

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072418\
 Data File : VF059648.D
 Acq On : 24 Jul 2018 23:31
 Operator : VA/AP
 Sample : J4106-02
 Misc : 5.02g/5mL/MSVOA F/SOIL
 ALS Vial : 98 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 25 05:12:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 02:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	19769	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	15002	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	7981	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	1900	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	3102	11.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	22.52%	
35) Dibromofluoromethane	4.28	113	2998	22.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	44.42%	
50) Toluene-d8	7.69	98	8395	25.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	51.02%	
62) 4-Bromofluorobenzene	11.49	95	2187	12.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	25.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.11	50	229	Below Cal	#	31
5) Bromomethane	1.37	94	71	Below Cal	#	3
6) Chloroethane	1.26	64	126	1.640	ug/l #	39
8) Diethyl Ether	1.80	74	91	1.885	ug/l #	1
11) Tert butyl alcohol	2.67	59	66	6.434	ug/l #	65
12) 1,1-Dichloroethene	1.90	96	64	Below Cal	#	1
13) Acrolein	2.11	56	73	14.515	ug/l #	7
15) Acrylonitrile	3.03	53	82	4.644	ug/l #	7
16) Acetone	2.33	43	508	11.704	ug/l #	14
20) Methylene Chloride	2.27	84	145	Below Cal	#	39
25) 2-Butanone	4.51	43	216	6.084	ug/l #	61
26) 2,2-Dichloropropane	3.75	77	177	Below Cal	#	63
29) Tetrahydrofuran	4.26	42	138	Below Cal	#	38
37) Ethyl Acetate	4.25	43	192	Below Cal	#	1
41) Methacrylonitrile	4.89	41	324	11.270	ug/l #	53
43) Isopropyl Acetate	7.09	43	189	2.796	ug/l #	50
45) 1,2-Dichloropropane	6.35	63	83	1.153	ug/l #	43
46) Dibromomethane	6.26	93	82	1.349	ug/l #	3
48) Methyl methacrylate	6.85	41	131	2.633	ug/l #	1
49) 1,4-Dioxane	6.94	88	92	240.251	ug/l #	22
51) 4-Methyl-2-Pentanone	8.39	43	206	4.146	ug/l #	31
52) Toluene	7.84	92	75	Below Cal	#	1
56) Ethyl methacrylate	8.72	69	70	1.033	ug/l #	15
58) 2-Chloroethyl Vinyl ether	7.64	63	125	14.371	ug/l	100
59) 2-Hexanone	9.62	43	1031	27.174	ug/l #	61
70) Styrene	10.87	104	150	1.028	ug/l #	27
74) N-amyl acetate	11.47	43	176	6.874	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.65	83	63	3.484	ug/l #	25
76) 1,2,3-Trichloropropane	12.04	75	69	4.620	ug/l #	38
77) Bromobenzene	11.68	156	61	2.088	ug/l #	43
78) n-propylbenzene	11.67	91	208	1.463	ug/l #	54
81) trans-1,4-Dichloro-2-buten	12.04	75	69	7.505	ug/l #	7
82) 4-Chlorotoluene	11.98	91	362	3.966	ug/l #	43
84) 1,2,4-Trimethylbenzene	12.27	105	155	1.423	ug/l #	33

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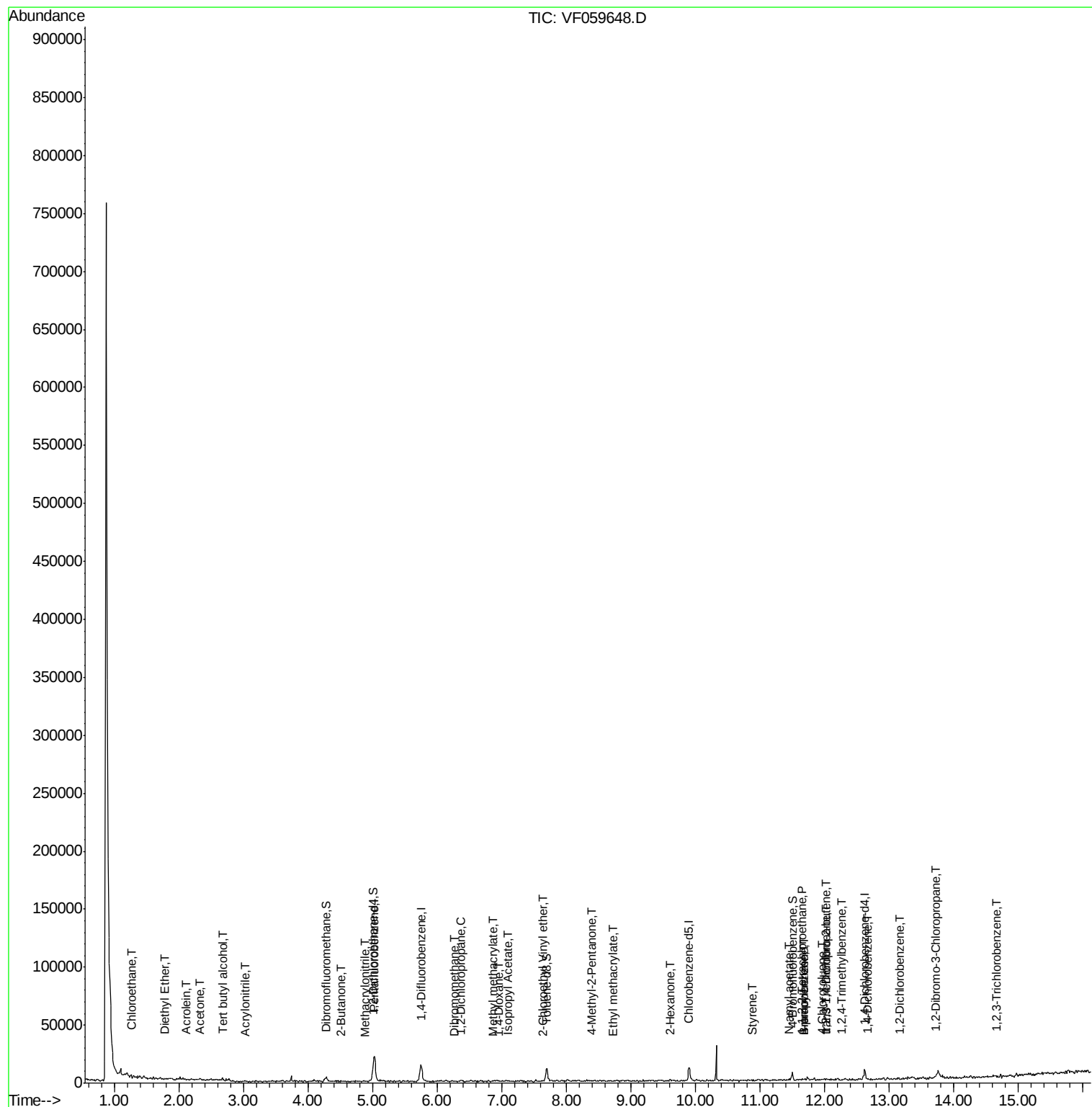
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	12.67	146	91	Below Cal	#	25
88) 1,4-Dichlorobenzene	12.67	146	91	1.607 ug/l	#	25
89) n-Butylbenzene	12.90	91	238	Below Cal	#	31
91) 1,2-Dichlorobenzene	13.17	146	62	1.136 ug/l	#	24
92) 1,2-Dibromo-3-Chloropropan	13.71	75	65	13.939 ug/l	#	5
93) 1,2,4-Trichlorobenzene	14.24	180	64	Below Cal	#	11
96) 1,2,3-Trichlorobenzene	14.65	180	183	4.745 ug/l	#	11

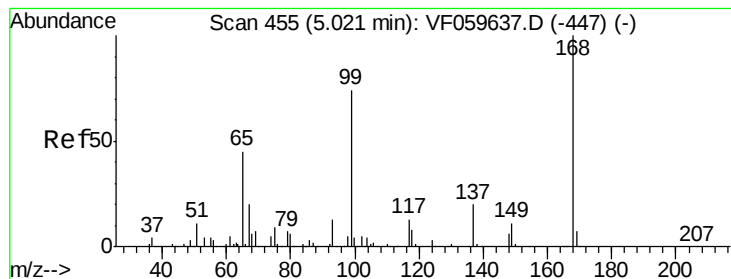
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF072418\
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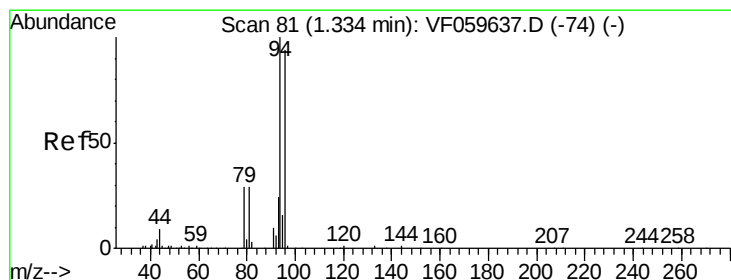
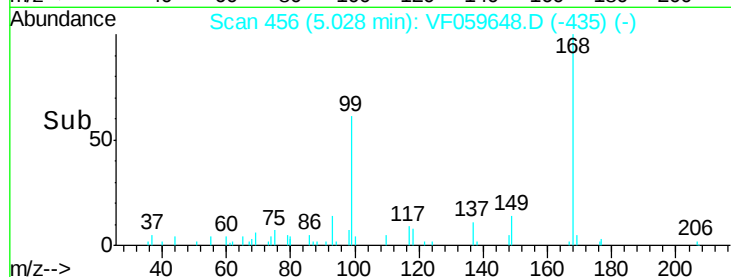
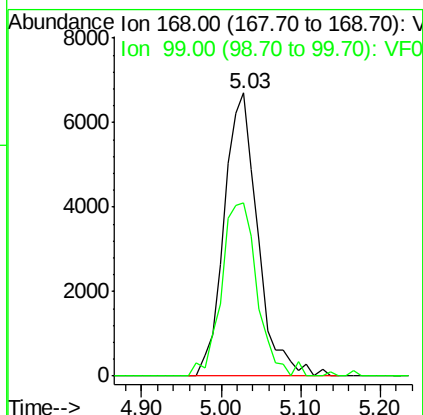
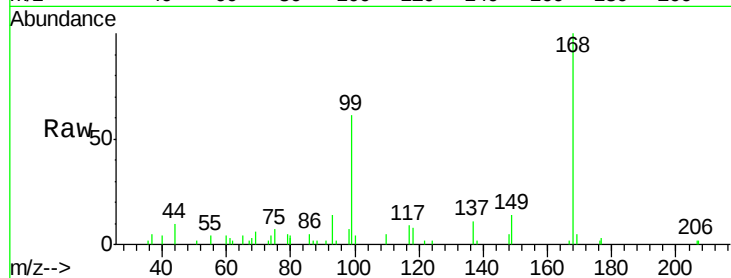




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.03 min Scan# 456
Delta R.T. 0.01 min
Lab File: VF059648.D
Acq: 24 Jul 2018 23:31

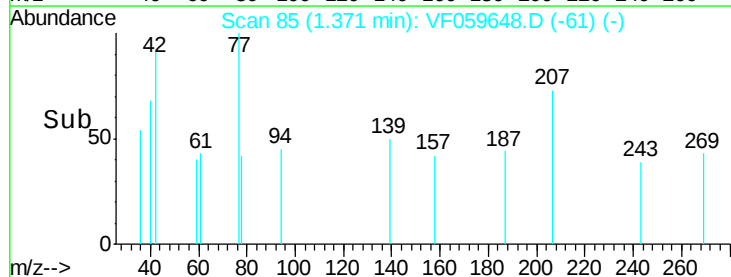
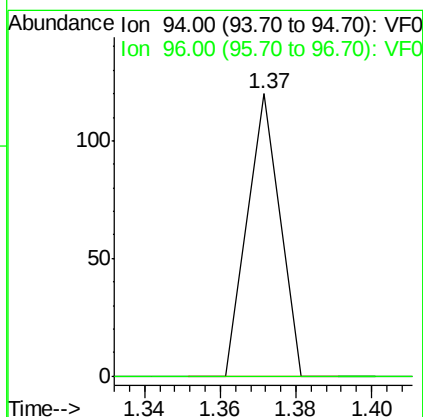
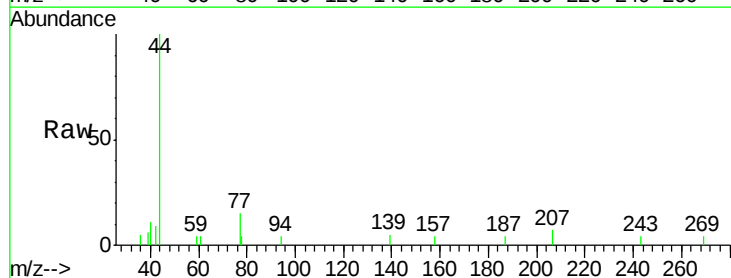
Instrument :
MSVOA_F
ClientSampleId :

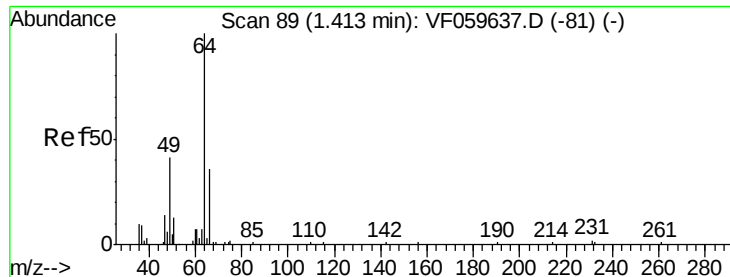
Tot Ion:168 Resp: 19769
Ion Ratio Lower Upper
168 100
99 61.0 59.5 89.3



#5
Bromomethane
Concen: Below Cal
RT: 1.37 min Scan# 85
Delta R.T. 0.04 min
Lab File: VF059648.D
Acq: 24 Jul 2018 23:31

Tgt Ion: 94 Resp: 71
Ion Ratio Lower Upper
94 100
96 0.0 74.6 112.0#





#6

Chloroethane

Concen: 1.640 ug/l

RT: 1.26 min Scan# 74

Delta R.T. -0.15 min

Lab File: VF059648.D

Acq: 24 Jul 2018 23:31

Instrument :

MSVOA_F

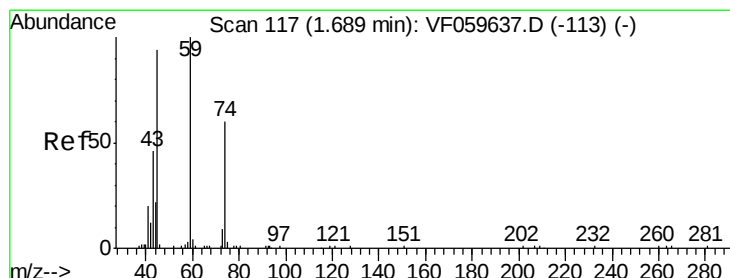
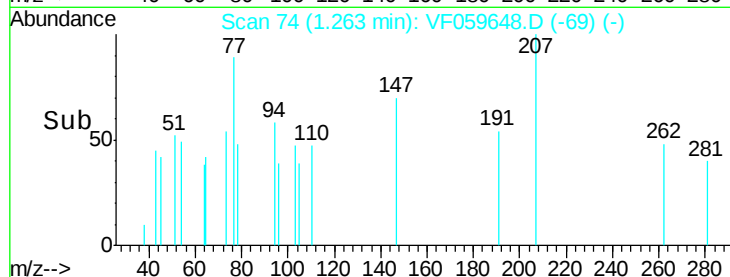
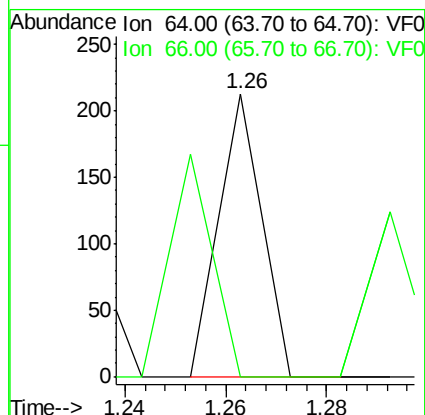
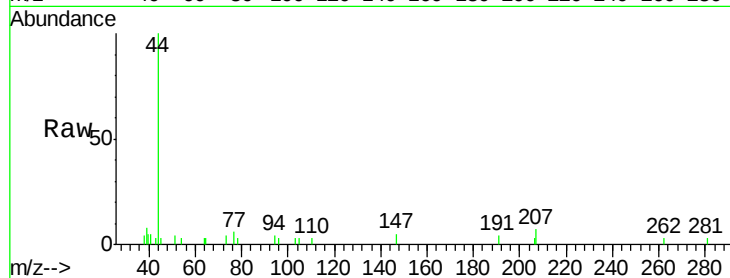
ClientSampled :

