

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059741.D
 Acq On : 1 Aug 2018 7:49
 Operator : VA/AP
 Sample : J4140-06RE
 Misc : 6.91a/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 01 08:34:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	36653	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	41557	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	24830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	4877	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	18636	28.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	56.58%	
35) Dibromofluoromethane	4.29	113	16205	37.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.08%	
50) Toluene-d8	7.71	98	34504	34.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.56%	
62) 4-Bromofluorobenzene	11.51	95	6159	11.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.10%	

Target Compounds					Qvalue
3) Chloromethane	1.09	50	266	Below Cal	# 79
4) Vinyl Chloride	1.21	62	63	Below Cal	# 47
5) Bromomethane	1.49	94	311	Below Cal	# 88
6) Chloroethane	1.46	64	76	Below Cal	# 35
8) Diethyl Ether	1.69	74	191	1.632 ug/l	78
10) Methyl Iodide	2.11	142	102	Below Cal	# 1
11) Tert butyl alcohol	2.71	59	66	1.032 ug/l	# 74
13) Acrolein	1.97	56	80	21.445 ug/l	# 4
15) Acrylonitrile	3.09	53	91	2.201 ug/l	# 7
16) Acetone	2.33	43	2104	17.757 ug/l	# 31
17) Carbon Disulfide	1.95	76	79	Below Cal	# 71
18) Methyl Acetate	2.43	43	166	Below Cal	# 64
20) Methylene Chloride	2.28	84	1345	Below Cal	# 54
21) trans-1,2-Dichloroethene	2.38	96	81	Below Cal	# 1
28) Bromochloromethane	3.89	49	93	Below Cal	# 15
29) Tetrahydrofuran	4.30	42	121	2.381 ug/l	# 39
31) Cyclohexane	3.81	56	138	Below Cal	# 15
36) 1,1-Dichloropropene	4.41	75	68	Below Cal	# 46
37) Ethyl Acetate	4.29	43	166	Below Cal	# 19
39) Methylcyclohexane	5.54	83	88	Below Cal	# 13
41) Methacrylonitrile	4.90	41	176	Below Cal	# 40
48) Methyl methacrylate	6.88	41	322	1.723 ug/l	# 56
52) Toluene	7.79	92	81	Below Cal	# 1
58) 2-Chloroethyl Vinyl ether	7.77	63	138	5.042 ug/l	100
68) m/p-Xylenes	10.26	106	81	Below Cal	# 38
74) N-amyl acetate	11.46	43	145	1.796 ug/l	# 48
76) 1,2,3-Trichloropropane	11.87	75	65	1.269 ug/l	# 39
78) n-propylbenzene	11.68	91	64	Below Cal	# 54
79) 2-Chlorotoluene	11.80	91	69	Below Cal	# 44
81) trans-1,4-Dichloro-2-buten	12.00	75	181	8.533 ug/l	# 9
84) 1,2,4-Trimethylbenzene	12.29	105	162	Below Cal	# 33
85) sec-Butylbenzene	12.29	105	162	Below Cal	# 57
86) p-Isopropyltoluene	12.54	119	62	Below Cal	# 49
87) 1,3-Dichlorobenzene	12.56	146	67	Below Cal	# 24

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Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

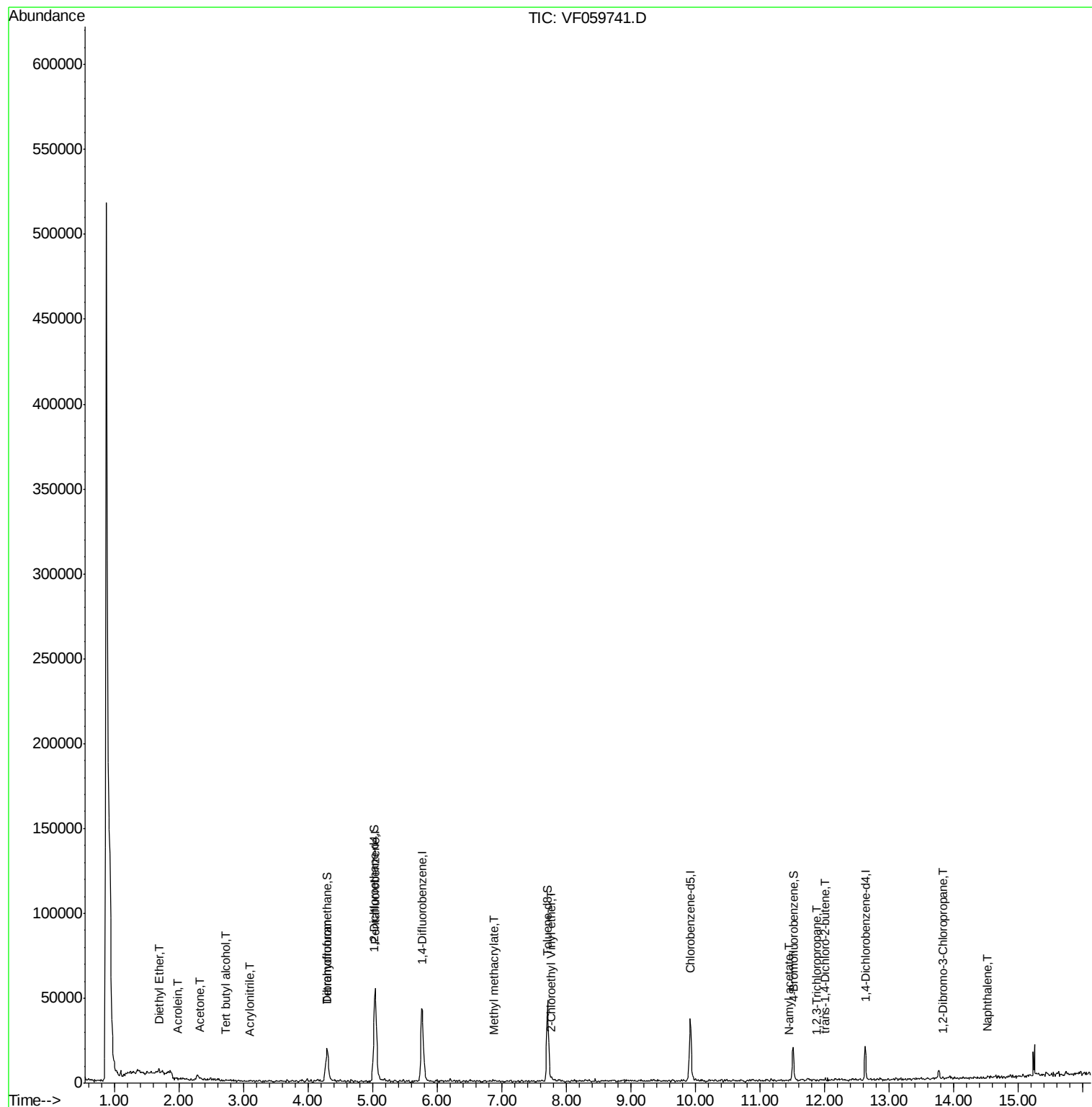
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	12.56	146	67	Below Cal	#	24
92) 1,2-Dibromo-3-Chloropropan	13.85	75	74	5.025 ug/l	#	9
93) 1,2,4-Trichlorobenzene	14.25	180	94	Below Cal	#	12
95) Naphthalene	14.52	128	212	1.008 ug/l	#	70

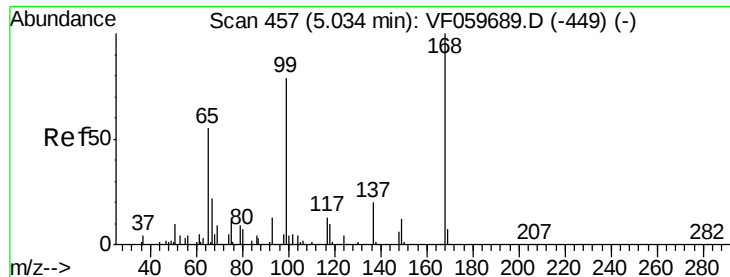
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059741.D

Acq: 1 Aug 2018 7:49

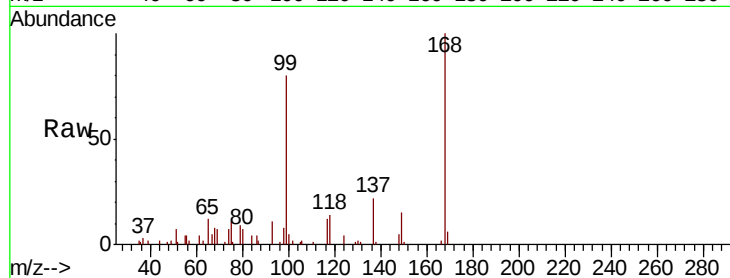
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 36653

Ion Ratio Lower Upper

168 100

99 79.7 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

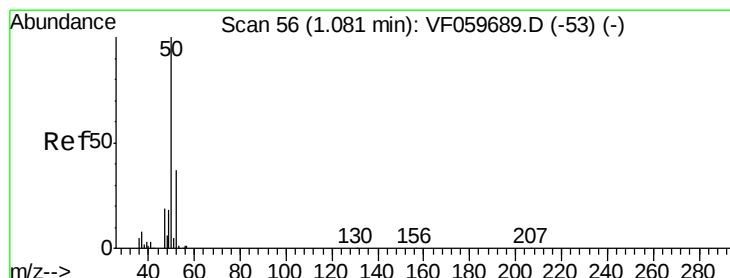
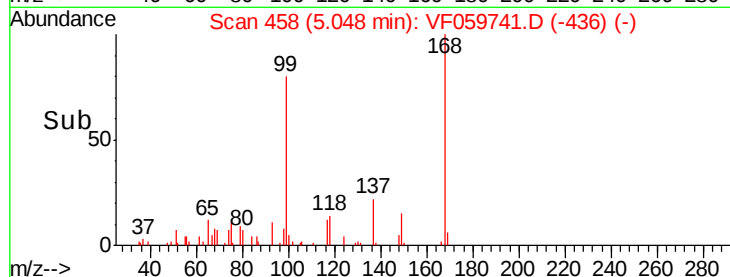
5.05

10000

5000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059741.D

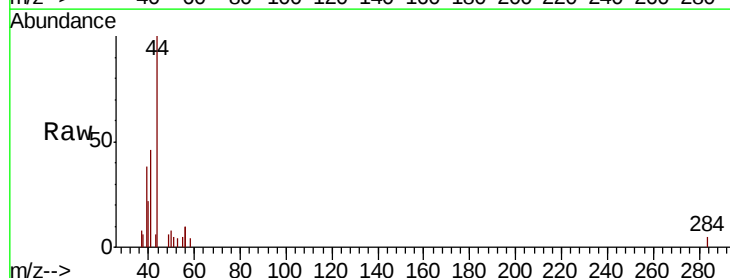
Acq: 1 Aug 2018 7:49

Tgt Ion: 50 Resp: 266

Ion Ratio Lower Upper

50 100

52 48.6 29.1 43.7#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.09

250

200

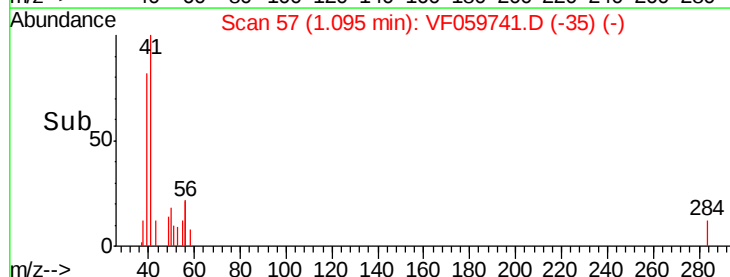
150

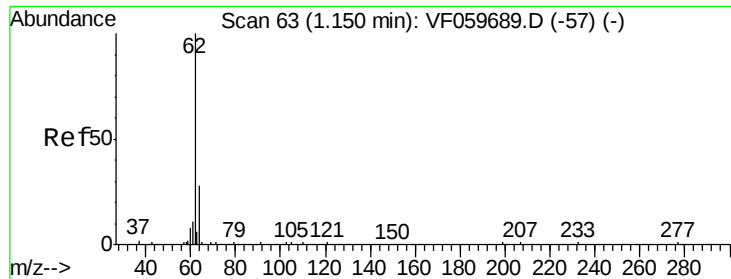
100

50

0

Time-->





#4

Vinyl Chloride

Concen: Below Cal

RT: 1.21 min Scan# 69

Delta R.T. 0.06 min

Lab File: VF059741.D

Acq: 1 Aug 2018 7:49

Instrument :

MSVOA_F

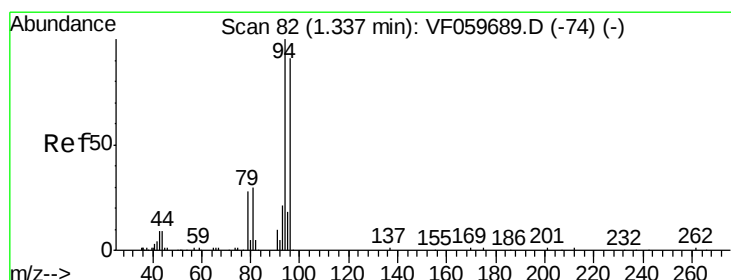
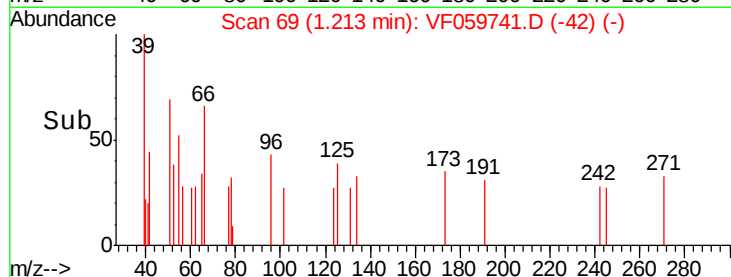
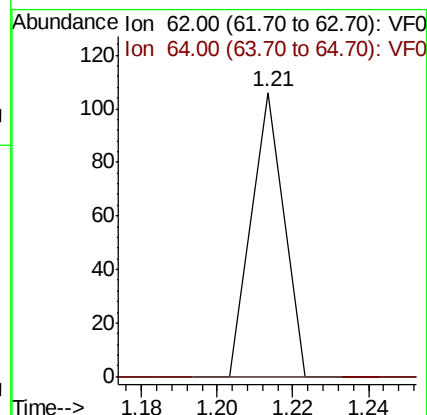
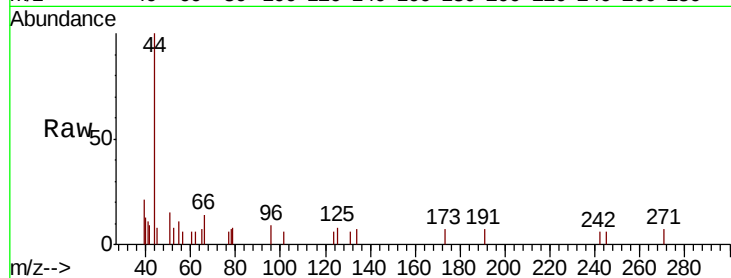
ClientSampleId :

Tot Ion: 62 Resp: 63

Ion Ratio Lower Upper

62 100

64 0.0 22.6 33.8#



#5

Bromomethane

Concen: Below Cal

RT: 1.49 min Scan# 97

Delta R.T. 0.15 min

Lab File: VF059741.D

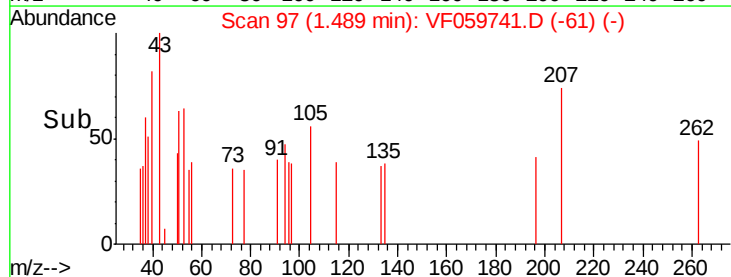
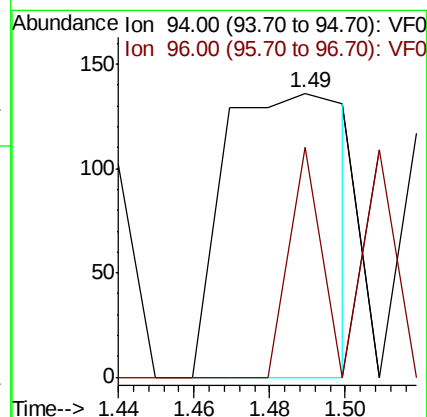
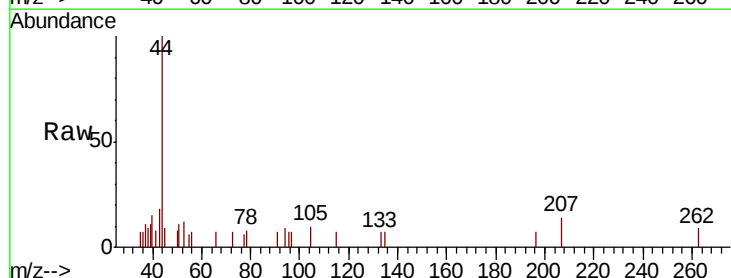
Acq: 1 Aug 2018 7:49

