	1019	66.673	ug/l #	1
12) 1,1-Dichloroethene	1.91	96	598	2.726	ug/l #	1
13) Acrolein	2.14	56	772	66.196	ug/l #	12
14) Allyl chloride	2.20	41	1289	6.651	ug/l #	37
15) Acrylonitrile	3.10	53	367	12.677	ug/l #	1
16) Acetone	2.35	43	9324	170.442	ug/l #	62
18) Methyl Acetate	2.48	43	2877	27.424	ug/l #	87
19) Methyl tert-butyl Ether	2.55	73	623	1.376	ug/l #	61
20) Methylene Chloride	2.29	84	4328	21.867	ug/l #	82
21) trans-1,2-Dichloroethene	2.45	96	824	3.942	ug/l #	1
22) Diisopropyl ether	2.97	45	791	1.306	ug/l #	25
23) Vinyl Acetate	3.37	43	1495	5.538	ug/l #	79
24) 1,1-Dichloroethane	3.05	63	709	1.937	ug/l #	86
25) 2-Butanone	4.55	43	885	12.877	ug/l #	60
26) 2,2-Dichloropropane	3.66	77	367	1.795	ug/l	90
27) cis-1,2-Dichloroethene	3.67	96	513	1.963	ug/l	24
29) Tetrahydrofuran	4.30	42	410	12.980	ug/l #	36
37) Ethyl Acetate	4.30	43	257	Below Cal	#	1
38) Carbon Tetrachloride	4.25	117	141	Below Cal	#	14
41) Methacrylonitrile	4.94	41	982	12.190	ug/l #	49
43) Isopropyl Acetate	7.13	43	572	3.743	ug/l #	48
48) Methyl methacrylate	6.90	41	270	2.500	ug/l #	22
49) 1,4-Dioxane	6.64	88	100	77.984	ug/l #	1
51) 4-Methyl-2-Pentanone	8.33	43	237	2.047	ug/l	90
52) Toluene	7.79	92	1003	2.198	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.49	63	63	1.370	ug/l #	42
59) 2-Hexanone	9.77	43	299	3.733	ug/l	71
68) m/p-Xylenes	10.27	106	448	1.053	ug/l	95
74) N-amyl acetate	11.46	43	569	2.054	ug/l #	67
81) trans-1,4-Dichloro-2-buten	11.93	75	131	2.261	ug/l #	5

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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

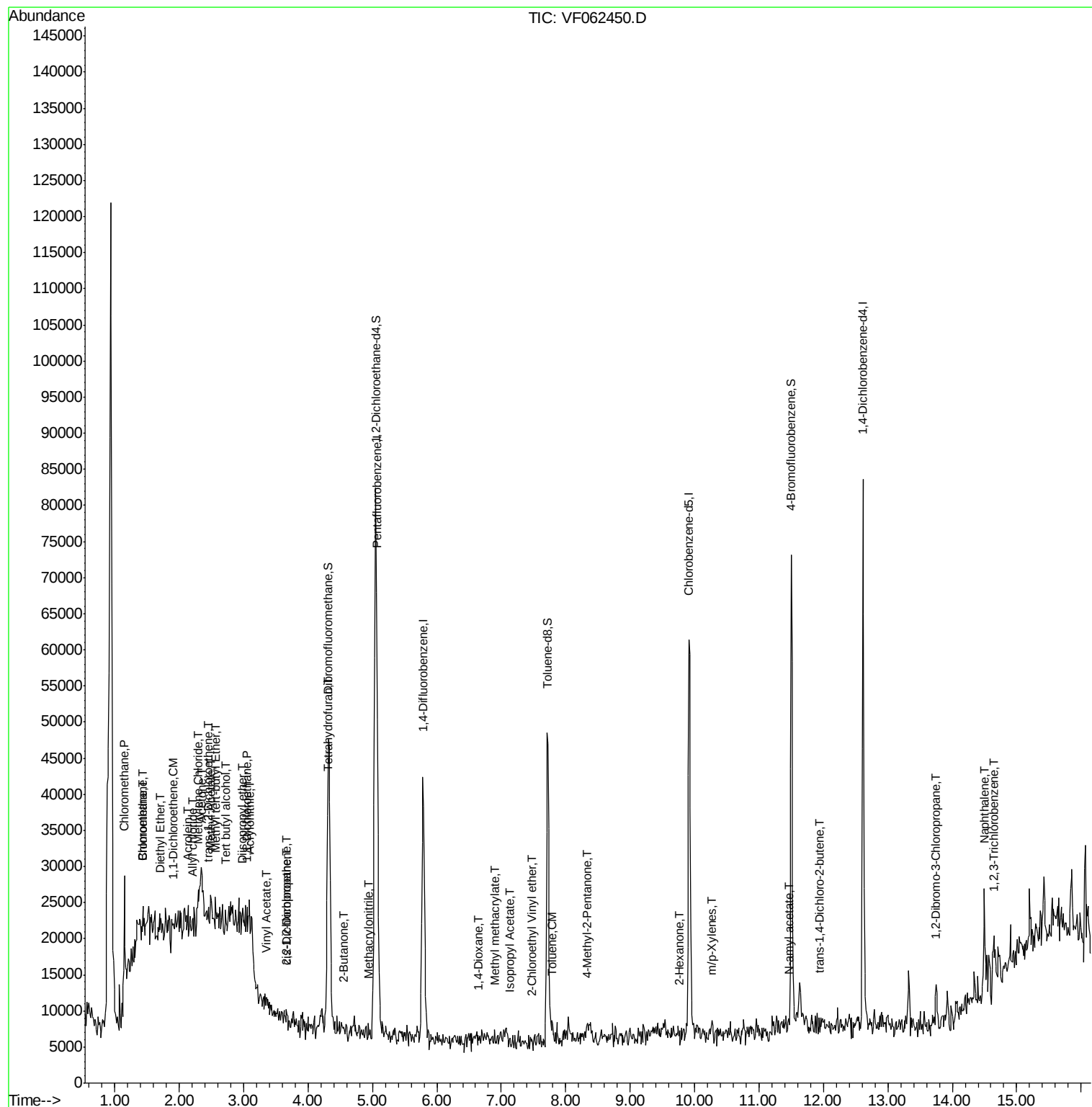
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	13.74	75	98	2.165	ug/l #	1
95) Naphthalene	14.50	128	8654	10.718	ug/l #	96
96) 1,2,3-Trichlorobenzene	14.65	180	528	1.015	ug/l #	28

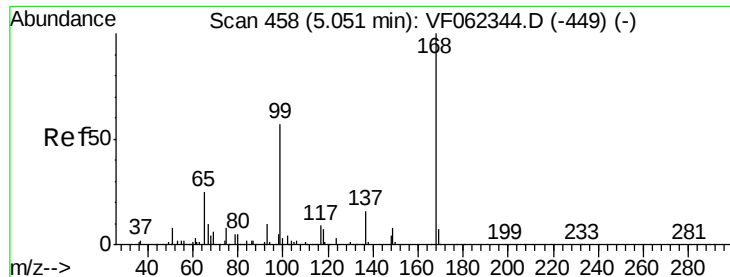
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 461

Delta R.T. 0.02 min

Lab File: VF062450.D

Acq: 11 May 2019 6:24

Instrument :

MSVOA_F

ClientSampleId :

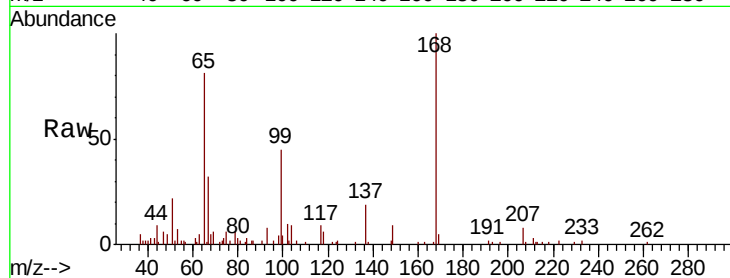
B-3

Tot Ion:168 Resp: 28615

Ion Ratio Lower Upper

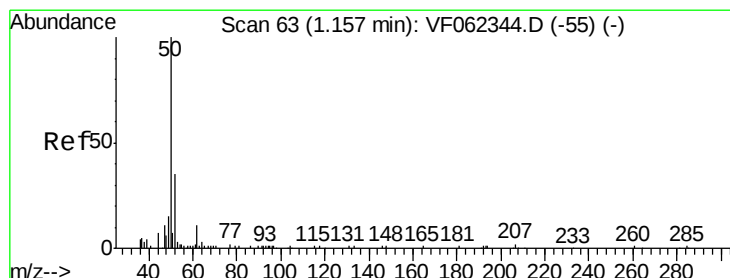
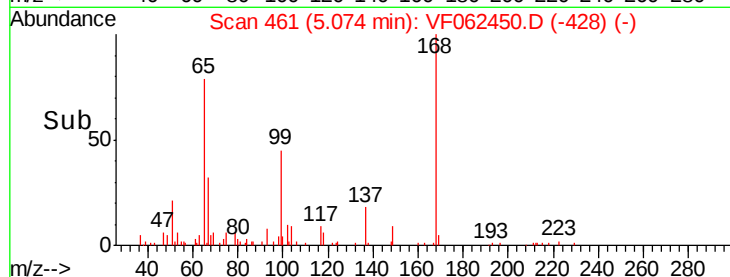
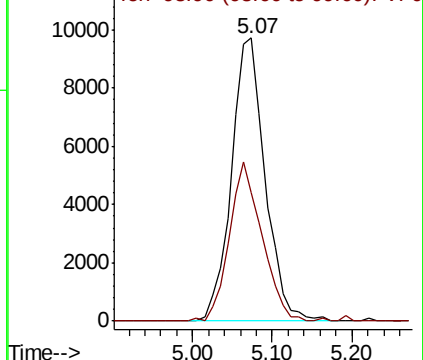
168 100

99 45.3 45.9 68.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0



#3

Chloromethane

Concen: 2.761 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF062450.D

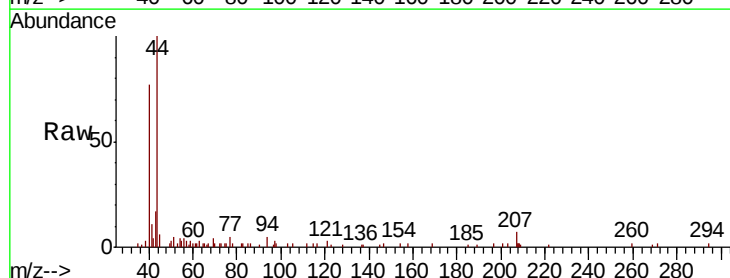
Acq: 11 May 2019 6:24

Tgt Ion: 50 Resp: 603

Ion Ratio Lower Upper

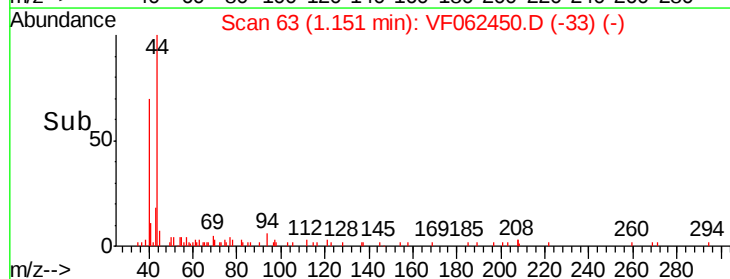
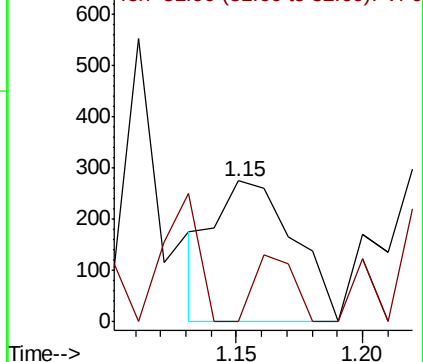
50 100

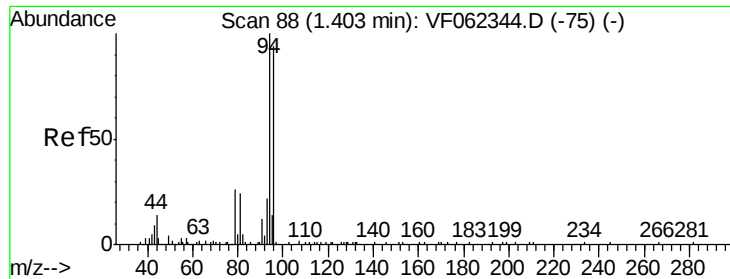
52 0.0 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0





#5

Bromomethane

Concen: 3.486 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.04 min

Lab File: VF062450.D

Acq: 11 May 2019 6:24

Instrument :

MSVOA_F

ClientSampleId :

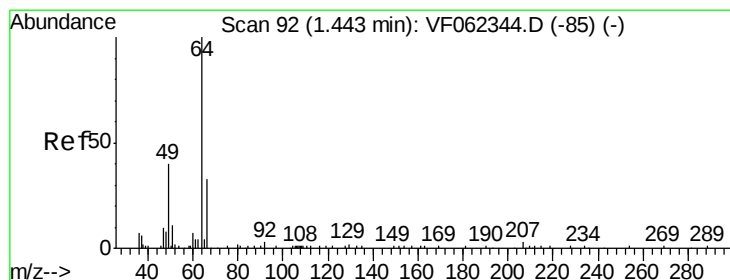
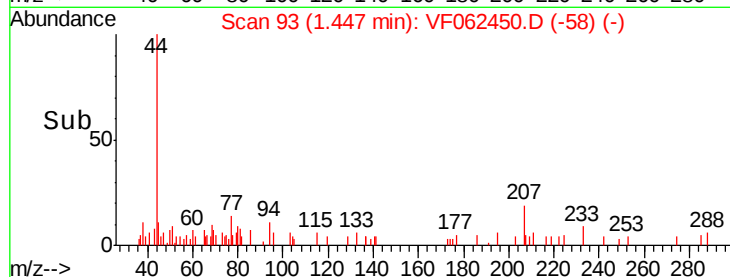
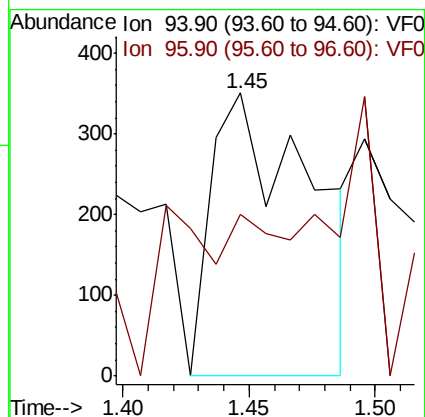
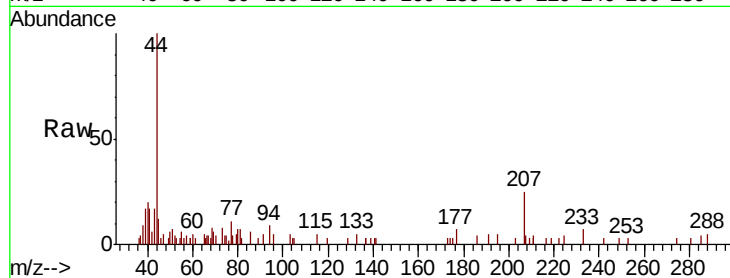
B-3

