

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059732.D
 Acq On : 1 Aug 2018 3:40
 Operator : VA/AP
 Sample : J3823-01
 Misc : 6.57g/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 01 07:37:59 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	5.04	168	1638	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.82	114	75	50.00	ug/l	0.06
63) Chlorobenzene-d5	10.04	117	76	50.00	ug/l	0.13
72) 1,4-Dichlorobenzene-d4	12.63	152	222	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.97	65	80	2.72	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	5.44%	
35) Dibromofluoromethane	4.31	113	73	93.71	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	187.42%	
50) Toluene-d8	7.71	98	977	537.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	1075.66%	
62) 4-Bromofluorobenzene	11.62	95	61	60.66	ug/l	0.11
Spiked Amount				50.000		
			Recovery	=	121.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.92	85	86	Below Cal	#	44
3) Chloromethane	1.16	50	86	4.569	ug/l #	1
7) Trichlorofluoromethane	1.67	101	105	3.433	ug/l #	18
8) Diethyl Ether	1.83	74	59	11.280	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	1.82	101	75	4.681	ug/l #	22
11) Tert butyl alcohol	2.73	59	69	57.005	ug/l #	74
13) Acrolein	2.06	56	60	106.370	ug/l #	4
14) Allyl chloride	2.20	41	139	6.863	ug/l #	1
15) Acrylonitrile	3.10	53	67	35.279	ug/l #	7
16) Acetone	2.33	43	67	12.653	ug/l #	68
18) Methyl Acetate	2.47	43	60	2.593	ug/l #	64
19) Methyl tert-butyl Ether	2.67	73	61	1.577	ug/l #	60
21) trans-1,2-Dichloroethene	2.37	96	86	5.476	ug/l #	1
22) Diisopropyl ether	2.84	45	61	1.424	ug/l #	33
23) Vinyl Acetate	3.35	43	333	15.123	ug/l #	83
25) 2-Butanone	4.51	43	76	12.861	ug/l #	74
26) 2,2-Dichloropropane	3.61	77	131	6.176	ug/l #	66
28) Bromochloromethane	3.90	49	155	11.426	ug/l #	15
29) Tetrahydrofuran	4.18	42	235	103.470	ug/l #	39
31) Cyclohexane	3.93	56	141	6.163	ug/l #	15
37) Ethyl Acetate	4.44	43	209	610.365	ug/l #	19
38) Carbon Tetrachloride	4.26	117	76	63.734	ug/l #	14
39) Methylcyclohexane	5.66	83	68	123.873	ug/l #	13
40) Benzene	4.86	78	80	52.819	ug/l #	52
41) Methacrylonitrile	4.92	41	131	732.163	ug/l #	24
43) Isopropyl Acetate	7.22	43	111	247.511	ug/l #	43
45) 1,2-Dichloropropane	6.43	63	87	217.507	ug/l #	43
47) Bromodichloromethane	6.71	83	65	62.854	ug/l #	25
49) 1,4-Dioxane	6.79	88	70	12432.422	ug/l #	21
51) 4-Methyl-2-Pentanone	8.41	43	76	222.778	ug/l #	42
54) cis-1,3-Dichloropropene	7.59	75	66	75.936	ug/l #	18
55) 1,1,2-Trichloroethane	8.70	97	236	575.324	ug/l #	14
59) 2-Hexanone	9.71	43	225	823.031	ug/l #	30
60) Dibromochloromethane	9.01	129	85	117.432	ug/l #	12