Tot Ion: 64 Resp: 126

Ion Ratio Lower Upper

64 100

66 0.0 29.0 43.6#



#8

Diethyl Ether

Concen: 1.885 ug/l

RT: 1.80 min Scan# 128

Delta R.T. 0.11 min

Lab File: VF059648.D

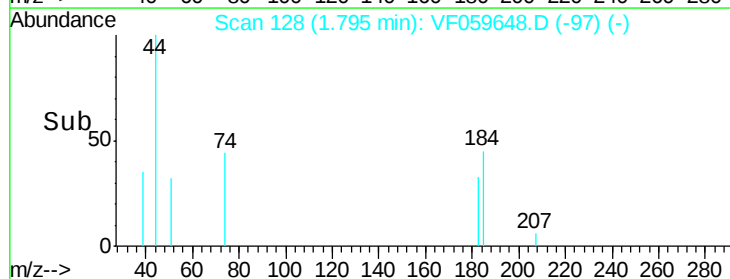
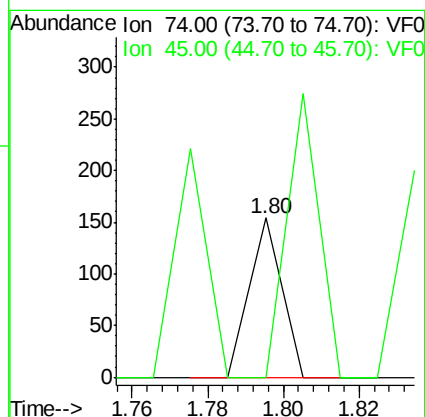
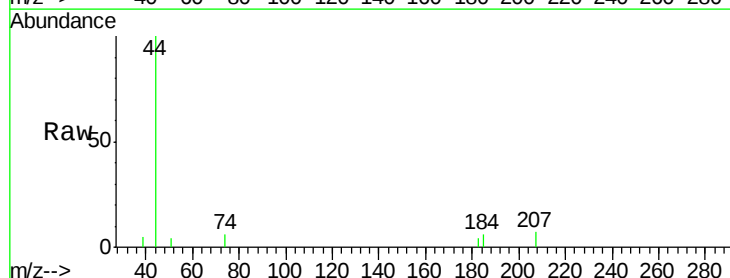
Acq: 24 Jul 2018 23:31

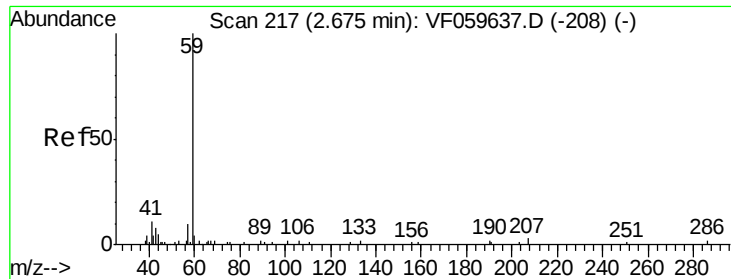
Tgt Ion: 74 Resp: 91

Ion Ratio Lower Upper

74 100

45 0.0 80.3 241.0#



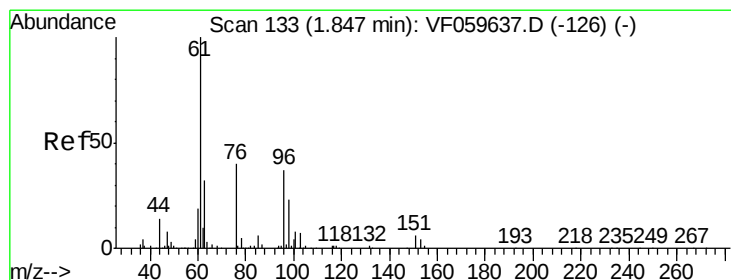
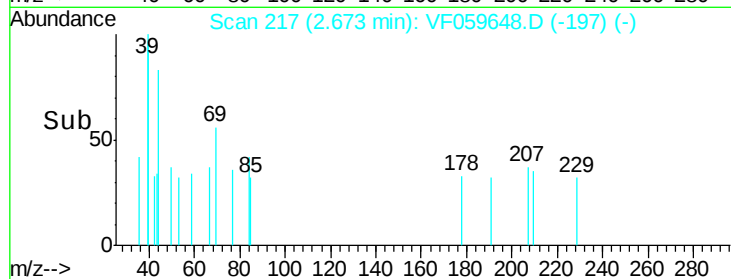
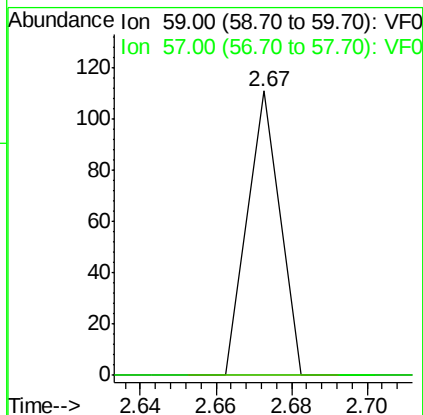
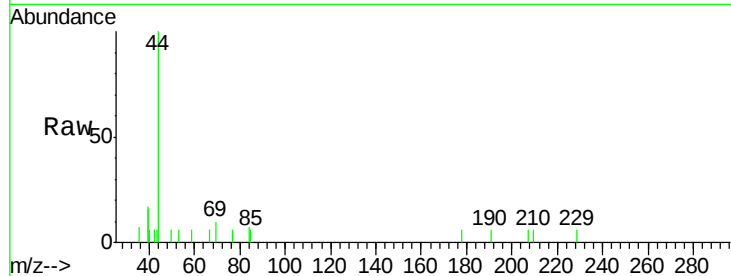


#11

Tert butyl alcohol
 Concen: 6.434 ug/l
 RT: 2.67 min Scan# 217
 Delta R.T. -0.00 min
 Lab File: VF059648.D
 Acq: 24 Jul 2018 23:31

Instrument :
 MSVOA_F
 ClientSampled :

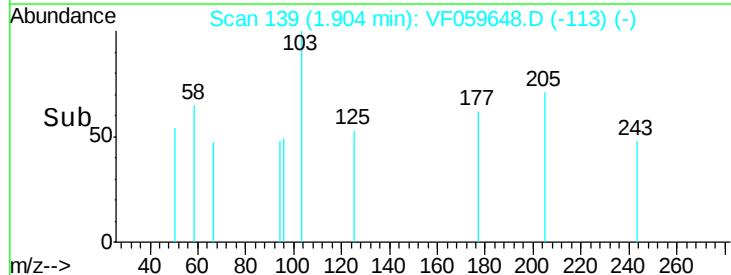
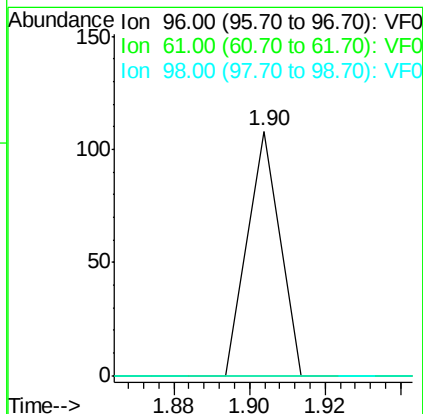
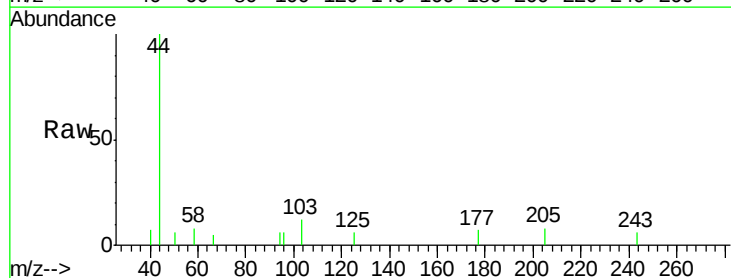
Tot Ion: 59 Resp: 66
 Ion Ratio Lower Upper
 59 100
 57 0.0 11.4 17.2#

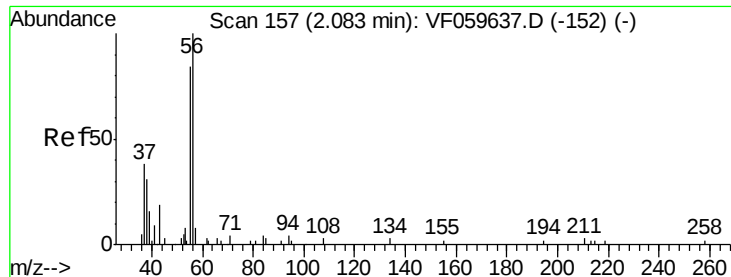


#12

1,1-Dichloroethene
 Concen: Below Cal
 RT: 1.90 min Scan# 139
 Delta R.T. 0.06 min
 Lab File: VF059648.D
 Acq: 24 Jul 2018 23:31

Tgt Ion: 96 Resp: 64
 Ion Ratio Lower Upper
 96 100
 61 0.0 218.2 327.4#
 98 0.0 50.6 76.0#





#13

Acrolein

Concen: 14.515 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.03 min

Lab File: VF059648.D

Acq: 24 Jul 2018 23:31

Instrument :

MSVOA_F

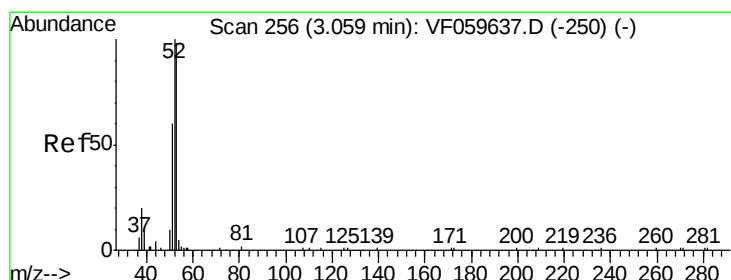
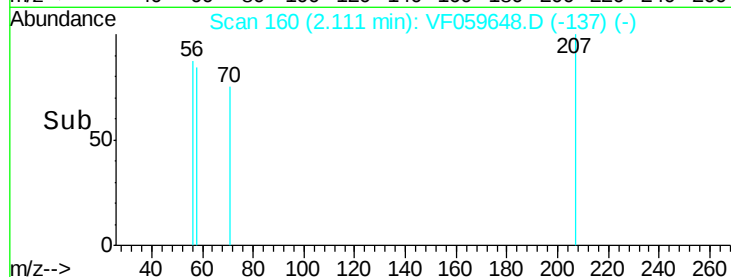
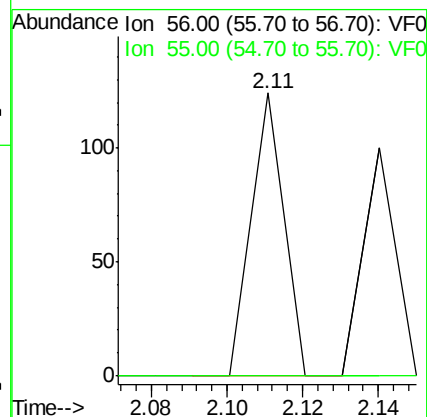
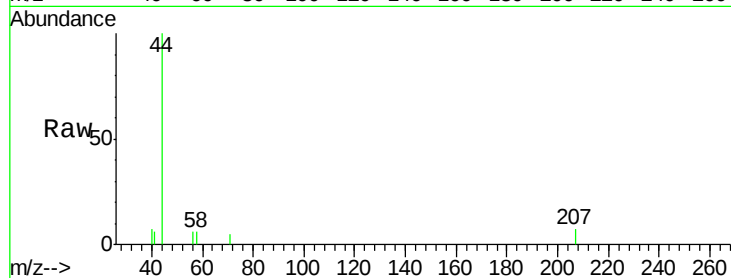
ClientSampled :

Tot Ion: 56 Resp: 73

Ion Ratio Lower Upper

56 100

55 0.0 67.2 100.8#



#15

Acrylonitrile

Concen: 4.644 ug/l

RT: 3.03 min Scan# 253

Delta R.T. -0.03 min

Lab File: VF059648.D

Acq: 24 Jul 2018 23:31

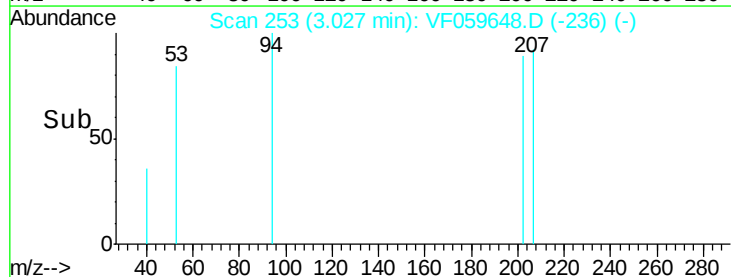
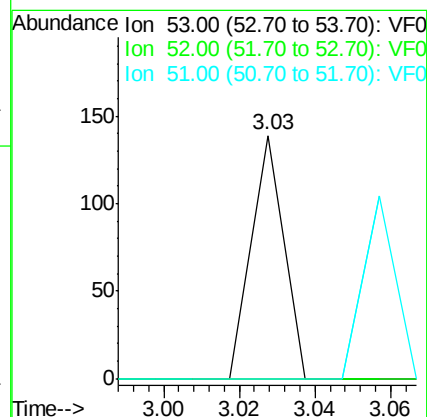
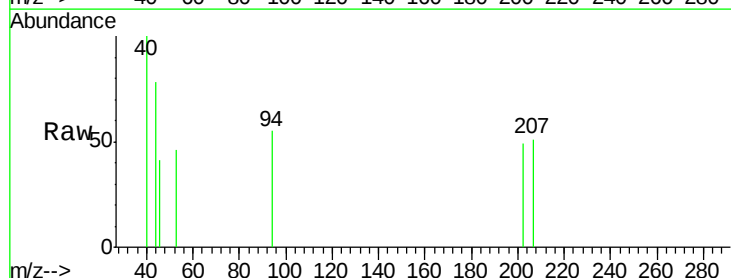
Tgt Ion: 53 Resp: 82

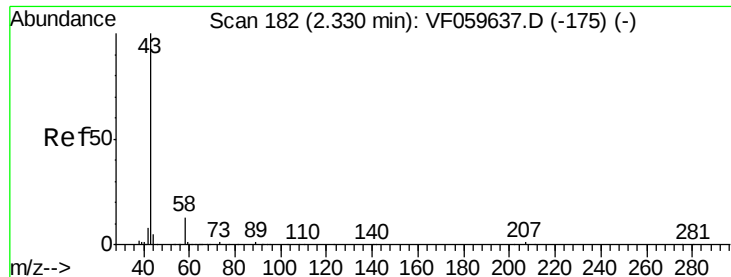
Ion Ratio Lower Upper

53 100

52 0.0 80.9 121.3#

51 0.0 49.4 74.2#





#16

Acetone

Concen: 11.704 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059648.D

Acq: 24 Jul 2018 23:31

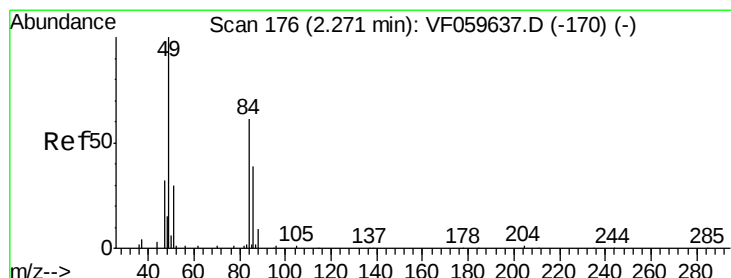
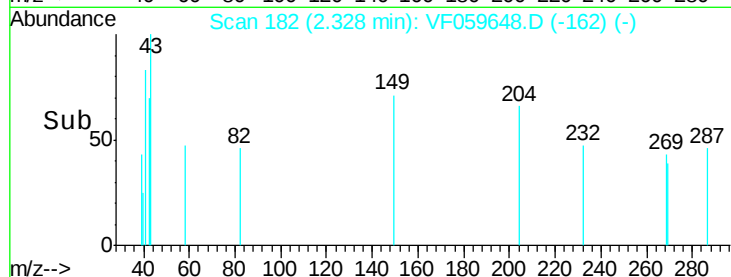
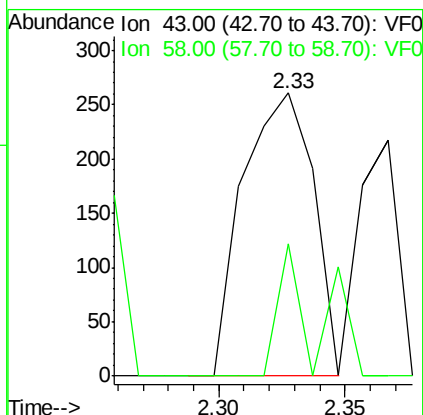
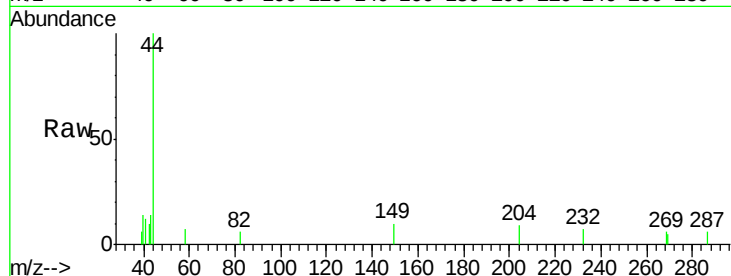
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 508

Ion Ratio Lower Upper

43 100

58 46.7 10.2 15.2#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.27 min Scan# 176