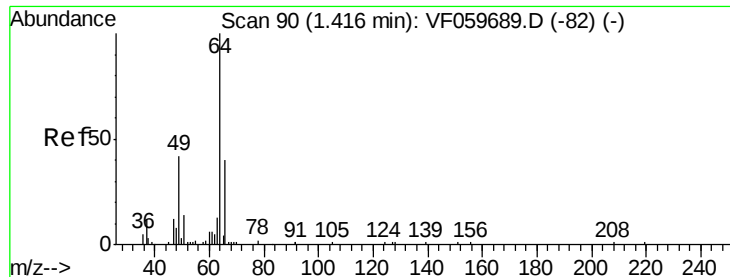
Tgt Ion: 94 Resp: 311

Ion Ratio Lower Upper

94 100

96 80.9 73.6 110.4





#6

Chloroethane

Concen: Below Cal

RT: 1.46 min Scan# 94

Delta R.T. 0.04 min

Lab File: VF059741.D

Acq: 1 Aug 2018 7:49

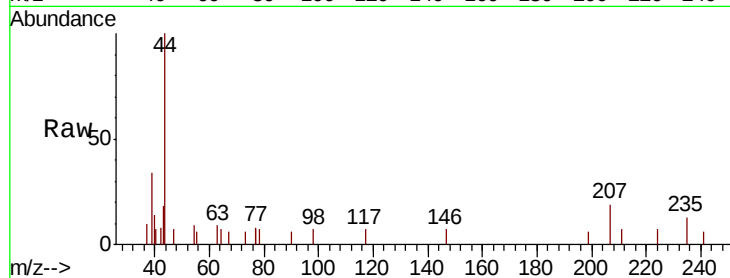
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 64 Resp: 76

Ion Ratio Lower Upper

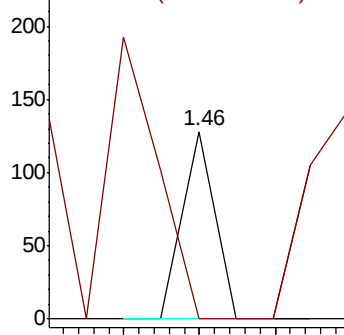
64 100

66 0.0 32.6 49.0#

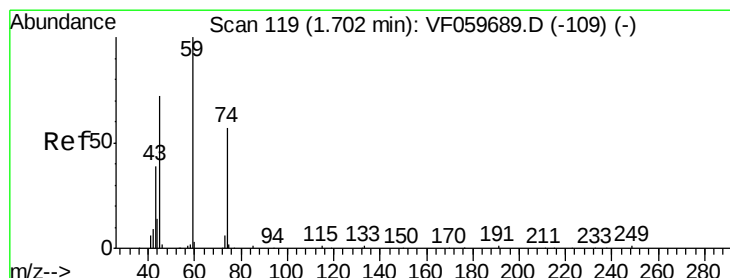
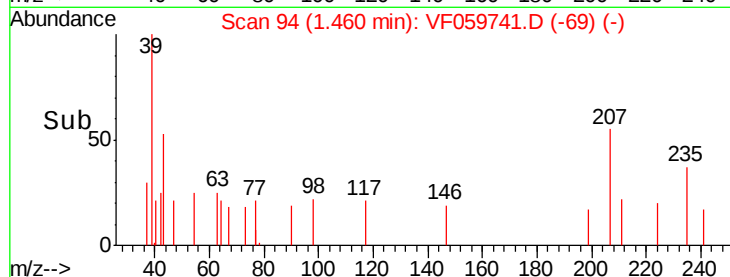


Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



Time-->



#8

Diethyl Ether

Concen: 1.632 ug/l

RT: 1.69 min Scan# 117

Delta R.T. -0.02 min

Lab File: VF059741.D

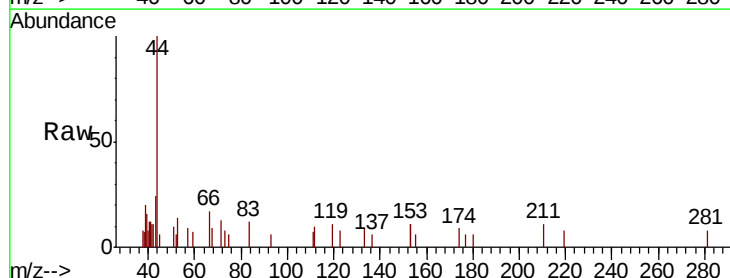
Acq: 1 Aug 2018 7:49

Tgt Ion: 74 Resp: 191

Ion Ratio Lower Upper

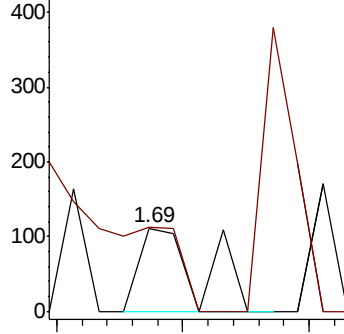
74 100

45 100.9 62.7 188.2

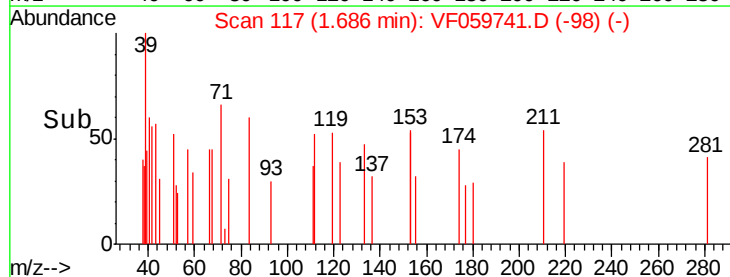


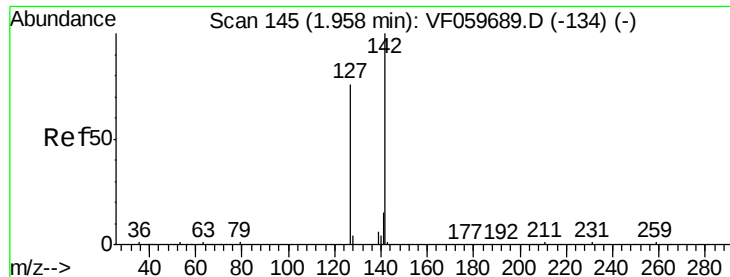
Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



Time-->

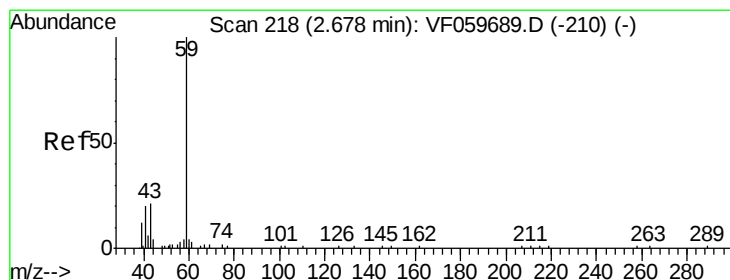
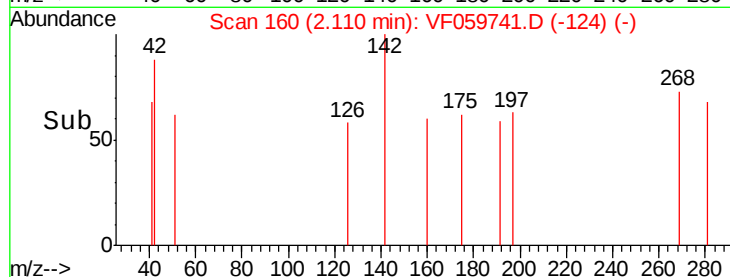
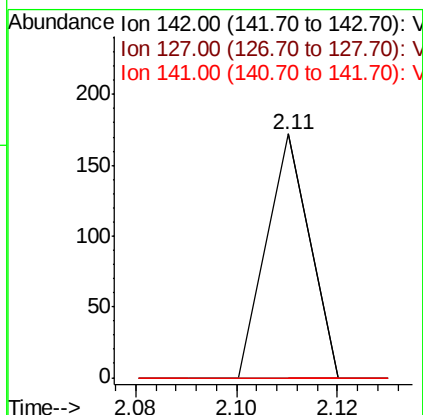
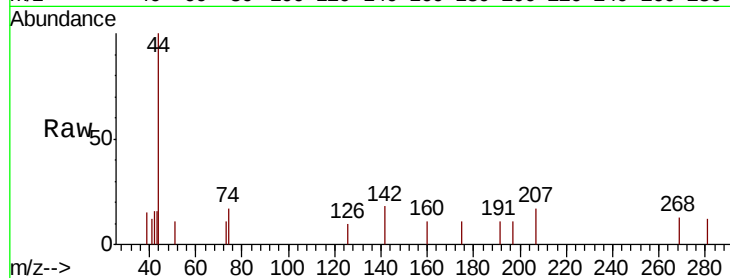




#10
Methvl Iodide
Concen: Below Cal
RT: 2.11 min Scan# 160
Delta R.T. 0.15 min
Lab File: VF059741.D
Acq: 1 Aug 2018 7:49

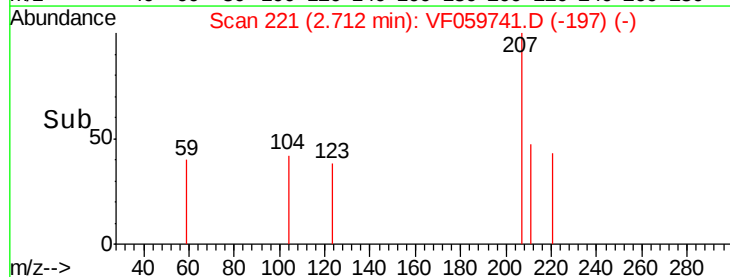
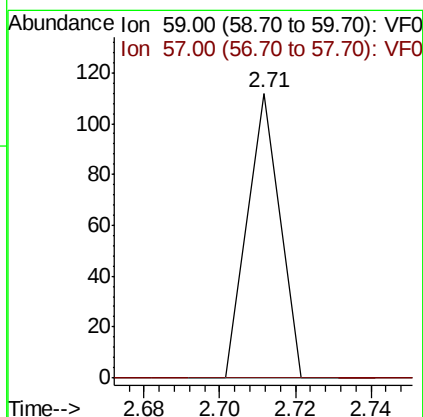
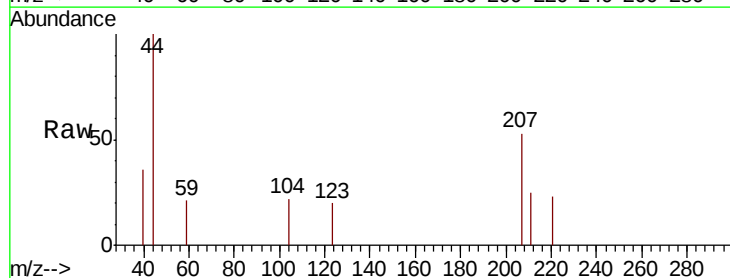
Instrument :
MSVOA_F
ClientSampleId :

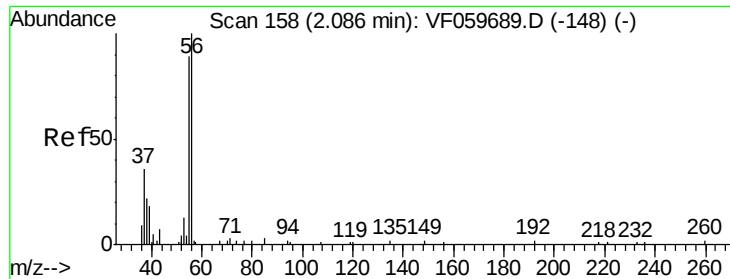
Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	60.6	91.0#
141	100.0	12.0	18.0#



#11
Tert butyl alcohol
Concen: 1.032 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.03 min
Lab File: VF059741.D
Acq: 1 Aug 2018 7:49

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.6	11.4#





#13

Acrolein

Concen: 21.445 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.11 min

Lab File: VF059741.D

Acq: 1 Aug 2018 7:49

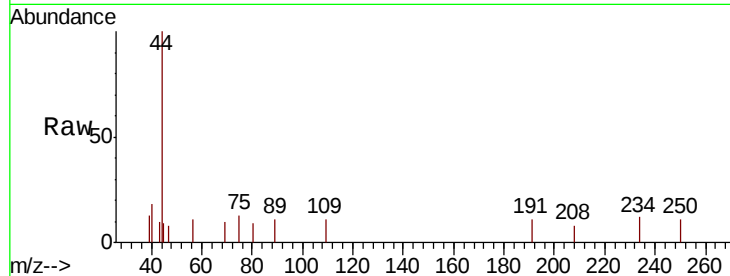
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 80

Ion Ratio Lower Upper

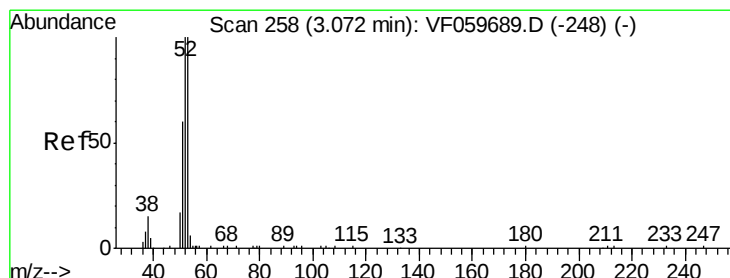
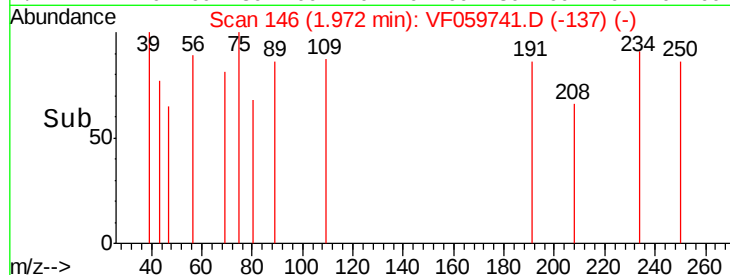
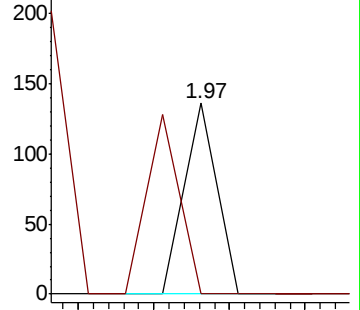
56 100

55 0.0 73.2 109.8#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#15

Acrylonitrile

Concen: 2.201 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF059741.D

Acq: 1 Aug 2018 7:49

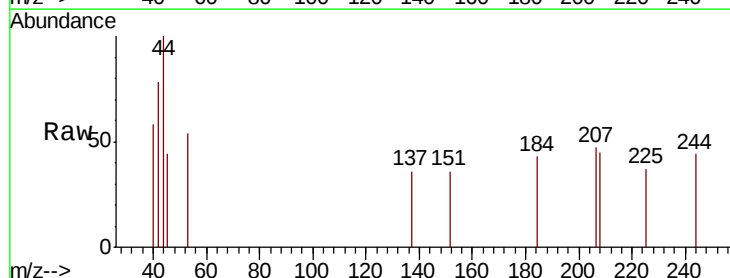
Tgt Ion: 53 Resp: 91

Ion Ratio Lower Upper

53 100

52 0.0 80.3 120.5#

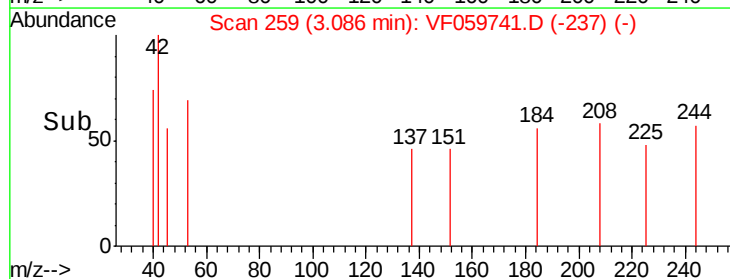
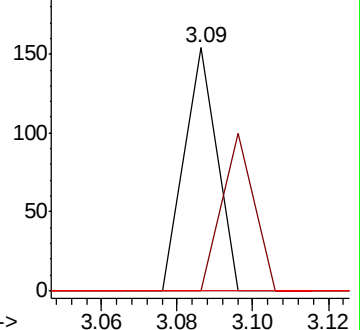
51 0.0 49.4 74.0#