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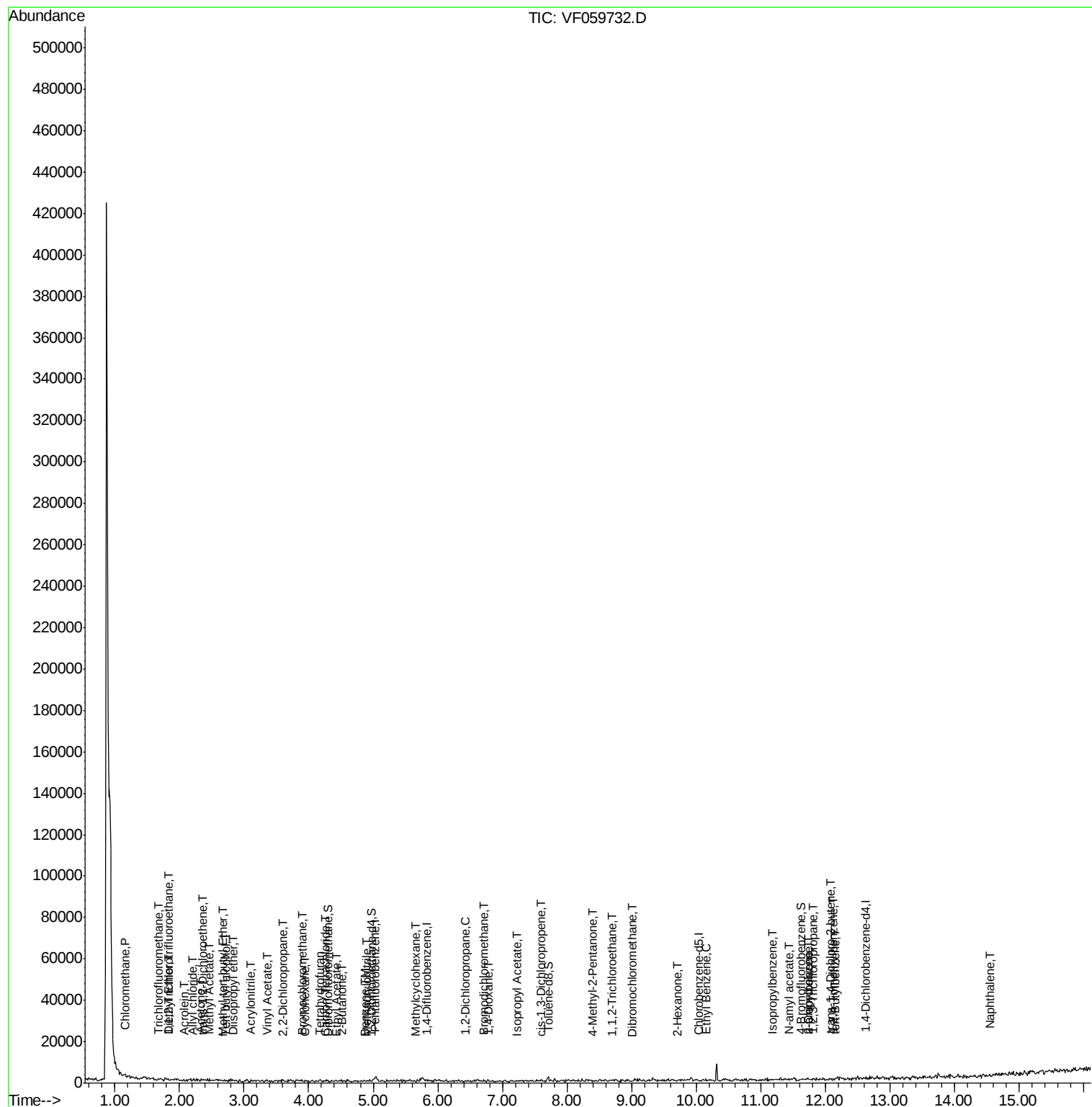
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) Ethyl Benzene	10.14	91	69	26.231	ug/l #	46
73) Isopropylbenzene	11.19	105	71	4.874	ug/l #	50
74) N-amyl acetate	11.43	43	73	19.864	ug/l #	12
76) 1,2,3-Trichloropropane	11.82	75	83	35.598	ug/l #	39
78) n-propylbenzene	11.75	91	132	4.257	ug/l #	54
79) 2-Chlorotoluene	11.75	91	132	10.586	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.07	75	71	73.529	ug/l #	9
83) tert-Butylbenzene	12.15	119	63	4.818	ug/l #	26
84) 1,2,4-Trimethylbenzene	12.12	105	73	1.866	ug/l #	33
95) Naphthalene	14.55	128	64	6.687	ug/l #	70

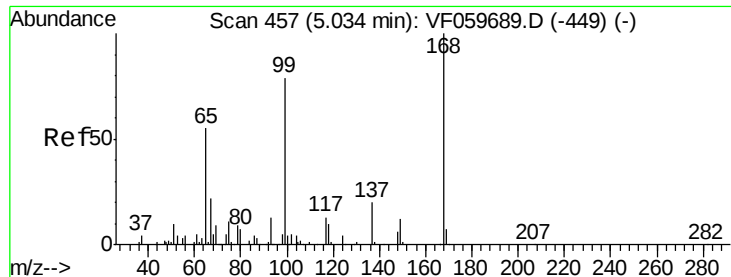
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059732.D

Acq: 1 Aug 2018 3:40

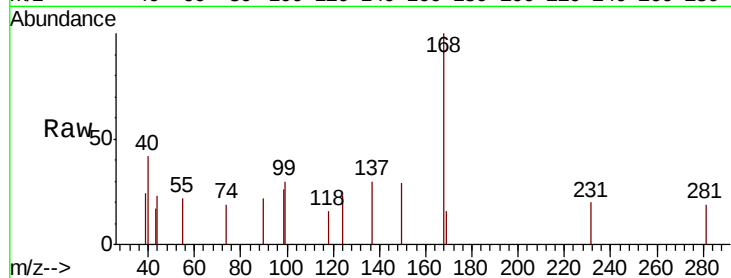
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 1638