Tot Ion: 94 Resp: 957

Ion Ratio Lower Upper

94 100

96 8.3 75.4 113.2#



#6

Chloroethane

Concen: 2.328 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062450.D

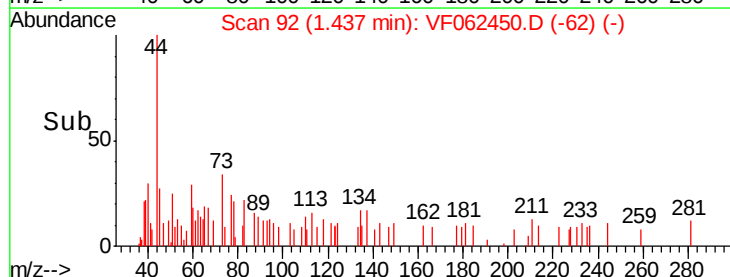
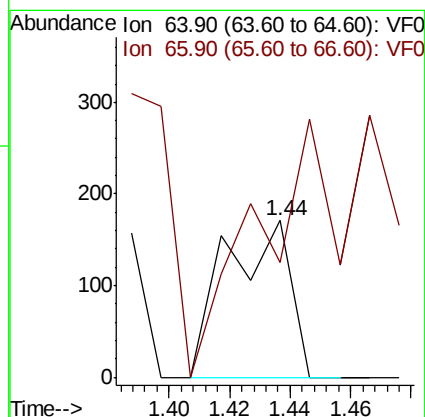
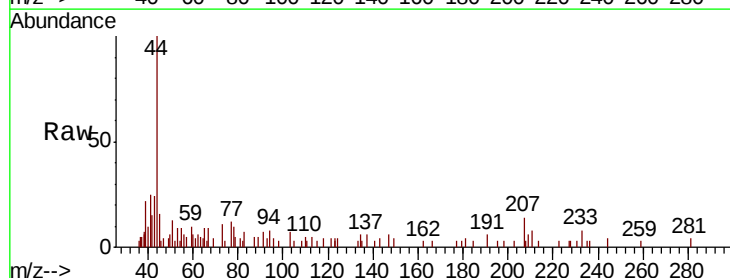
Acq: 11 May 2019 6:24

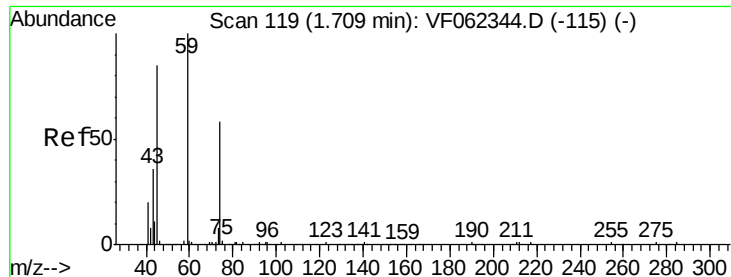
Tgt Ion: 64 Resp: 255

Ion Ratio Lower Upper

64 100

66 73.1 26.6 39.8#





#8

Diethyl Ether

Concen: 8.685 ug/l

RT: 1.71 min Scan# 120

Delta R.T. 0.00 min

Lab File: VF062450.D

Acq: 11 May 2019 6:24

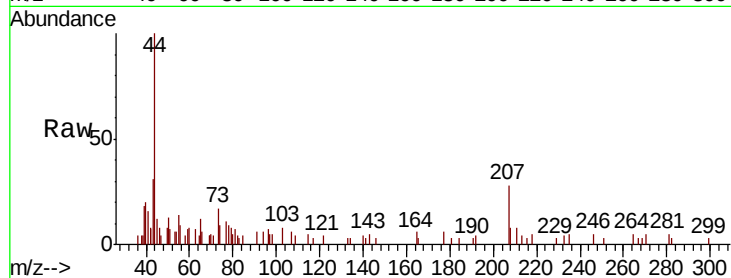
Instrument :
MSVOA_F
ClientSampled :
B-3

Tot Ion: 74 Resp: 594

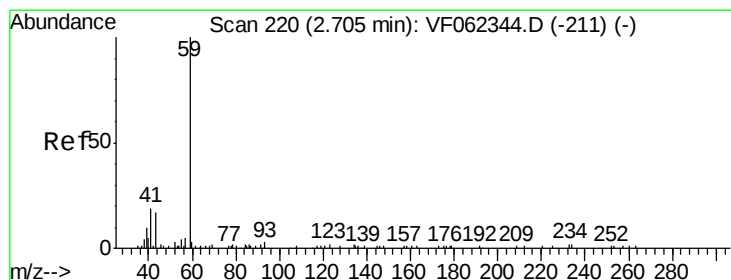
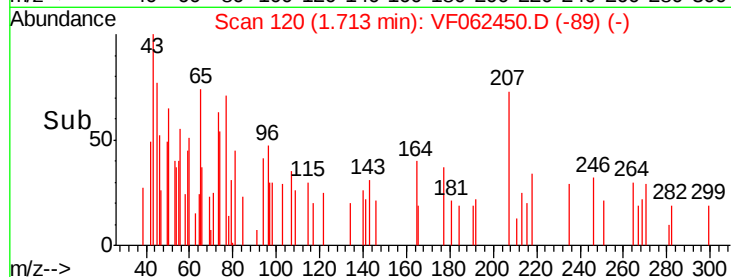
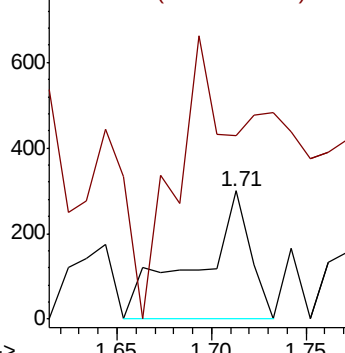
Ion Ratio Lower Upper

74 100

45 212.1 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: 66.673 ug/l

RT: 2.71 min Scan# 221

Delta R.T. 0.00 min

Lab File: VF062450.D

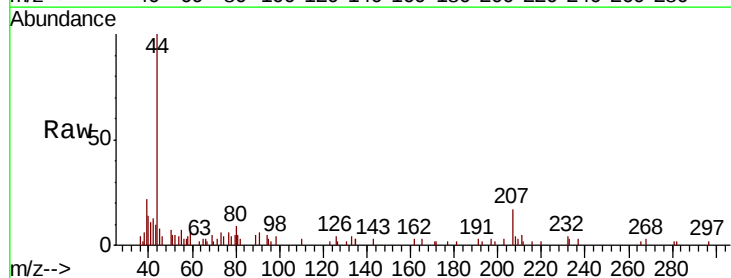
Acq: 11 May 2019 6:24

Tgt Ion: 59 Resp: 1019

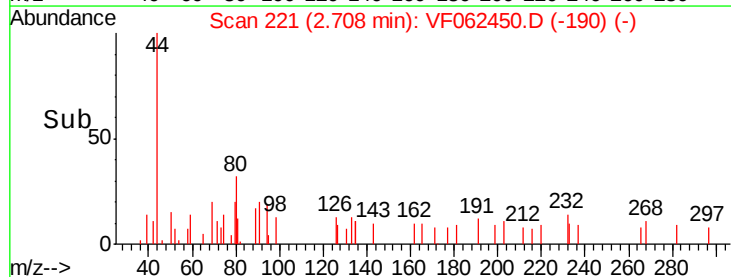
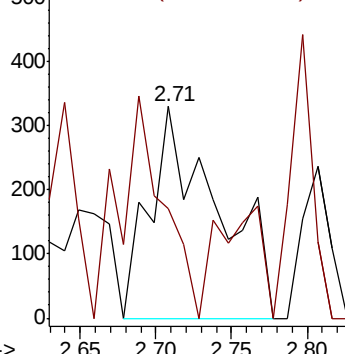
Ion Ratio Lower Upper

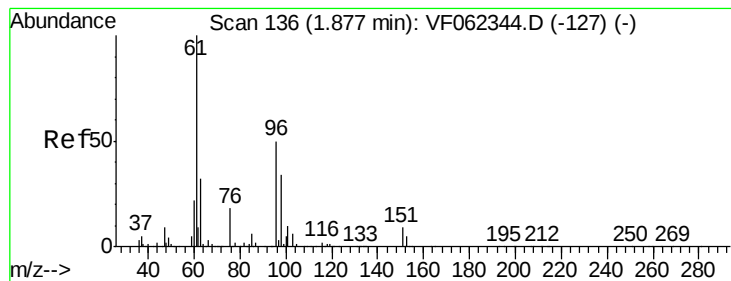
59 100

57 67.8 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0
Ion 57.00 (56.70 to 57.70): VF0





#12

1,1-Dichloroethene

Concen: 2.726 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.03 min

Lab File: VF062450.D

Acq: 11 May 2019 6:24

Instrument :

MSVOA_F

ClientSampled :

B-3

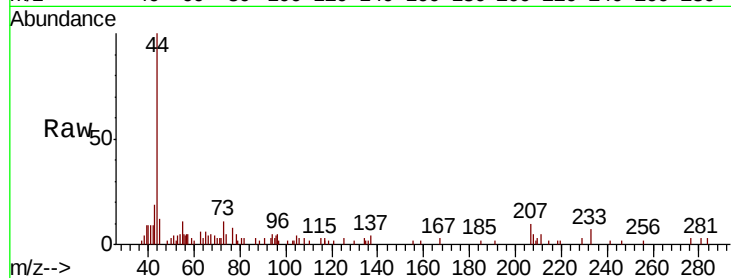
Tot Ion: 96 Resp: 598

Ion Ratio Lower Upper

96 100

61 0.0 163.2 244.8#

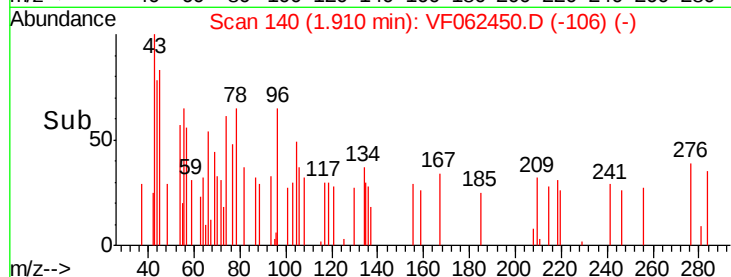
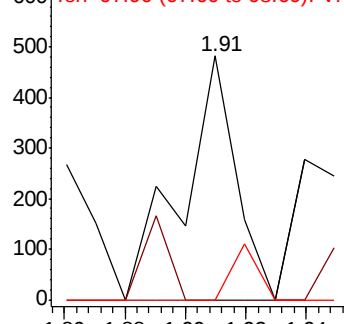
98 0.0 55.2 82.8#



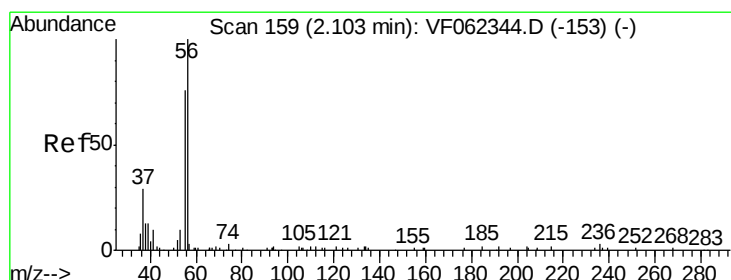
Abundance Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



Time-->



#13

Acrolein

Concen: 66.196 ug/l

RT: 2.14 min Scan# 163

Delta R.T. 0.03 min

Lab File: VF062450.D

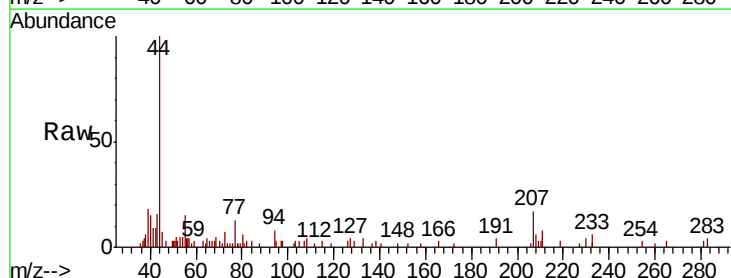
Acq: 11 May 2019 6:24

Tgt Ion: 56 Resp: 772

Ion Ratio Lower Upper

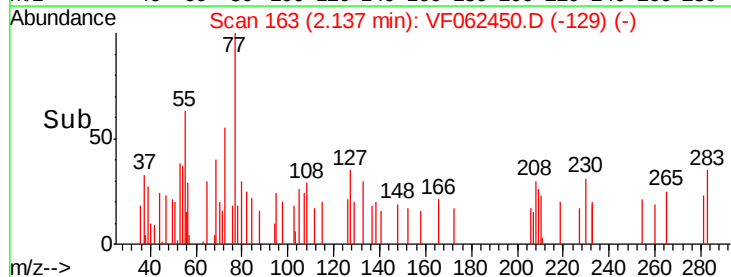
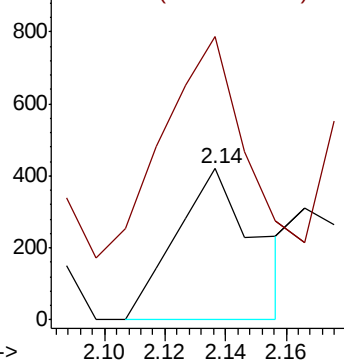
56 100

55 147.3 58.4 87.6#

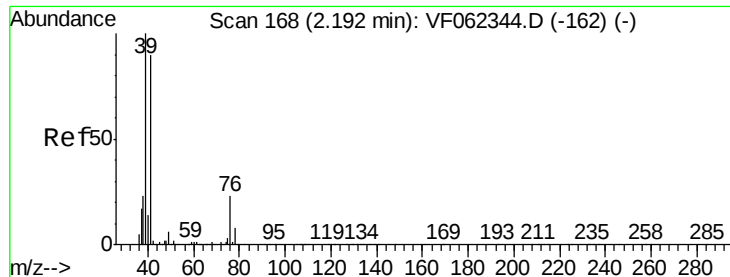


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



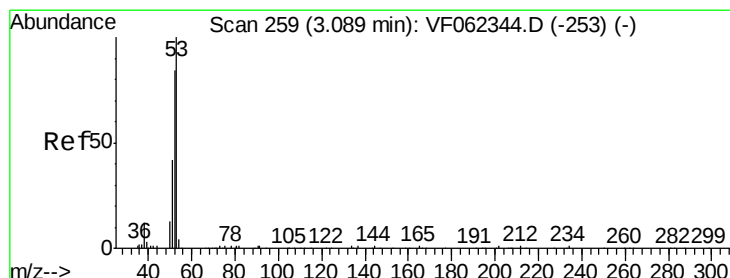
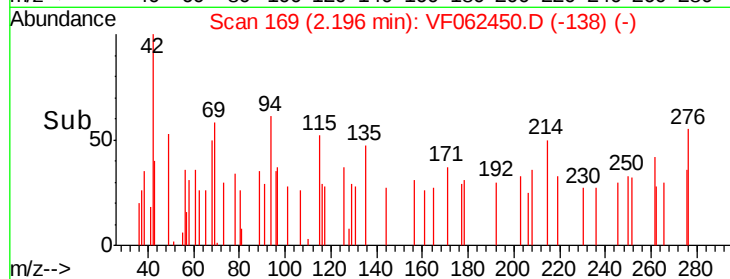
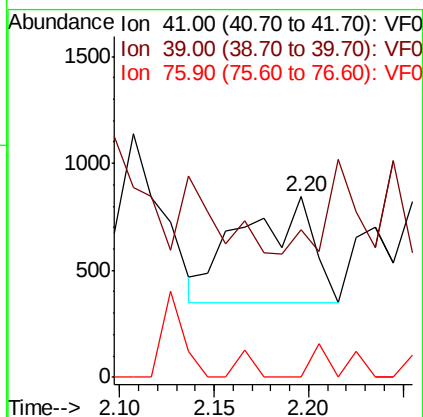
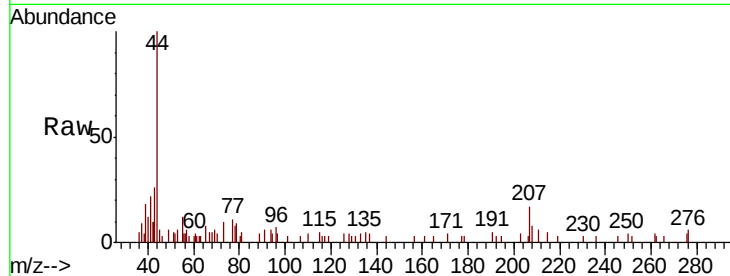
Time-->



#14
Allvl chloride
Concen: 6.651 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.00 min
Lab File: VF062450.D
Acq: 11 May 2019 6:24