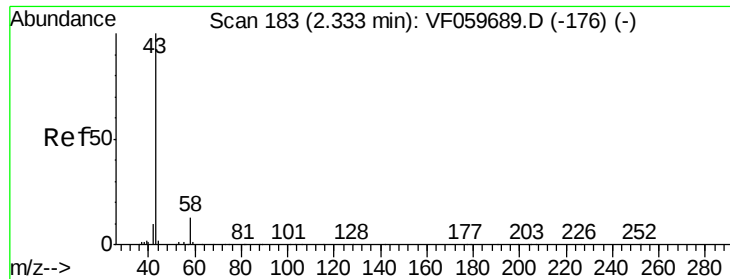


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 17.757 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF059741.D

Acq: 1 Aug 2018 7:49

Instrument :

MSVOA_F

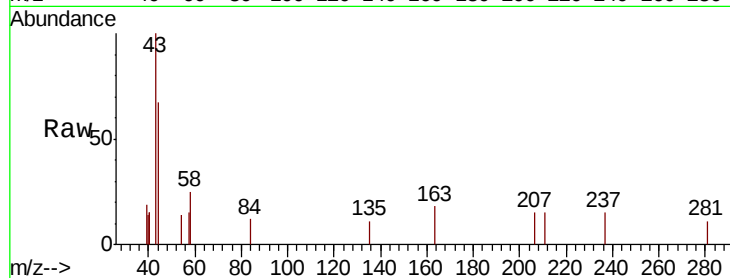
ClientSampled :

Tot Ion: 43 Resp: 2104

Ion Ratio Lower Upper

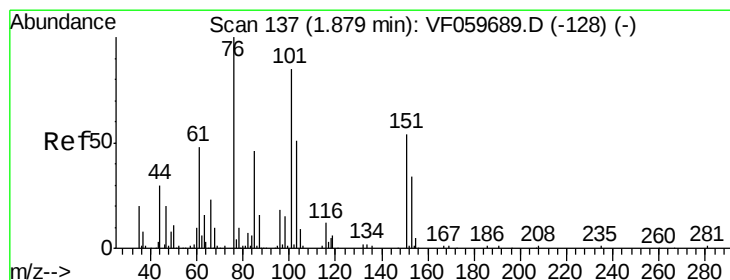
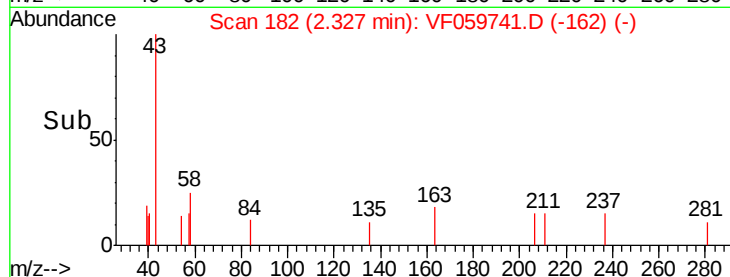
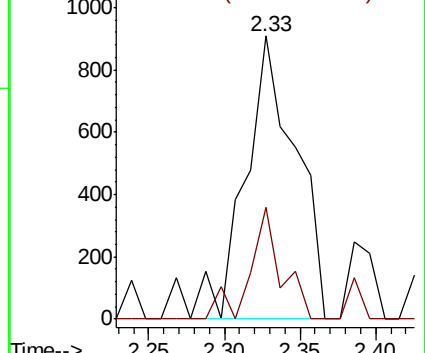
43 100

58 39.8 10.1 15.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#17

Carbon Disulfide

Concen: Below Cal

RT: 1.95 min Scan# 144

Delta R.T. 0.07 min

Lab File: VF059741.D

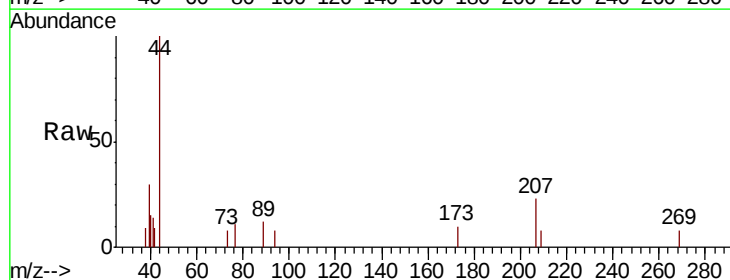
Acq: 1 Aug 2018 7:49

Tgt Ion: 76 Resp: 79

Ion Ratio Lower Upper

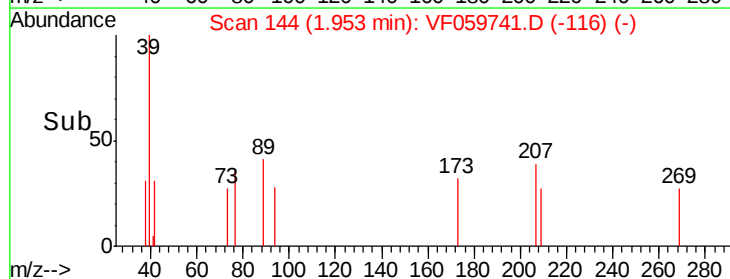
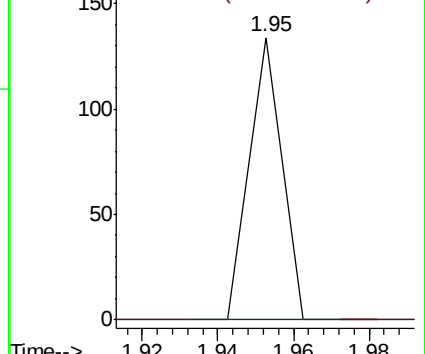
76 100

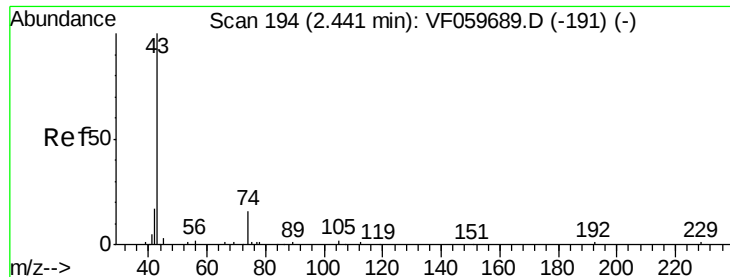
78 0.0 8.9 13.3#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

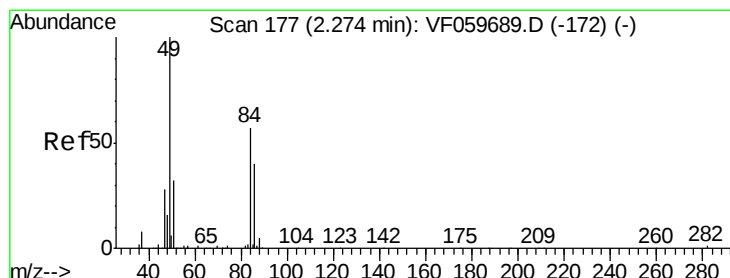
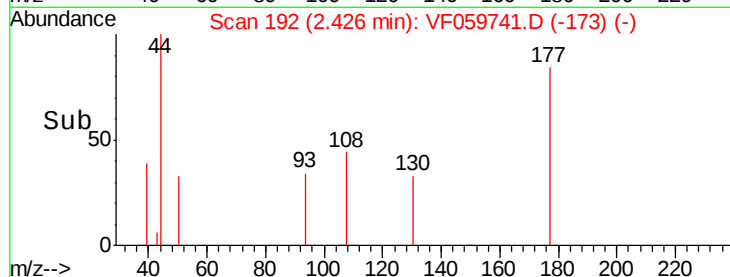
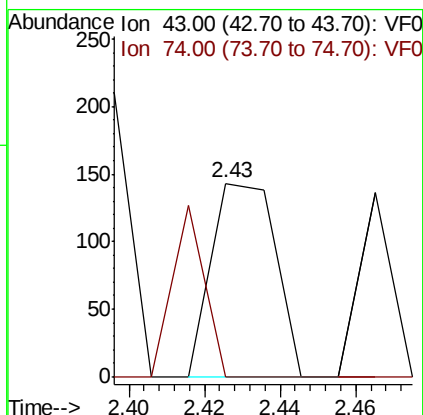
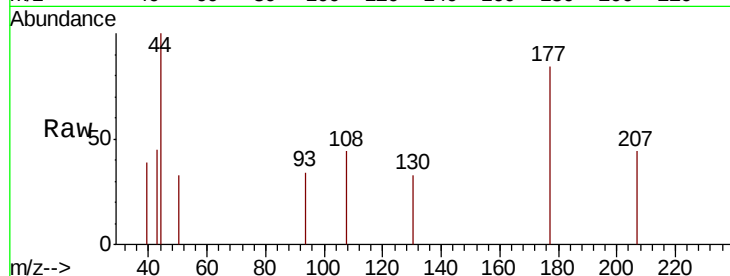




#18
Methyl Acetate
Concen: Below Cal
RT: 2.43 min Scan# 192
Delta R.T. -0.02 min
Lab File: VF059741.D
Acq: 1 Aug 2018 7:49

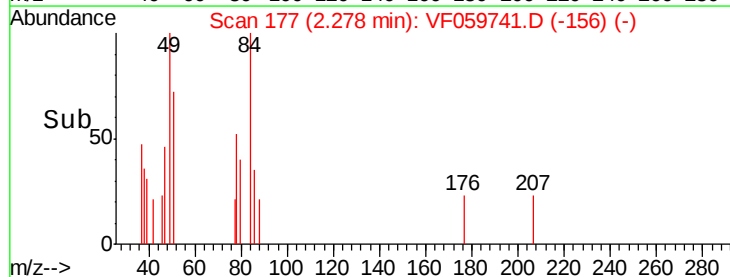
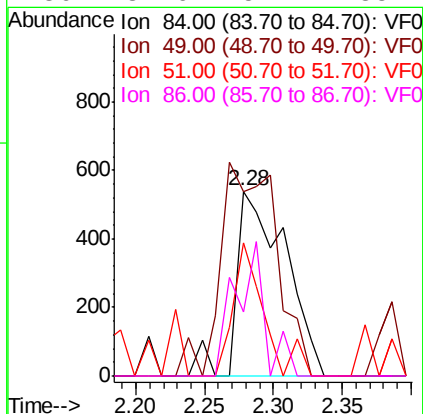
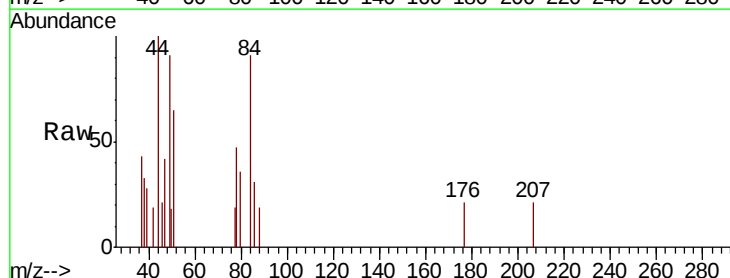
Instrument :
MSVOA_F
ClientSampled :

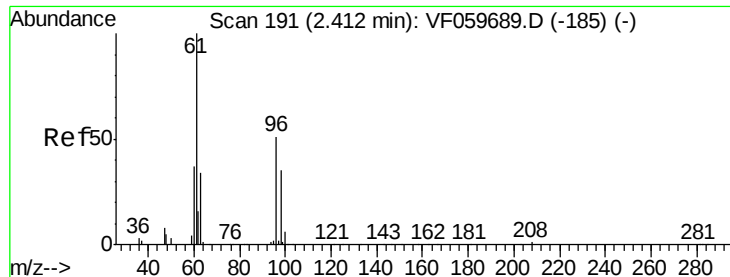
Tot Ion: 43 Resp: 166
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059741.D
Acq: 1 Aug 2018 7:49

Tgt Ion: 84 Resp: 1345
Ion Ratio Lower Upper
84 100
49 99.8 142.2 213.4#
51 72.0 46.2 69.2#
86 34.6 57.1 85.7#





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 2.38 min Scan# 187

Delta R.T. -0.03 min

Lab File: VF059741.D

Acq: 1 Aug 2018 7:49

Instrument :

MSVOA_F

ClientSampleId :

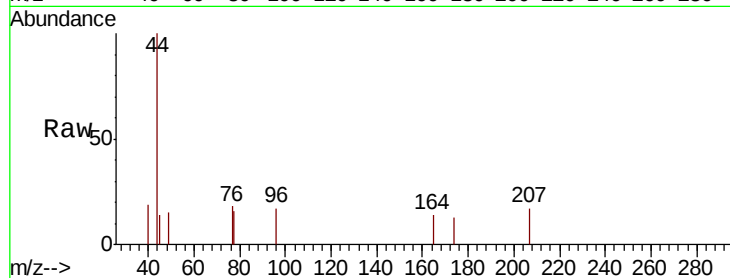
Tot Ion: 96 Resp: 81

Ion Ratio Lower Upper

96 100

61 0.0 157.4 236.0#

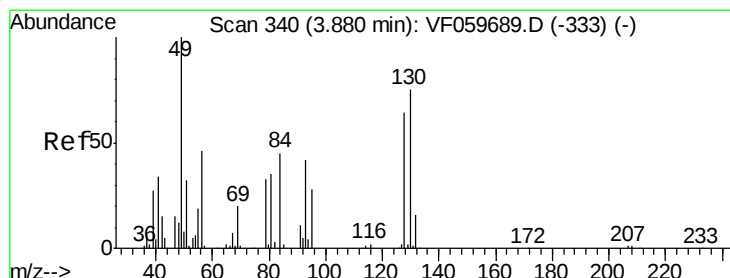
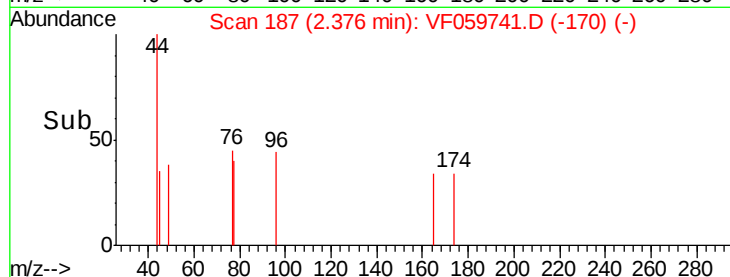
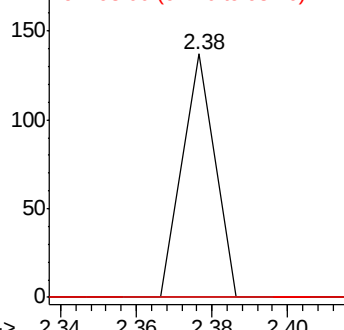
98 0.0 55.0 82.4#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane

Concen: Below Cal

RT: 3.89 min Scan# 341

Delta R.T. 0.01 min

Lab File: VF059741.D

Acq: 1 Aug 2018 7:49

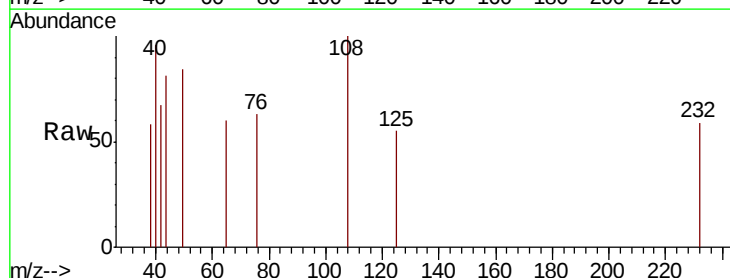
Tgt Ion: 49 Resp: 93

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

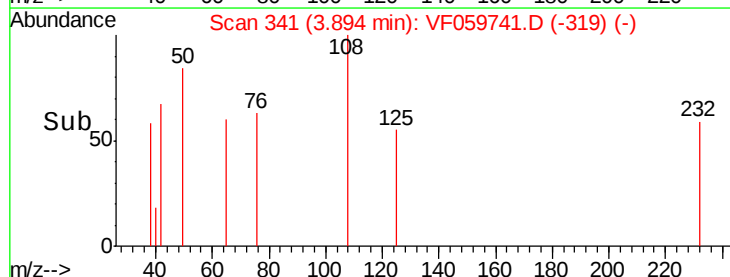
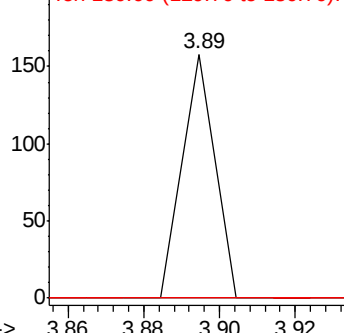
130 0.0 59.6 89.4#