Delta R.T. -0.00 min

Lab File: VF059648.D

Acq: 24 Jul 2018 23:31

Tgt Ion: 84 Resp: 145

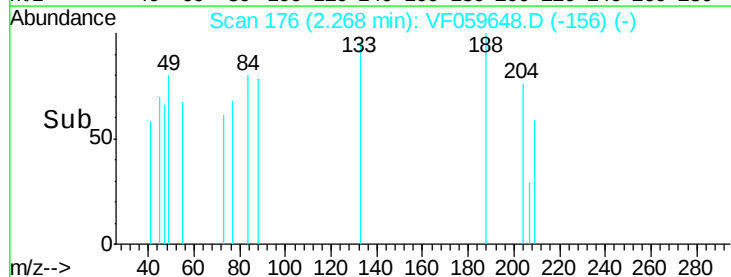
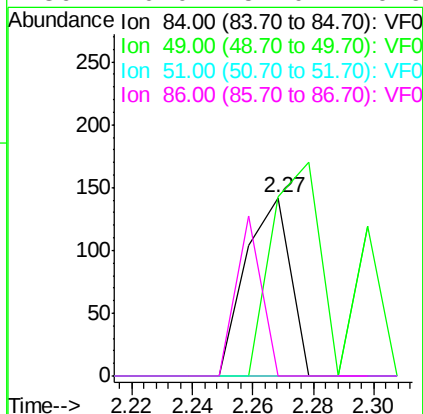
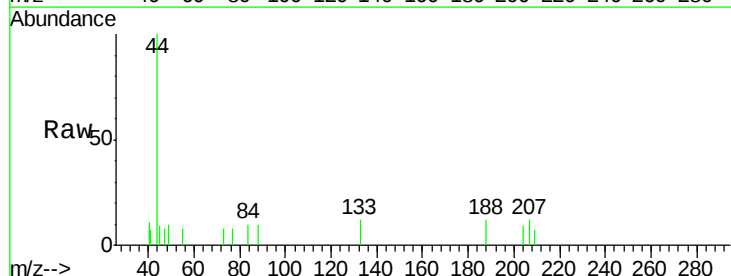
Ion Ratio Lower Upper

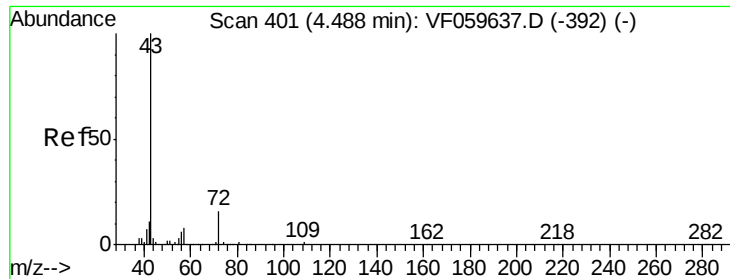
84 100

49 100.7 133.8 200.8#

51 0.0 41.1 61.7#

86 0.0 51.0 76.6#





#25

2-Butanone

Concen: 6.084 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.02 min

Lab File: VF059648.D

Acq: 24 Jul 2018 23:31

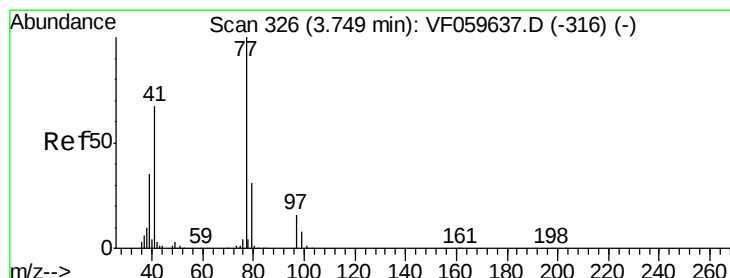
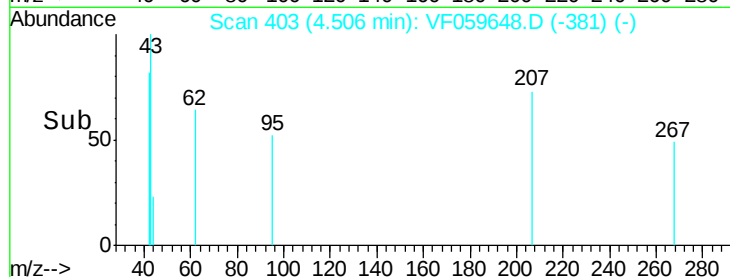
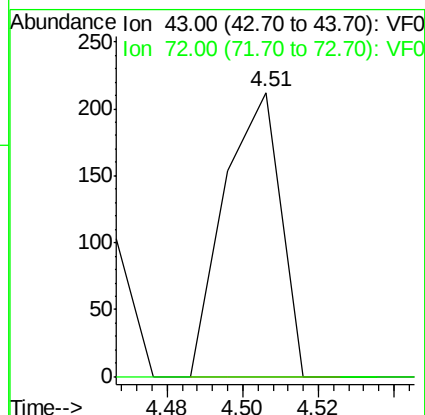
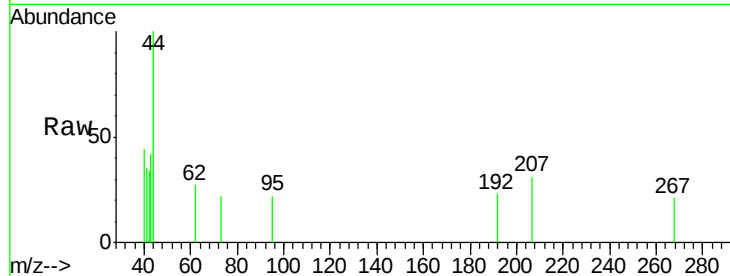
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 216

Ion Ratio Lower Upper

43 100

72 0.0 13.5 20.3#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 3.75 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059648.D

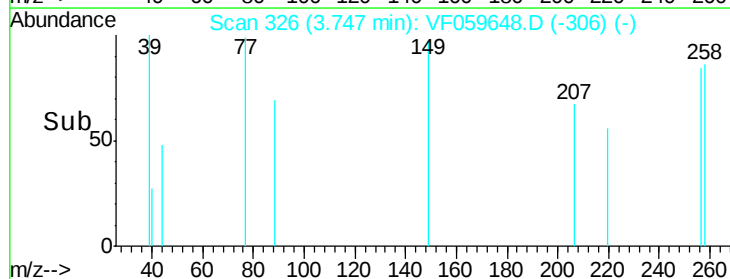
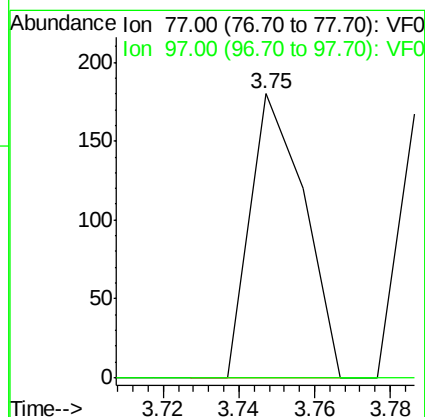
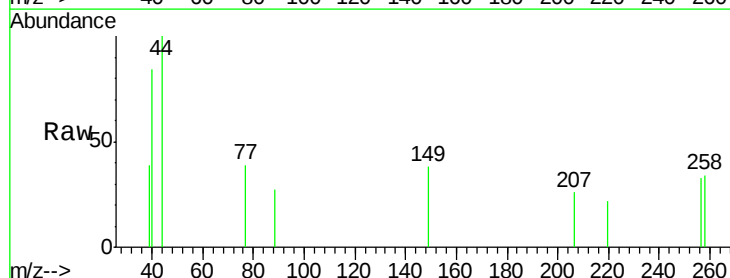
Acq: 24 Jul 2018 23:31

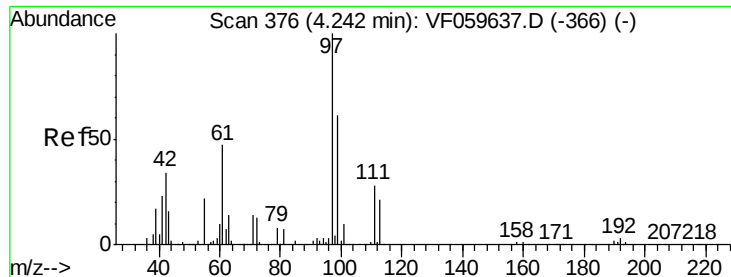
Tgt Ion: 77 Resp: 177

Ion Ratio Lower Upper

77 100

97 0.0 7.8 23.3#

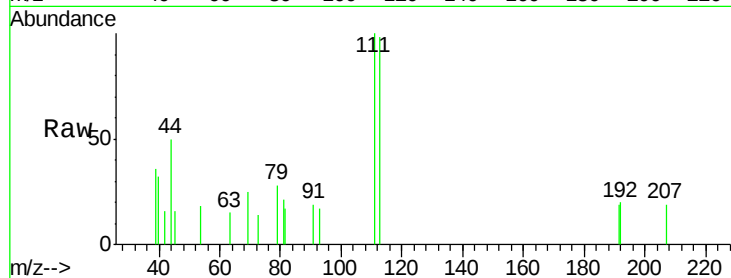




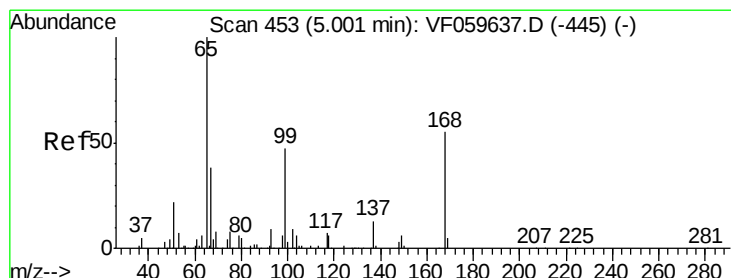
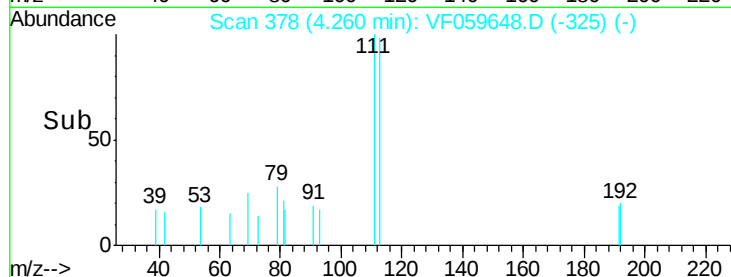
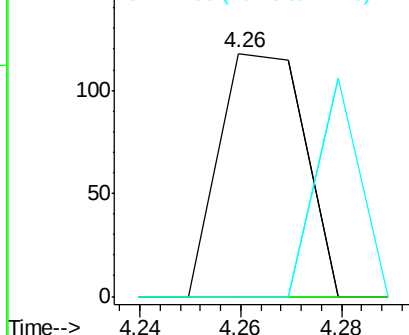
#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.26 min Scan# 378
Delta R.T. 0.02 min
Lab File: VF059648.D
Acq: 24 Jul 2018 23:31

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 42 Resp: 138
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.6 42.8#

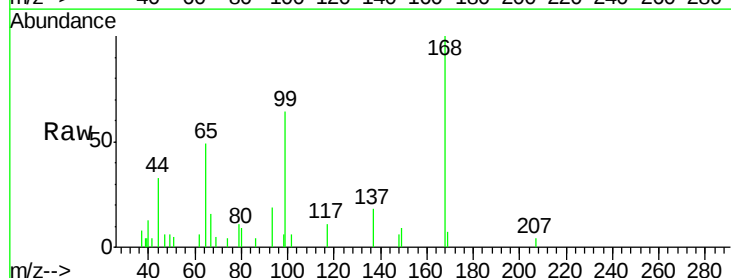


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

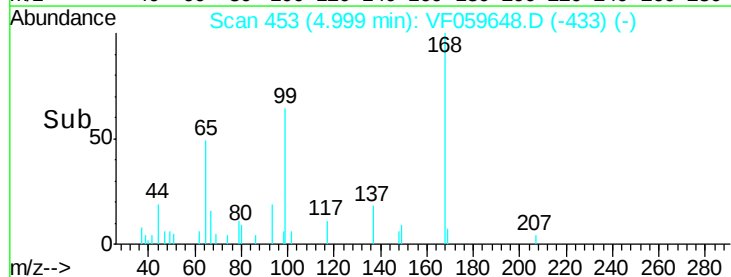
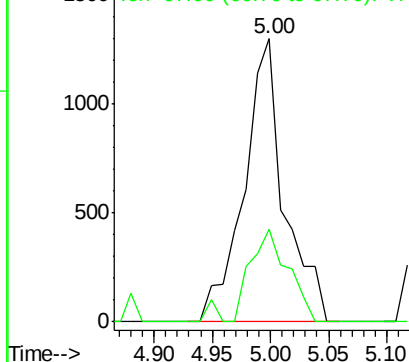


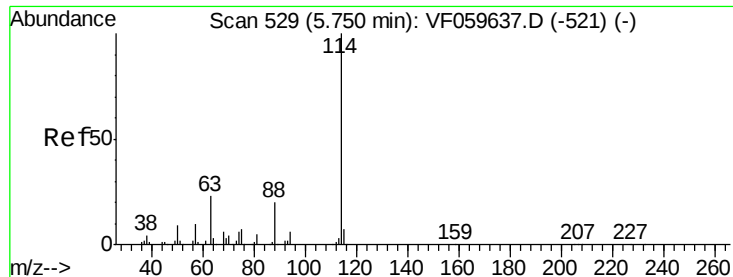
#33
1,2-Dichloroethane-d4
Concen: 11.261 ug/l
RT: 5.00 min Scan# 453
Delta R.T. -0.00 min
Lab File: VF059648.D
Acq: 24 Jul 2018 23:31

Tgt Ion: 65 Resp: 3102
Ion Ratio Lower Upper
65 100
67 32.8 0.0 86.6



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: 5.75 min Scan# 529

Delta R.T. -0.00 min

Lab File: VF059648.D

Acq: 24 Jul 2018 23:31

Instrument :

MSVOA_F

ClientSampleId :

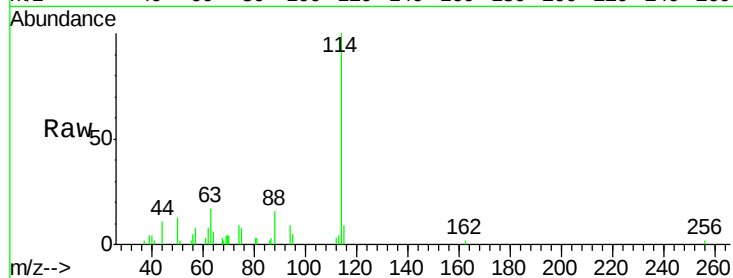
Tot Ion:114 Resp: 15002

Ion Ratio Lower Upper

114 100

63 17.0 0.0 45.6

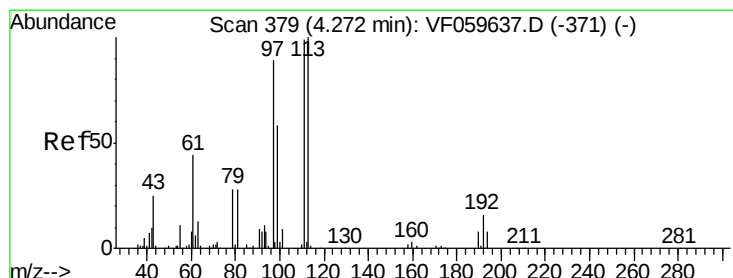
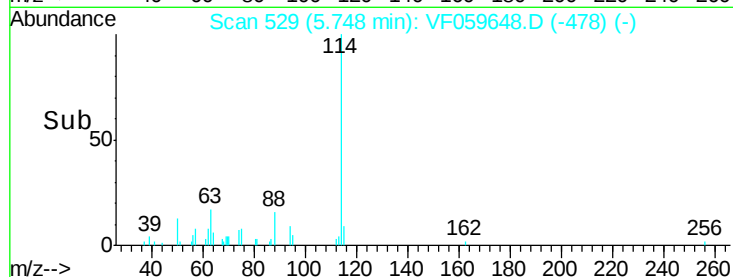
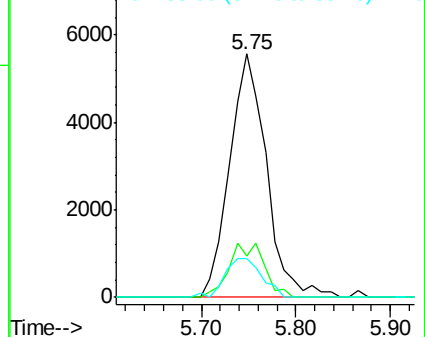
88 15.8 0.0 40.8



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: 22.205 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF059648.D