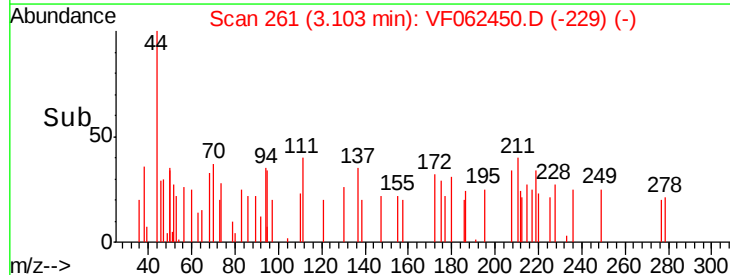
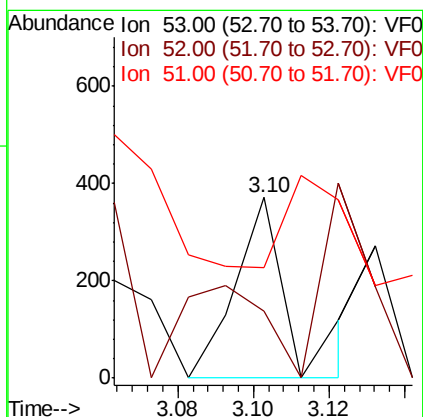
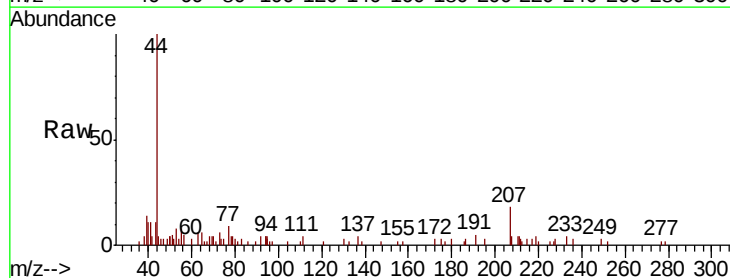
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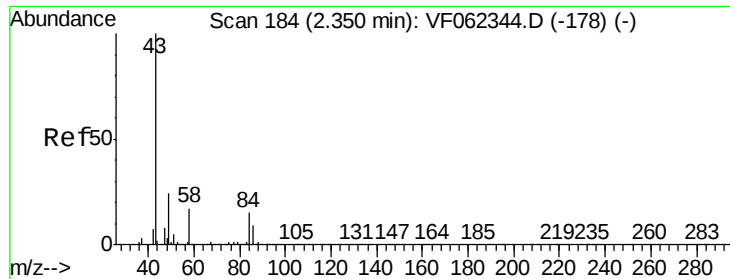
Tot Ion: 41 Resp: 1289
Ion Ratio Lower Upper
41 100
39 36.2 90.8 136.2#
76 12.8 22.2 33.4#



#15
Acrylonitrile
Concen: 12.677 ug/l
RT: 3.10 min Scan# 261
Delta R.T. 0.01 min
Lab File: VF062450.D
Acq: 11 May 2019 6:24

Tgt Ion: 53 Resp: 367
Ion Ratio Lower Upper
53 100
52 115.3 77.2 115.8
51 252.0 40.6 61.0#





#16

Acetone

Concen: 170.442 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.00 min

Lab File: VF062450.D

Acq: 11 May 2019 6:24

Instrument :

MSVOA_F

ClientSampleId :

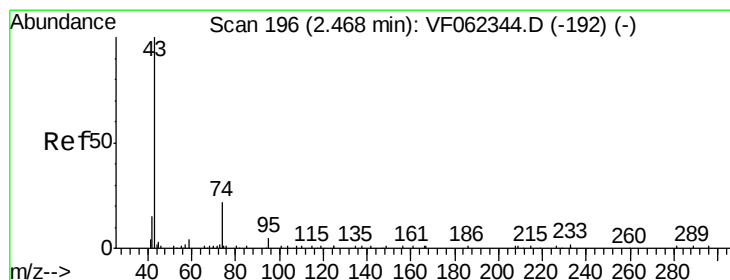
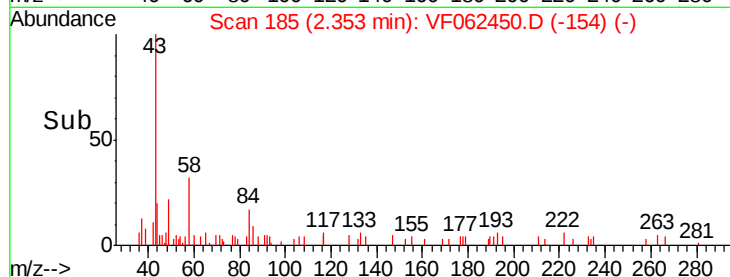
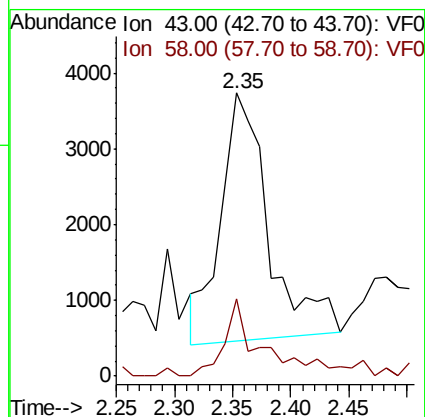
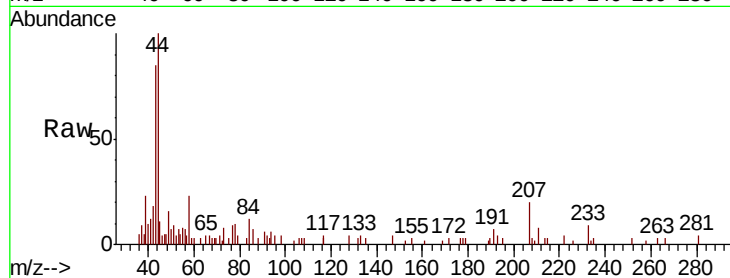
B-3

Tot Ion: 43 Resp: 9324

Ion Ratio Lower Upper

43 100

58 32.5 13.1 19.7#



#18

Methyl Acetate

Concen: 27.424 ug/l

RT: 2.48 min Scan# 198

Delta R.T. 0.01 min

Lab File: VF062450.D

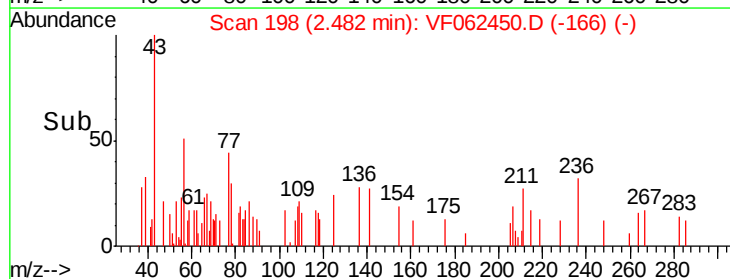
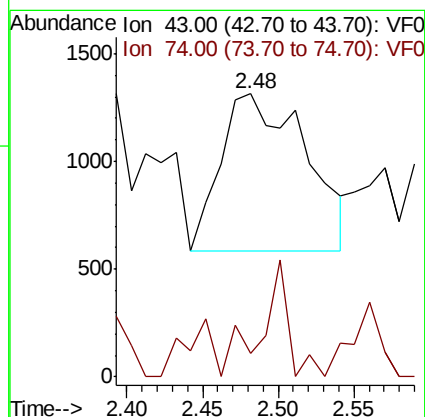
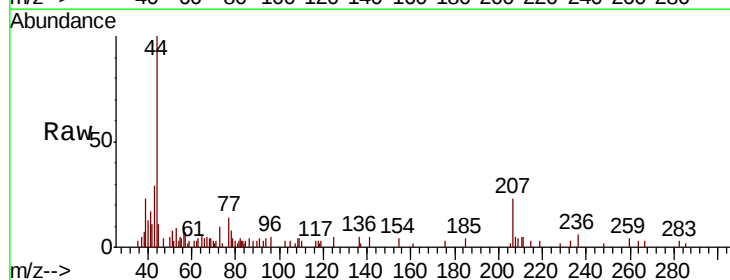
Acq: 11 May 2019 6:24

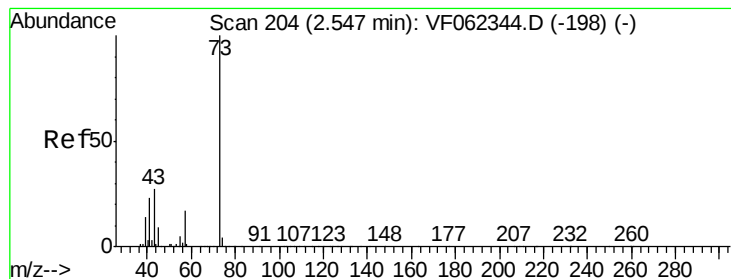
Tgt Ion: 43 Resp: 2877

Ion Ratio Lower Upper

43 100

74 24.5 15.0 22.4#



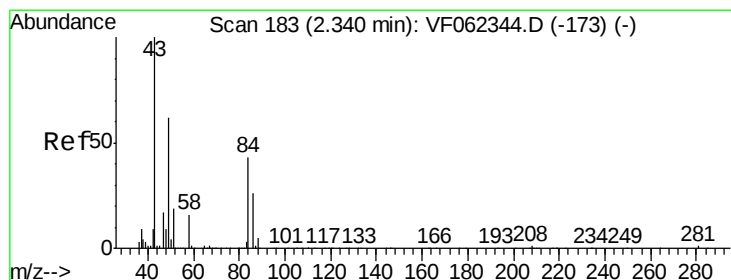
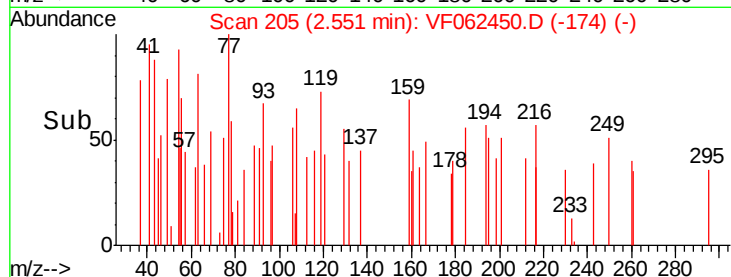
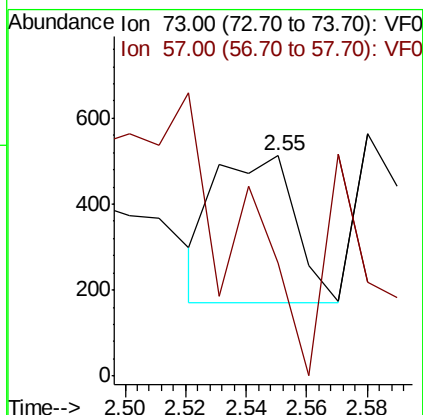
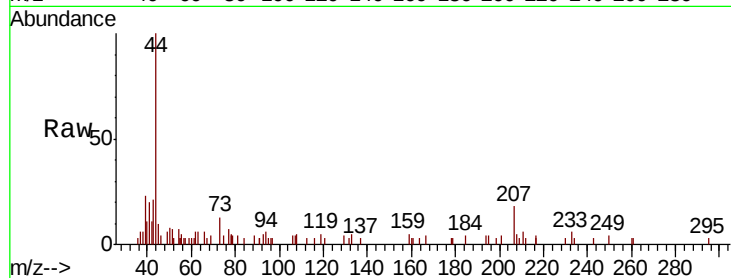


#19

Methyl tert-butyl Ether
 Concen: 1.376 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.00 min
 Lab File: VF062450.D
 Acq: 11 May 2019 6:24

Instrument :
 MSVOA_F
 ClientSampleID :
 B-3

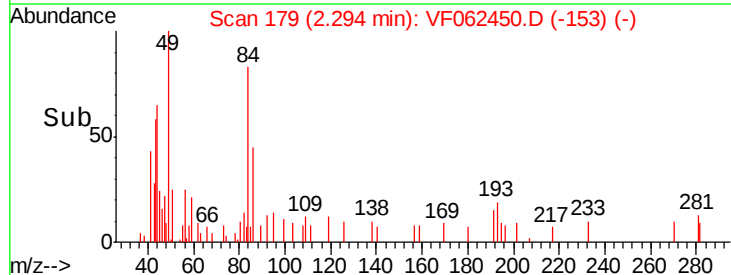
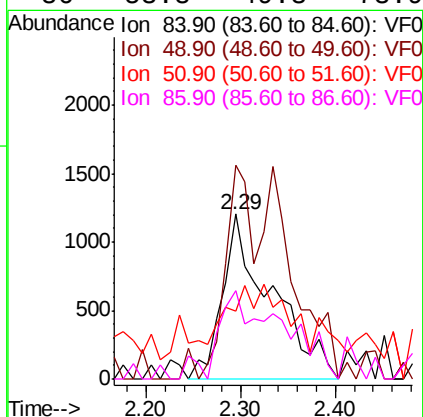
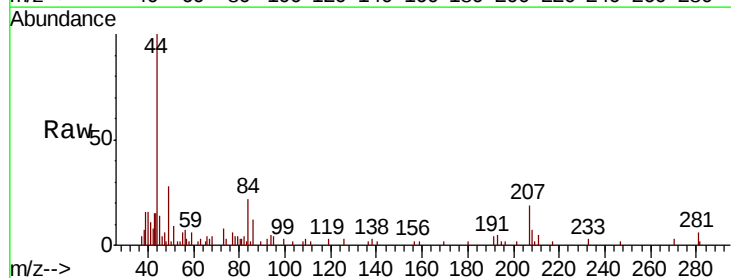
Tot Ion: 73 Resp: 623
 Ion Ratio Lower Upper
 73 100
 57 0.0 13.7 20.5#

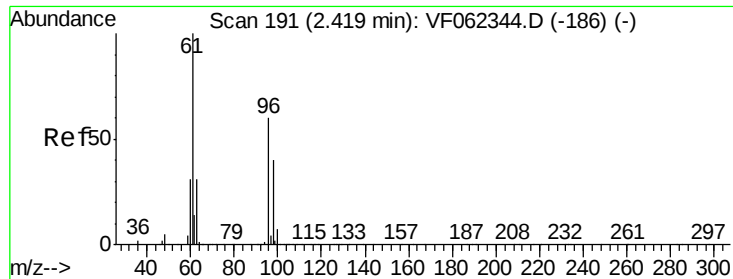


#20

Methylene Chloride
 Concen: 21.867 ug/l
 RT: 2.29 min Scan# 179
 Delta R.T. -0.05 min
 Lab File: VF062450.D
 Acq: 11 May 2019 6:24

Tgt Ion: 84 Resp: 4328
 Ion Ratio Lower Upper
 84 100
 49 129.8 117.5 176.3
 51 19.9 37.0 55.4#
 86 53.8 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 3.942 ug/l

RT: 2.45 min Scan# 195

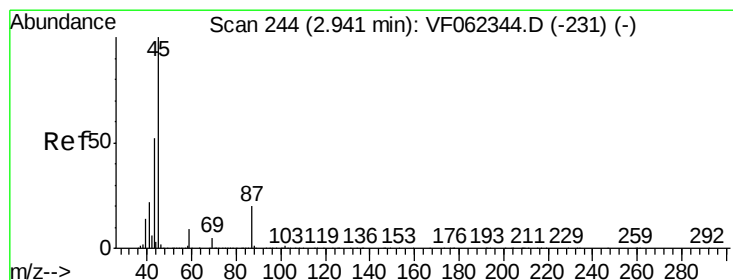
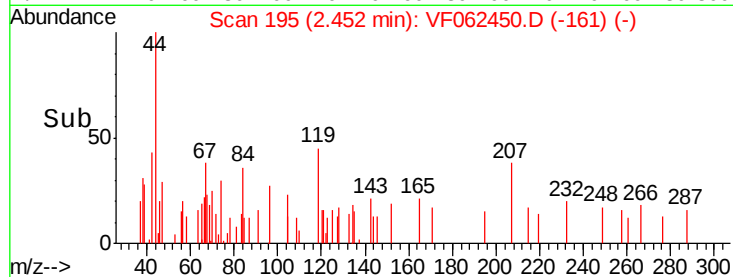
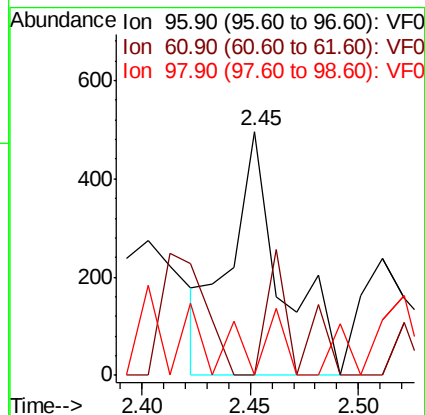
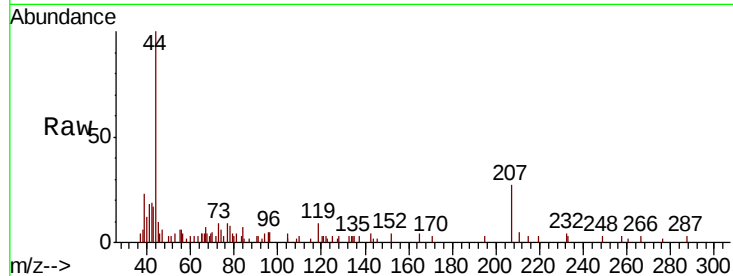
Delta R.T. 0.03 min