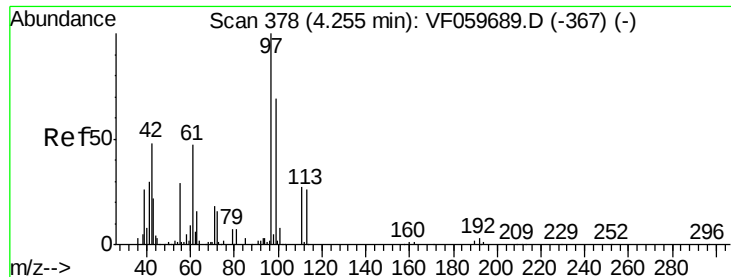


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V

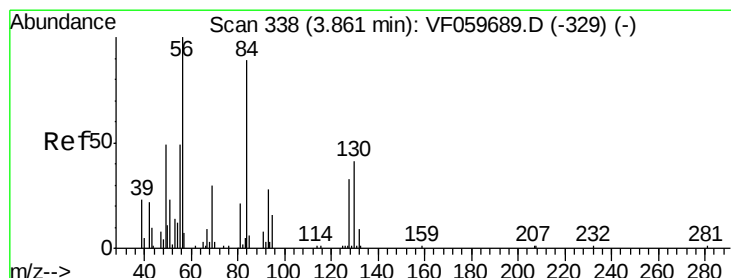
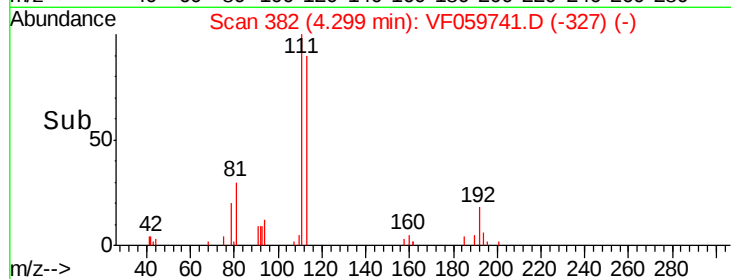
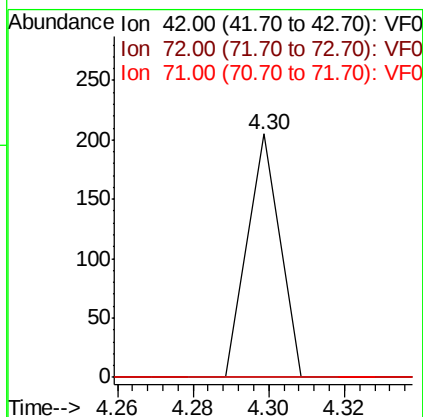
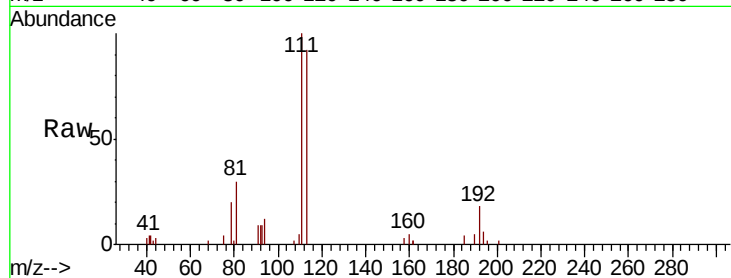




#29
Tetrahydrofuran
Concen: 2.381 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.04 min
Lab File: VF059741.D
Acq: 1 Aug 2018 7:49

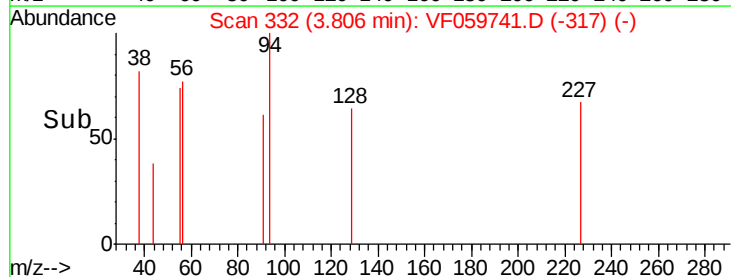
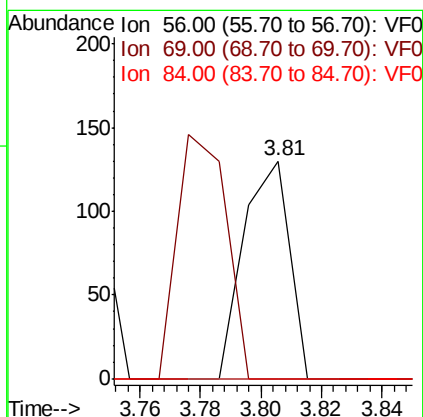
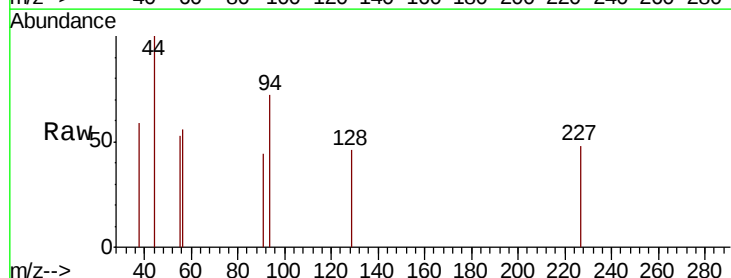
Instrument :
MSVOA_F
ClientSampled :

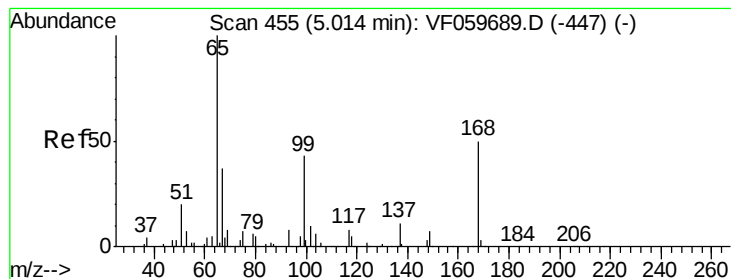
Tot Ion: 42 Resp: 121
Ion Ratio Lower Upper
42 100
72 0.0 27.0 40.6#
71 0.0 29.7 44.5#



#31
Cyclohexane
Concen: Below Cal
RT: 3.81 min Scan# 332
Delta R.T. -0.05 min
Lab File: VF059741.D
Acq: 1 Aug 2018 7:49

Tgt Ion: 56 Resp: 138
Ion Ratio Lower Upper
56 100
69 0.0 23.7 35.5#
84 0.0 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 28.291 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059741.D

Acq: 1 Aug 2018 7:49

Instrument :

MSVOA_F

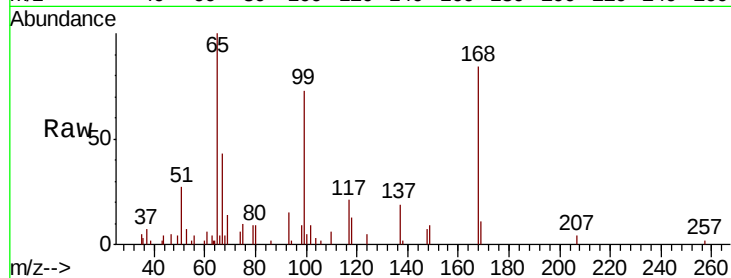
ClientSampleId :

Tot Ion: 65 Resp: 18636

Ion Ratio Lower Upper

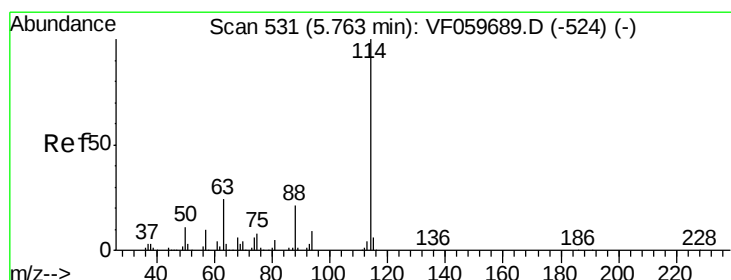
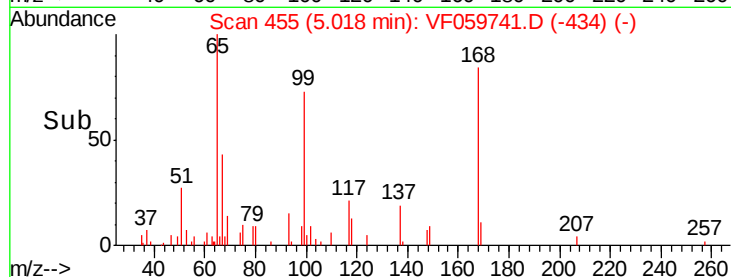
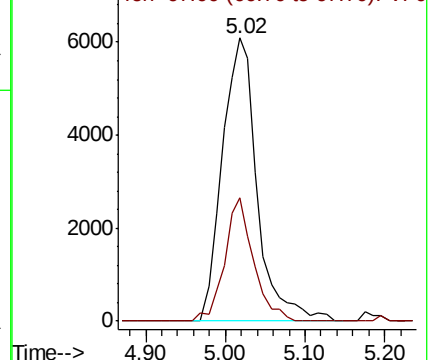
65 100

67 43.4 0.0 84.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. 0.00 min

Lab File: VF059741.D

Acq: 1 Aug 2018 7:49

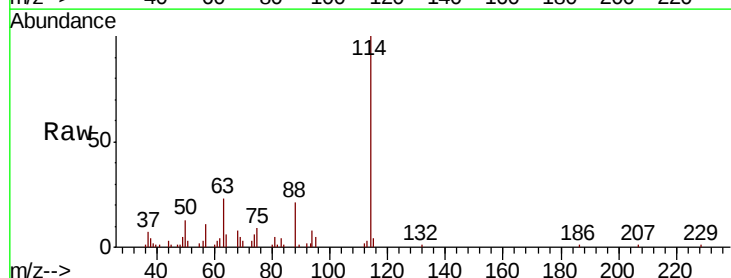
Tgt Ion: 114 Resp: 41557

Ion Ratio Lower Upper

114 100

63 23.0 0.0 47.4

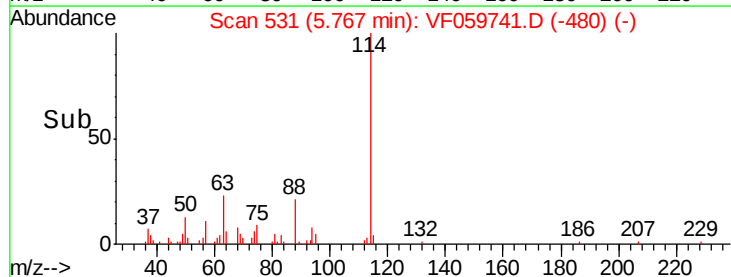
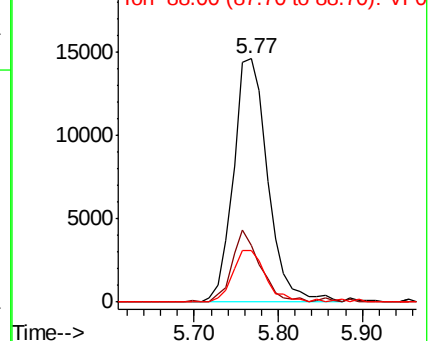
88 21.3 0.0 41.2

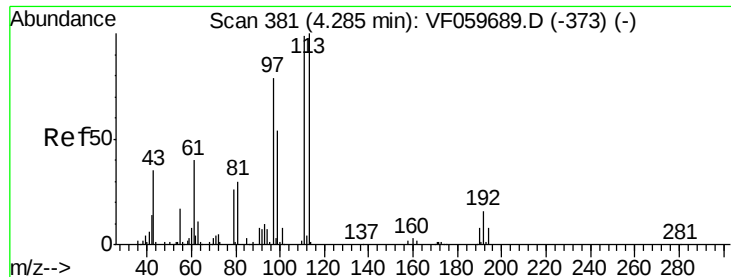


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

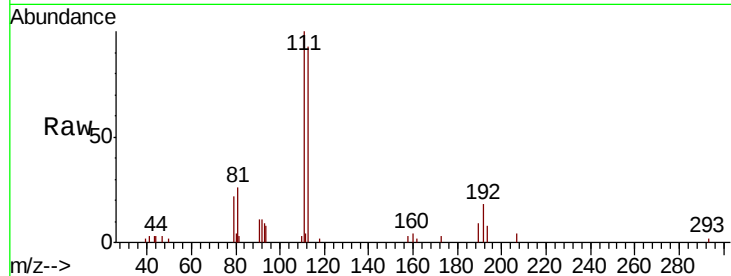




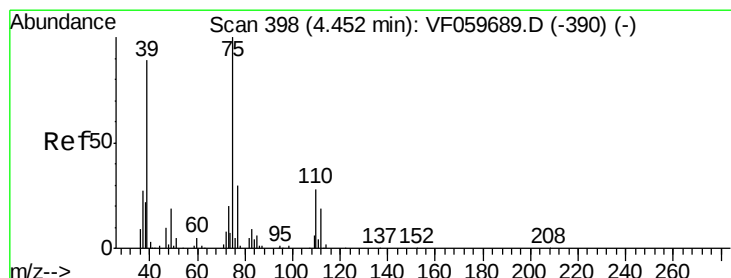
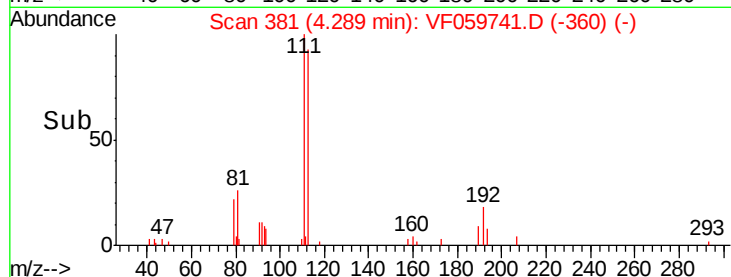
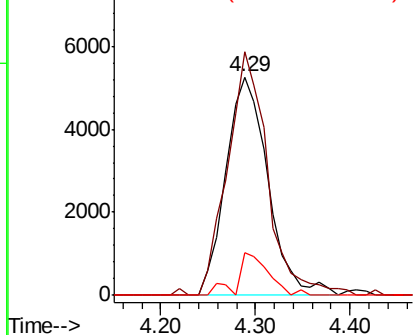
#35
 Dibromofluoromethane
 Concen: 37.543 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059741.D
 Acq: 1 Aug 2018 7:49

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	111.5	79.0	118.4
192	19.5	13.2	19.8

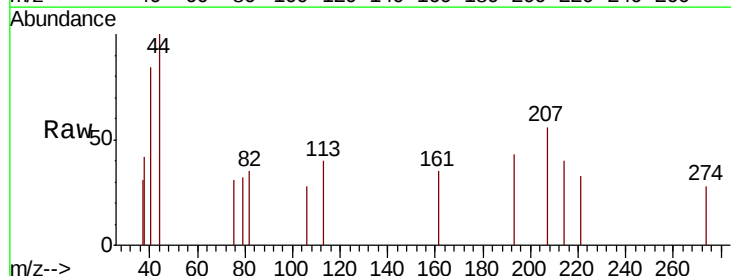


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

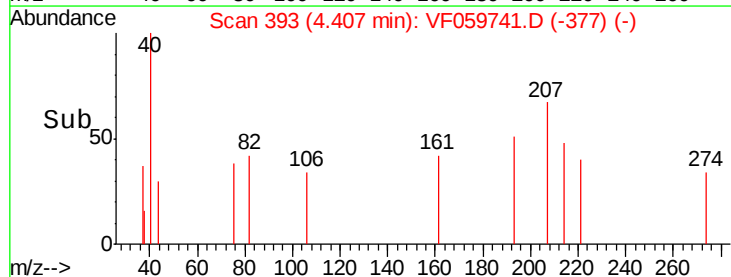
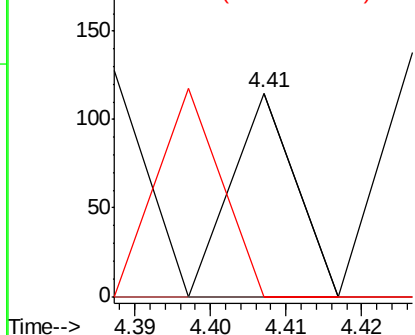