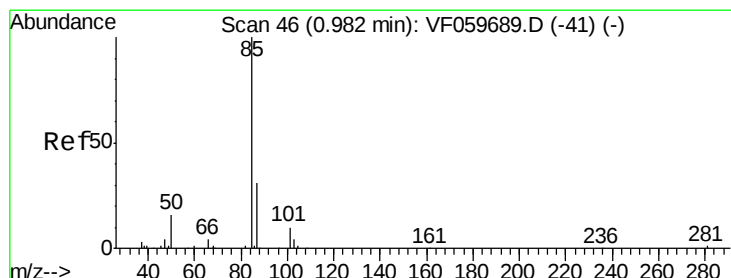
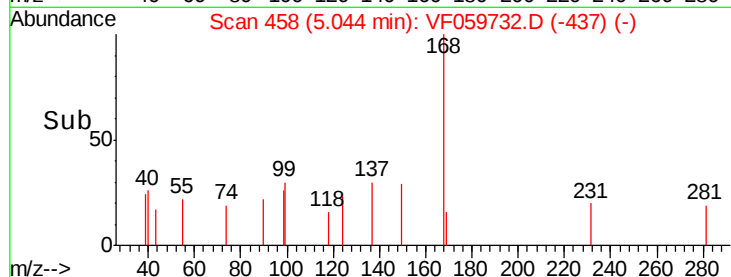
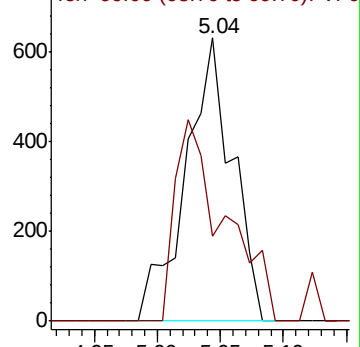
Ion Ratio Lower Upper

168 100

99 30.1 63.3 94.9#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.92 min Scan# 40

Delta R.T. -0.06 min

Lab File: VF059732.D

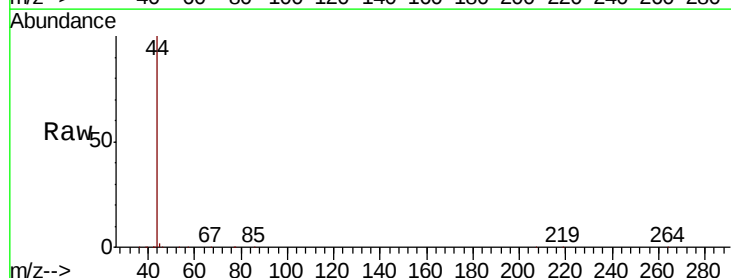
Acq: 1 Aug 2018 3:40

Tgt Ion: 85 Resp: 86

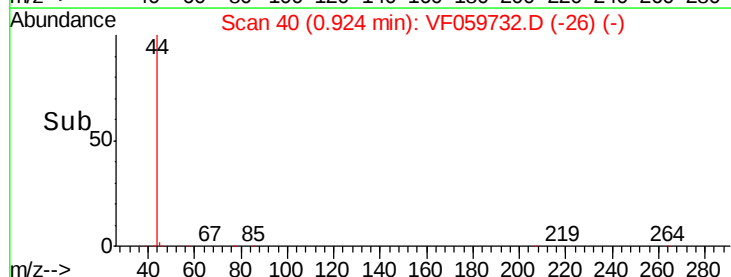
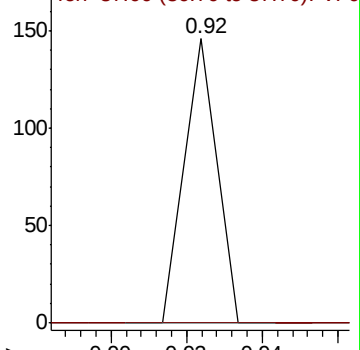
Ion Ratio Lower Upper

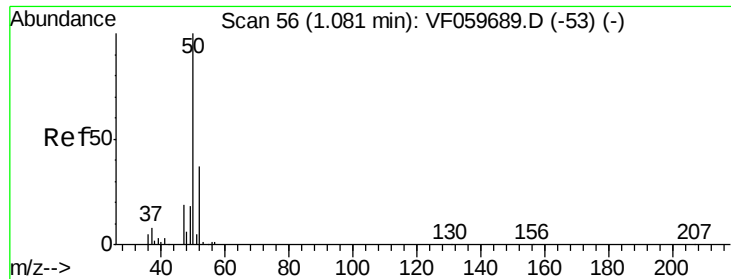
85 100

87 0.0 15.3 45.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 4.569 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.08 min

Lab File: VF059732.D

Acq: 1 Aug 2018 3:40

Instrument :