Acq: 24 Jul 2018 23:31

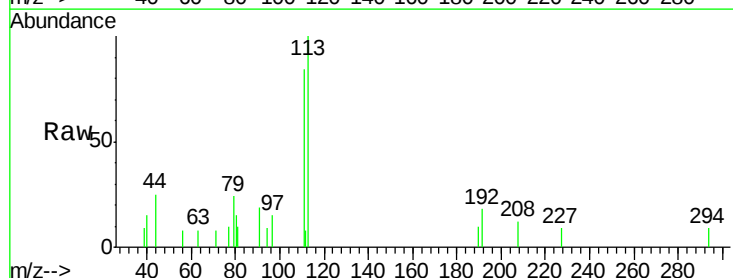
Tgt Ion:113 Resp: 2998

Ion Ratio Lower Upper

113 100

111 91.5 79.3 118.9

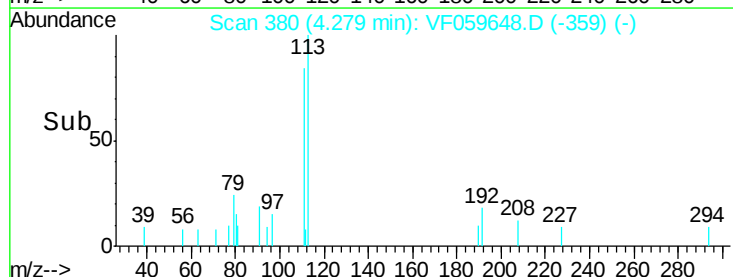
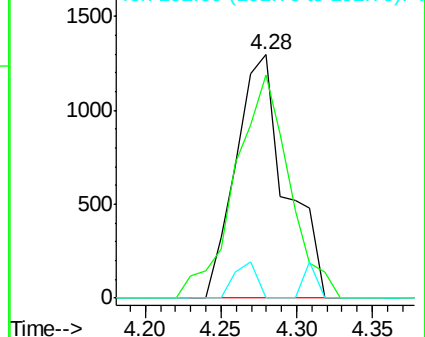
192 0.0 13.4 20.2#

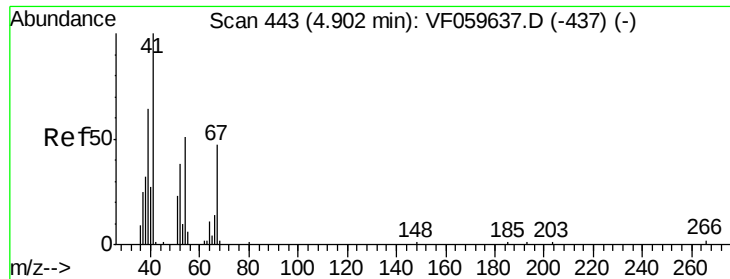


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

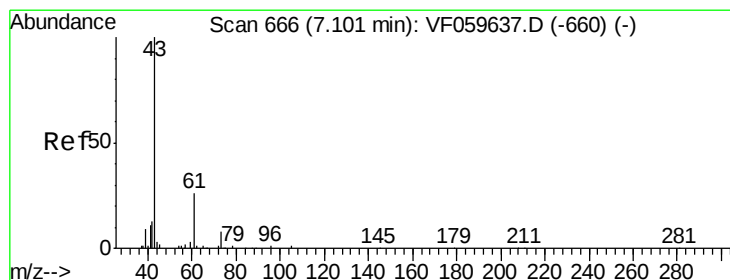
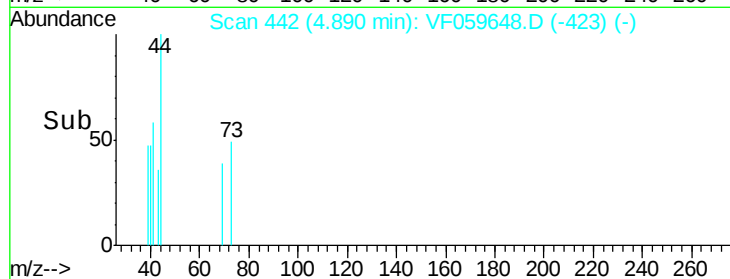
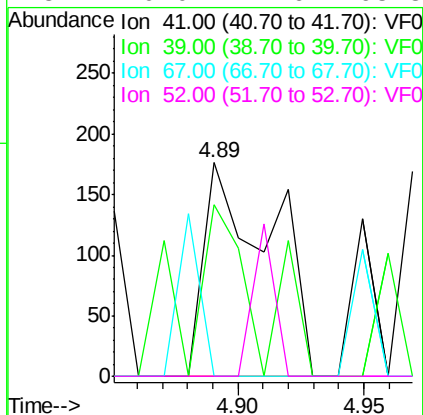
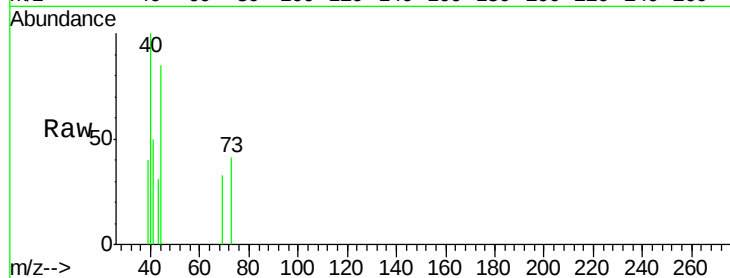




#41
Methacrylonitrile
Concen: 11.270 ug/l
RT: 4.89 min Scan# 442
Delta R.T. -0.01 min
Lab File: VF059648.D
Acq: 24 Jul 2018 23:31

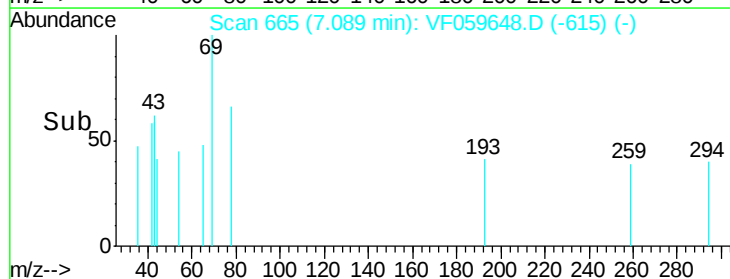
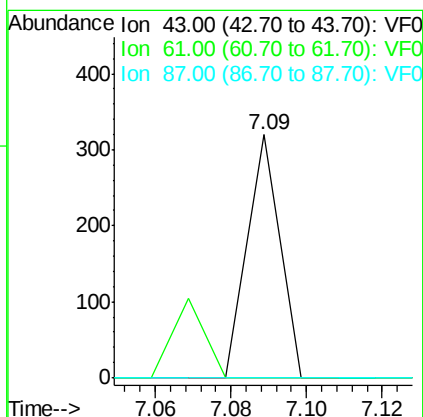
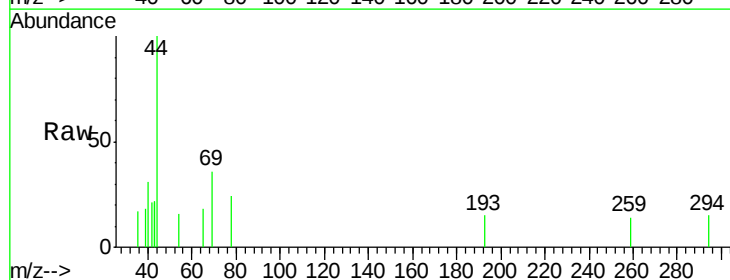
Instrument :
MSVOA_F
ClientSampled :

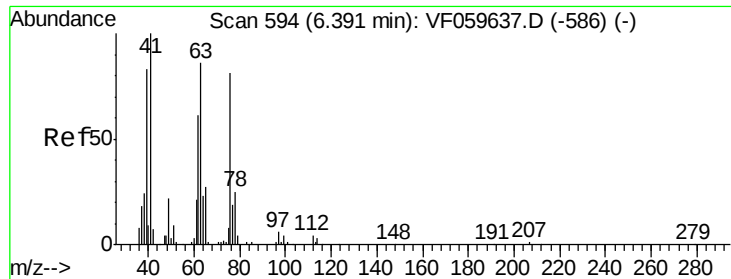
Tot Ion: 41 Resp: 324
Ion Ratio Lower Upper
41 100
39 80.7 56.9 85.3
67 0.0 36.6 54.8#
52 0.0 42.6 63.8#



#43
Isopropyl Acetate
Concen: 2.796 ug/l
RT: 7.09 min Scan# 665
Delta R.T. -0.01 min
Lab File: VF059648.D
Acq: 24 Jul 2018 23:31

Tgt Ion: 43 Resp: 189
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 0.4 0.6#

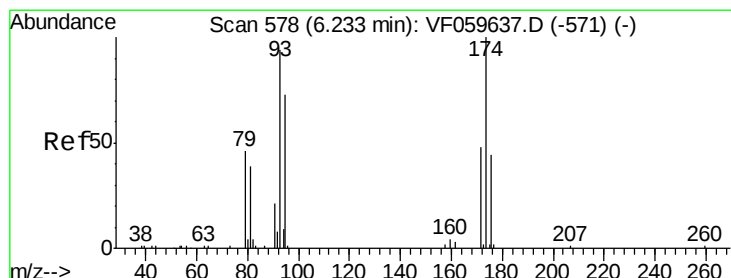
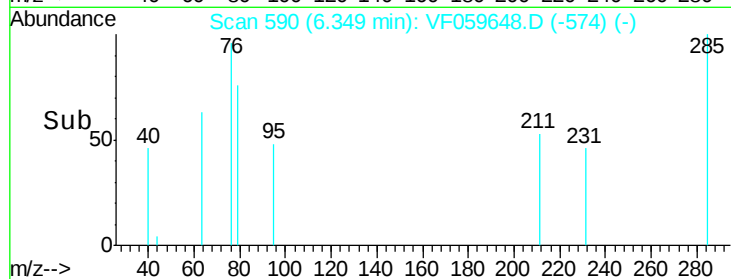
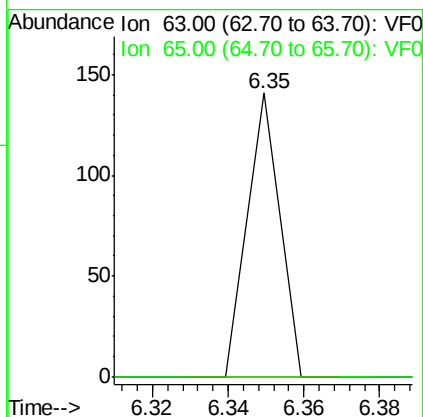
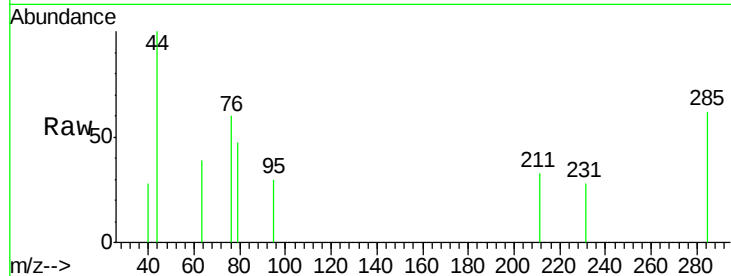




#45
 1,2-Dichloropropane
 Concen: 1.153 ug/l
 RT: 6.35 min Scan# 590
 Delta R.T. -0.04 min
 Lab File: VF059648.D
 Acq: 24 Jul 2018 23:31

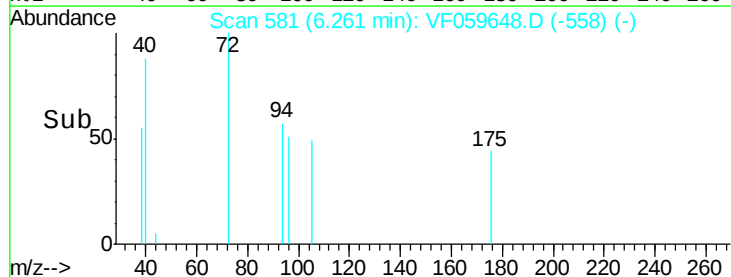
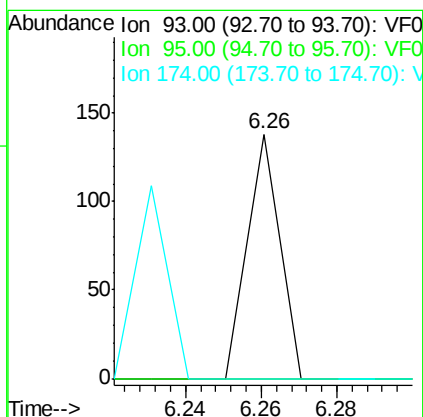
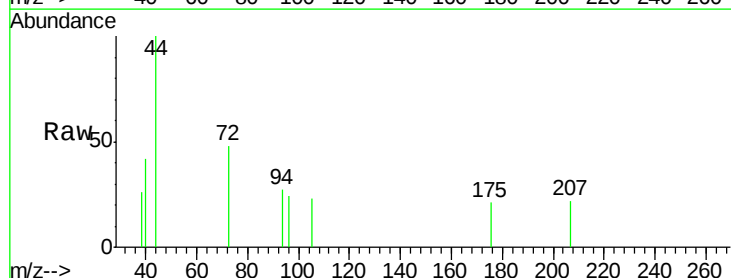
Instrument :
 MSVOA_F
 ClientSampleId :

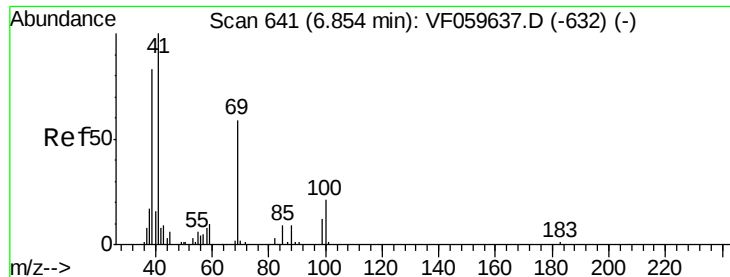
Tot Ion: 63 Resp: 83
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.1 37.7#



#46
 Dibromomethane
 Concen: 1.349 ug/l
 RT: 6.26 min Scan# 581
 Delta R.T. 0.03 min
 Lab File: VF059648.D
 Acq: 24 Jul 2018 23:31

Tgt Ion: 93 Resp: 82
 Ion Ratio Lower Upper
 93 100
 95 0.0 63.1 94.7#
 174 0.0 85.3 127.9#

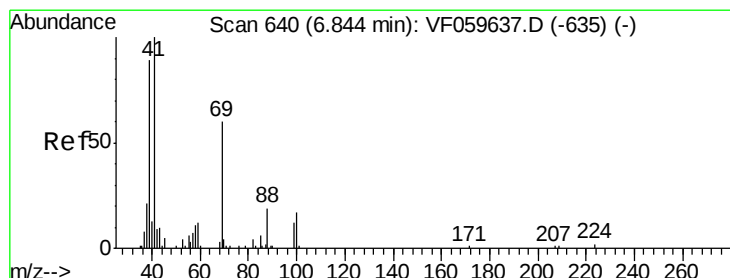
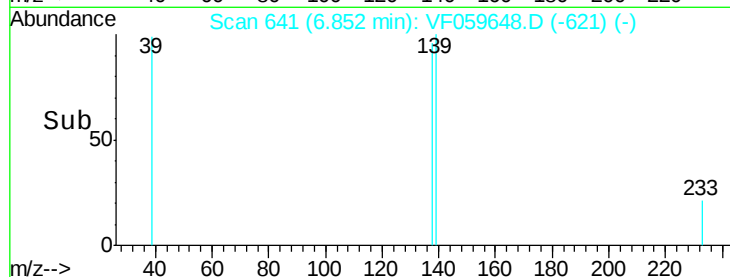
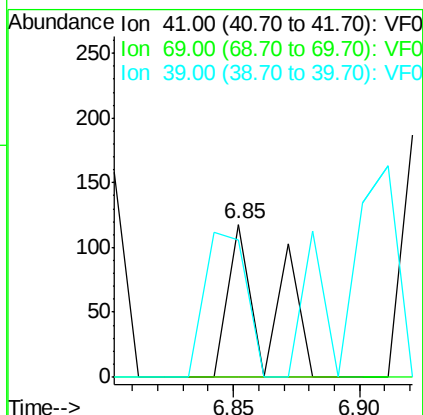
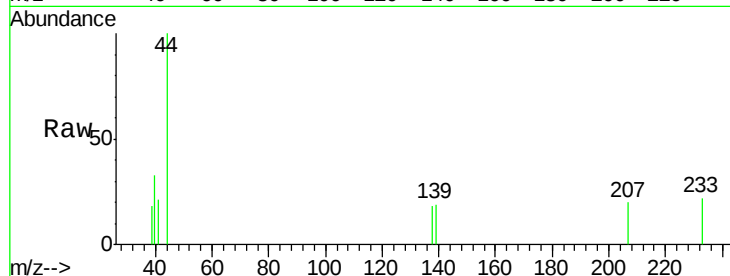




#48
Methvl methacrylate
Concen: 2.633 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.00 min
Lab File: VF059648.D
Acq: 24 Jul 2018 23:31