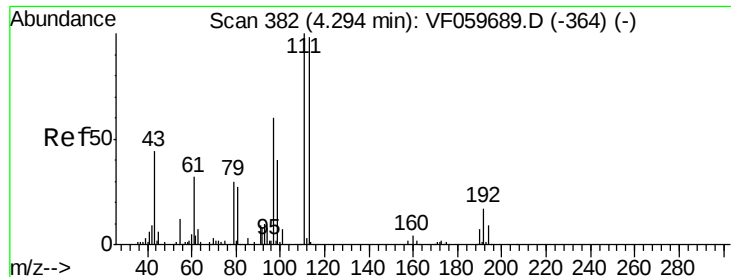
#36
 1,1-Dichloropropene
 Concen: Below Cal
 RT: 4.41 min Scan# 393
 Delta R.T. -0.04 min
 Lab File: VF059741.D
 Acq: 1 Aug 2018 7:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	14.0	41.9#
77	0.0	24.2	36.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: Below Cal

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059741.D

Acq: 1 Aug 2018 7:49

Instrument :
MSVOA_F
ClientSampleId :

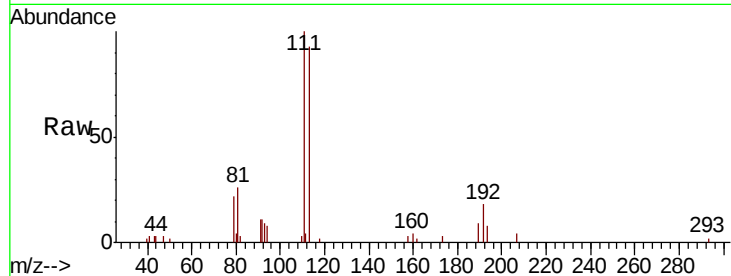
Tot Ion: 43 Resp: 166

Ion Ratio Lower Upper

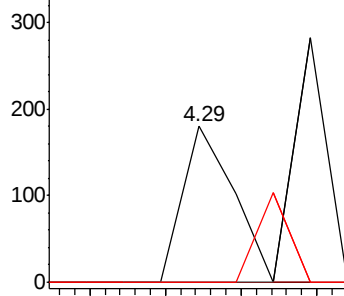
43 100

61 0.0 58.2 87.2#

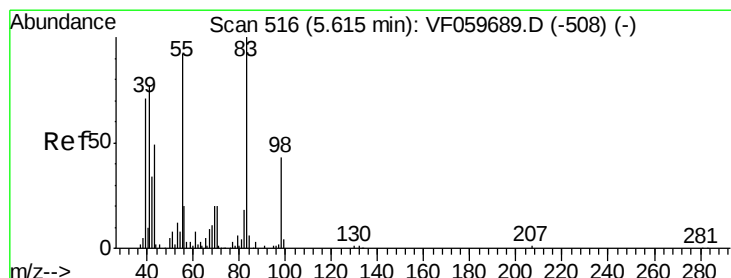
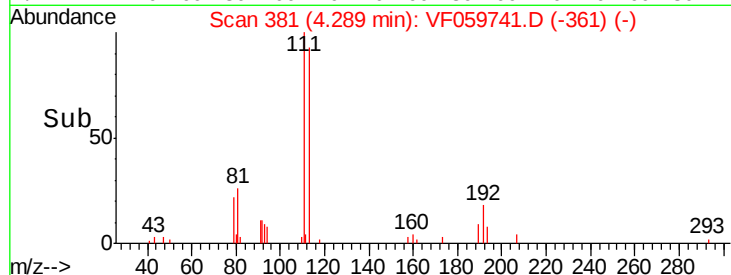
70 0.0 6.0 9.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0



Time-->



#39

Methylcyclohexane

Concen: Below Cal

RT: 5.54 min Scan# 508

Delta R.T. -0.07 min

Lab File: VF059741.D

Acq: 1 Aug 2018 7:49

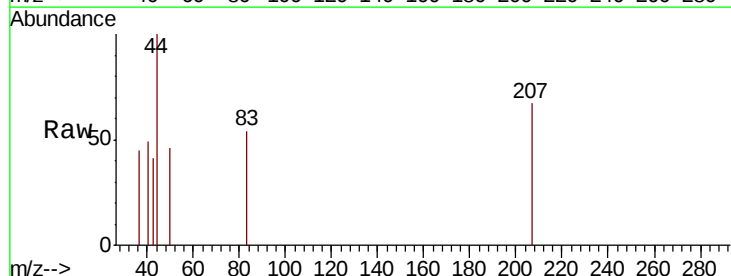
Tgt Ion: 83 Resp: 88

Ion Ratio Lower Upper

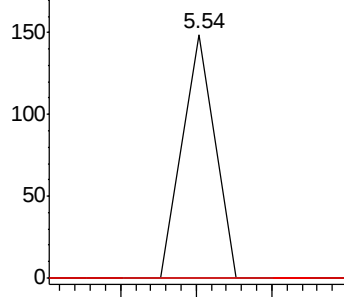
83 100

55 0.0 73.4 110.2#

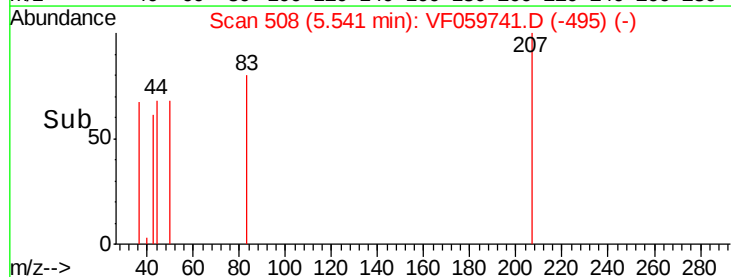
98 0.0 34.2 51.4#

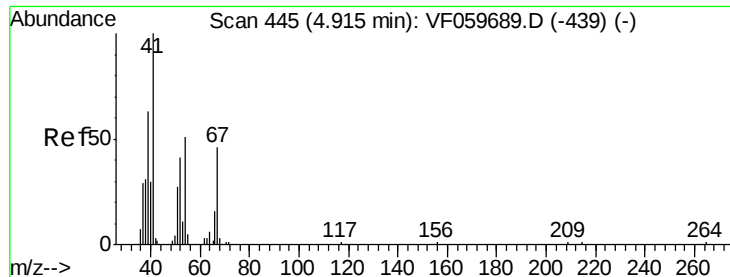


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



Time-->

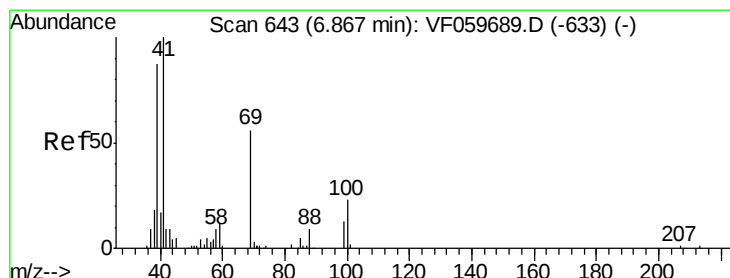
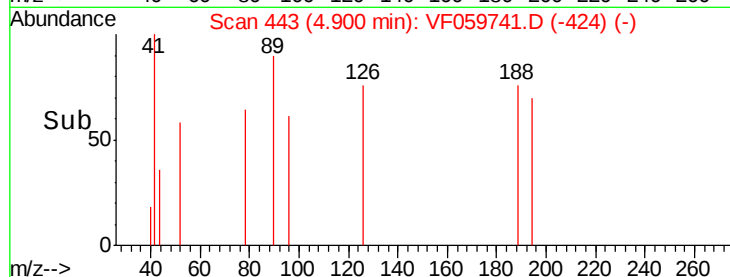
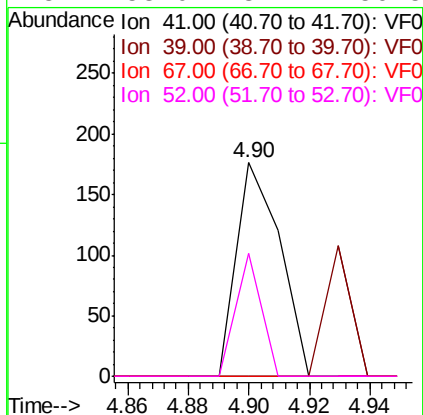
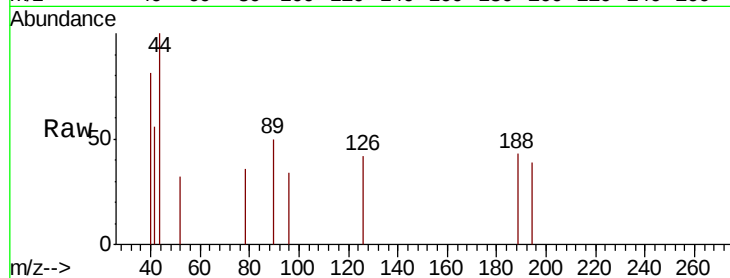




#41
Methacrylonitrile
Concen: Below Cal
RT: 4.90 min Scan# 443
Delta R.T. -0.02 min
Lab File: VF059741.D
Acq: 1 Aug 2018 7:49

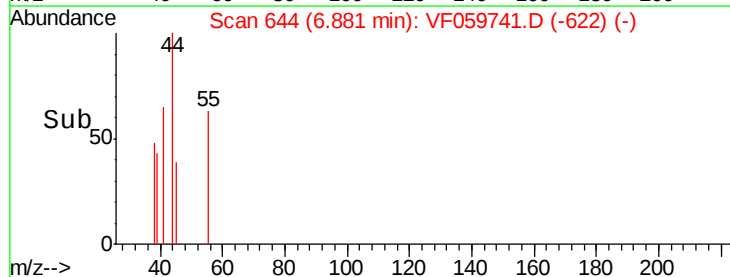
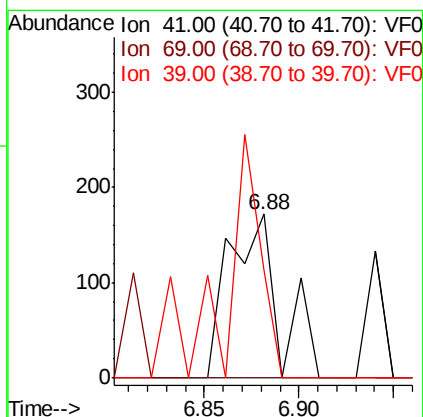
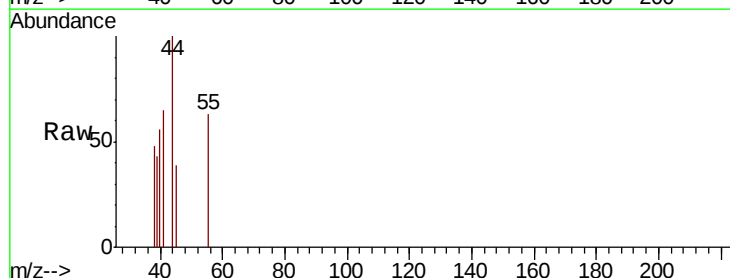
Instrument :
MSVOA_F
ClientSampled :

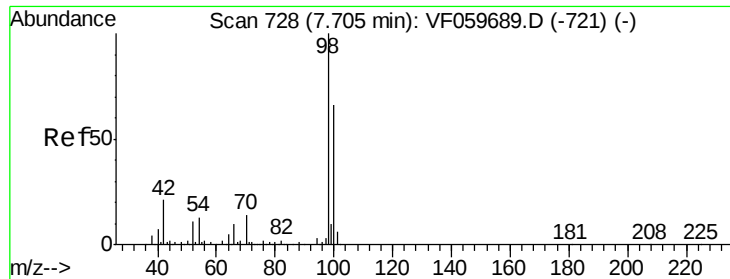
Tot Ion: 41 Resp: 176
Ion Ratio Lower Upper
41 100
39 0.0 55.2 82.8#
67 0.0 36.2 54.2#
52 58.0 37.7 56.5#



#48
Methyl methacrylate
Concen: 1.723 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.01 min
Lab File: VF059741.D
Acq: 1 Aug 2018 7:49

Tgt Ion: 41 Resp: 322
Ion Ratio Lower Upper
41 100
69 0.0 44.4 66.6#
39 65.7 69.4 104.2#





#50

Toluene-d8

Concen: 34.280 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059741.D

Acq: 1 Aug 2018 7:49

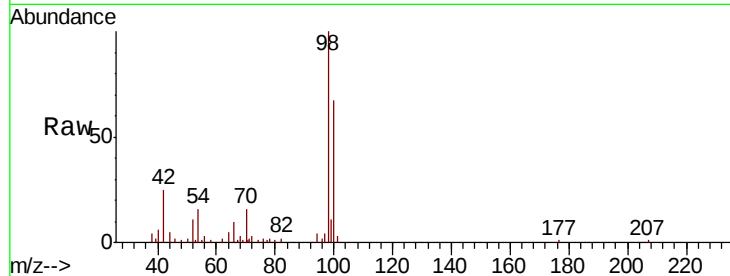
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 98 Resp: 34504

Ion Ratio Lower Upper

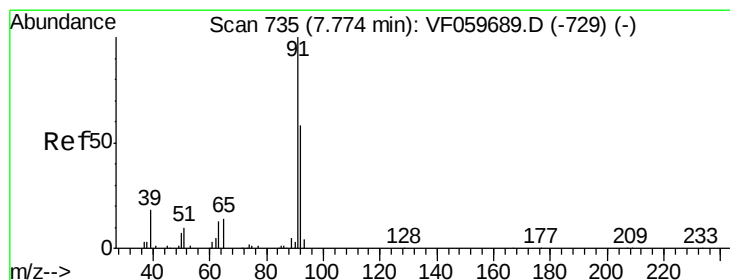
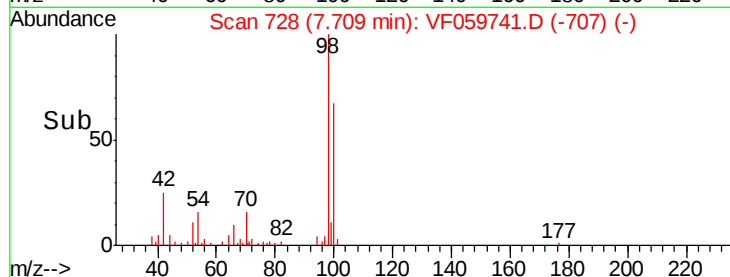
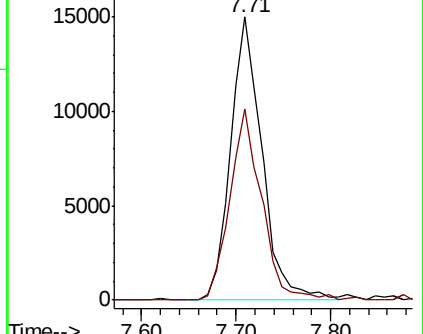
98 100