MSVOA_F

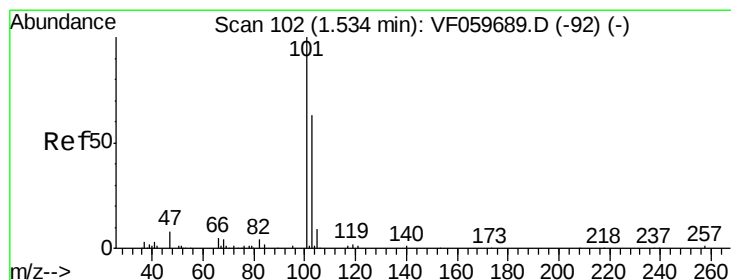
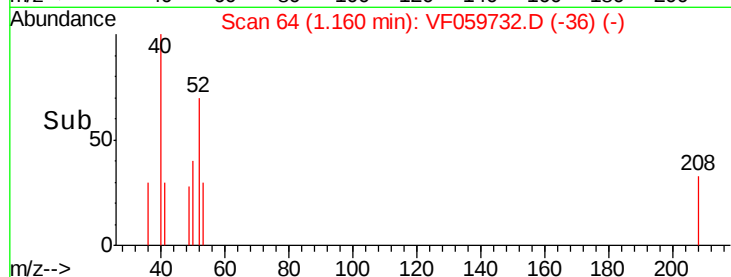
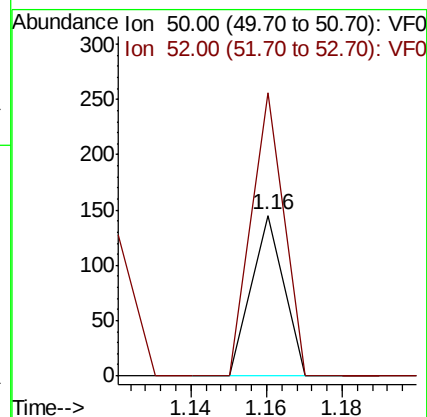
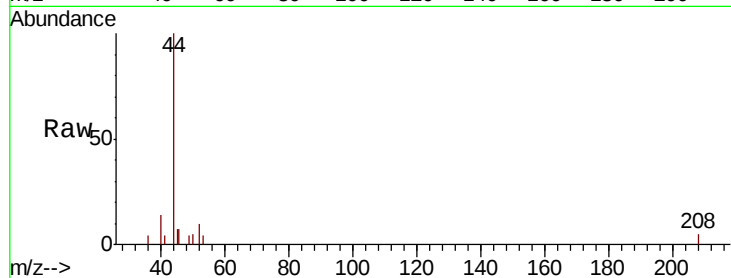
ClientSampled :

Tot Ion: 50 Resp: 86

Ion Ratio Lower Upper

50 100

52 176.6 29.1 43.7#



#7

Trichlorofluoromethane

Concen: 3.433 ug/l

RT: 1.67 min Scan# 116

Delta R.T. 0.14 min

Lab File: VF059732.D

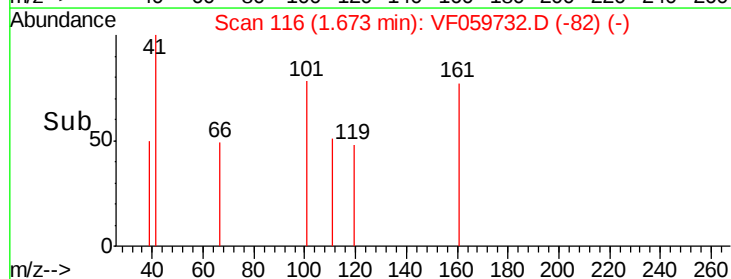
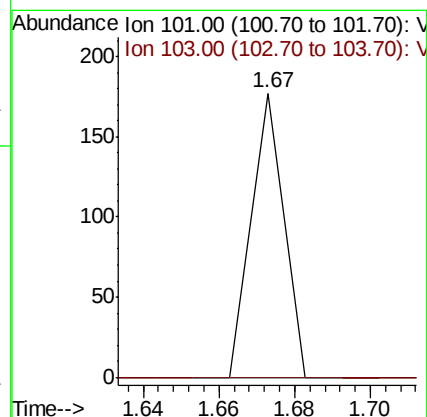
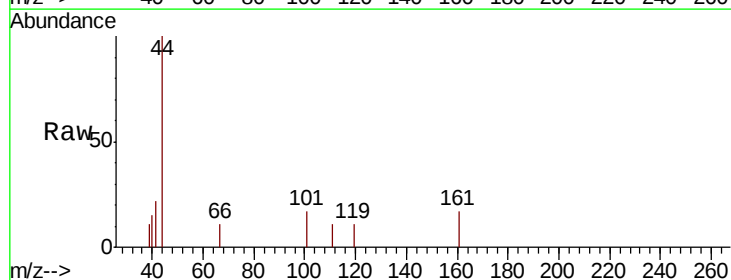
Acq: 1 Aug 2018 3:40

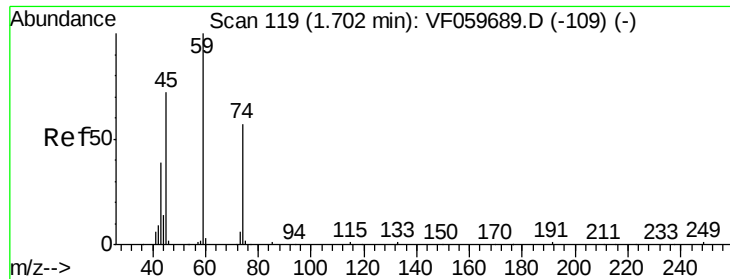
Tgt Ion: 101 Resp: 105

Ion Ratio Lower Upper

101 100

103 0.0 50.8 76.2#





#8

Diethyl Ether

Concen: 11.280 ug/l

RT: 1.83 min Scan# 132

Delta R.T. 0.13 min

Lab File: VF059732.D

Acq: 1 Aug 2018 3:40

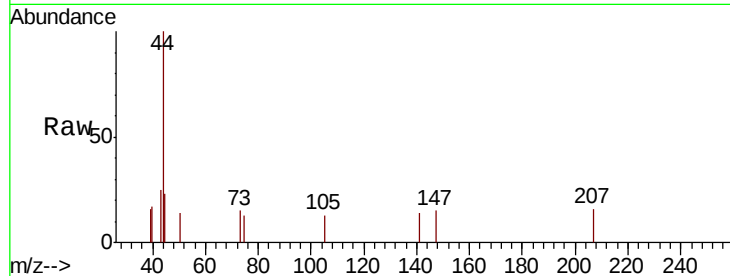
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 74 Resp: 59