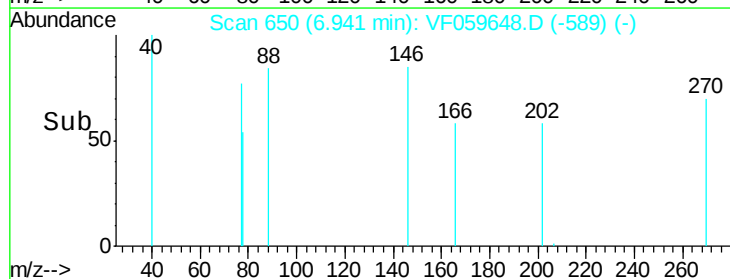
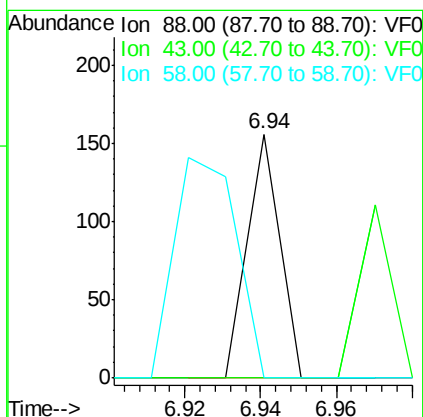
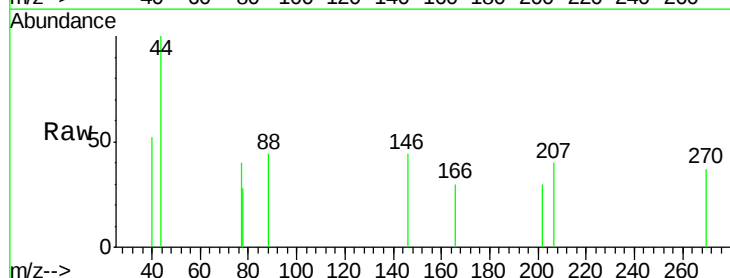
Instrument :
MSVOA_F
ClientSampleId :

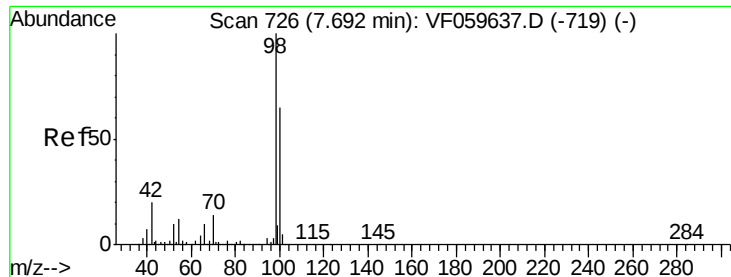
Tot Ion: 41 Resp: 131
Ion Ratio Lower Upper
41 100
69 0.0 47.5 71.3#
39 249.2 67.0 100.6#



#49
1,4-Dioxane
Concen: 240.251 ug/l
RT: 6.94 min Scan# 650
Delta R.T. 0.10 min
Lab File: VF059648.D
Acq: 24 Jul 2018 23:31

Tgt Ion: 88 Resp: 92
Ion Ratio Lower Upper
88 100
43 0.0 45.3 67.9#
58 0.0 47.7 71.5#

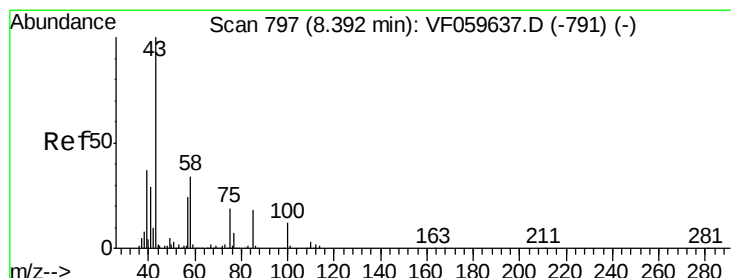
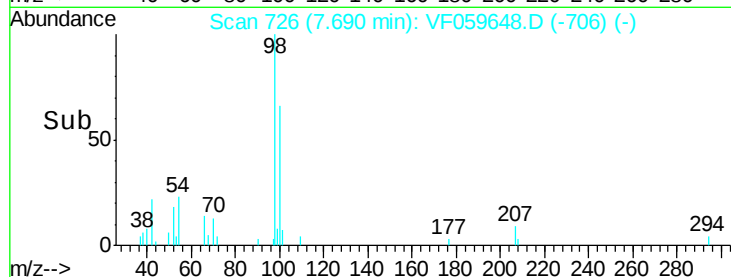
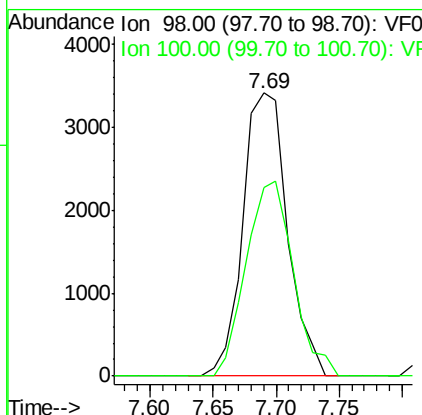
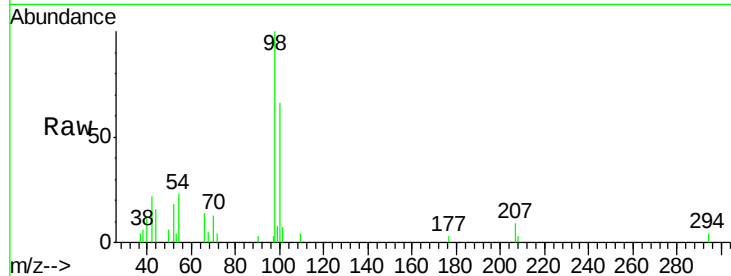




#50
Toluene-d8
Concen: 25.511 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.00 min
Lab File: VF059648.D
Acq: 24 Jul 2018 23:31

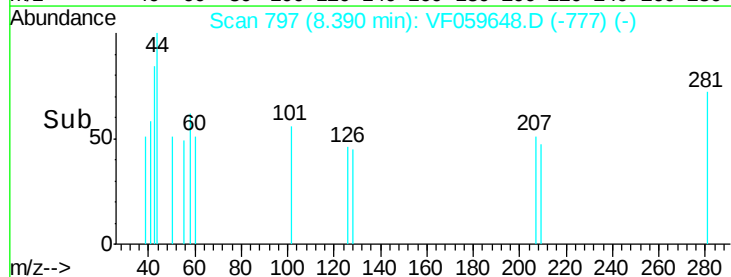
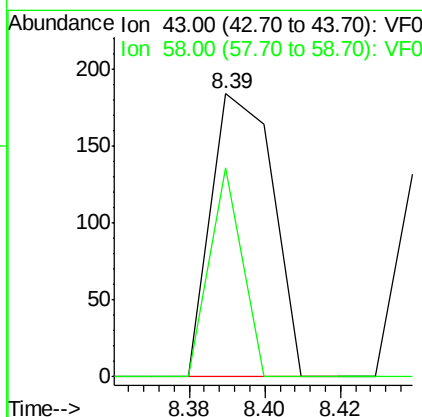
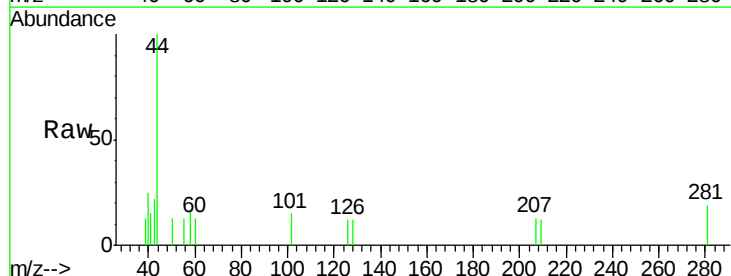
Instrument :
MSVOA_F
ClientSampleId :

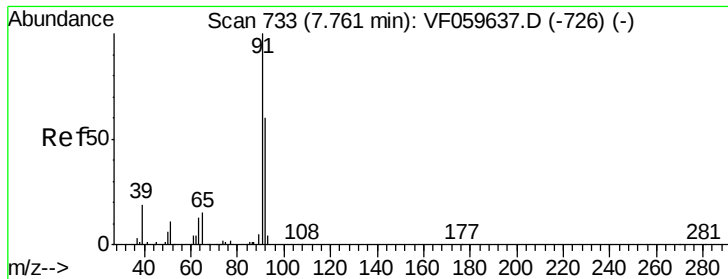
Tot Ion: 98 Resp: 8395
Ion Ratio Lower Upper
98 100
100 66.5 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 4.146 ug/l
RT: 8.39 min Scan# 797
Delta R.T. -0.00 min
Lab File: VF059648.D
Acq: 24 Jul 2018 23:31

Tgt Ion: 43 Resp: 206
Ion Ratio Lower Upper
43 100
58 73.9 27.3 40.9#





#52

Toluene

Concen: Below Cal

RT: 7.84 min Scan# 741

Delta R.T. 0.08 min

Lab File: VF059648.D

Acq: 24 Jul 2018 23:31

Instrument :

MSVOA_F

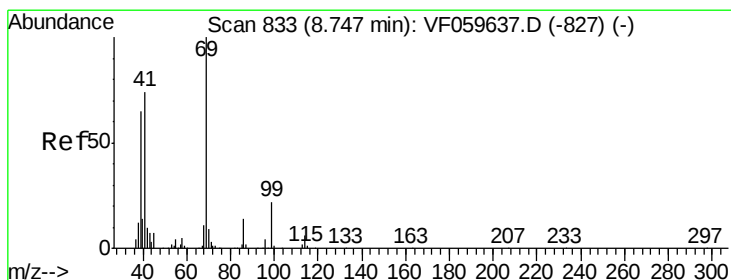
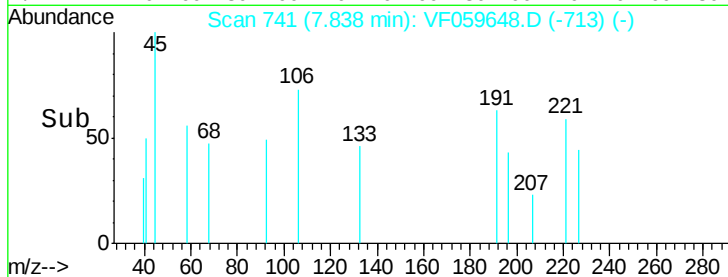
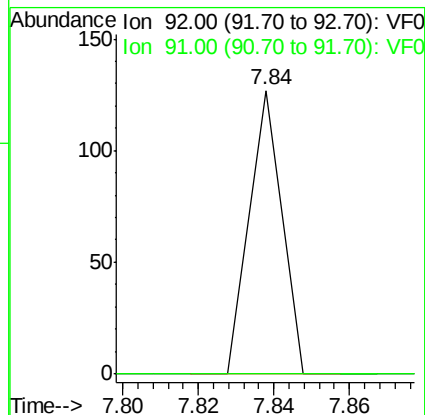
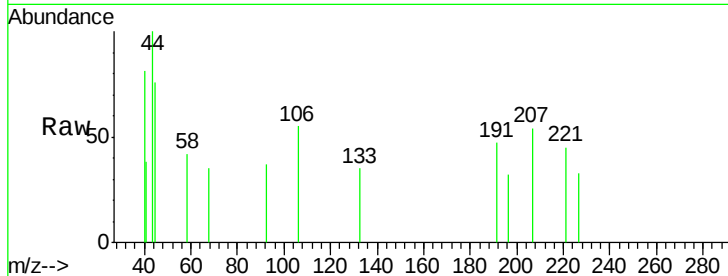
ClientSampled :

Tot Ion: 92 Resp: 75

Ion Ratio Lower Upper

92 100

91 0.0 134.2 201.4#



#56

Ethyl methacrylate

Concen: 1.033 ug/l

RT: 8.72 min Scan# 831

Delta R.T. -0.02 min

Lab File: VF059648.D

Acq: 24 Jul 2018 23:31

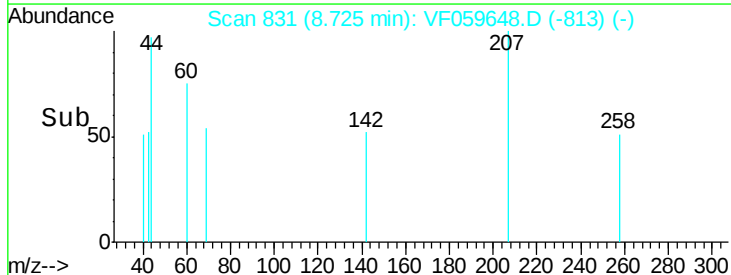
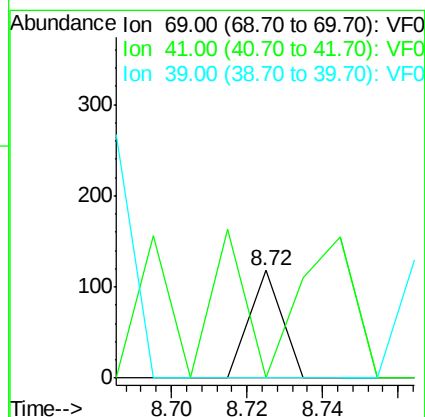
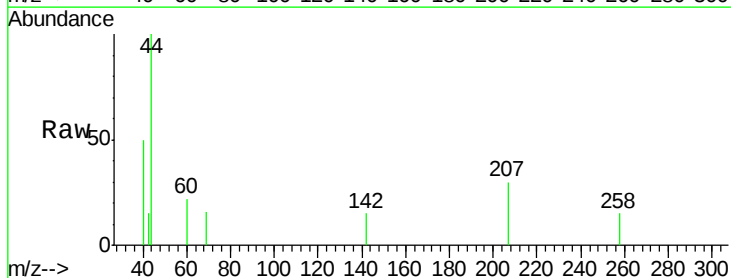
Tgt Ion: 69 Resp: 70

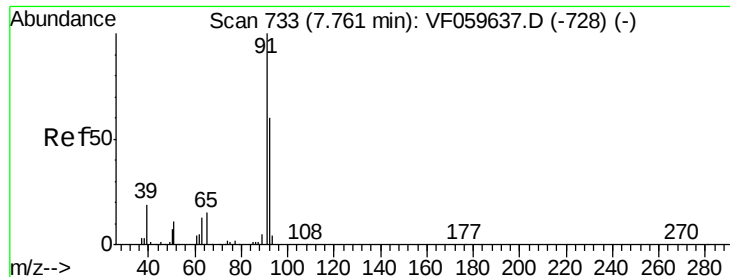
Ion Ratio Lower Upper

69 100

41 0.0 59.1 88.7#

39 0.0 52.4 78.6#





#58

2-Chloroethyl Vinyl ether

Concen: 14.371 ug/l

RT: 7.64 min Scan# 721

Delta R.T. -0.12 min

Lab File: VF059648.D

Acq: 24 Jul 2018 23:31

Instrument :

MSVOA_F

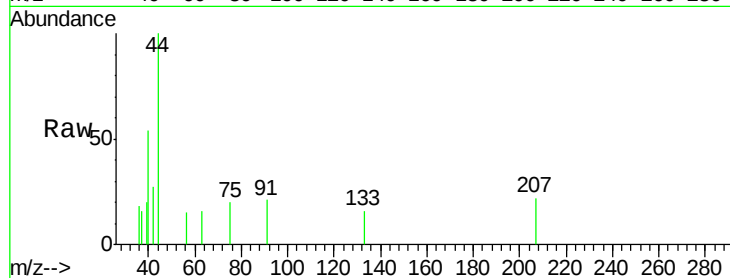
ClientSampleId :

Tot Ion: 63 Resp: 125

Ion Ratio Lower Upper

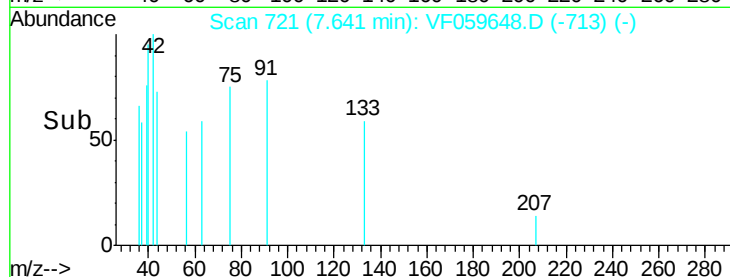
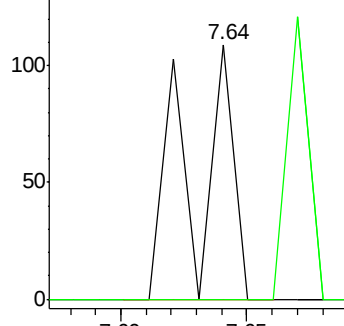
63 100