100 67.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#52

Toluene

Concen: Below Cal

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059741.D

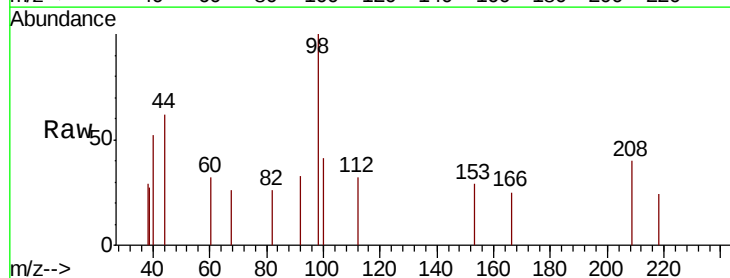
Acq: 1 Aug 2018 7:49

Tgt Ion: 92 Resp: 81

Ion Ratio Lower Upper

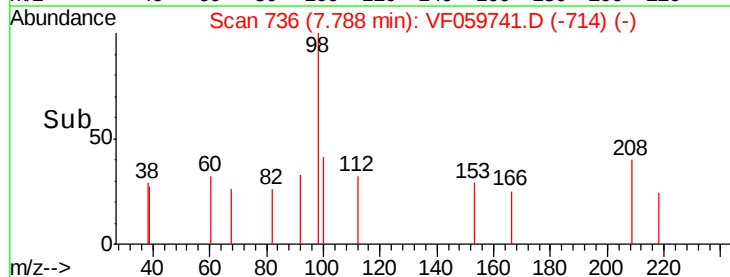
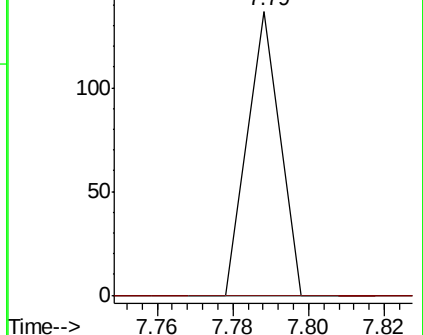
92 100

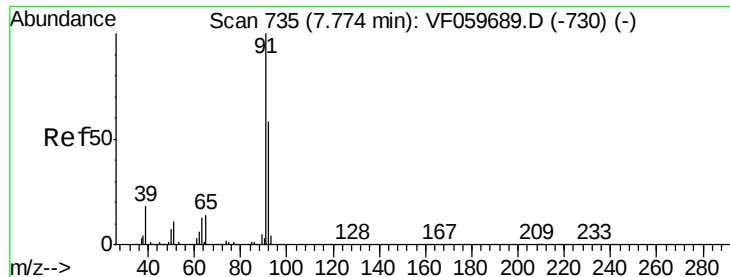
91 0.0 139.0 208.4#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

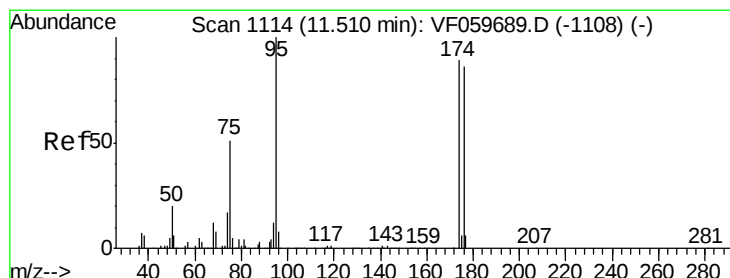
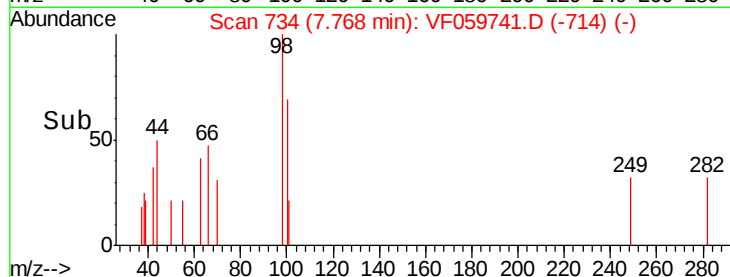
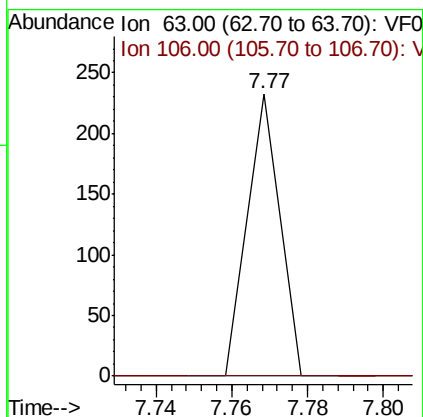
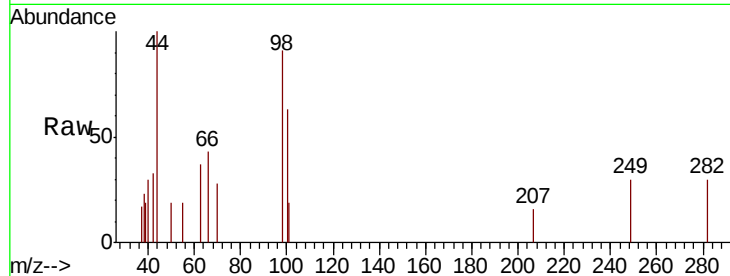




#58
 2-Chloroethyl Vinyl ether
 Concen: 5.042 ug/l
 RT: 7.77 min Scan# 734
 Delta R.T. -0.01 min
 Lab File: VF059741.D
 Acq: 1 Aug 2018 7:49

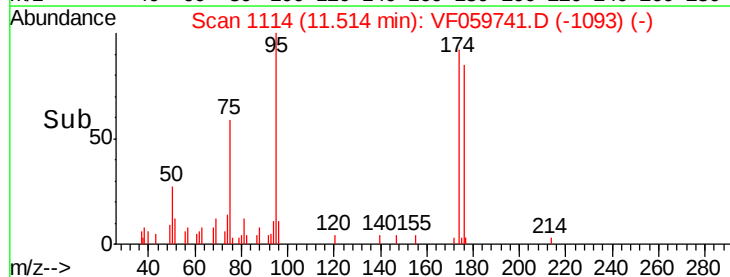
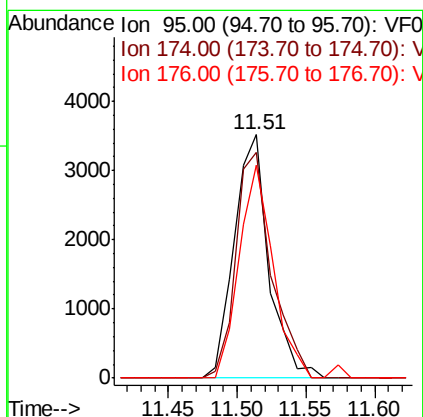
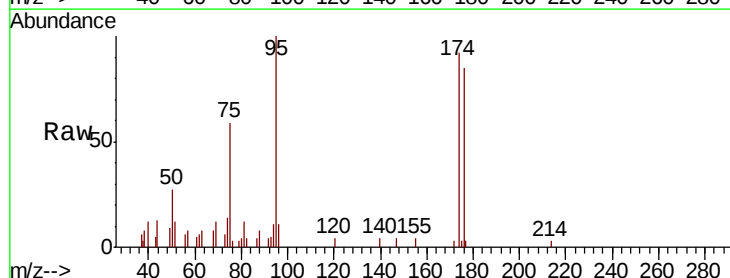
Instrument :
 MSVOA_F
 ClientSampled :

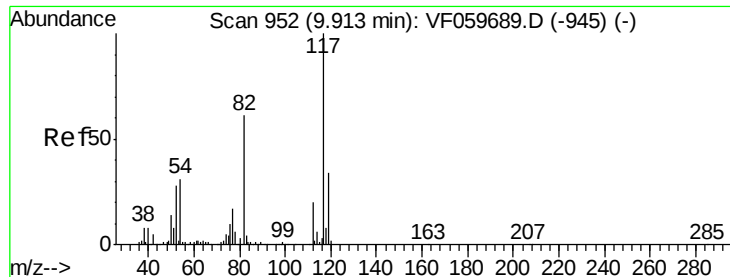
Tot Ion: 63 Resp: 138
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 11.053 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF059741.D
 Acq: 1 Aug 2018 7:49

Tgt Ion: 95 Resp: 6159
 Ion Ratio Lower Upper
 95 100
 174 92.5 0.0 178.4
 176 87.6 0.0 173.0

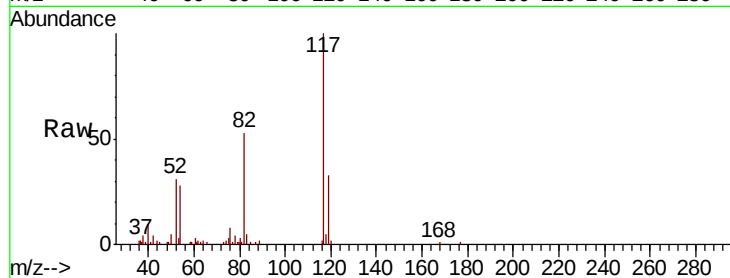




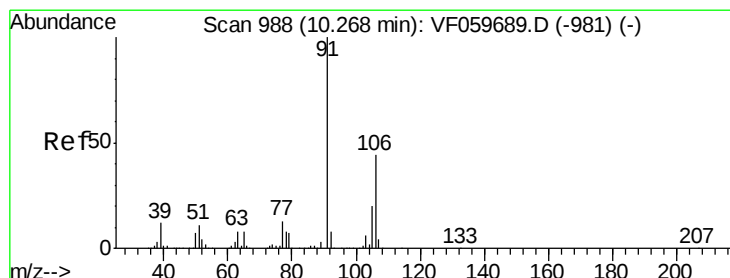
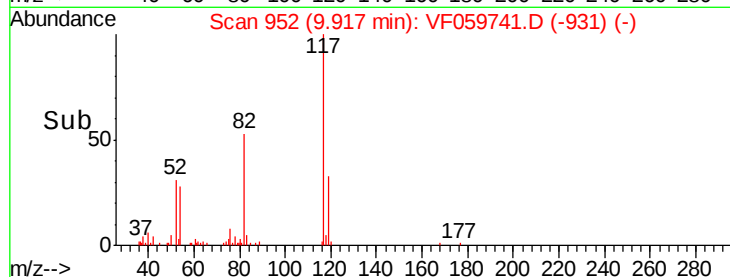
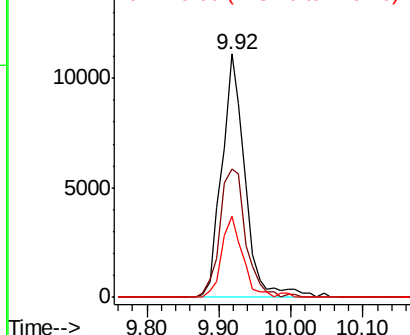
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059741.D
Acq: 1 Aug 2018 7:49

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117 Resp: 24830
Ion Ratio Lower Upper
117 100
82 52.9 49.0 73.4
119 33.2 27.3 40.9

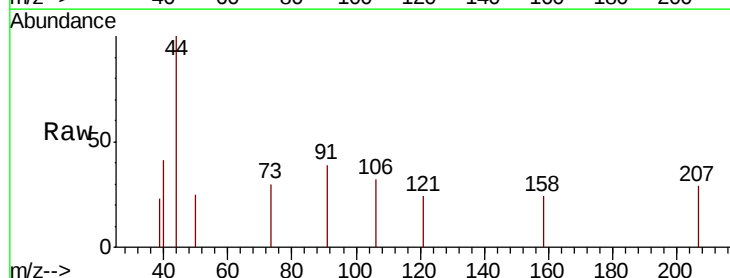


Abundance Ion 117.00 (116.70 to 117.70): V
15000 Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

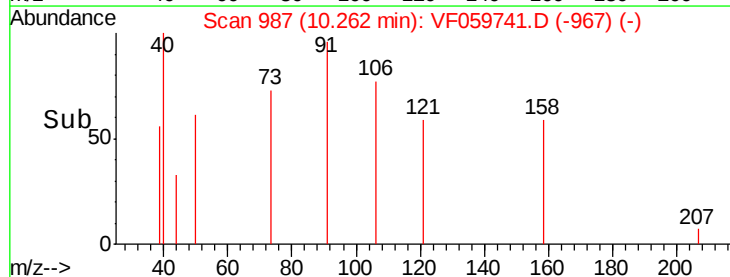
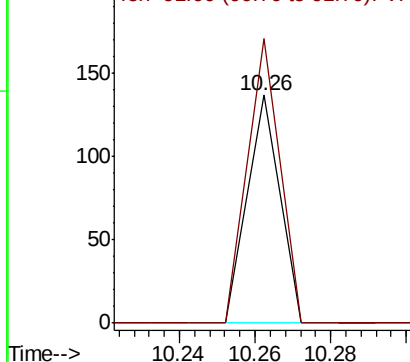


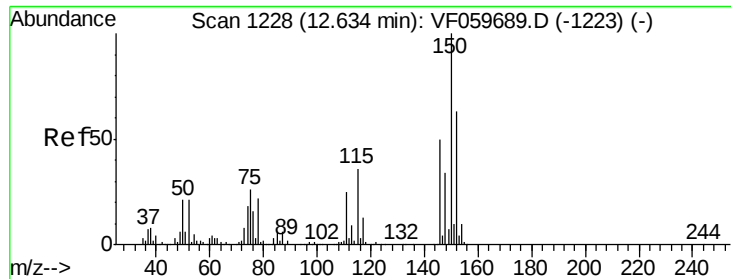
#68
m/p-Xylenes
Concen: Below Cal
RT: 10.26 min Scan# 987
Delta R.T. -0.00 min
Lab File: VF059741.D
Acq: 1 Aug 2018 7:49

Tgt Ion:106 Resp: 81
Ion Ratio Lower Upper
106 100
91 124.8 181.7 272.5#



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



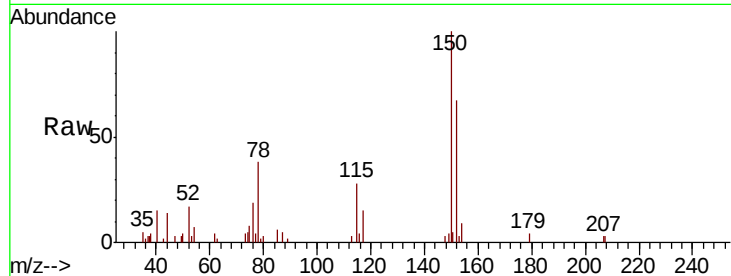


#72

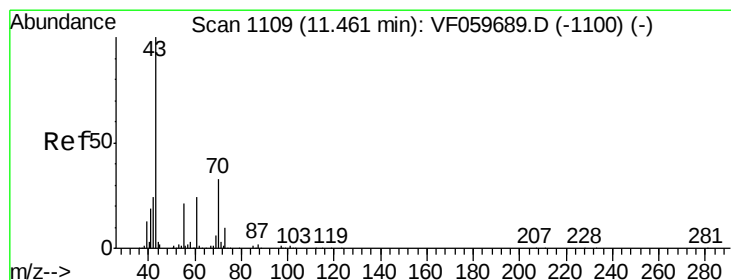
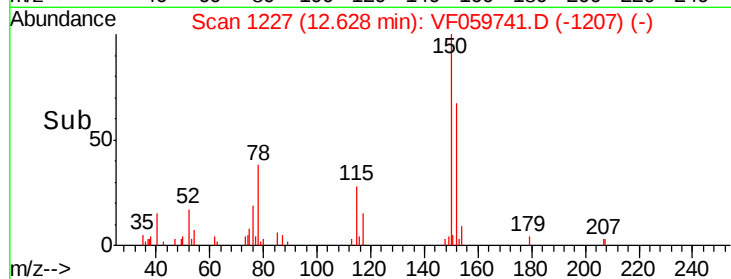
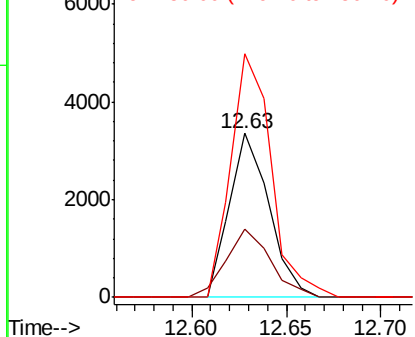
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059741.D
Acq: 1 Aug 2018 7:49

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:152 Resp: 4877
Ion Ratio Lower Upper
152 100
115 41.5 28.2 84.6
150 148.6 0.0 316.2



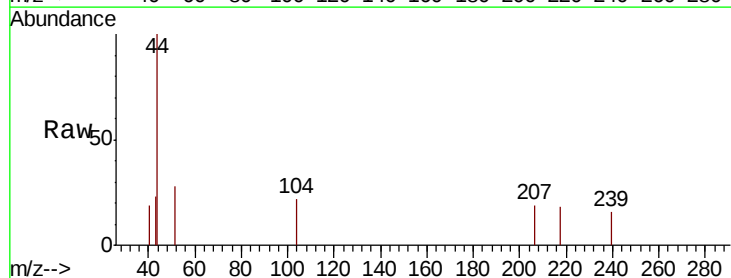
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