Ion Ratio Lower Upper

74 100

45 0.0 62.7 188.2#



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.83

100

80

60

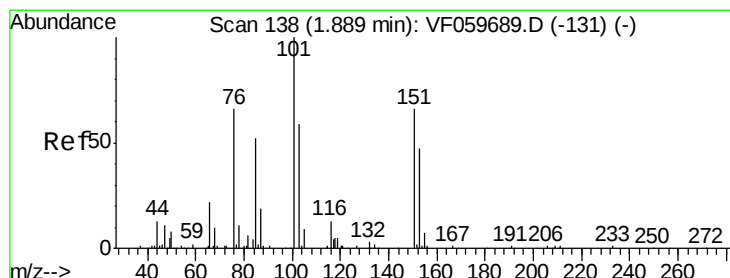
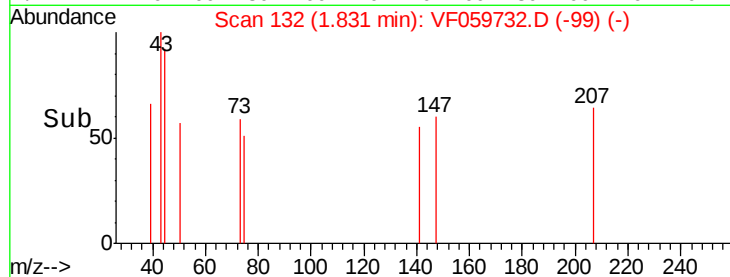
40