Lab File: VF062450.D

Acq: 11 May 2019 6:24

Instrument :
MSVOA_F
ClientSampleId :
B-3

Tot Ion:	96	Resp:	824
Ion	Ratio	Lower	Upper
96	100		
61	0.0	133.2	199.8#
98	0.0	53.1	79.7#



#22

Diisopropyl ether

Concen: 1.306 ug/l

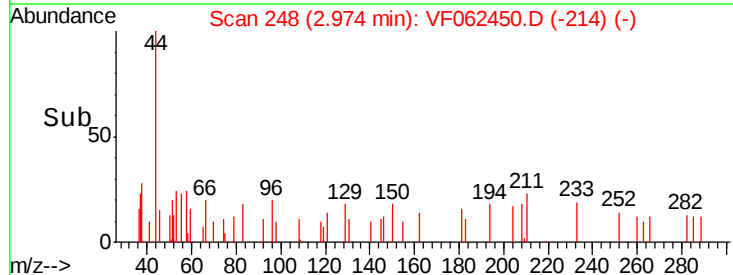
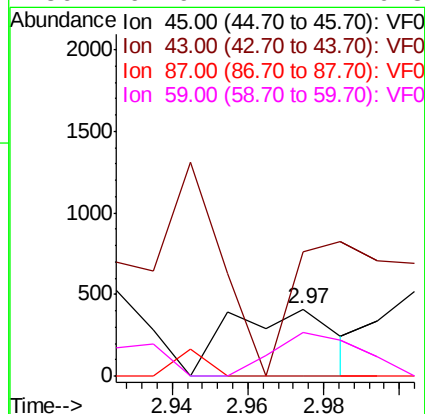
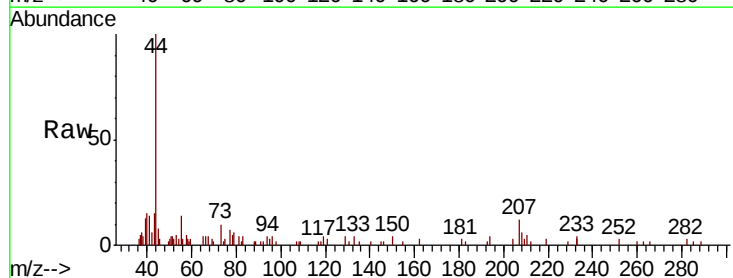
RT: 2.97 min Scan# 248

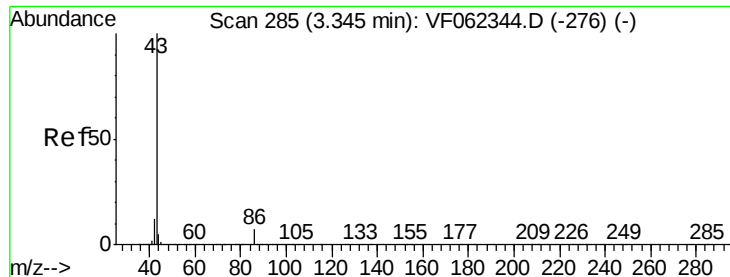
Delta R.T. 0.03 min

Lab File: VF062450.D

Acq: 11 May 2019 6:24

Tgt Ion:	45	Resp:	791
Ion	Ratio	Lower	Upper
45	100		
43	0.0	41.4	62.0#
87	0.0	15.8	23.6#
59	64.9	7.2	10.8#





#23

Vinyl Acetate

Concen: 5.538 ug/l

RT: 3.37 min Scan# 288

Delta R.T. 0.02 min

Lab File: VF062450.D

Acq: 11 May 2019 6:24

Instrument :

MSVOA_F

ClientSampled :

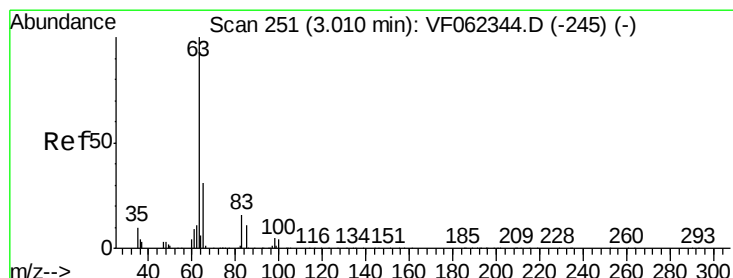
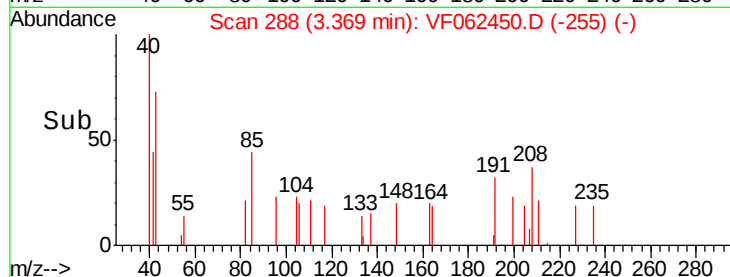
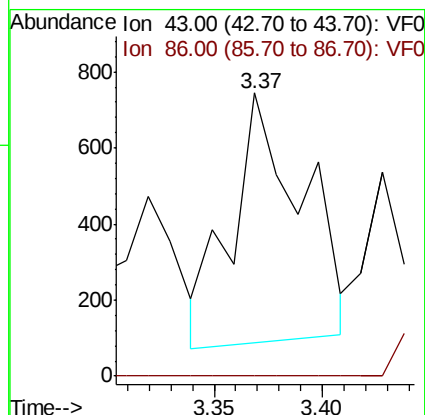
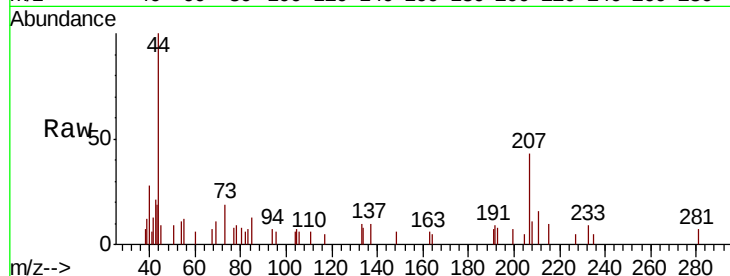
B-3

Tot Ion: 43 Resp: 1495

Ion Ratio Lower Upper

43 100

86 0.0 5.7 8.5#



#24

1,1-Dichloroethane

Concen: 1.937 ug/l

RT: 3.05 min Scan# 256

Delta R.T. 0.04 min

Lab File: VF062450.D

Acq: 11 May 2019 6:24

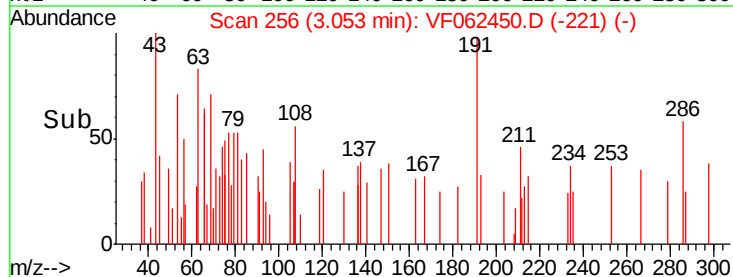
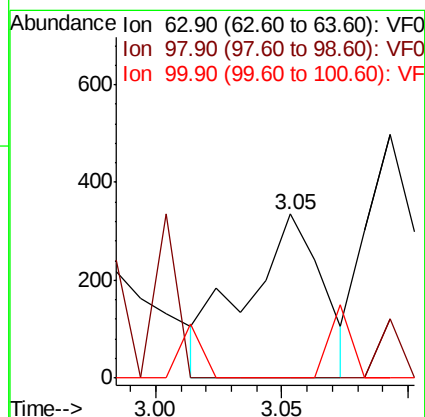
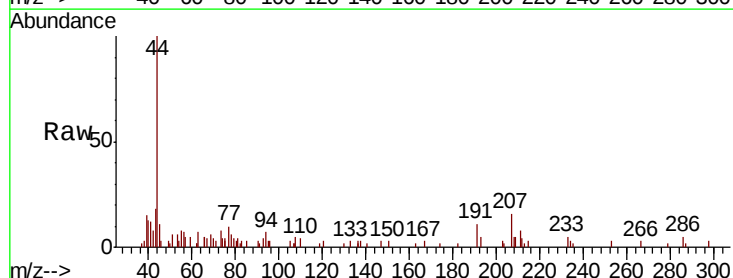
Tgt Ion: 63 Resp: 709

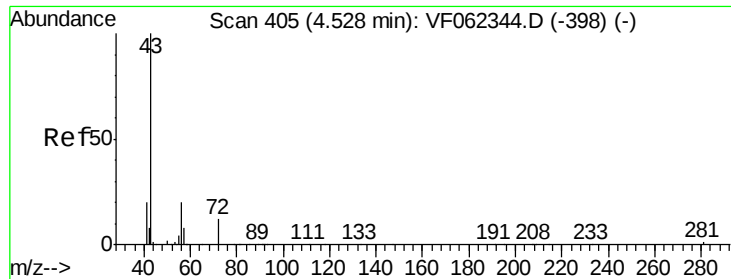
Ion Ratio Lower Upper

63 100

98 0.0 2.6 8.0#

100 0.0 1.8 5.4#





#25

2-Butanone

Concen: 12.877 ug/l

RT: 4.55 min Scan# 408

Delta R.T. 0.02 min

Lab File: VF062450.D

Acq: 11 May 2019 6:24

Instrument :

MSVOA_F

ClientSampleId :

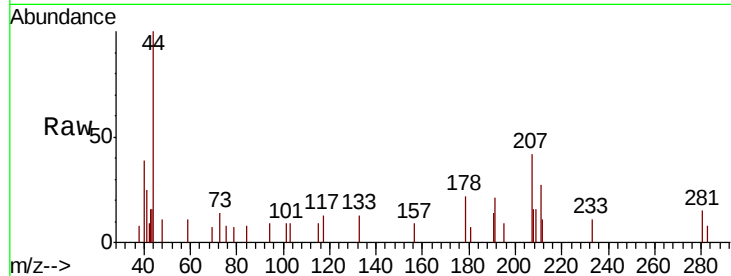
B-3

Tot Ion: 43 Resp: 885

Ion Ratio Lower Upper

43 100

72 0.0 14.2 21.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.55

400

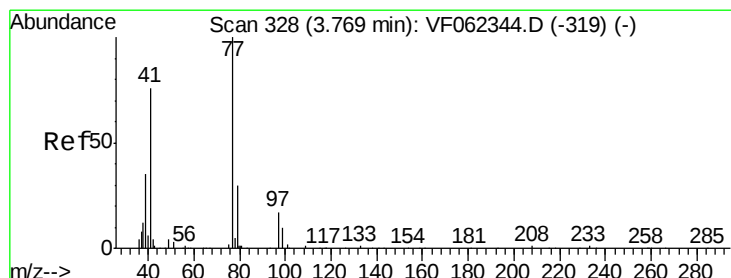
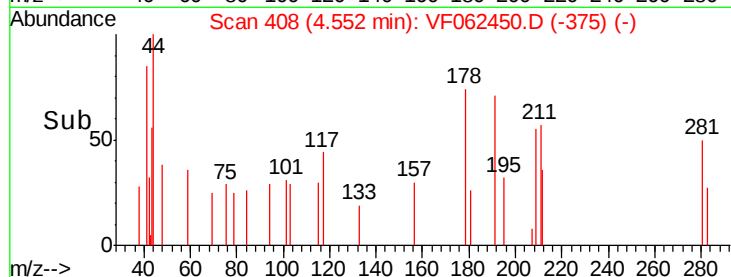
300

200

100

0

Time-->



#26

2,2-Dichloropropane

Concen: 1.795 ug/l

RT: 3.66 min Scan# 318

Delta R.T. -0.10 min

Lab File: VF062450.D

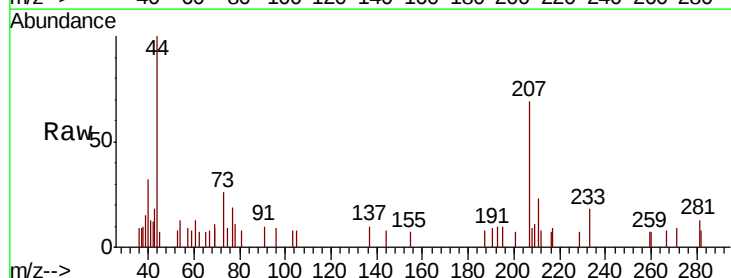
Acq: 11 May 2019 6:24

Tgt Ion: 77 Resp: 367

Ion Ratio Lower Upper

77 100

97 23.4 9.5 28.5



Abundance Ion 76.90 (76.60 to 77.60): VF0

Ion 96.90 (96.60 to 97.60): VF0

500

400

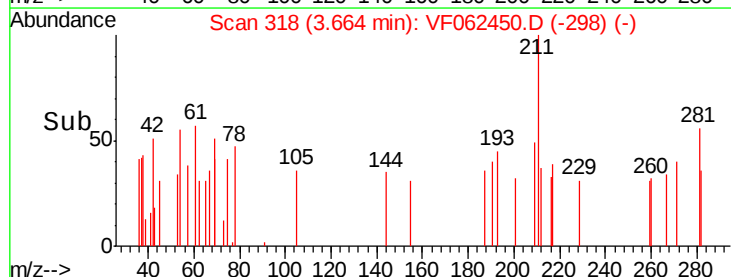
300

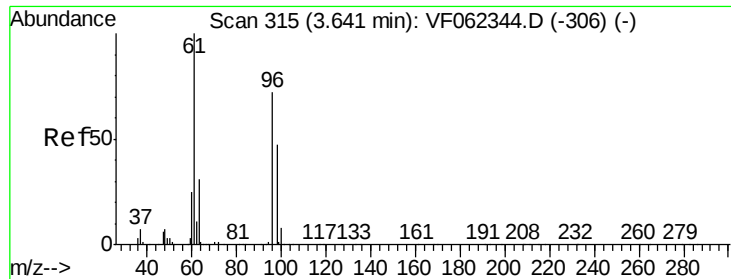
200

100

0

Time-->



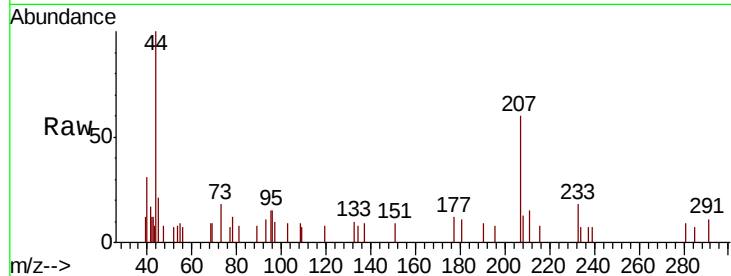


#27

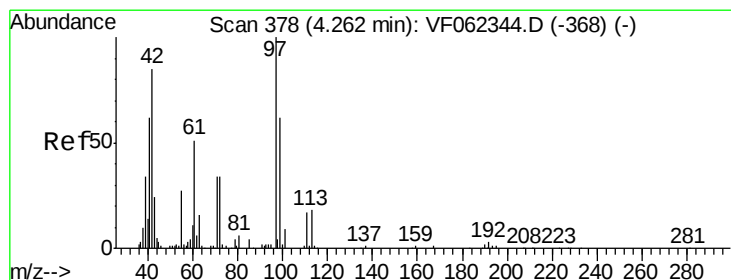
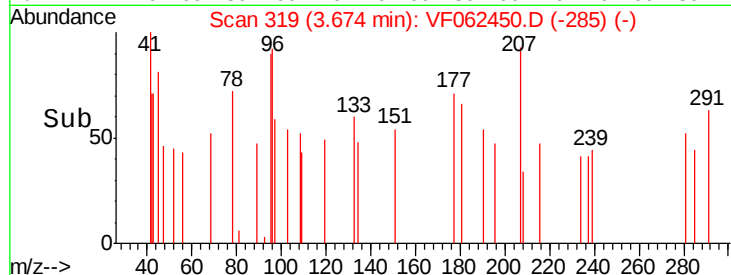
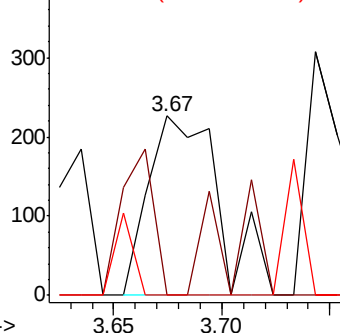
cis-1,2-Dichloroethene
 Concen: 1.963 ug/l
 RT: 3.67 min Scan# 319
 Delta R.T. 0.03 min
 Lab File: VF062450.D
 Acq: 11 May 2019 6:24