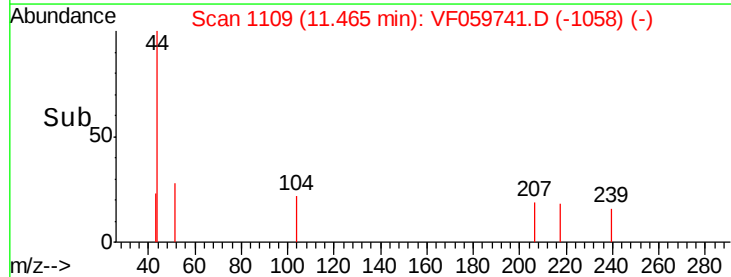
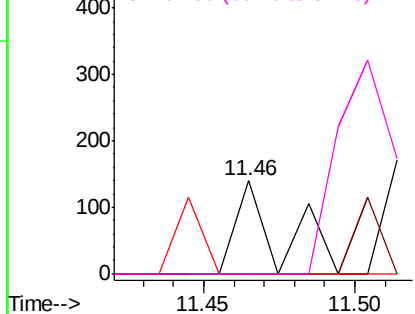
#74

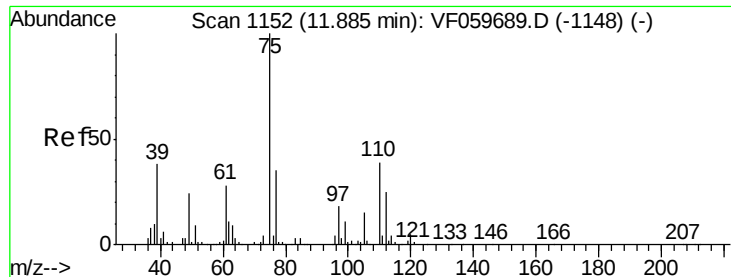
N-ethyl acetate
Concen: 1.796 ug/l
RT: 11.46 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VF059741.D
Acq: 1 Aug 2018 7:49

Tgt Ion: 43 Resp: 145
Ion Ratio Lower Upper
43 100
70 0.0 26.3 39.5#
55 0.0 16.6 25.0#
61 0.0 19.1 28.7#



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





#76

1,2,3-Trichloropropane

Concen: 1.269 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.02 min

Lab File: VF059741.D

Acq: 1 Aug 2018 7:49

Instrument :

MSVOA_F

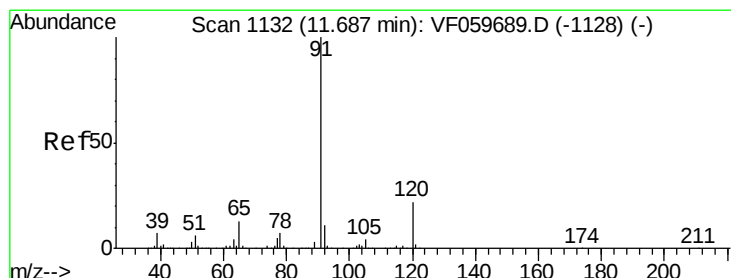
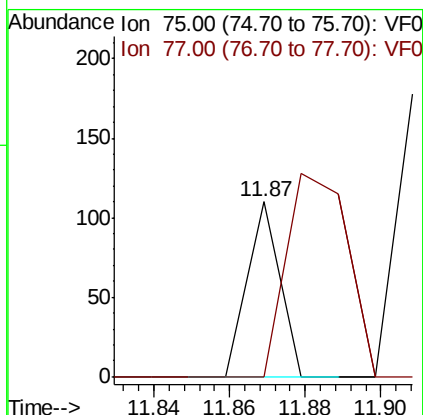
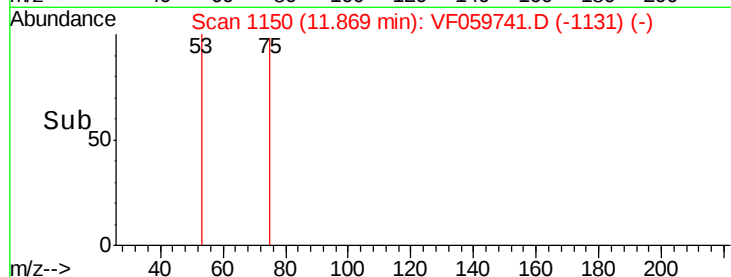
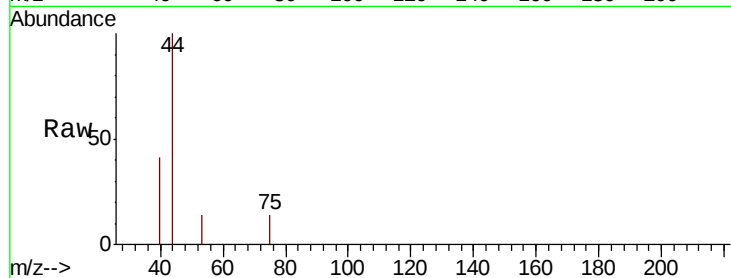
ClientSampled :

Tot Ion: 75 Resp: 65

Ion Ratio Lower Upper

75 100

77 0.0 18.0 54.0#



#78

n-propylbenzene

Concen: Below Cal

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059741.D

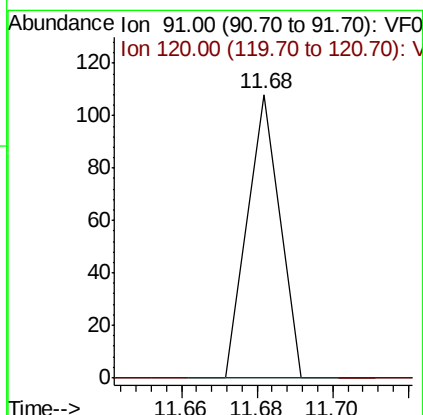
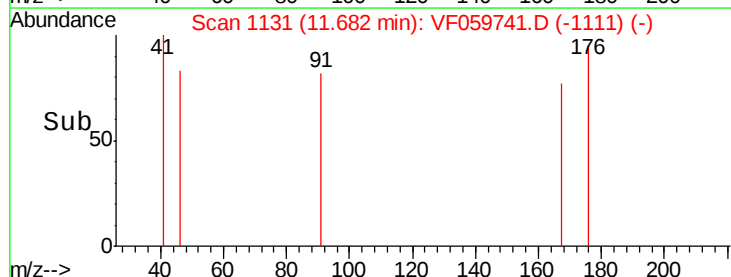
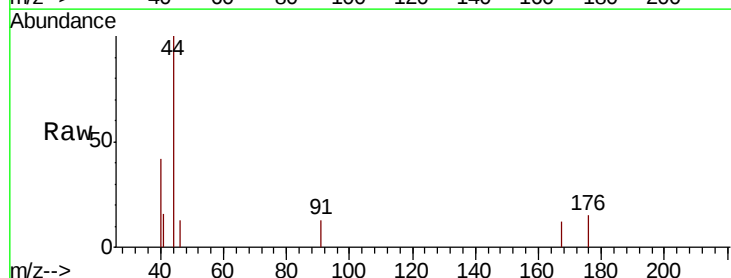
Acq: 1 Aug 2018 7:49

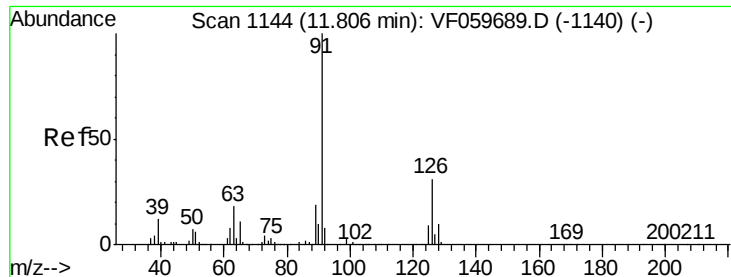
Tgt Ion: 91 Resp: 64

Ion Ratio Lower Upper

91 100

120 0.0 11.0 33.0#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059741.D

Acq: 1 Aug 2018 7:49

Instrument :

MSVOA_F

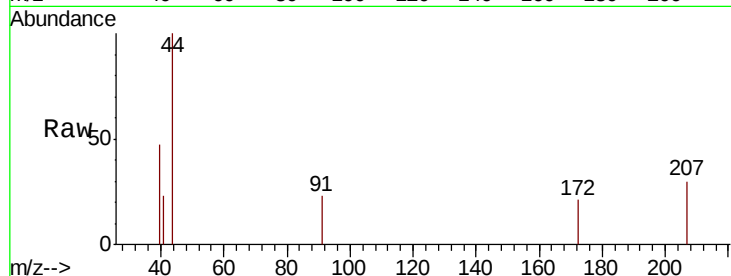
ClientSampled :

Tot Ion: 91 Resp: 69

Ion Ratio Lower Upper

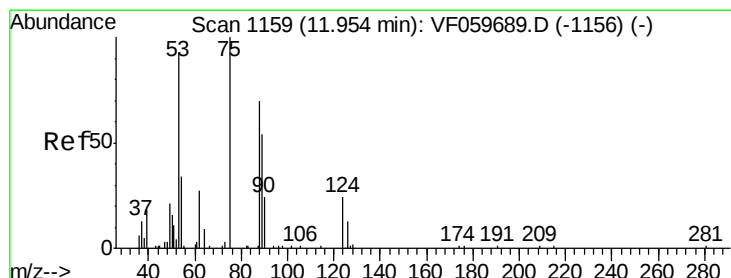
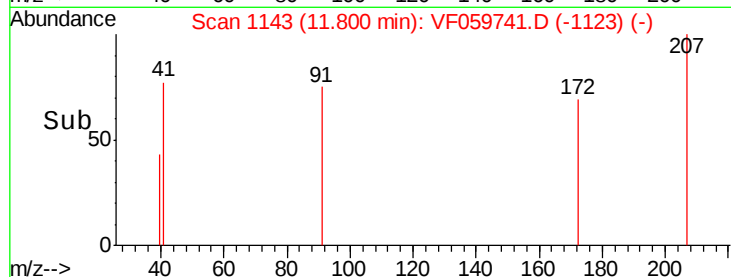
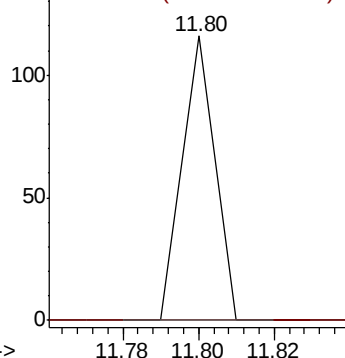
91 100

126 0.0 15.4 46.2#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 8.533 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. 0.04 min

Lab File: VF059741.D

Acq: 1 Aug 2018 7:49

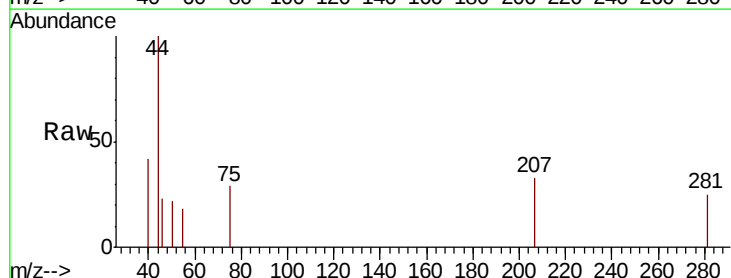
Tgt Ion: 75 Resp: 181

Ion Ratio Lower Upper

75 100

53 0.0 78.3 117.5#

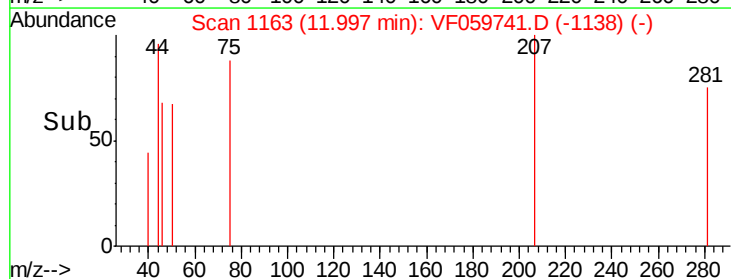
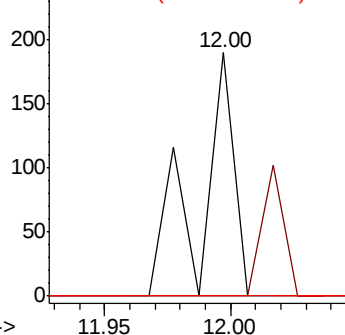
89 0.0 45.4 68.2#

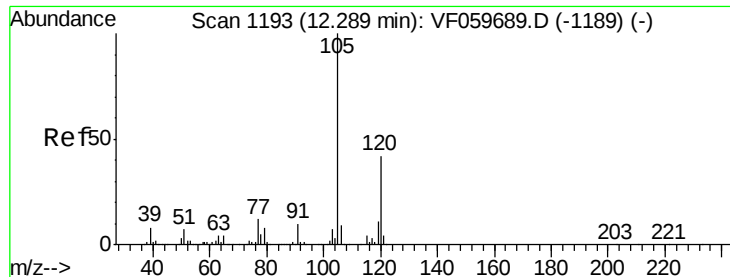


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0

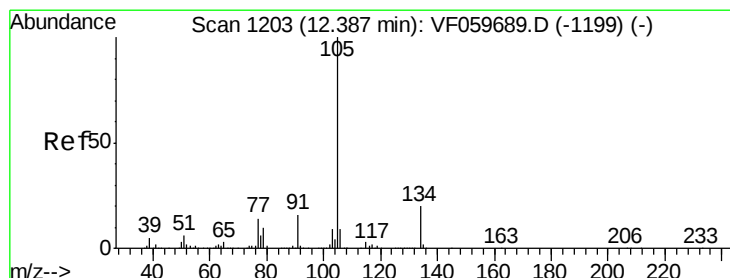
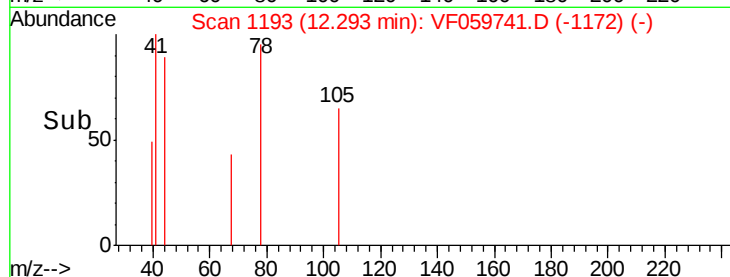
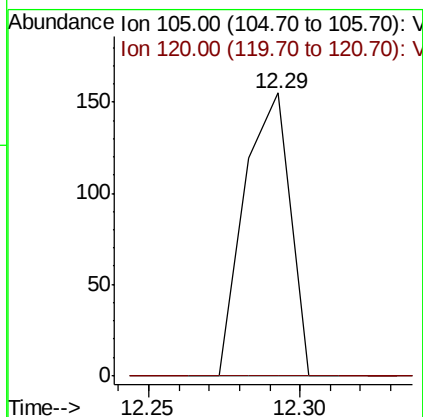
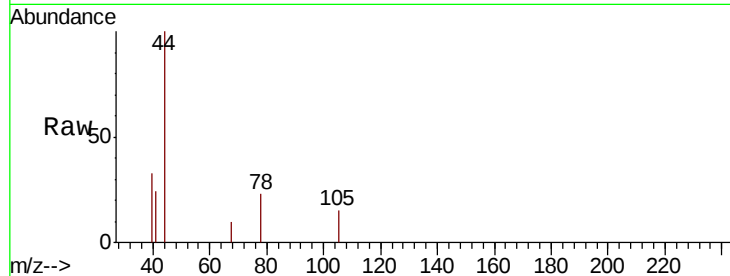




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059741.D
 Acq: 1 Aug 2018 7:49