20

0

1.80 1.82 1.84 1.86

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.681 ug/l

RT: 1.82 min Scan# 131

Delta R.T. -0.07 min

Lab File: VF059732.D

Acq: 1 Aug 2018 3:40

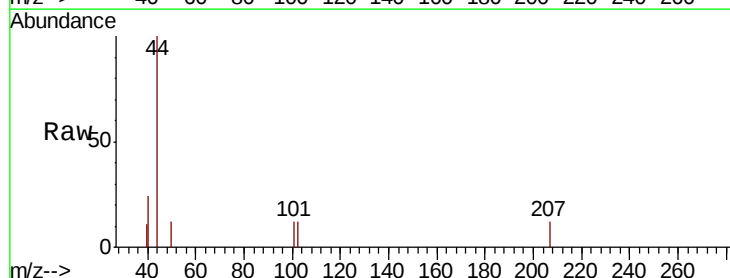
Tgt Ion:101 Resp: 75

Ion Ratio Lower Upper

101 100

85 0.0 40.7 61.1#

151 0.0 51.4 77.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V

1.82

150

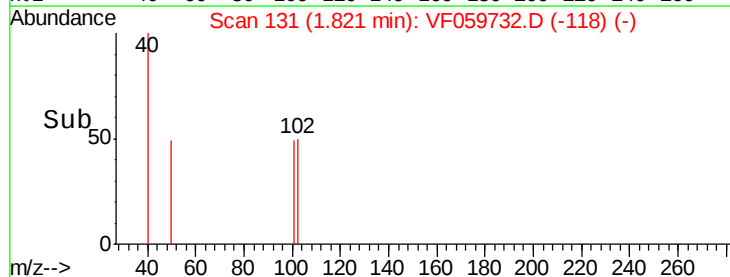
100

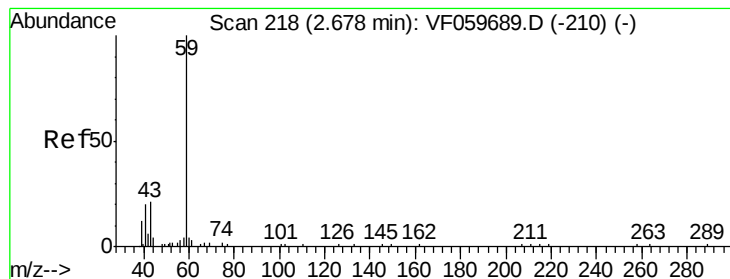
50

0

1.80 1.82 1.84

Time-->



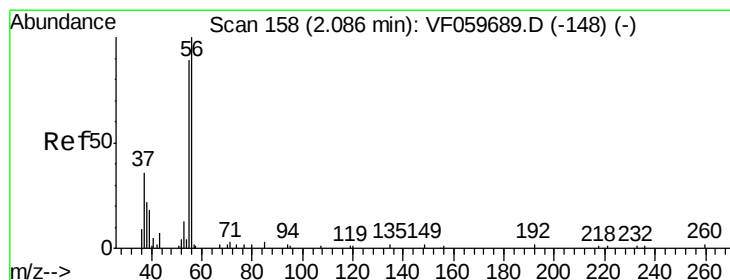
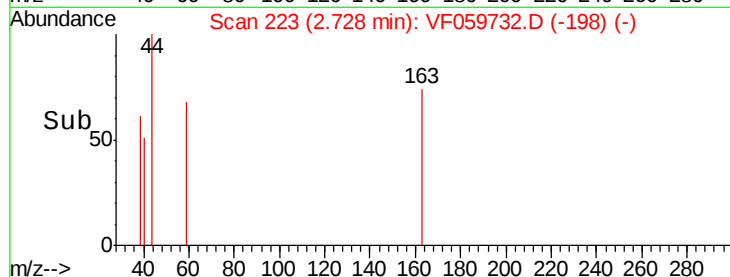
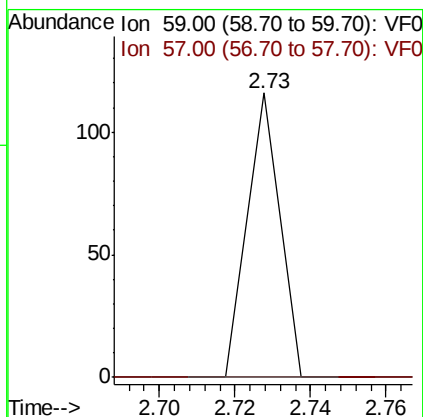
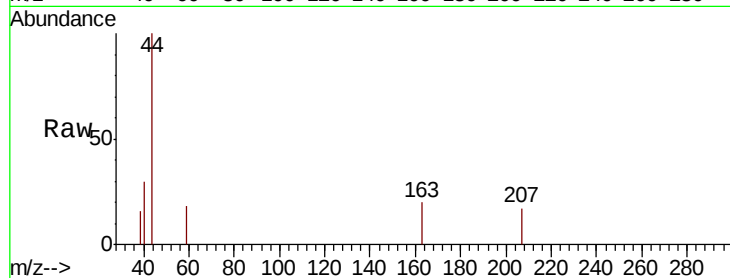


#11

Tert butyl alcohol
 Concen: 57.005 ug/l
 RT: 2.73 min Scan# 223
 Delta R.T. 0.05 min
 Lab File: VF059732.D
 Acq: 1 Aug 2018 3:40

Instrument :
 MSVOA_F
 ClientSampled :

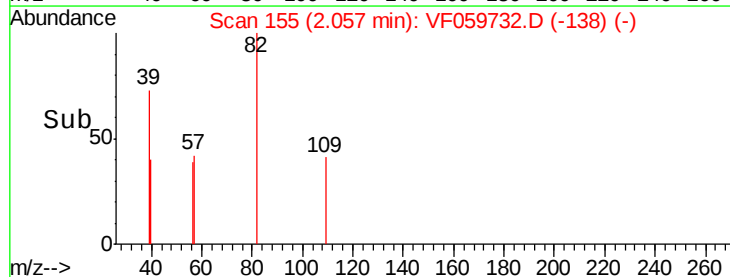
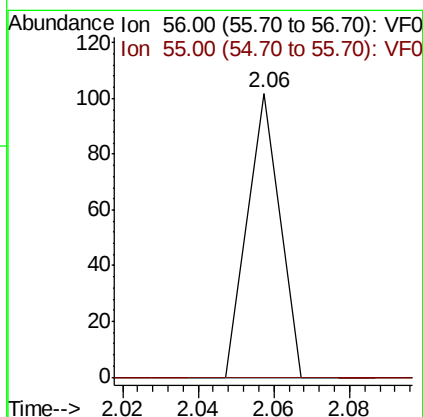
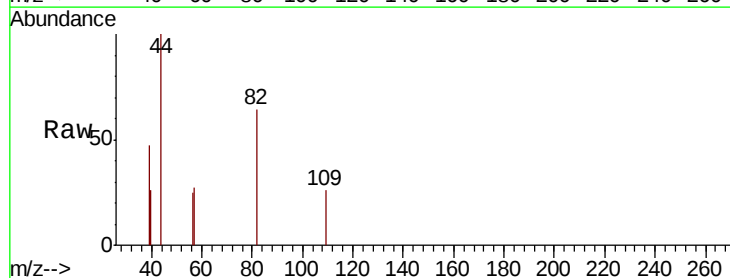
Tot Ion: 59 Resp: 69
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

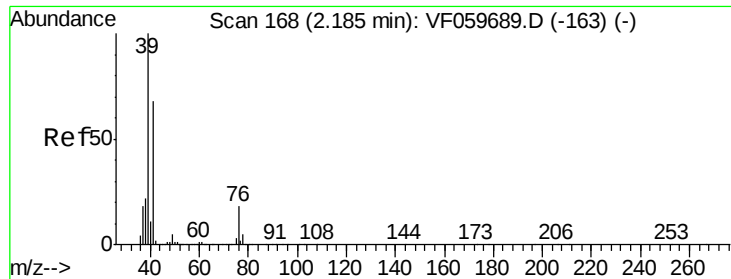


#13

Acrolein
 Concen: 106.370 ug/l
 RT: 2.06 min Scan# 155
 Delta R.T. -0.03 min
 Lab File: VF059732.D
 Acq: 1 Aug 2018 3:40