Instrument :
 MSVOA_F
 ClientSampleId :
 B-3

Tot Ion	Ratio	Lower	Upper
96	100		
61	36.8	0.0	263.0
98	12.1	0.0	130.8



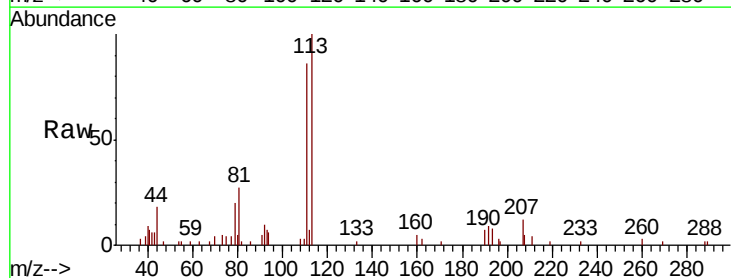
Abundance Ion 95.90 (95.60 to 96.60): VF0
 Ion 60.90 (60.60 to 61.60): VF0
 Ion 97.90 (97.60 to 98.60): VF0



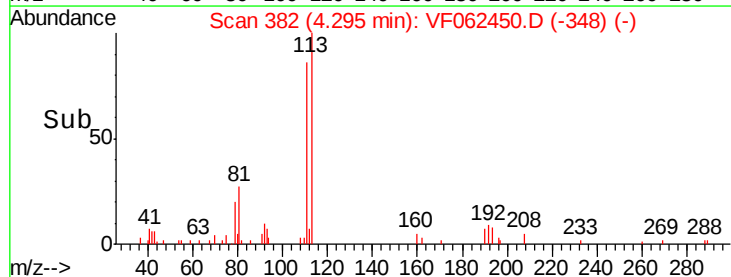
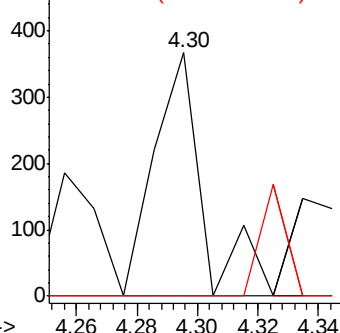
#29

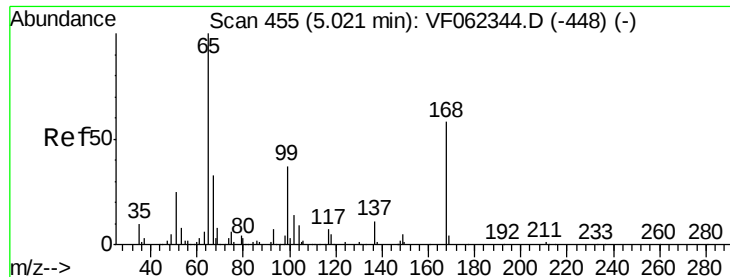
Tetrahydrofuran
 Concen: 12.980 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.03 min
 Lab File: VF062450.D
 Acq: 11 May 2019 6:24

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.0#
71	0.0	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: 248.639 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.02 min

Lab File: VF062450.D

Acq: 11 May 2019 6:24

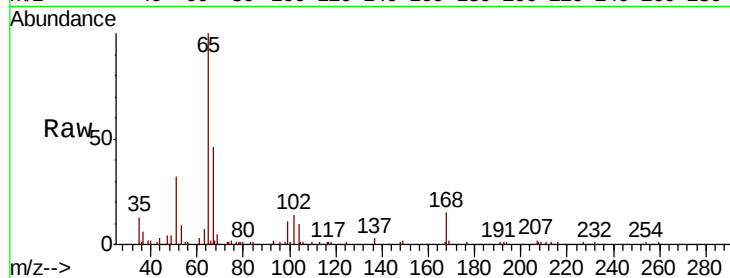
Instrument :
MSVOA_F
ClientSampleId :
B-3

Tot Ion: 65 Resp: 67238

Ion Ratio Lower Upper

65 100

67 43.9 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

25000

20000

15000

10000

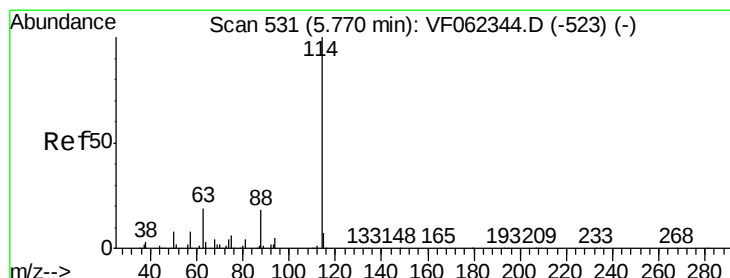
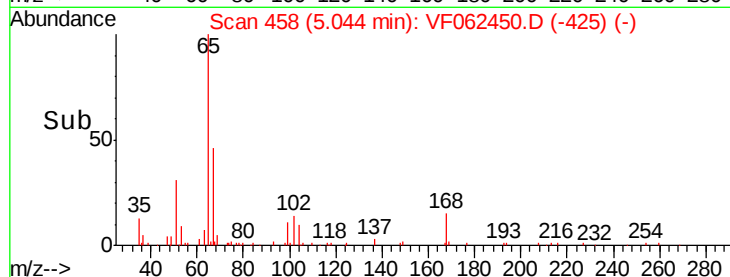
5000

0

Time-->

4.90 5.00 5.10 5.20

5.04



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.01 min

Lab File: VF062450.D

Acq: 11 May 2019 6:24

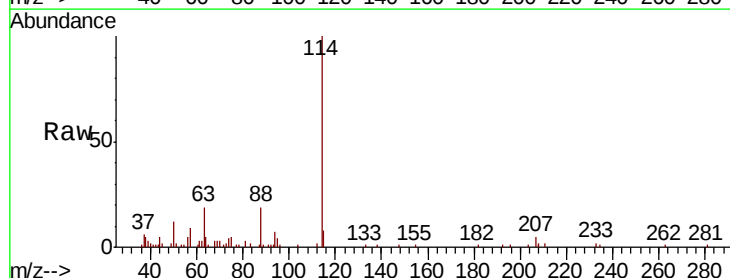
Tgt Ion: 114 Resp: 39111

Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.4

88 18.8 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

20000

15000

10000

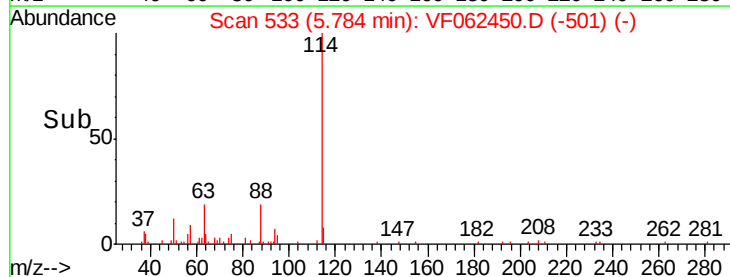
5000

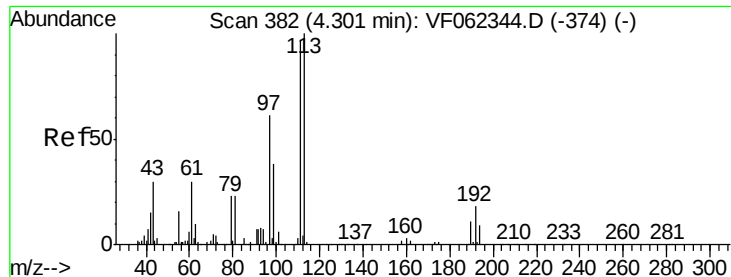
0

Time-->

5.70 5.80 5.90

5.78

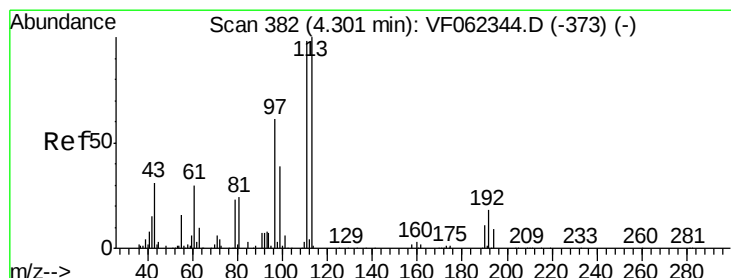
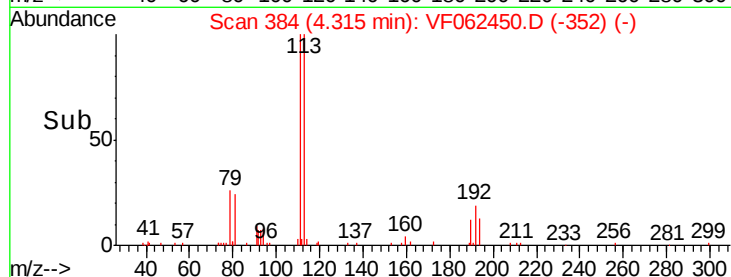
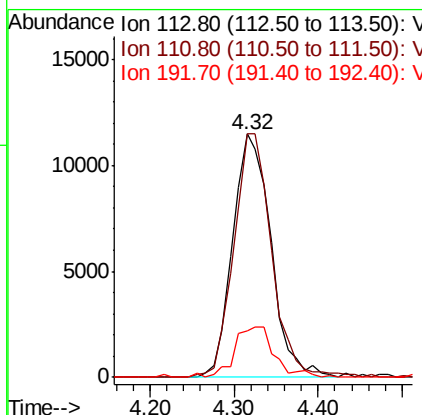
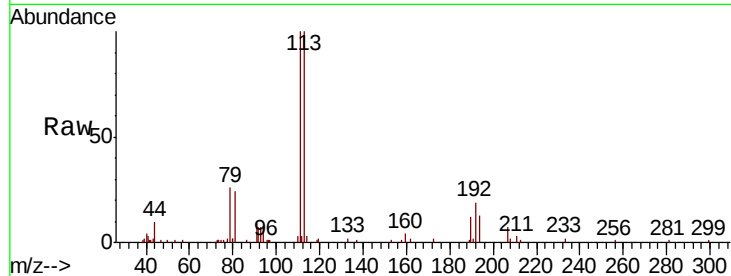




#35
 Dibromofluoromethane
 Concen: 116.810 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VF062450.D
 Acq: 11 May 2019 6:24

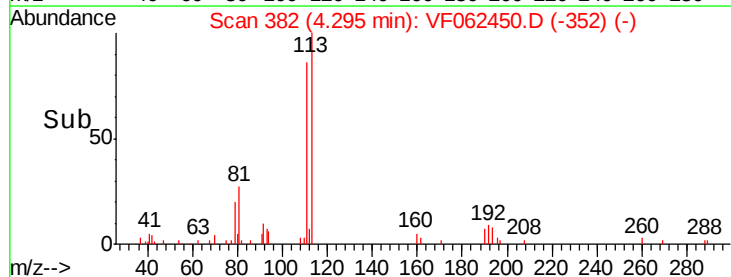
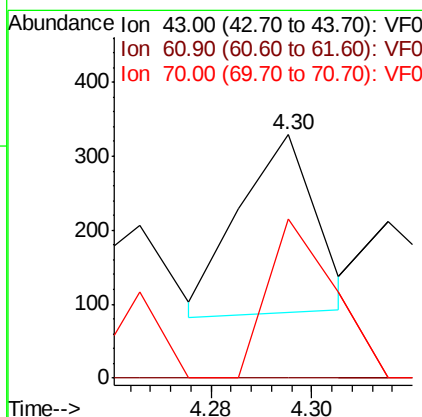
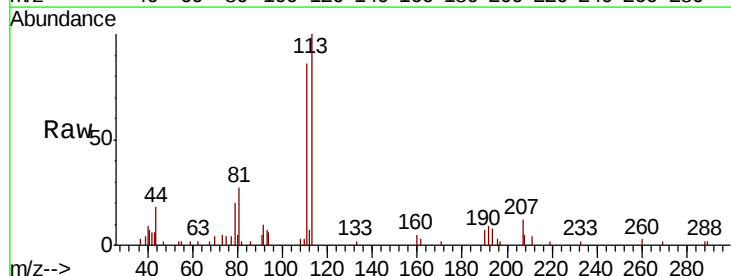
Instrument :
 MSVOA_F
 ClientSampleId :
 B-3

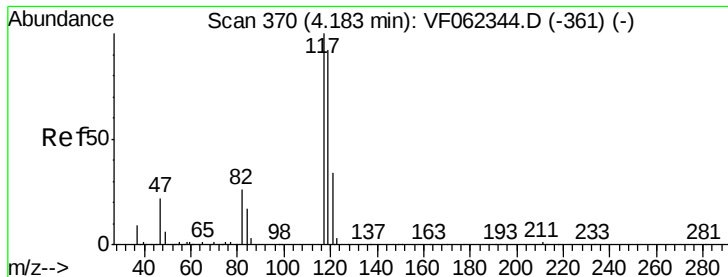
Tot Ion:113 Resp: 36397
 Ion Ratio Lower Upper
 113 100
 111 99.4 79.4 119.0
 192 21.6 16.0 24.0



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.30 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VF062450.D
 Acq: 11 May 2019 6:24

Tgt Ion: 43 Resp: 257
 Ion Ratio Lower Upper
 43 100
 61 0.0 0.0 0.0
 70 76.3 8.2 12.2#