106 0.0 0.0 0.0

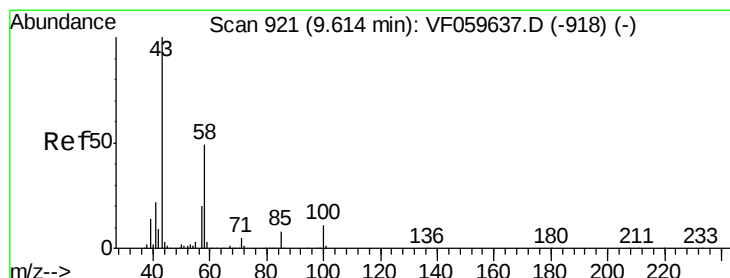


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): VF0



Time-->



#59

2-Hexanone

Concen: 27.174 ug/l

RT: 9.62 min Scan# 922

Delta R.T. 0.01 min

Lab File: VF059648.D

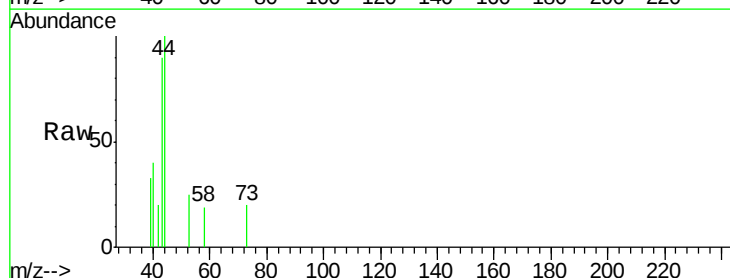
Acq: 24 Jul 2018 23:31

Tgt Ion: 43 Resp: 1031

Ion Ratio Lower Upper

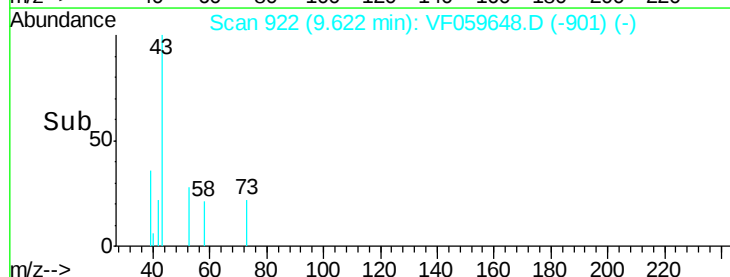
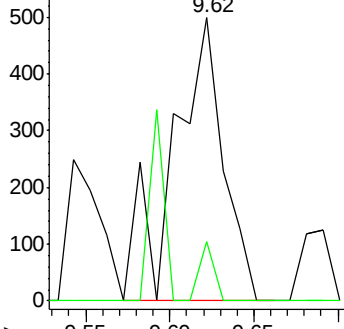
43 100

58 20.8 23.6 71.0#

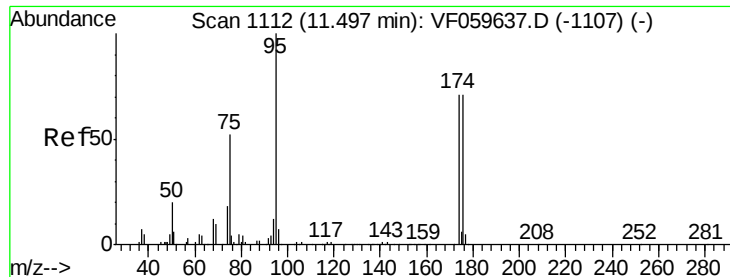


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#62

4-Bromofluorobenzene

Concen: 12.934 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF059648.D

Acq: 24 Jul 2018 23:31

Instrument :

MSVOA_F

ClientSampleId :

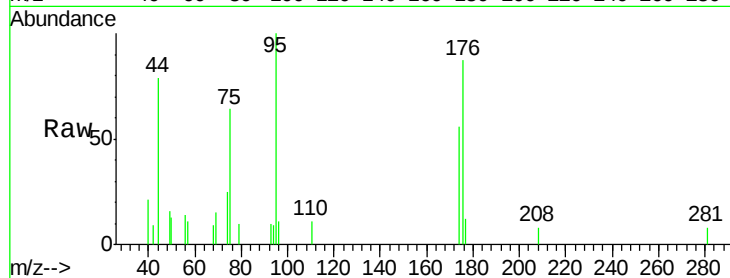
Tot Ion: 95 Resp: 2187

Ion Ratio Lower Upper

95 100

174 56.0 0.0 141.8

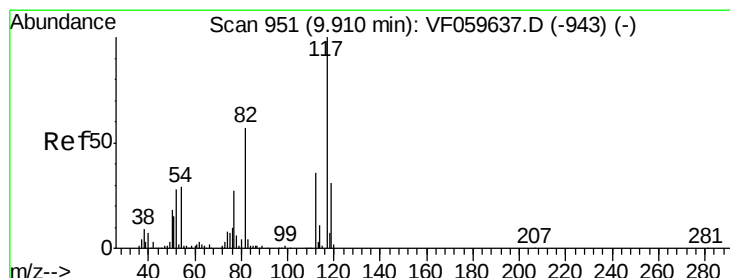
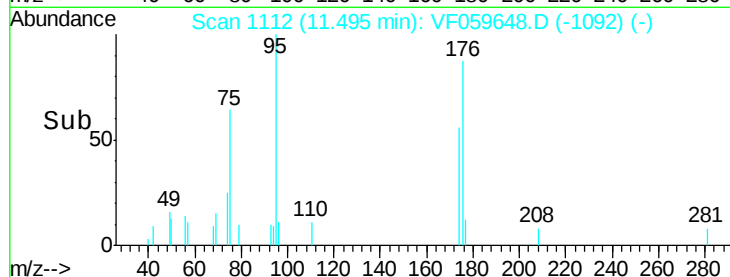
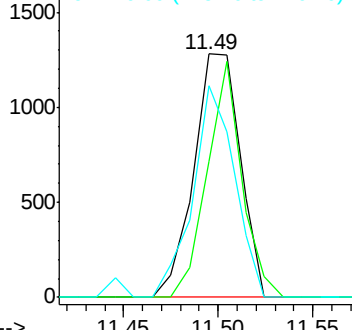
176 87.1 0.0 142.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 950

Delta R.T. -0.01 min

Lab File: VF059648.D

Acq: 24 Jul 2018 23:31

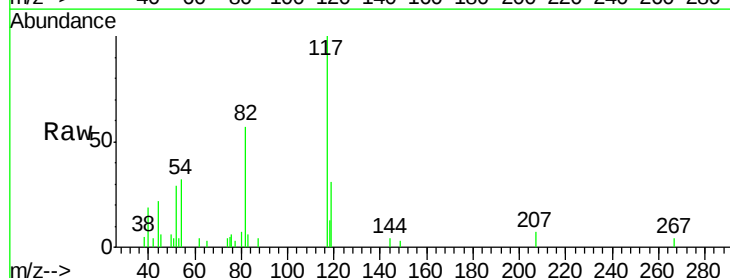
Tgt Ion: 117 Resp: 7981

Ion Ratio Lower Upper

117 100

82 57.0 45.9 68.9

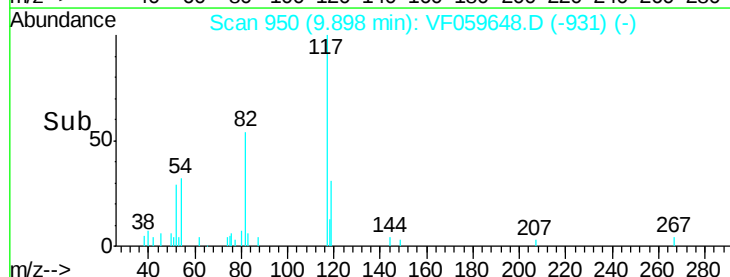
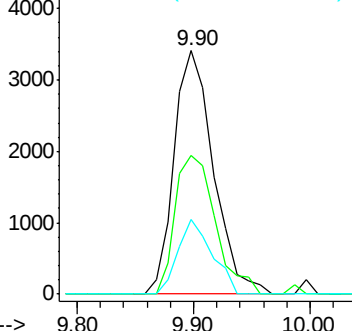
119 30.7 25.1 37.7

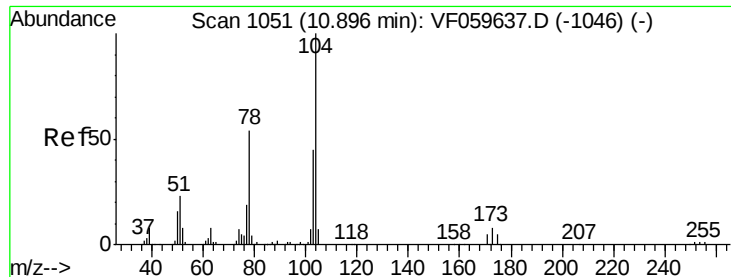


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

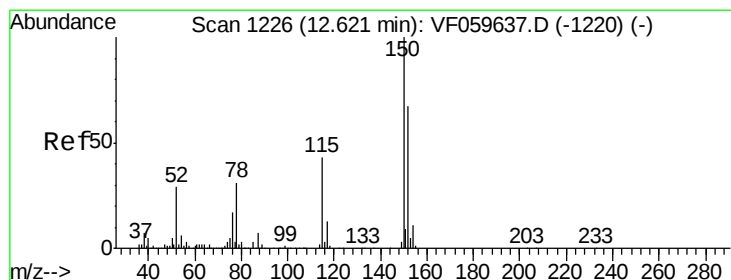
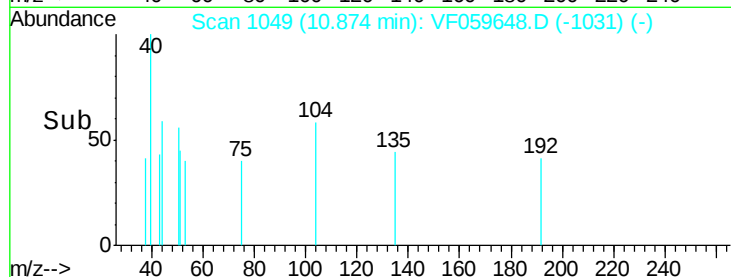
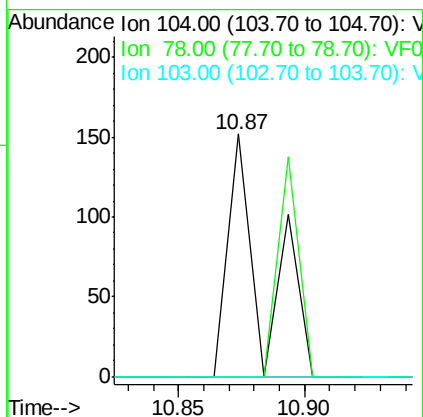
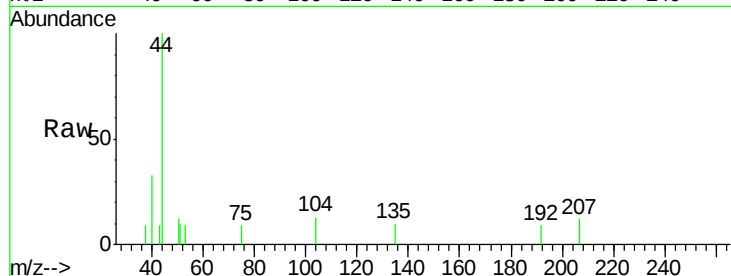




#70
Stvrene
Concen: 1.028 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. -0.02 min
Lab File: VF059648.D
Acq: 24 Jul 2018 23:31

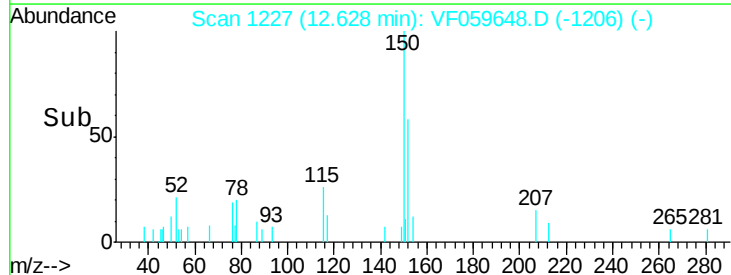
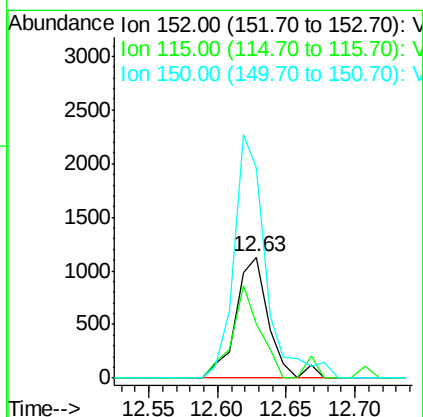
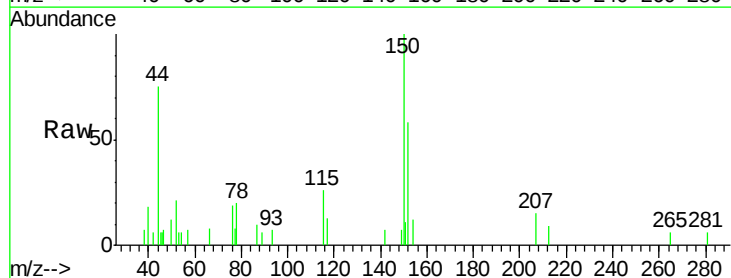
Instrument :
MSVOA_F
ClientSampled :

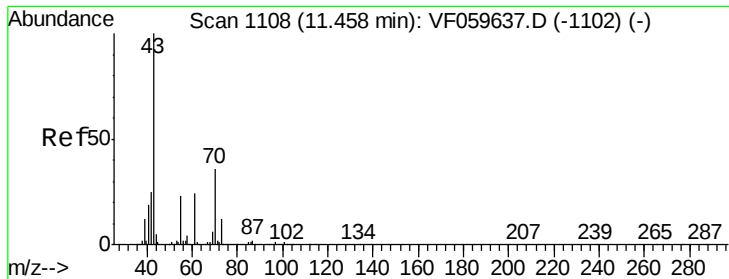
Tot Ion	Ratio	Lower	Upper
104	100		
78	0.0	43.4	65.2#
103	0.0	36.7	55.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VF059648.D
Acq: 24 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	44.6	32.0	96.2
150	173.8	0.0	313.2





#74

N-amvl acetate

Concen: 6.874 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF059648.D

Acq: 24 Jul 2018 23:31

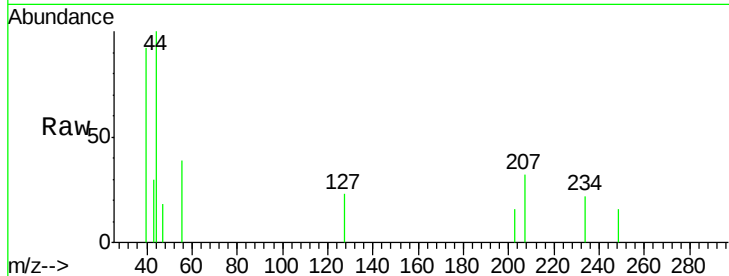
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 176

Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.4	44.0#
55	127.7	18.2	27.4#
61	0.0	18.9	28.3#

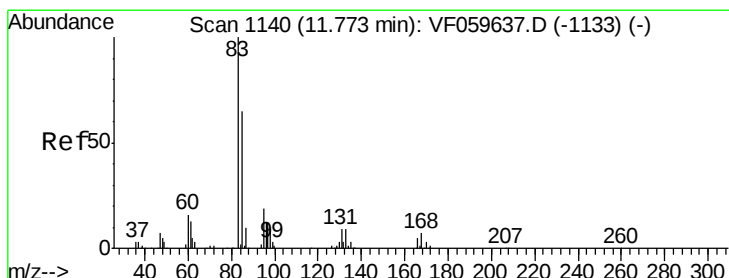
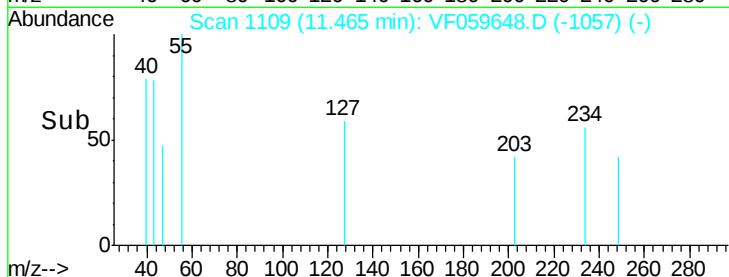
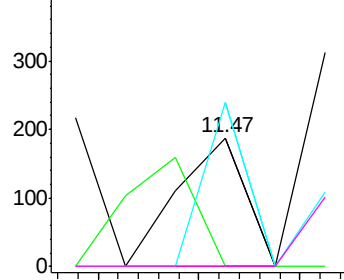


Abundance Ion 43.00 (42.70 to 43.70): VF0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 3.484 ug/l

RT: 11.65 min Scan# 1128

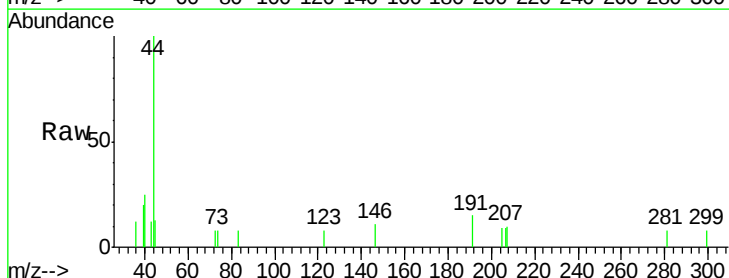
Delta R.T. -0.12 min

Lab File: VF059648.D

Acq: 24 Jul 2018 23:31

Tgt Ion: 83 Resp: 63

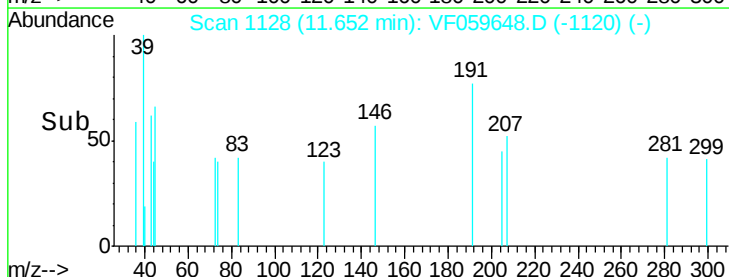
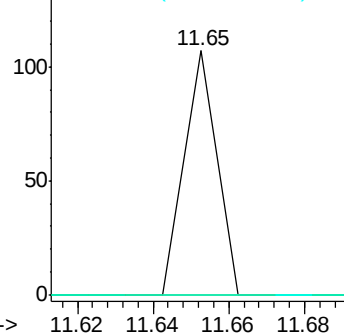
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.5	13.5#
85	0.0	32.6	97.7#