Tgt Ion: 56 Resp: 60
 Ion Ratio Lower Upper
 56 100
 55 0.0 73.2 109.8#

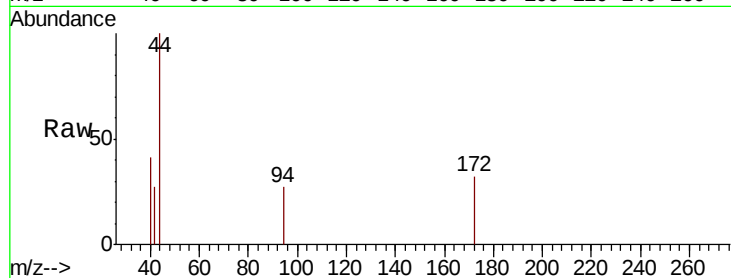




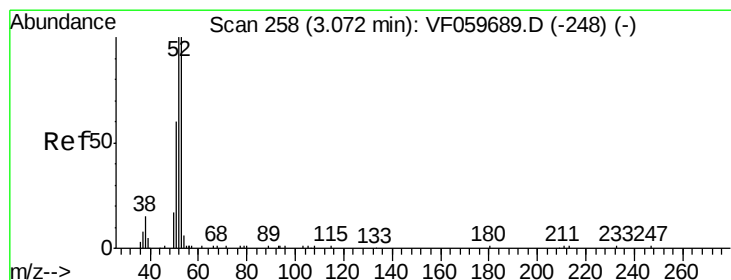
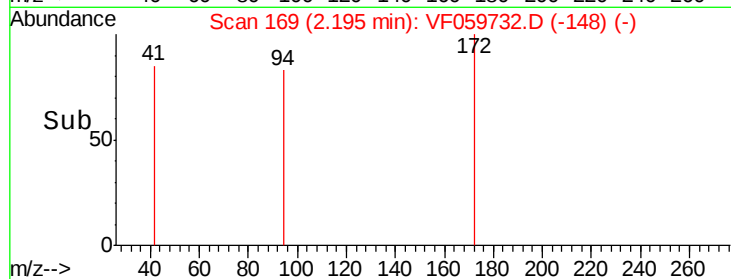
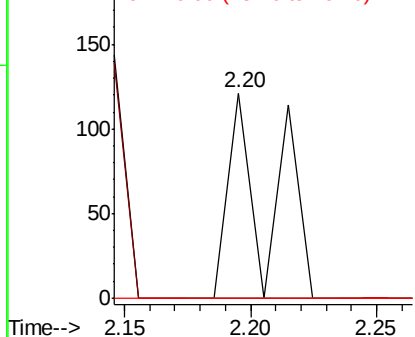
#14
Allvl chloride
Concen: 6.863 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.01 min
Lab File: VF059732.D
Acq: 1 Aug 2018 3:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	118.1	177.1#
76	0.0	22.0	33.0#

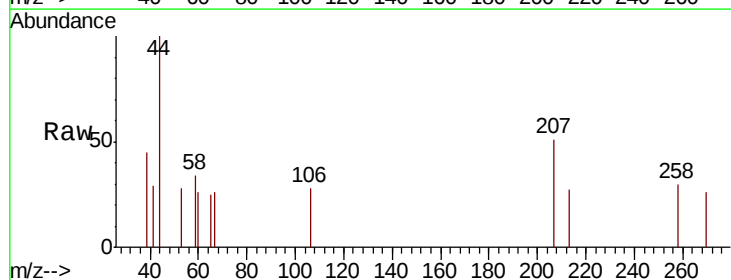


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 76.00 (75.70 to 76.70): VF0

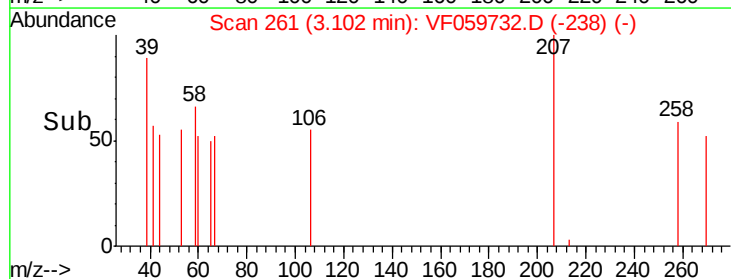
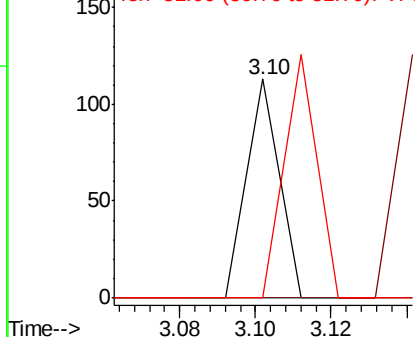