#38

Carbon Tetrachloride

Concen: Below Cal

RT: 4.25 min Scan# 377

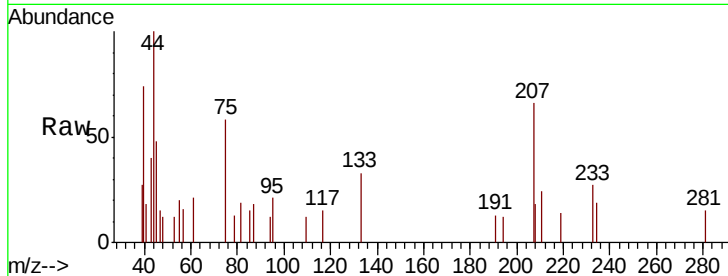
Delta R.T. 0.06 min

Lab File: VF062450.D

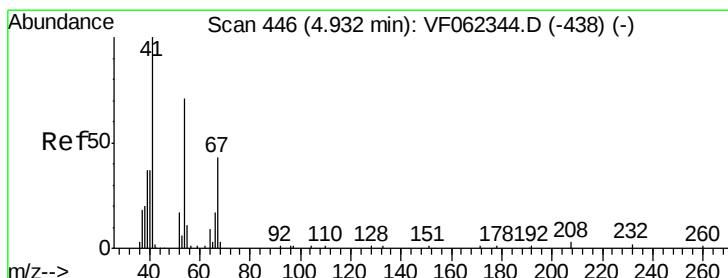
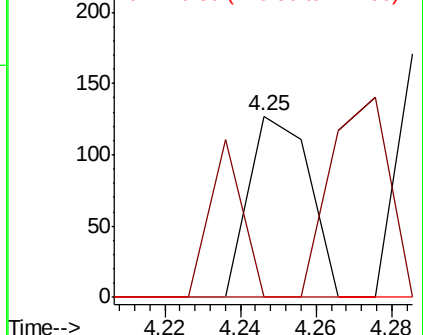
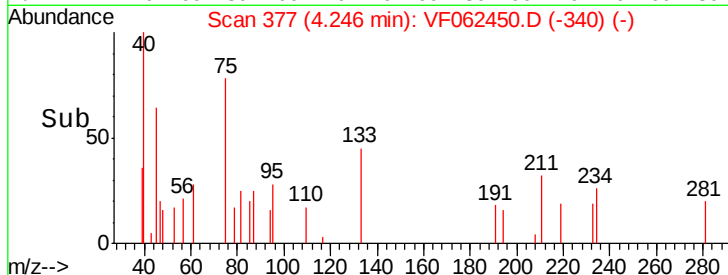
Acq: 11 May 2019 6:24

Instrument :
MSVOA_F
ClientSampled :
B-3

Tot Ion:117 Resp: 141
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



#41

Methacrylonitrile

Concen: 12.190 ug/l

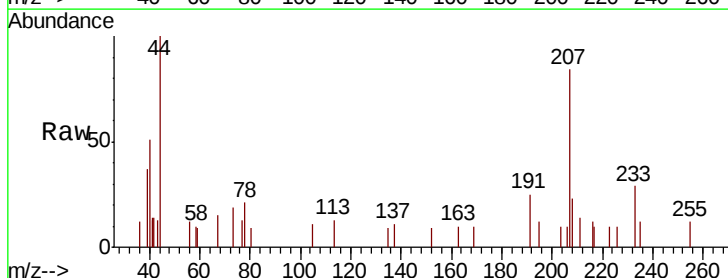
RT: 4.94 min Scan# 447

Delta R.T. 0.00 min

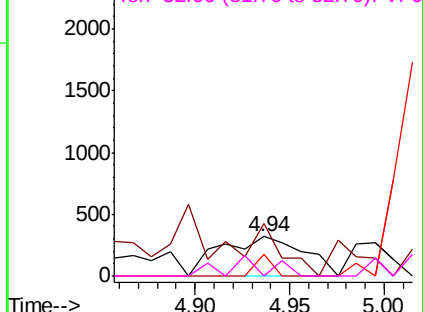
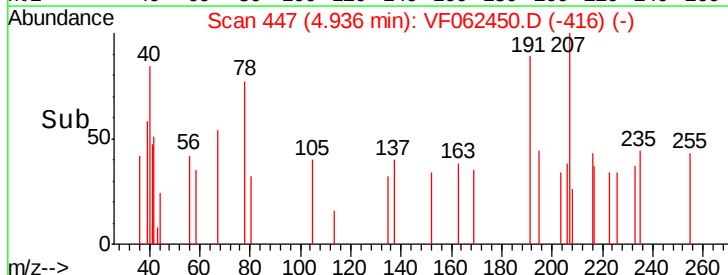
Lab File: VF062450.D

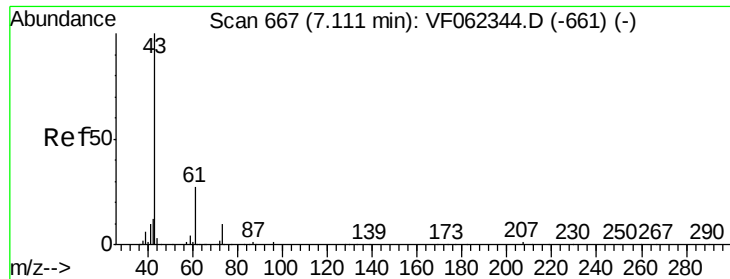
Acq: 11 May 2019 6:24

Tgt Ion: 41 Resp: 982
Ion Ratio Lower Upper
41 100
39 43.6 54.3 81.5#
67 0.0 37.8 56.8#
52 24.1 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





#43

Isopropyl Acetate

Concen: 3.743 ug/l

RT: 7.13 min Scan# 670

Delta R.T. 0.02 min

Lab File: VF062450.D

Acq: 11 May 2019 6:24

Instrument :

MSVOA_F

ClientSampled :

B-3

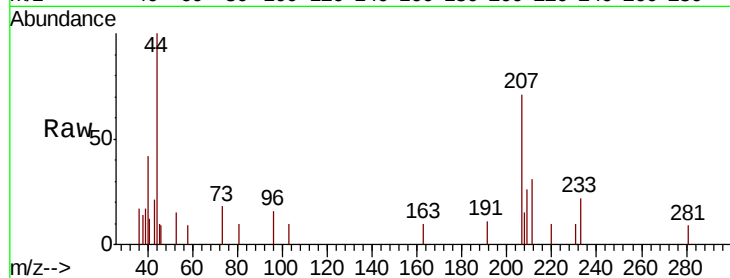
Tot Ion: 43 Resp: 572

Ion Ratio Lower Upper

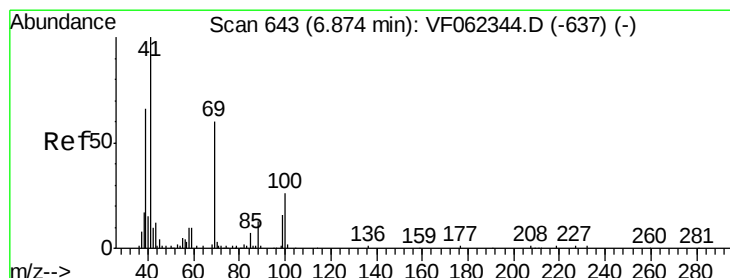
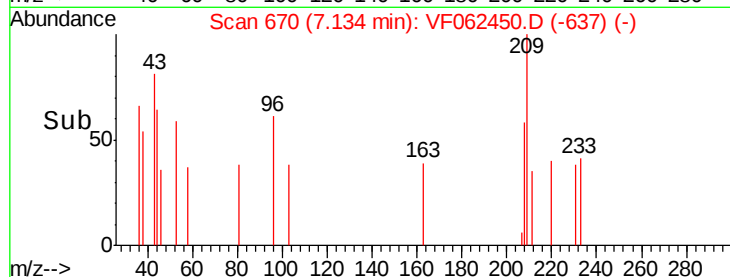
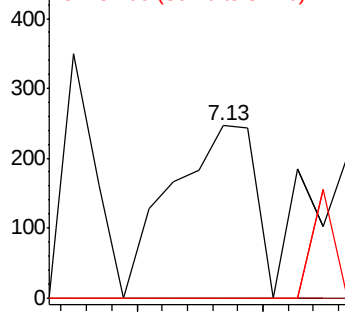
43 100

61 0.0 22.8 34.2#

87 0.0 0.6 1.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 87.00 (86.70 to 87.70): VF0



#48

Methyl methacrylate

Concen: 2.500 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.02 min

Lab File: VF062450.D

Acq: 11 May 2019 6:24

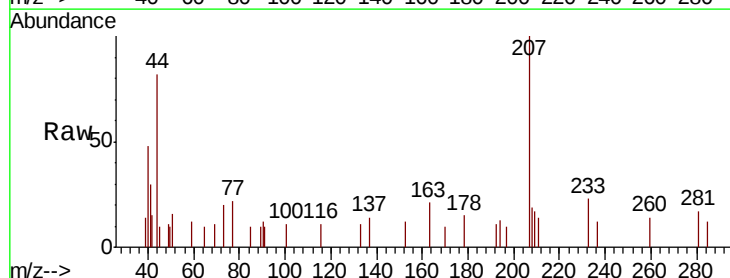
Tgt Ion: 41 Resp: 270

Ion Ratio Lower Upper

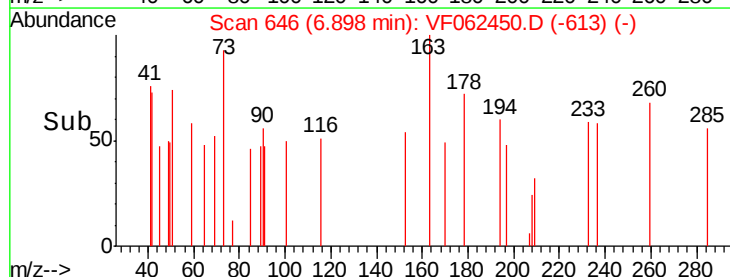
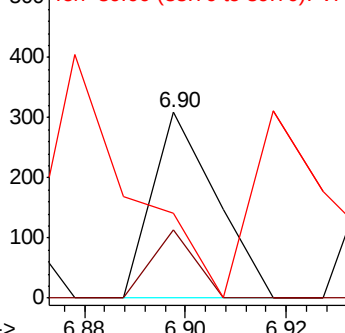
41 100

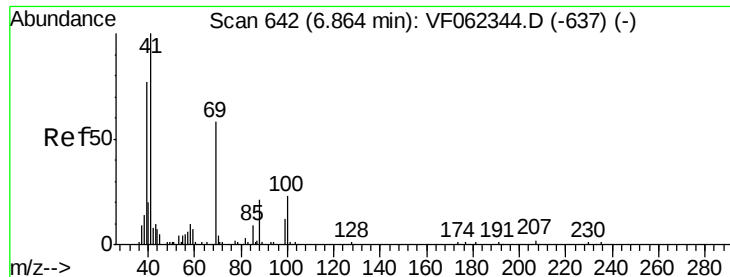
69 24.8 48.6 72.8#

39 156.7 56.1 84.1#



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

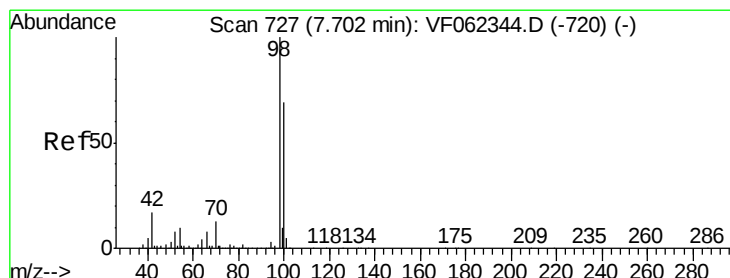
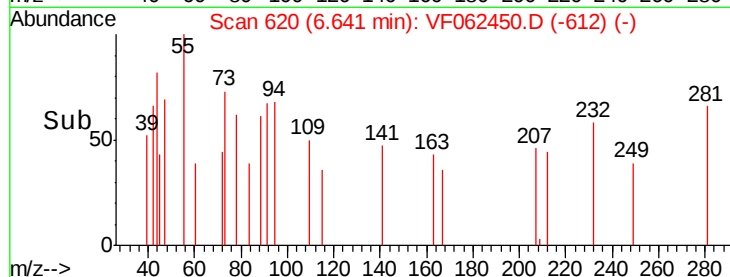
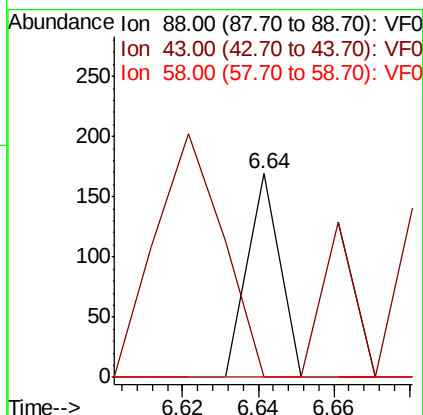
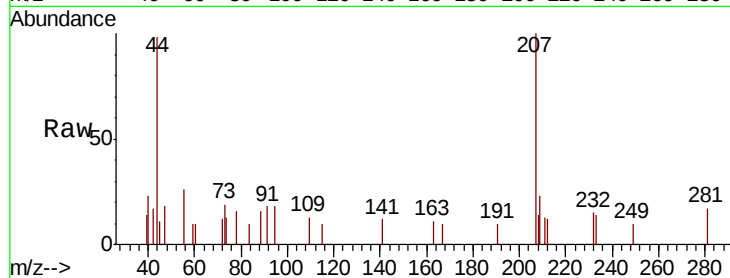




#49
1,4-Dioxane
Concen: 77.984 ug/l
RT: 6.64 min Scan# 620
Delta R.T. -0.22 min
Lab File: VF062450.D
Acq: 11 May 2019 6:24

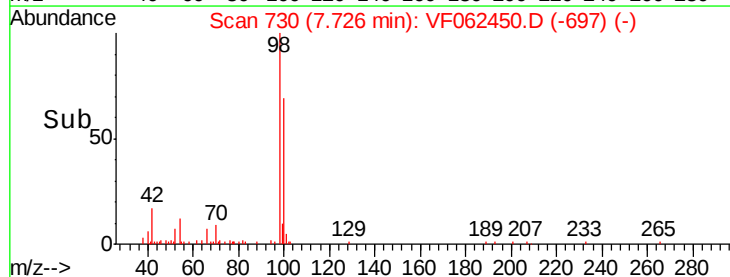
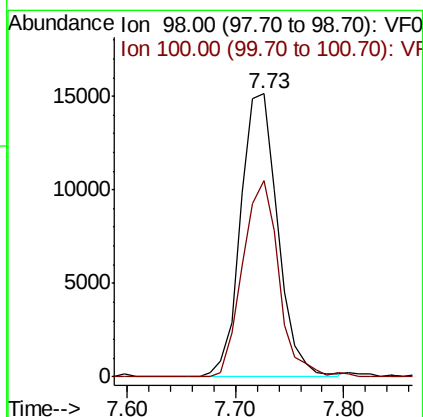
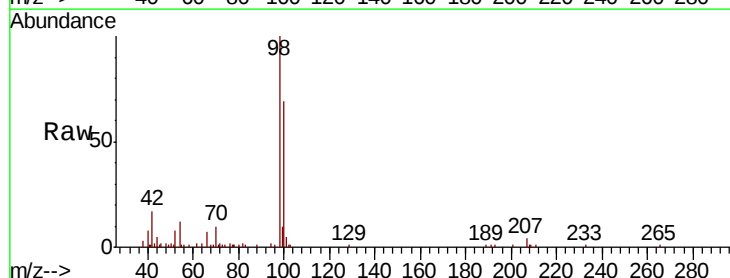
Instrument :
MSVOA_F
ClientSampled :
B-3

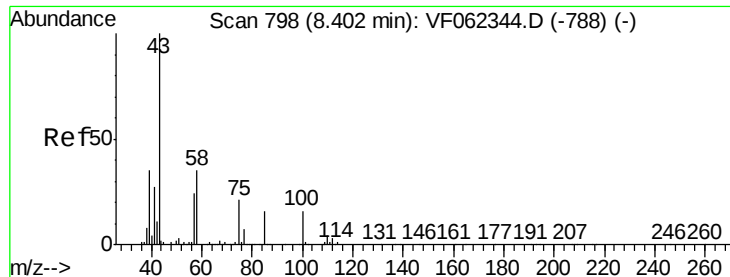
Tot Ion: 88 Resp: 100
Ion Ratio Lower Upper
88 100
43 251.0 55.6 83.4#
58 0.0 52.8 79.2#



#50
Toluene-d8
Concen: 48.144 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.02 min
Lab File: VF062450.D
Acq: 11 May 2019 6:24

Tgt Ion: 98 Resp: 36313
Ion Ratio Lower Upper
98 100
100 67.7 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 2.047 ug/l