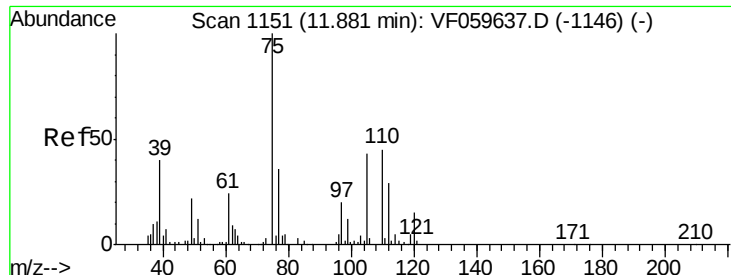


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0

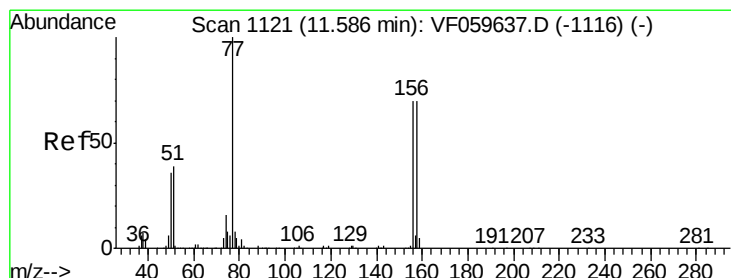
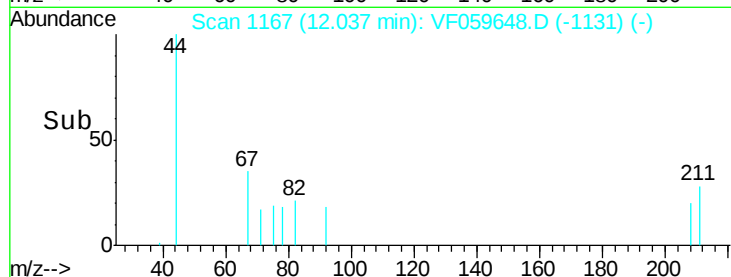
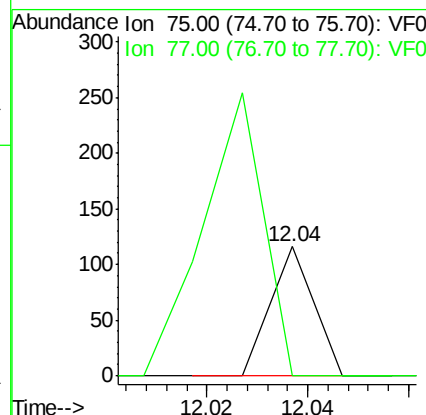
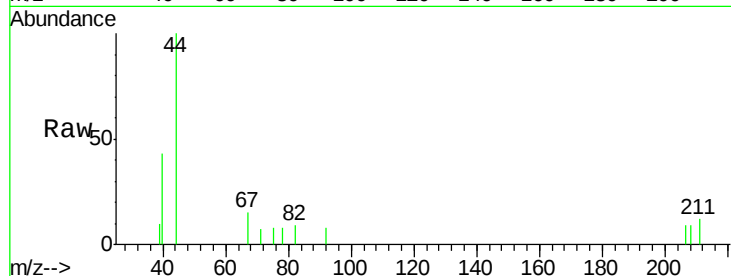




#76
 1,2,3-Trichloropropane
 Concen: 4.620 ug/l
 RT: 12.04 min Scan# 1167
 Delta R.T. 0.16 min
 Lab File: VF059648.D
 Acq: 24 Jul 2018 23:31

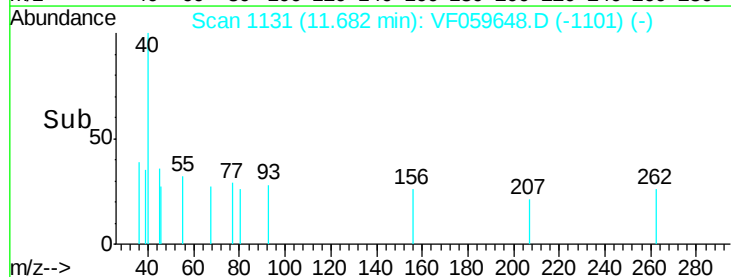
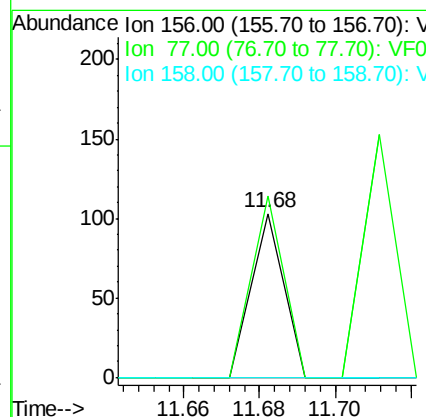
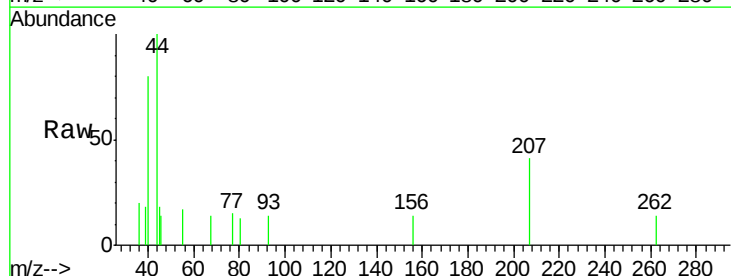
Instrument :
 MSVOA_F
 ClientSampleId :

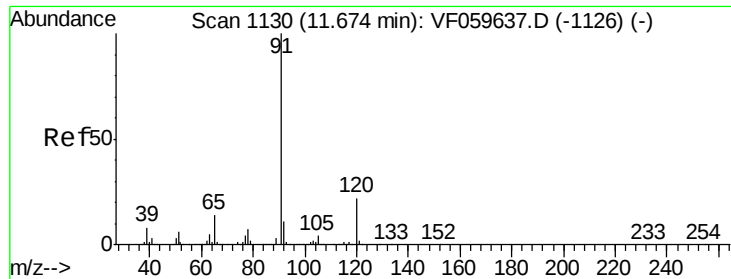
Tot Ion: 75 Resp: 69
 Ion Ratio Lower Upper
 75 100
 77 0.0 18.4 55.0#



#77
 Bromobenzene
 Concen: 2.088 ug/l
 RT: 11.68 min Scan# 1131
 Delta R.T. 0.10 min
 Lab File: VF059648.D
 Acq: 24 Jul 2018 23:31

Tgt Ion: 156 Resp: 61
 Ion Ratio Lower Upper
 156 100
 77 110.7 71.5 214.3
 158 0.0 50.0 149.8#





#78

n-propylbenzene

Concen: 1.463 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF059648.D

Acq: 24 Jul 2018 23:31

Instrument :

MSVOA_F

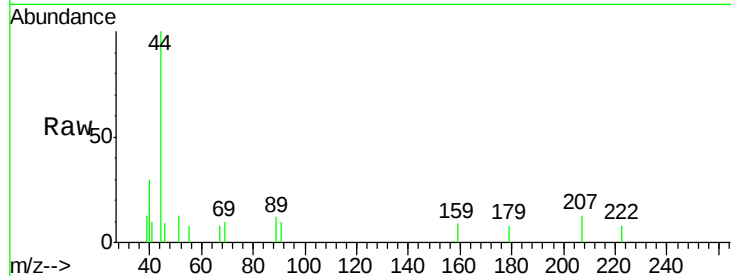
ClientSampleId :

Tot Ion: 91 Resp: 208

Ion Ratio Lower Upper

91 100

120 0.0 10.8 32.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

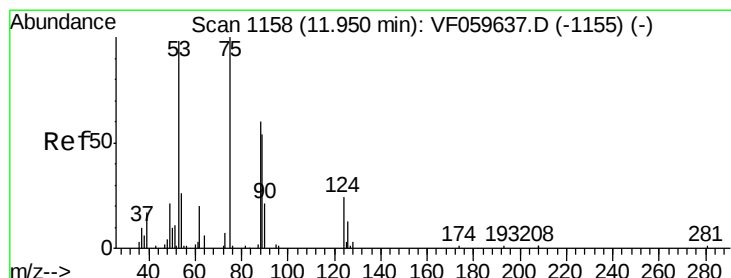
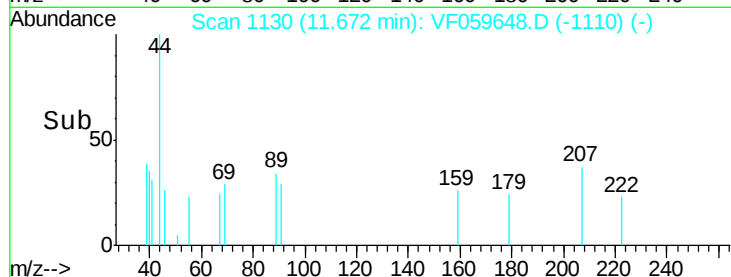
11.67

100

50

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 7.505 ug/l

RT: 12.04 min Scan# 1167

Delta R.T. 0.09 min

Lab File: VF059648.D

Acq: 24 Jul 2018 23:31

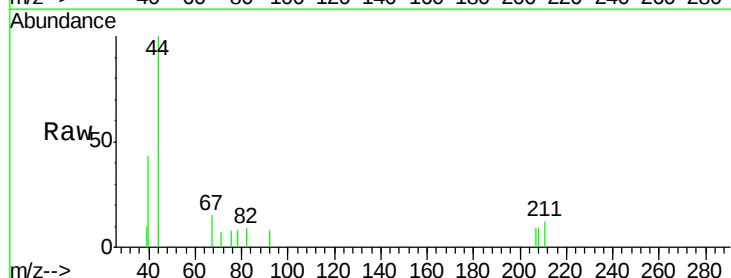
Tgt Ion: 75 Resp: 69

Ion Ratio Lower Upper

75 100

53 0.0 82.3 123.5#

89 0.0 48.2 72.2#



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

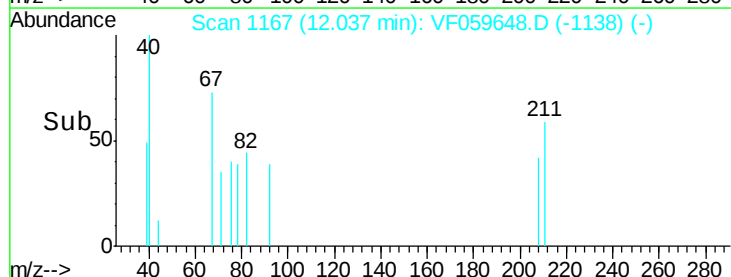
12.04

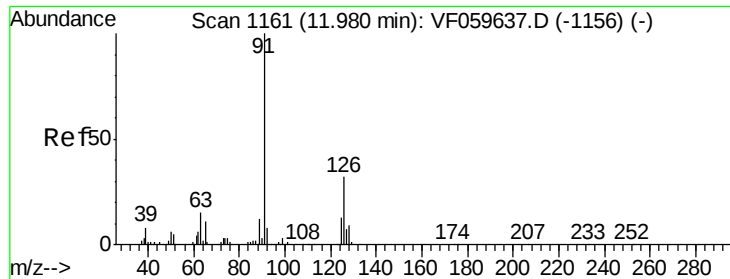
100

50

0

Time-->





#82

4-Chlorotoluene

Concen: 3.966 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VF059648.D

Acq: 24 Jul 2018 23:31

Instrument :

MSVOA_F

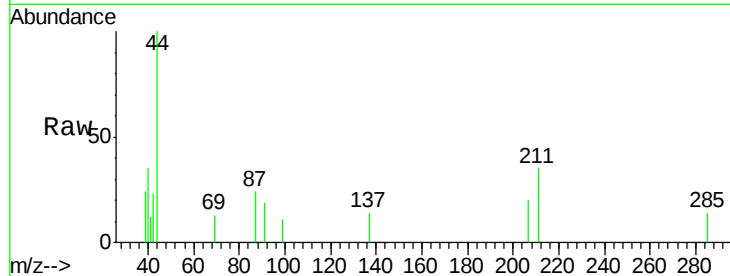
ClientSampled :

Tot Ion: 91 Resp: 362

Ion Ratio Lower Upper

91 100

126 0.0 16.1 48.2#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.98

200

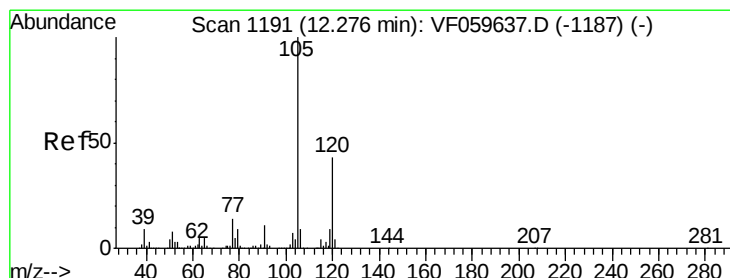
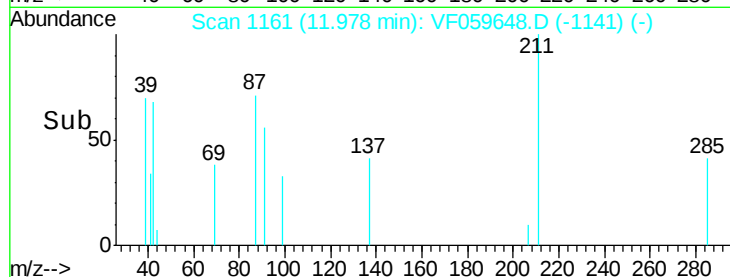
150

100

50

0

Time--> 11.90 11.95 12.00



#84

1,2,4-Trimethylbenzene

Concen: 1.423 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VF059648.D

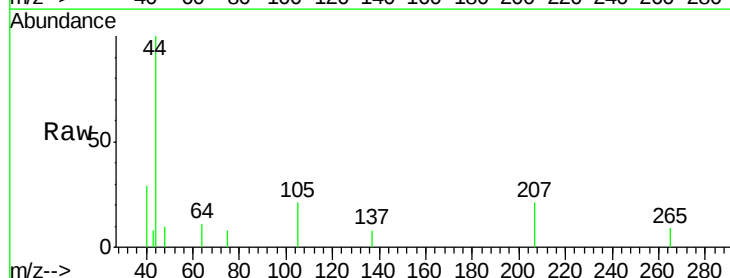
Acq: 24 Jul 2018 23:31

Tgt Ion: 105 Resp: 155

Ion Ratio Lower Upper

105 100

120 0.0 21.4 64.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.27

300

250

200

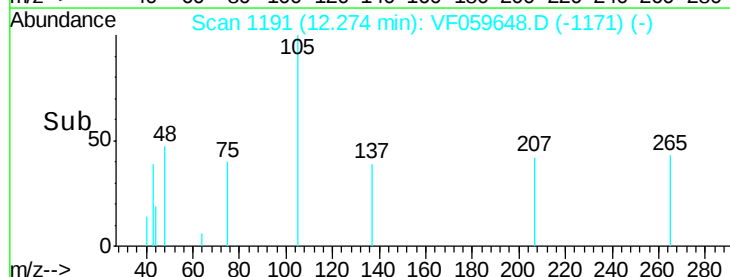
150

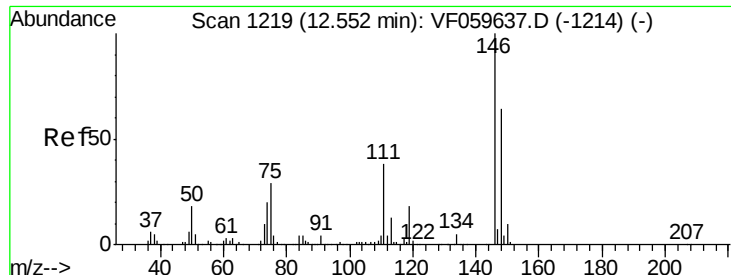
100

50

0

Time--> 12.24 12.26 12.28 12.30

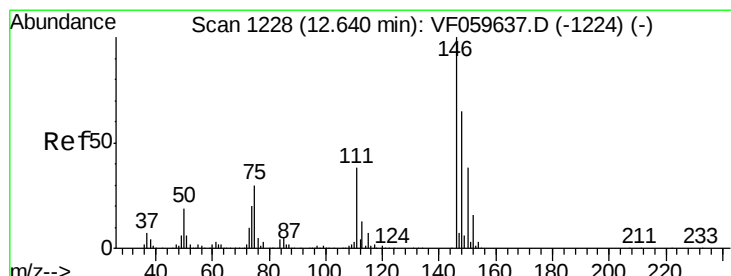
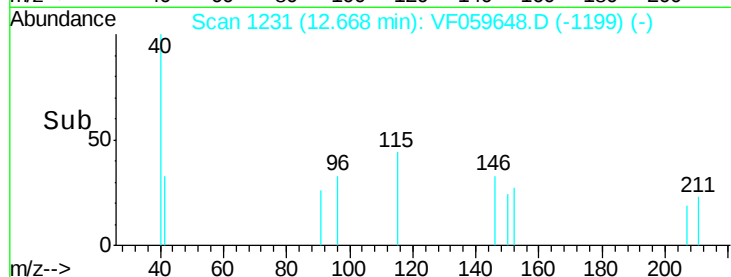
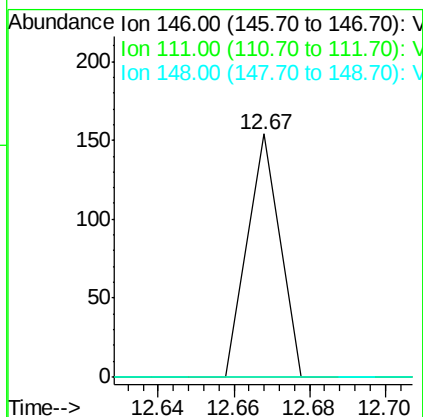
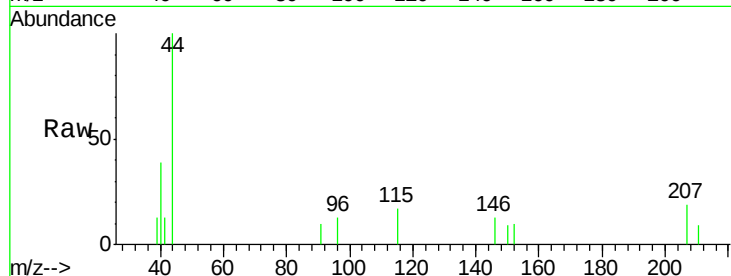