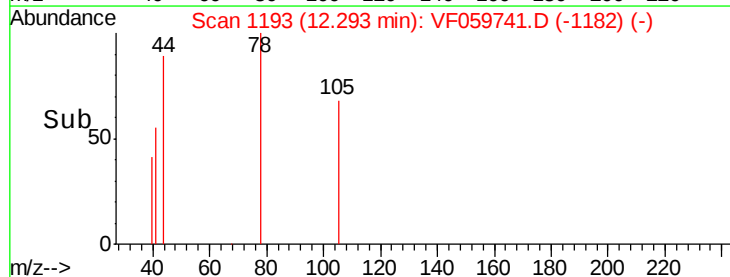
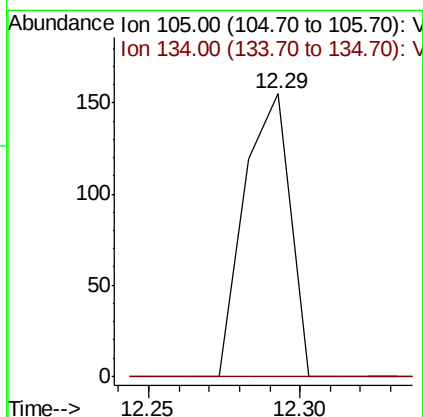
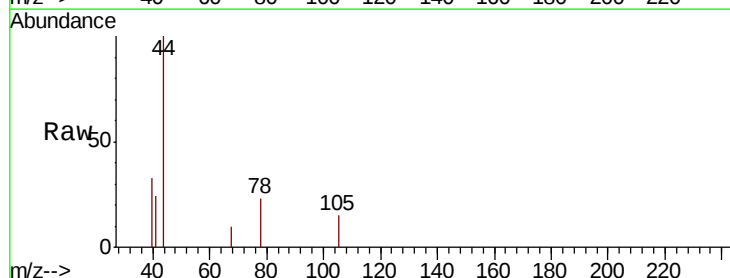
Instrument :
 MSVOA_F
 ClientSampleId :

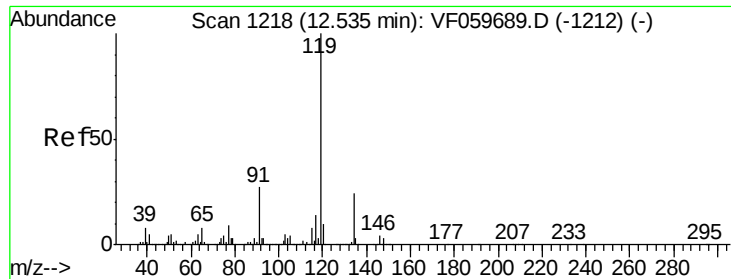
Tot Ion:105 Resp: 162
 Ion Ratio Lower Upper
 105 100
 120 0.0 21.1 63.3#



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.09 min
 Lab File: VF059741.D
 Acq: 1 Aug 2018 7:49

Tgt Ion:105 Resp: 162
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#

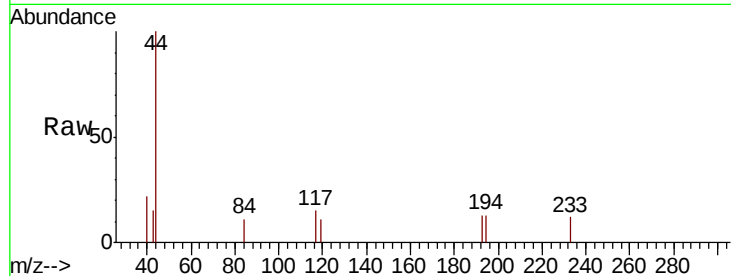




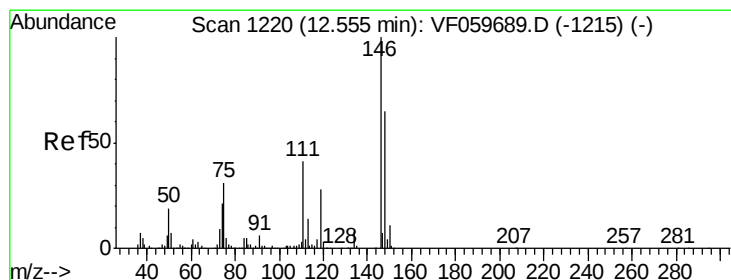
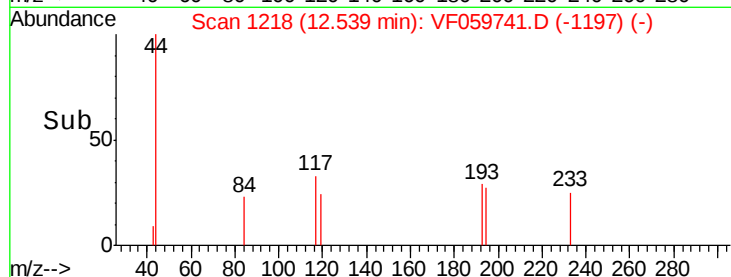
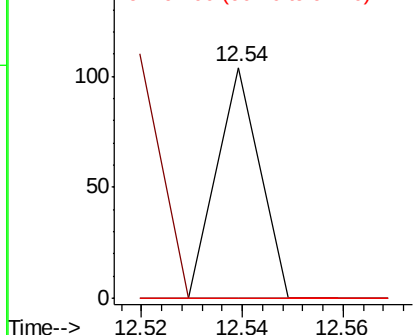
#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059741.D
 Acq: 1 Aug 2018 7:49

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.2	36.6#
91	0.0	13.4	40.2#

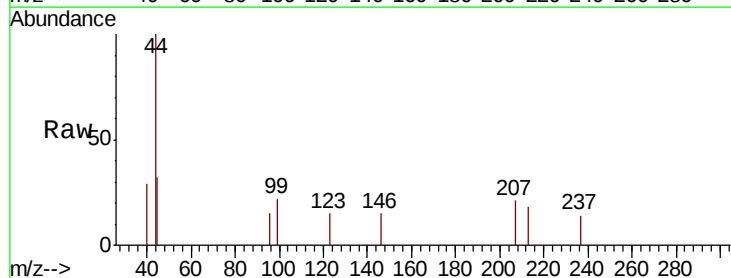


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

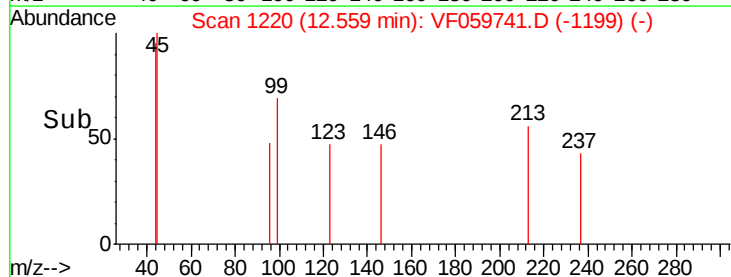
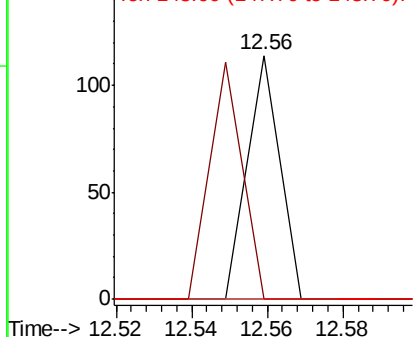


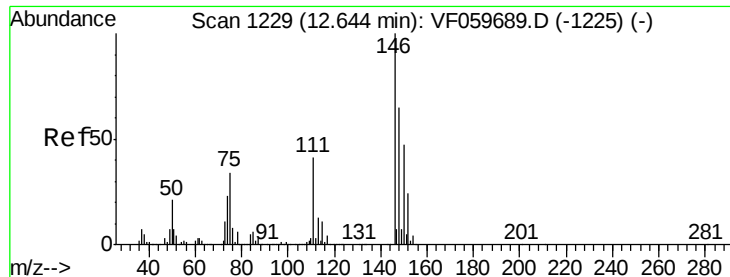
#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059741.D
 Acq: 1 Aug 2018 7:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.7	62.1#
148	0.0	32.3	96.8#



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.56 min Scan# 1220

Delta R.T. -0.08 min

Lab File: VF059741.D

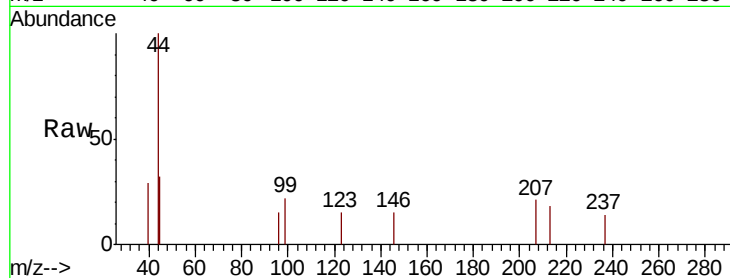
Acq: 1 Aug 2018 7:49

Instrument :

MSVOA_F

ClientSampled :

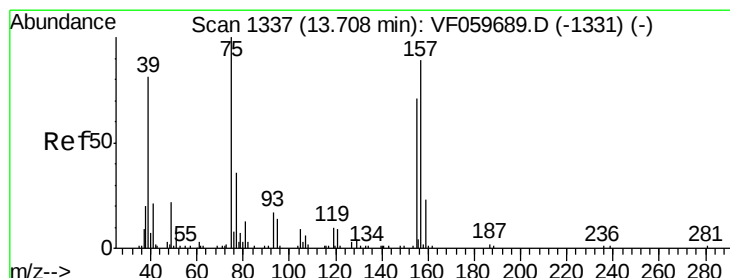
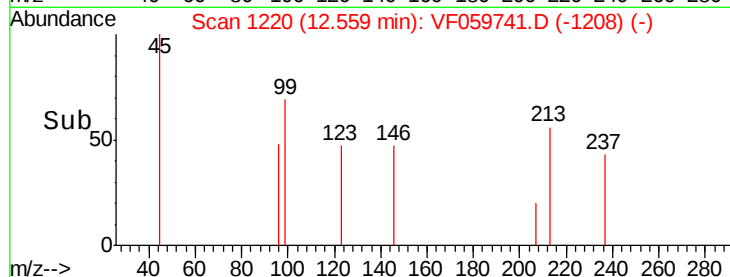
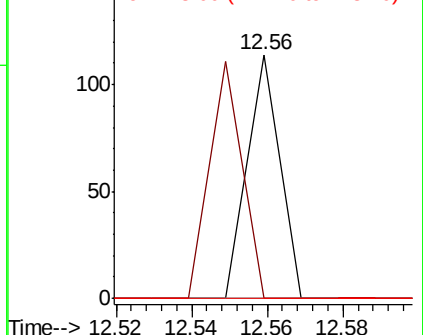
Tot Ion:	146	Resp:	67
Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.8	62.2#
148	0.0	32.3	96.9#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.025 ug/l

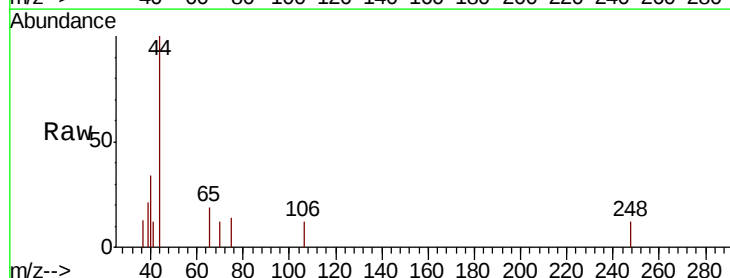
RT: 13.85 min Scan# 1351

Delta R.T. 0.14 min

Lab File: VF059741.D

Acq: 1 Aug 2018 7:49

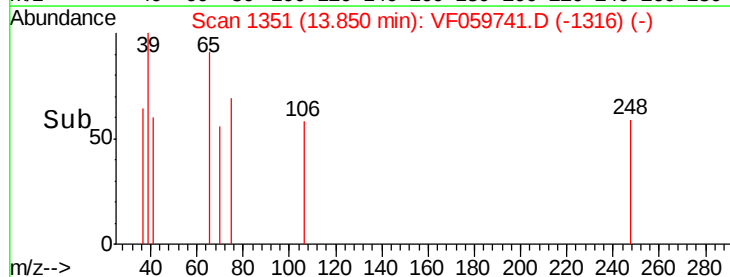
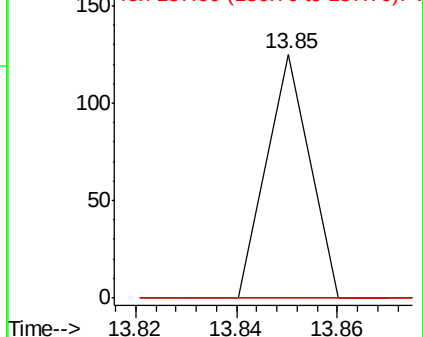
Tgt Ion:	75	Resp:	74
Ion	Ratio	Lower	Upper
75	100		
155	0.0	35.4	106.2#
157	0.0	44.4	133.2#

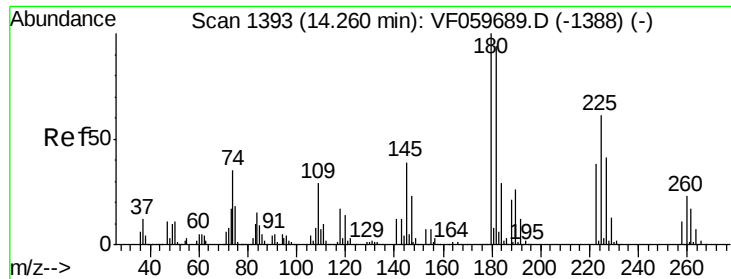


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

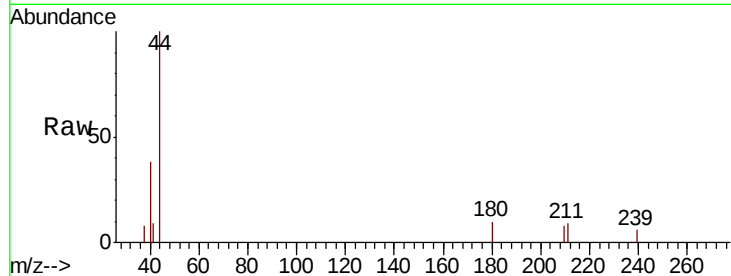




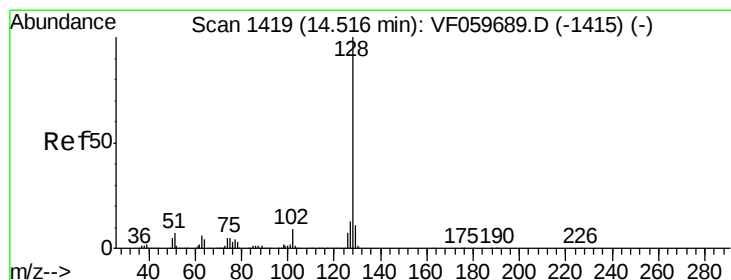
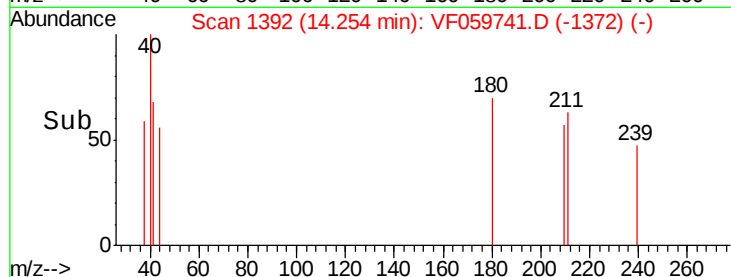
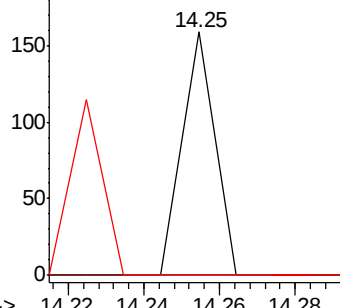
#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059741.D
 Acq: 1 Aug 2018 7:49

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:180 Resp: 94
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.2 141.6#
 145 0.0 19.3 57.9#

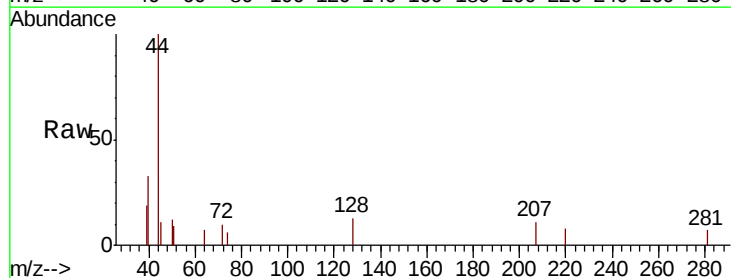


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#95
 Naphthalene
 Concen: 1.008 ug/l
 RT: 14.52 min Scan# 1419
 Delta R.T. 0.00 min
 Lab File: VF059741.D
 Acq: 1 Aug 2018 7:49

Tgt Ion:128 Resp: 212
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.0 15.0#
 129 0.0 8.6 13.0#



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