RT: 8.33 min Scan# 791

Delta R.T. -0.08 min

Lab File: VF062450.D

Acq: 11 May 2019 6:24

Instrument :

MSVOA_F

ClientSampleId :

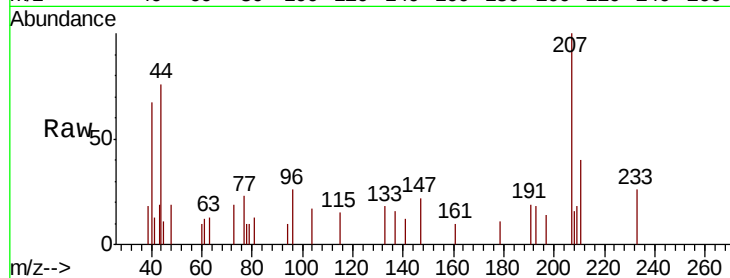
B-3

Tot Ion: 43 Resp: 237

Ion Ratio Lower Upper

43 100

58 29.1 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

300

250

200

150

100

50

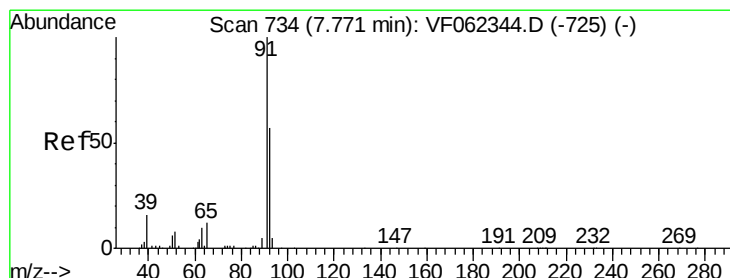
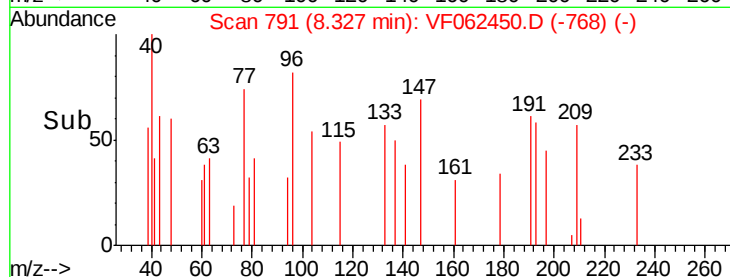
0

8.30

8.32

8.34

Time-->



#52

Toluene

Concen: 2.198 ug/l

RT: 7.79 min Scan# 737

Delta R.T. 0.02 min

Lab File: VF062450.D

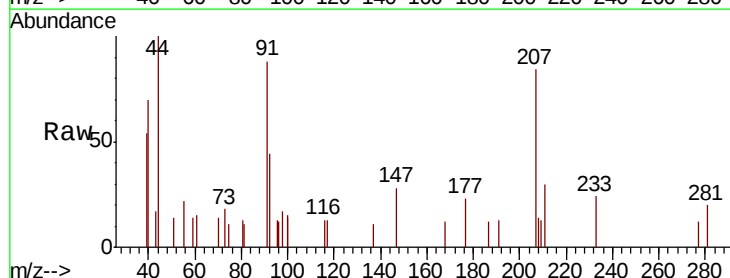
Acq: 11 May 2019 6:24

Tgt Ion: 92 Resp: 1003

Ion Ratio Lower Upper

92 100

91 182.4 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

800

600

400

200

0

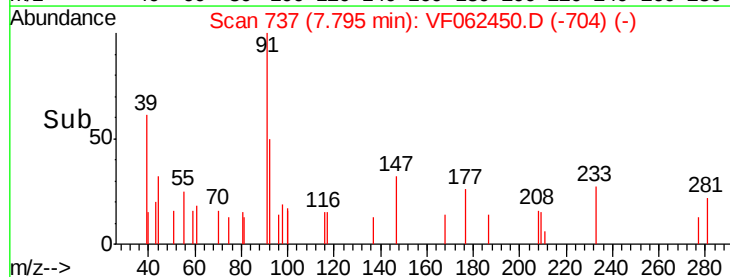
7.70

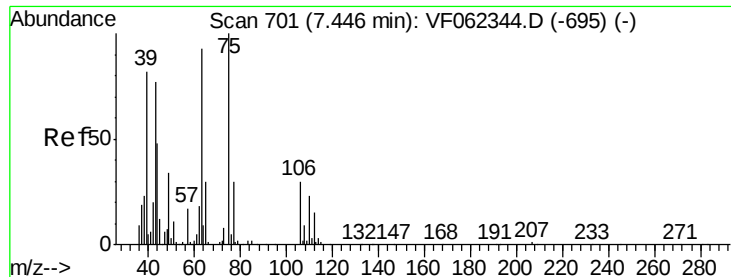
7.75

7.80

7.85

Time-->

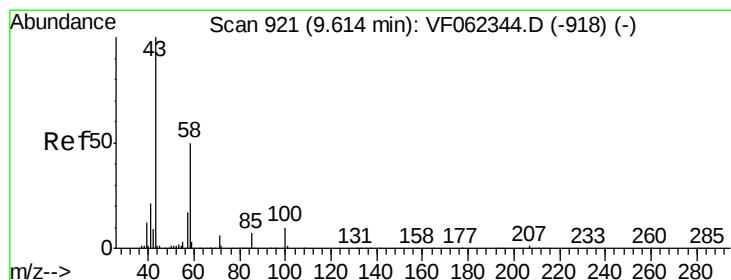
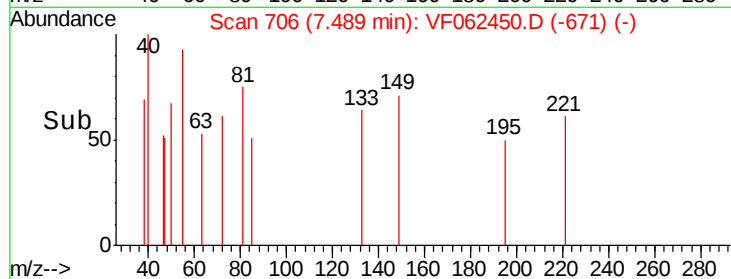
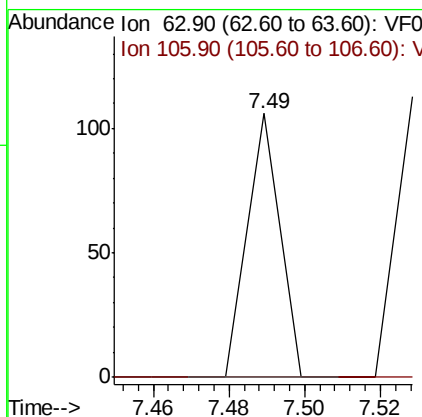
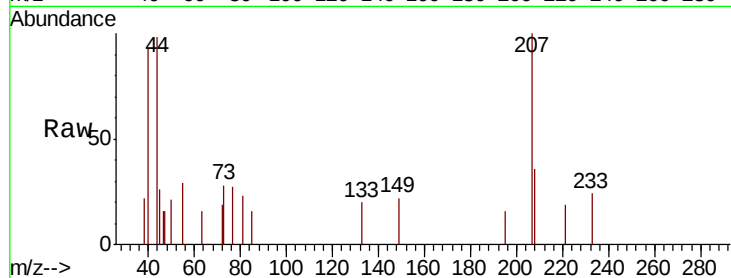




#58
2-Chloroethyl Vinyl ether
Concen: 1.370 ug/l
RT: 7.49 min Scan# 706
Delta R.T. 0.04 min
Lab File: VF062450.D
Acq: 11 May 2019 6:24

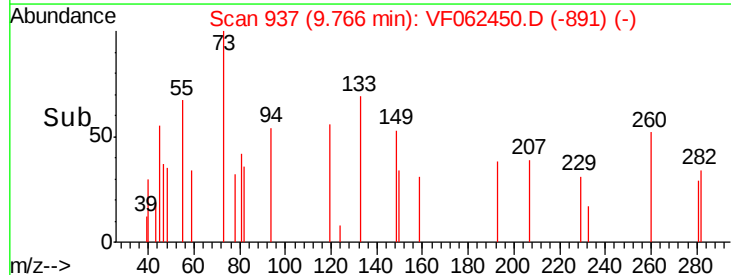
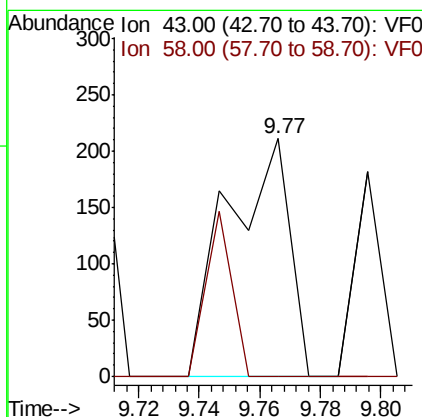
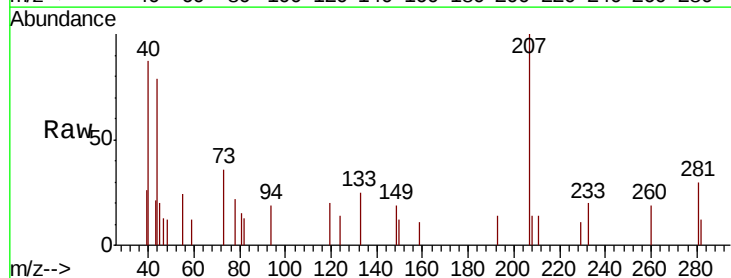
Instrument :
MSVOA_F
ClientSampled :
B-3

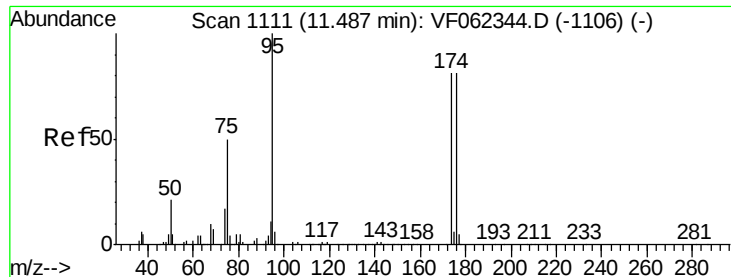
Tot Ion: 63 Resp: 63
Ion Ratio Lower Upper
63 100
106 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 3.733 ug/l
RT: 9.77 min Scan# 937
Delta R.T. 0.15 min
Lab File: VF062450.D
Acq: 11 May 2019 6:24

Tgt Ion: 43 Resp: 299
Ion Ratio Lower Upper
43 100
58 29.1 24.3 73.0





#62

4-Bromofluorobenzene

Concen: 62.397 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062450.D

Acq: 11 May 2019 6:24

Instrument :

MSVOA_F

ClientSampleId :

B-3

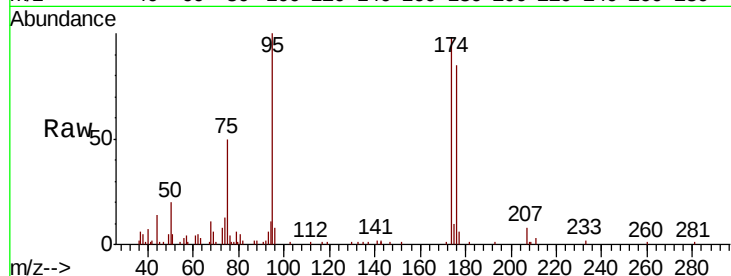
Tot Ion: 95 Resp: 21233

Ion Ratio Lower Upper

95 100

174 99.0 0.0 191.8

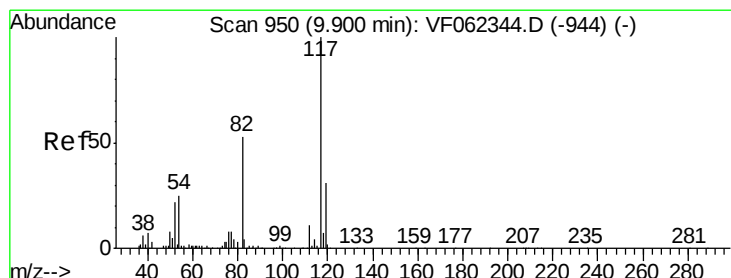
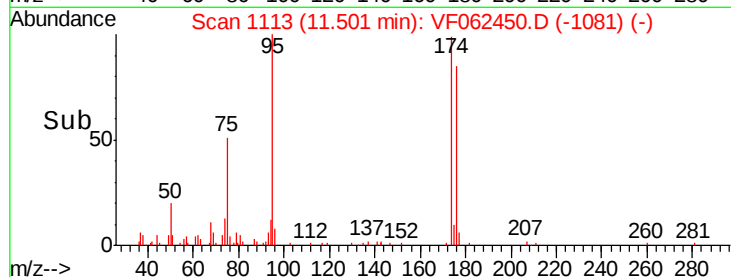
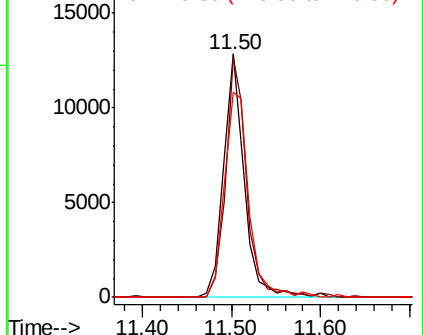
176 99.5 0.0 193.2



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: 9.92 min Scan# 953

Delta R.T. 0.02 min

Lab File: VF062450.D

Acq: 11 May 2019 6:24

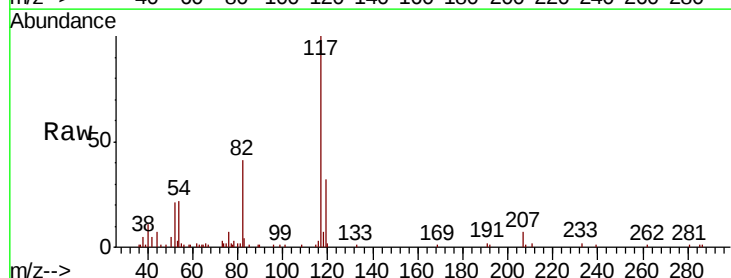
Tgt Ion: 117 Resp: 39781

Ion Ratio Lower Upper

117 100

82 39.9 42.2 63.2#

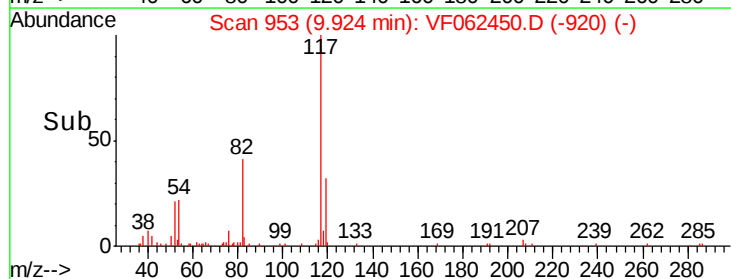
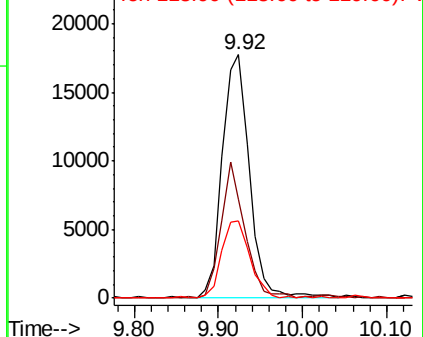
119 31.6 25.0 37.4