#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.67 min Scan# 1231
 Delta R.T. 0.12 min
 Lab File: VF059648.D
 Acq: 24 Jul 2018 23:31

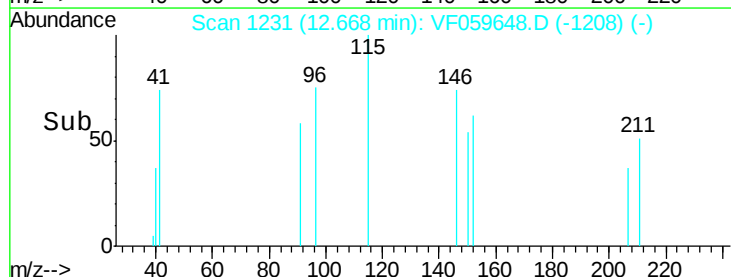
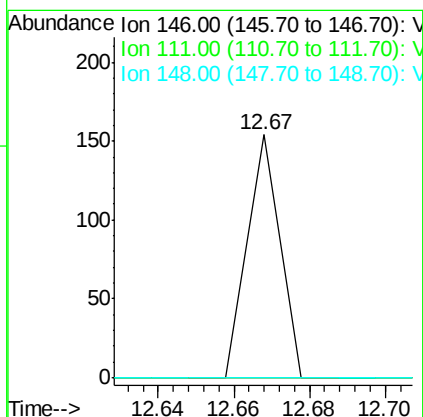
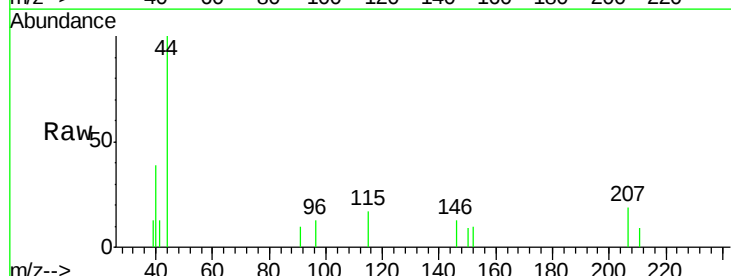
Instrument :
 MSVOA_F
 ClientSampleId :

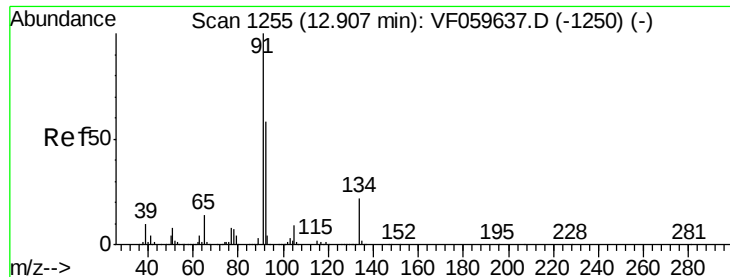
Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.1	57.1#
148	0.0	31.9	95.9#



#88
 1,4-Dichlorobenzene
 Concen: 1.607 ug/l
 RT: 12.67 min Scan# 1231
 Delta R.T. 0.03 min
 Lab File: VF059648.D
 Acq: 24 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.1	57.1#
148	0.0	32.4	97.2#





#89

n-Butylbenzene

Concen: Below Cal

RT: 12.90 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VF059648.D

Acq: 24 Jul 2018 23:31

Instrument :

MSVOA_F

ClientSampled :

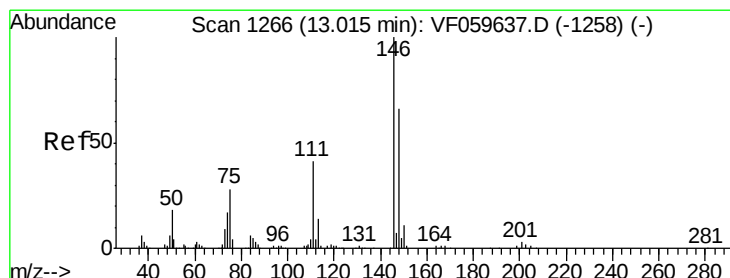
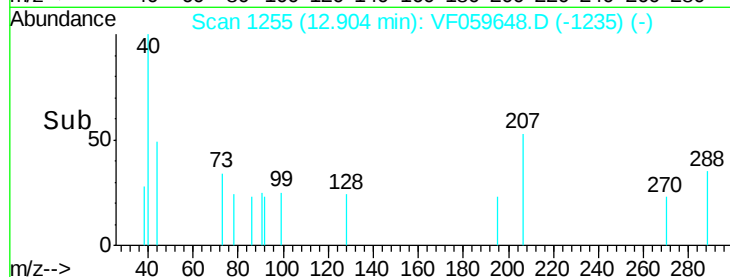
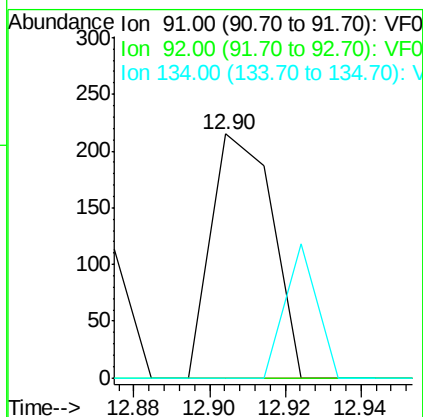
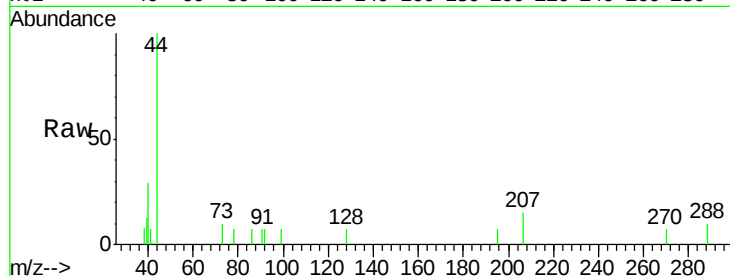
Tot Ion: 91 Resp: 238

Ion Ratio Lower Upper

91 100

92 0.0 29.1 87.3#

134 0.0 11.2 33.6#



#91

1,2-Dichlorobenzene

Concen: 1.136 ug/l

RT: 13.17 min Scan# 1282

Delta R.T. 0.16 min

Lab File: VF059648.D

Acq: 24 Jul 2018 23:31

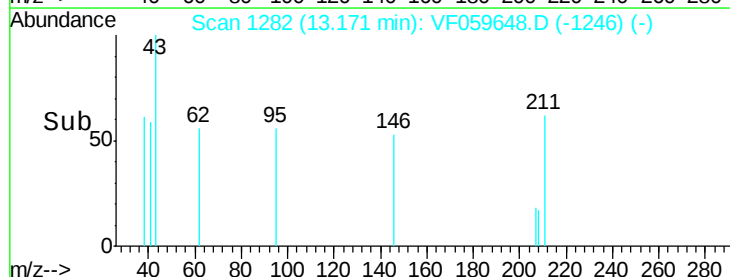
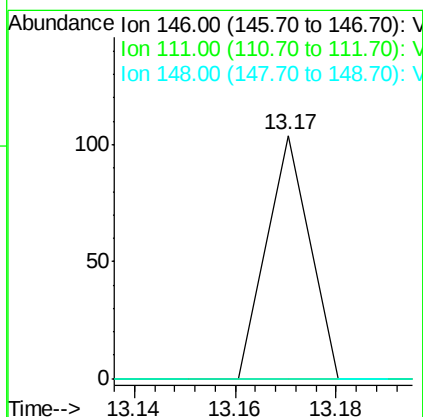
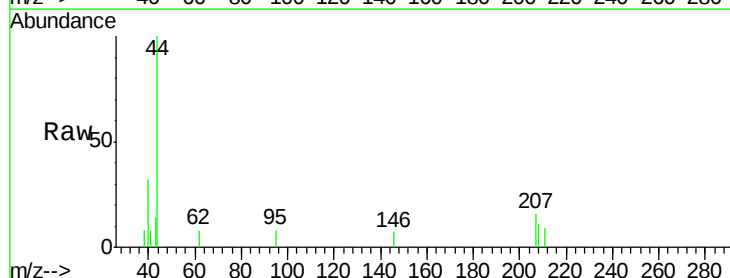
Tgt Ion: 146 Resp: 62

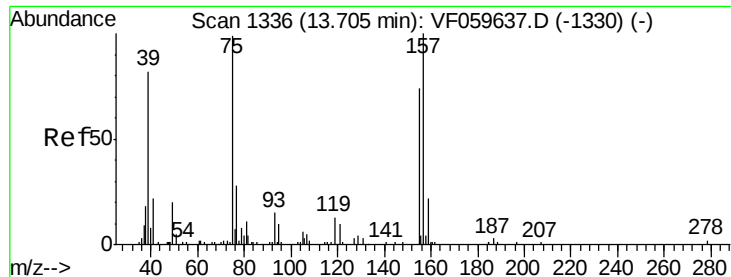
Ion Ratio Lower Upper

146 100

111 0.0 20.3 61.0#

148 0.0 32.9 98.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 13.939 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.01 min

Lab File: VF059648.D

Acq: 24 Jul 2018 23:31

Instrument :

MSVOA_F

ClientSampled :

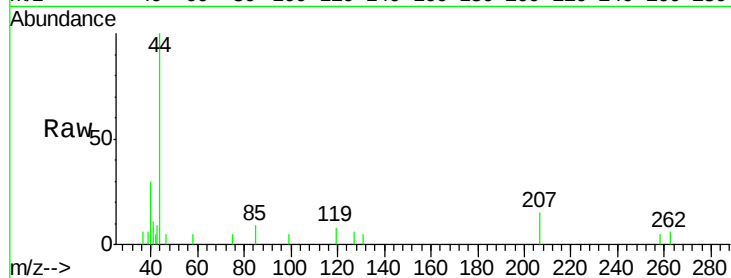
Tot Ion: 75 Resp: 65

Ion Ratio Lower Upper

75 100

155 0.0 37.5 112.7#

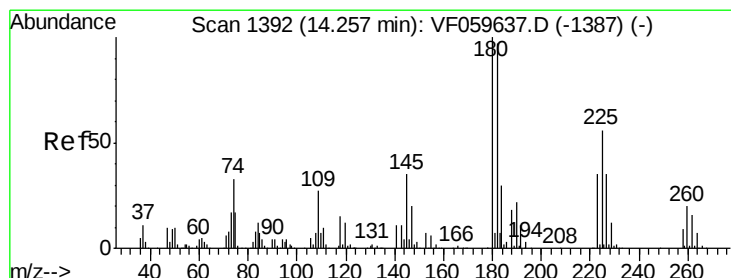
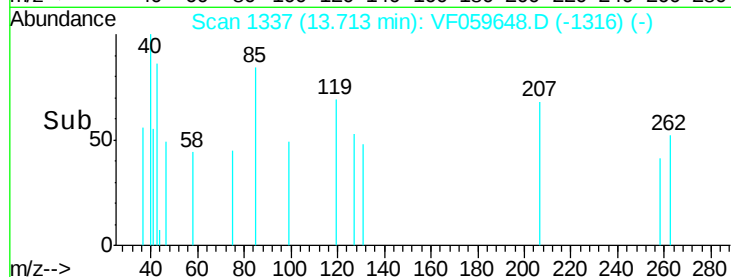
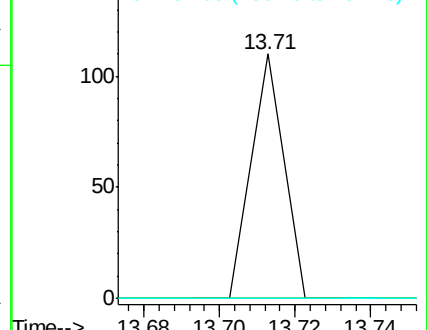
157 0.0 50.6 151.9#



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: 14.24 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VF059648.D

Acq: 24 Jul 2018 23:31

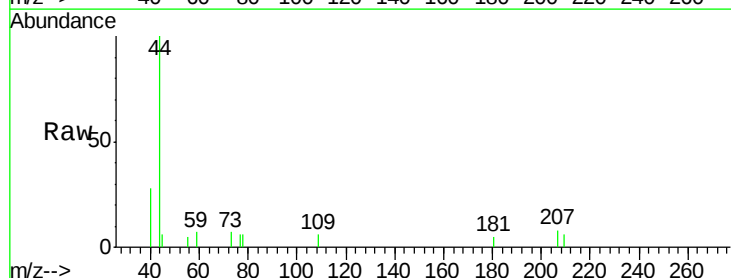
Tgt Ion: 180 Resp: 64

Ion Ratio Lower Upper

180 100

182 0.0 48.5 145.6#

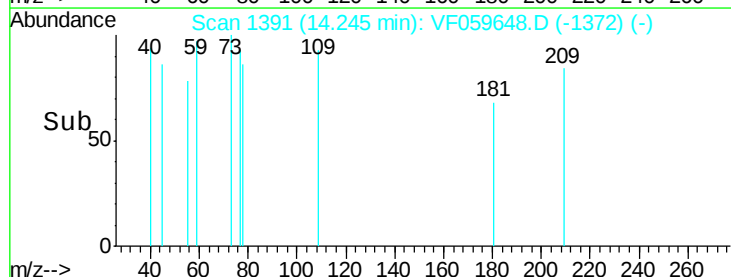
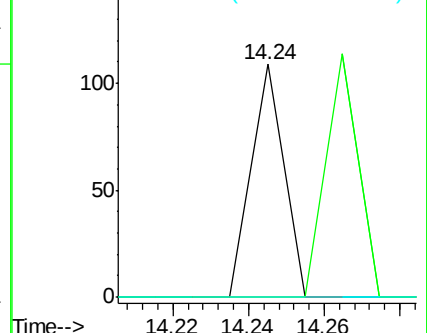
145 0.0 17.4 52.2#

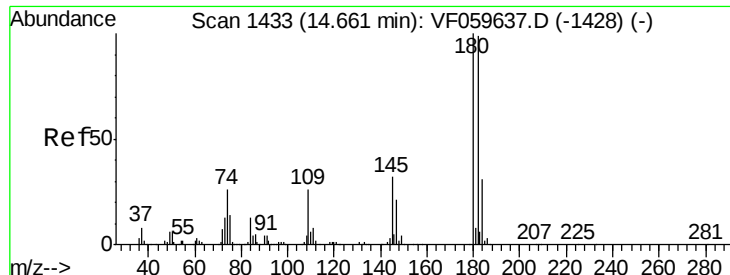


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#96

1,2,3-Trichlorobenzene

Concen: 4.745 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. -0.01 min

Lab File: VF059648.D

Acq: 24 Jul 2018 23:31

Instrument :

MSVOA_F

ClientSampleId :

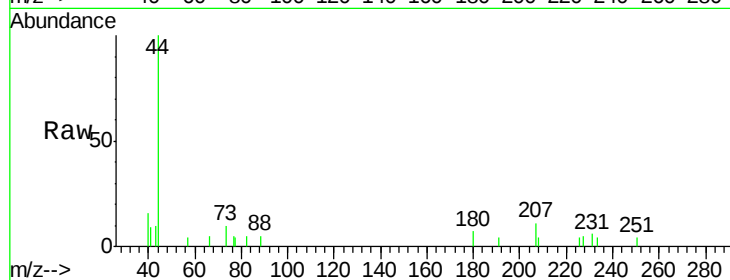
Tot Ion:180 Resp: 183

Ion Ratio Lower Upper

180 100

182 0.0 49.5 148.5#

145 0.0 16.0 48.0#



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