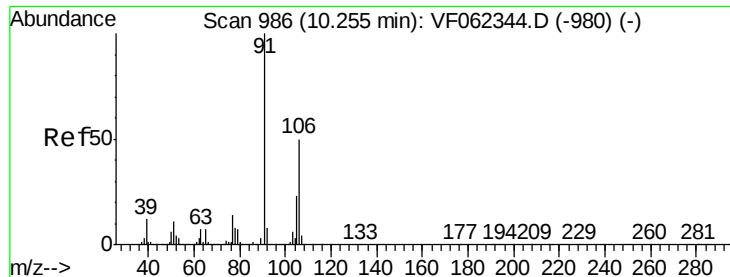


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V

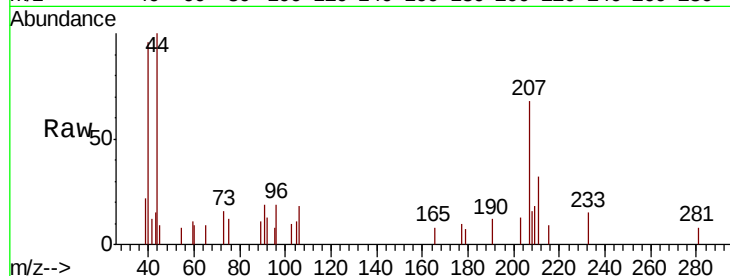




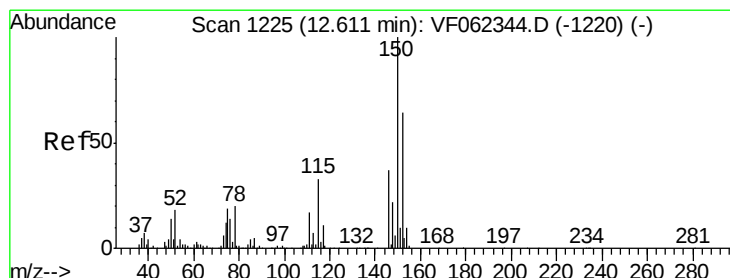
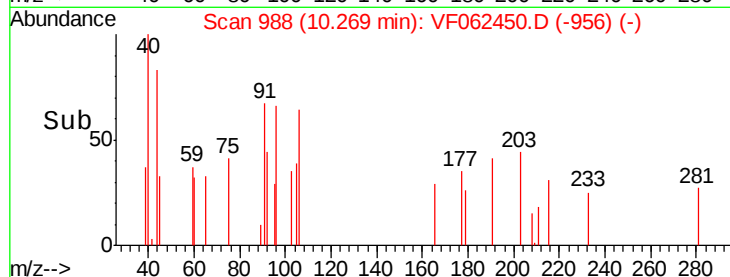
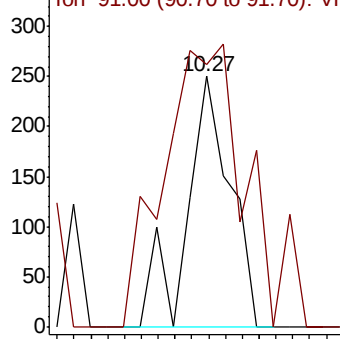
#68
m/p-Xvlenes
Concen: 1.053 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.01 min
Lab File: VF062450.D
Acq: 11 May 2019 6:24

Instrument :
MSVOA_F
ClientSampled :
B-3

Tot Ion:106 Resp: 448
Ion Ratio Lower Upper
106 100
91 217.0 167.4 251.2

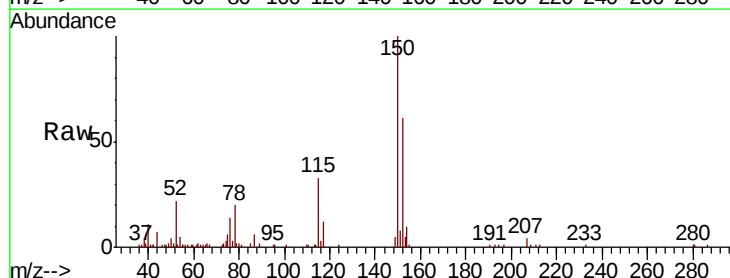


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

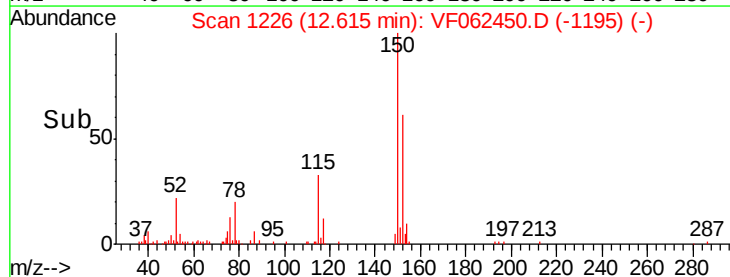
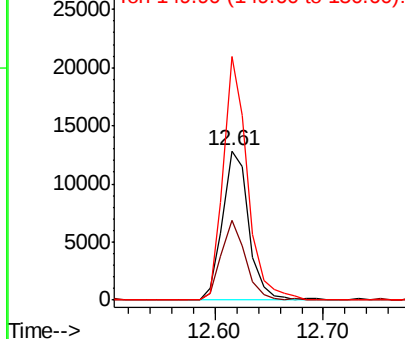


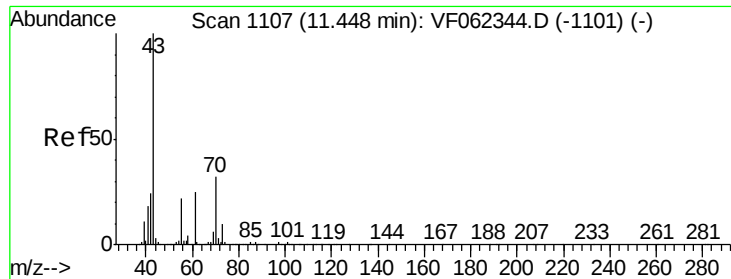
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VF062450.D
Acq: 11 May 2019 6:24

Tgt Ion:152 Resp: 21769
Ion Ratio Lower Upper
152 100
115 49.3 26.4 79.2
150 149.7 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





#74

N-amvl acetate

Concen: 2.054 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF062450.D

Acq: 11 May 2019 6:24

Instrument :

MSVOA_F

ClientSampled :

B-3

Tot Ion: 43 Resp: 569

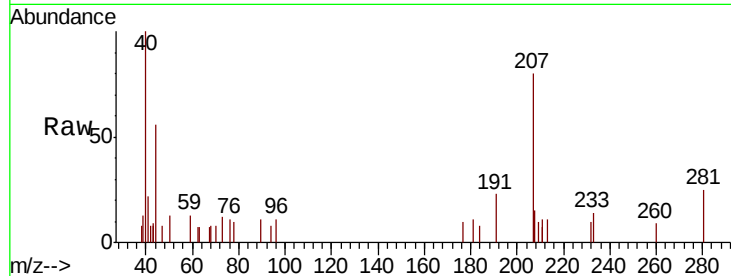
Ion Ratio Lower Upper

43 100

70 13.0 26.5 39.7#

55 27.4 17.8 26.6#

61 0.0 20.2 30.2#

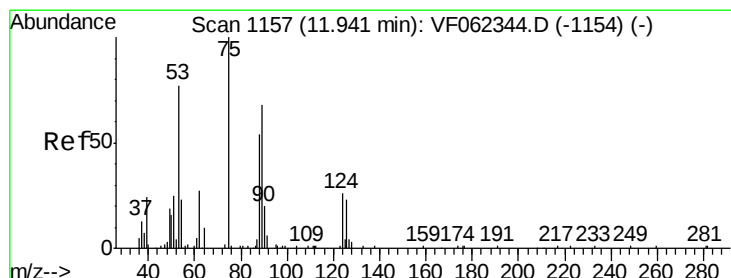
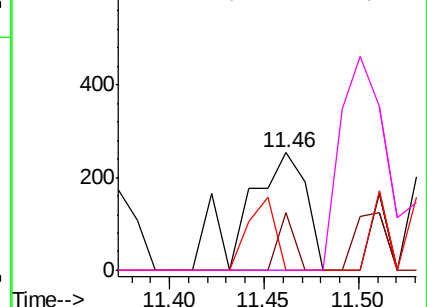
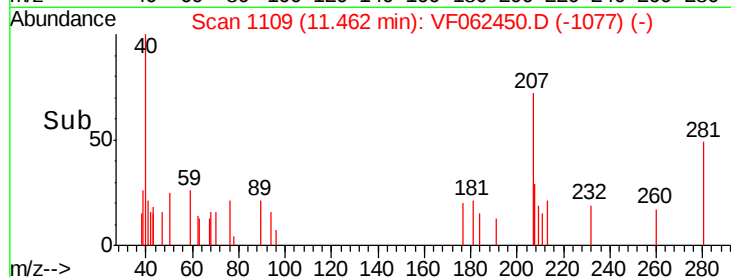


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#81

trans-1,4-Dichloro-2-butene

Concen: 2.261 ug/l

RT: 11.93 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062450.D

Acq: 11 May 2019 6:24

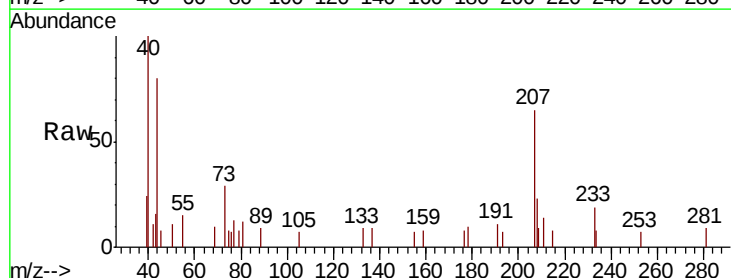
Tgt Ion: 75 Resp: 131

Ion Ratio Lower Upper

75 100

53 0.0 71.9 107.9#

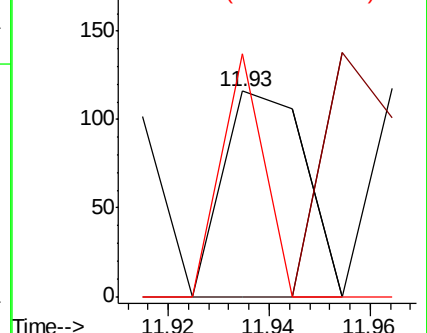
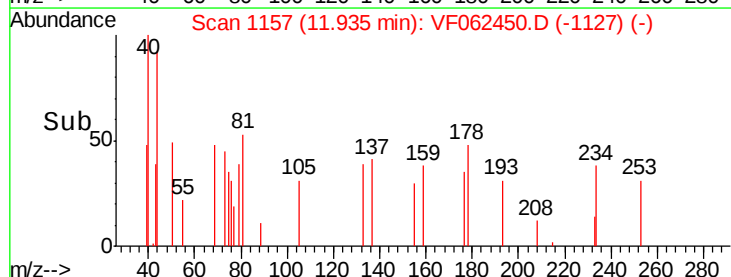
89 61.8 0.0 0.0#

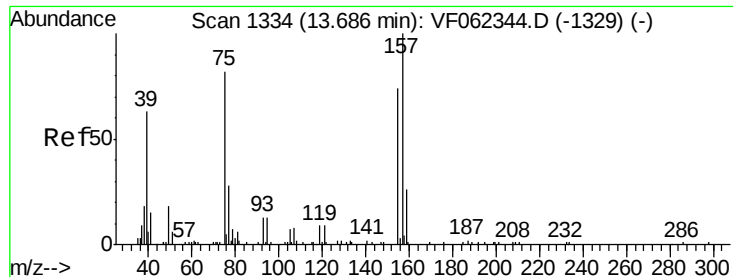


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.165 ug/l

RT: 13.74 min Scan# 1340

Delta R.T. 0.05 min

Lab File: VF062450.D

Acq: 11 May 2019 6:24

Instrument :

MSVOA_F

ClientSampleId :

B-3

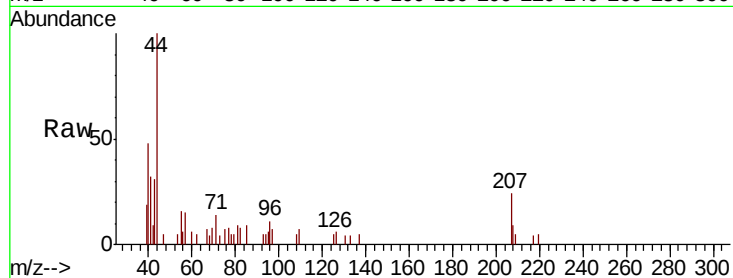
Tot Ion: 75 Resp: 98

Ion Ratio Lower Upper

75 100

155 0.0 51.8 155.4#

157 0.0 67.3 201.8#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

13.74

150

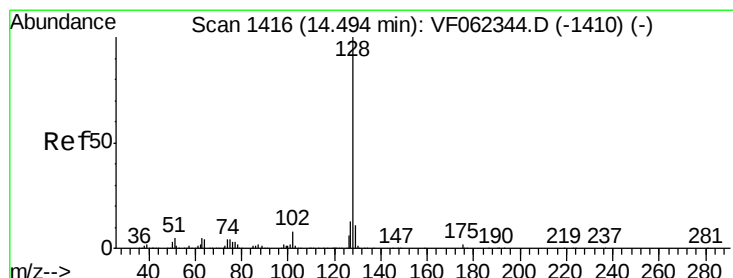
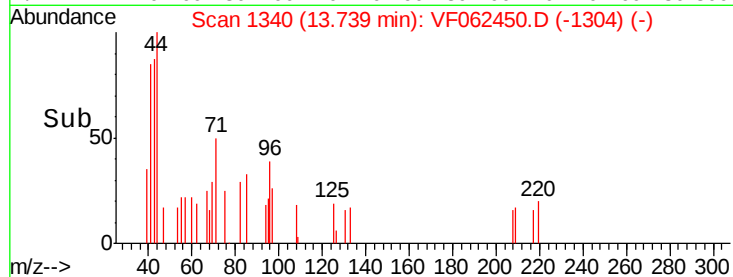
100

50

0

13.70 13.72 13.74 13.76

Time-->



#95

Naphthalene

Concen: 10.718 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VF062450.D

Acq: 11 May 2019 6:24

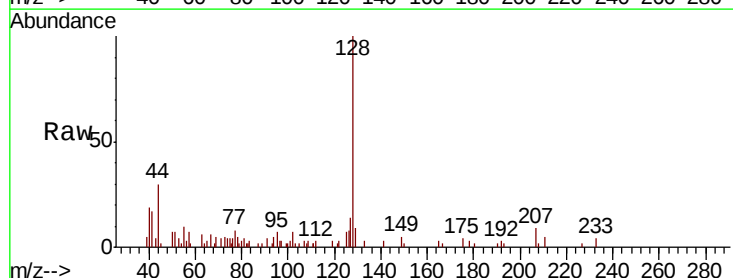
Tgt Ion: 128 Resp: 8654

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

129 7.4 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

8000

6000

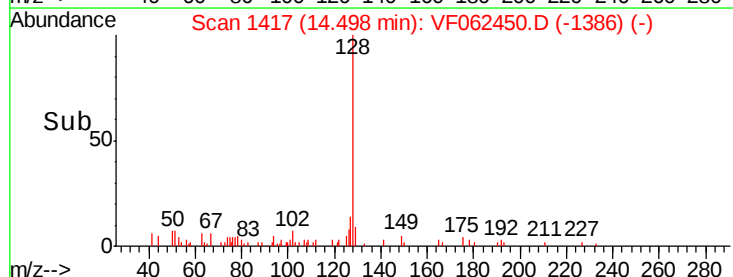
4000

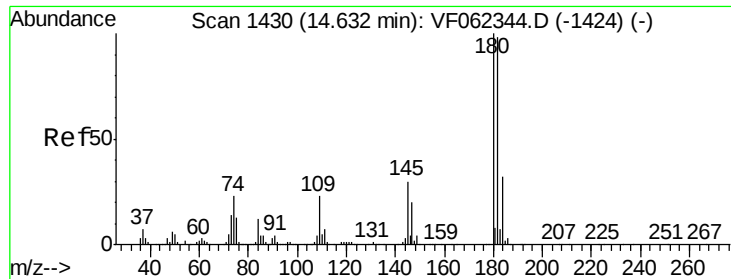
2000

0

14.40 14.50

Time-->





#96

1,2,3-Trichlorobenzene

Concen: 1.015 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062450.D

Acq: 11 May 2019 6:24

Instrument :

MSVOA_F

ClientSampleId :

B-3

Tot Ion:180 Resp: 528

Ion Ratio Lower Upper

180 100

182 22.3 49.4 148.0#

145 0.0 14.8 44.3#