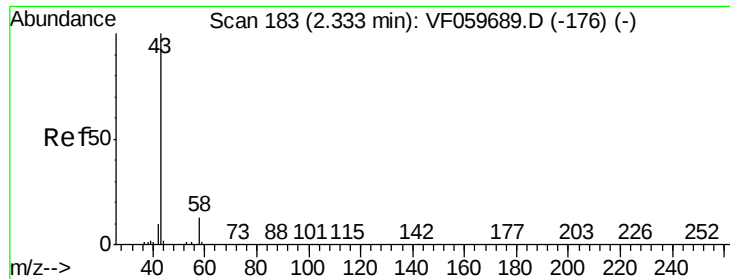
#15
Acrylonitrile
Concen: 35.279 ug/l
RT: 3.10 min Scan# 261
Delta R.T. 0.03 min
Lab File: VF059732.D
Acq: 1 Aug 2018 3:40

Tgt 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: 12.653 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059732.D

Acq: 1 Aug 2018 3:40

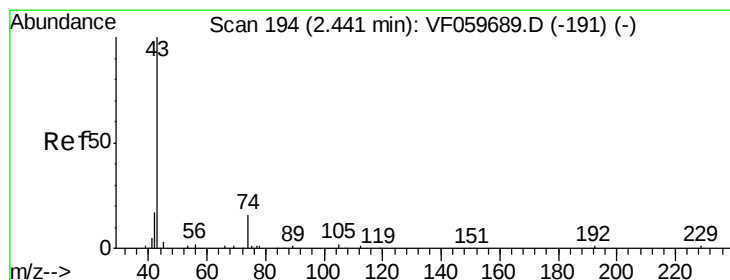
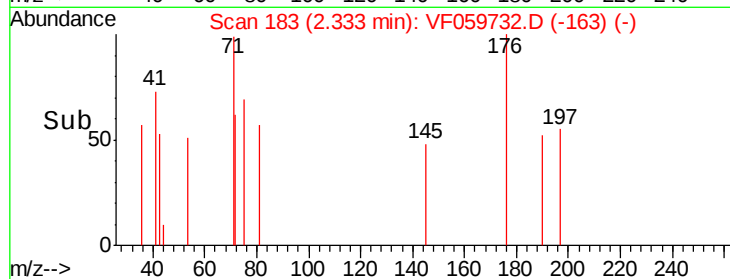
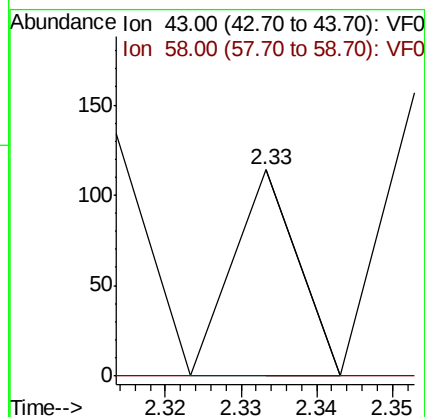
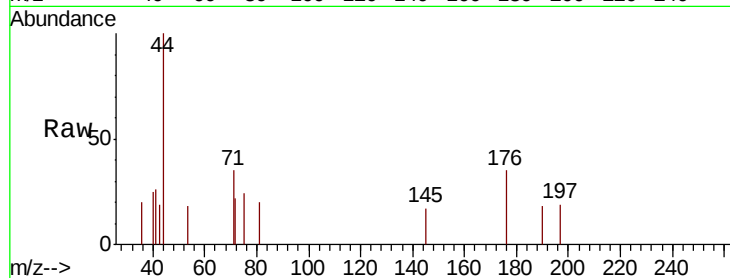
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 67

Ion Ratio Lower Upper

43 100

58 0.0 10.1 15.1#



#18

Methyl Acetate

Concen: 2.593 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.03 min

Lab File: VF059732.D

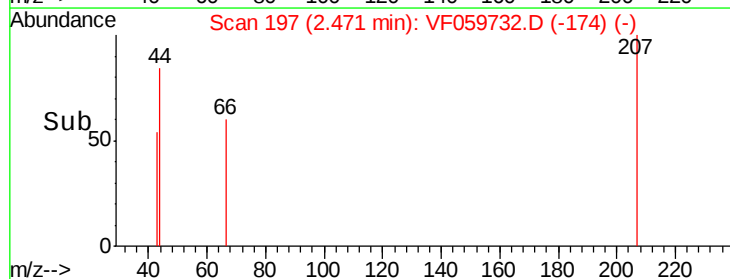
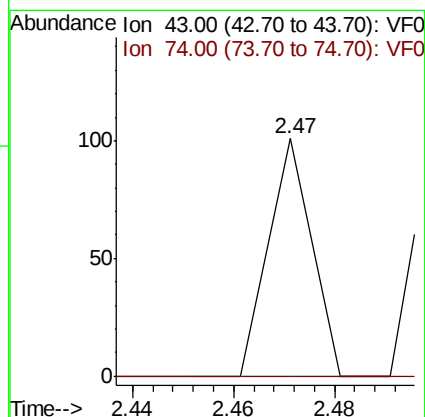
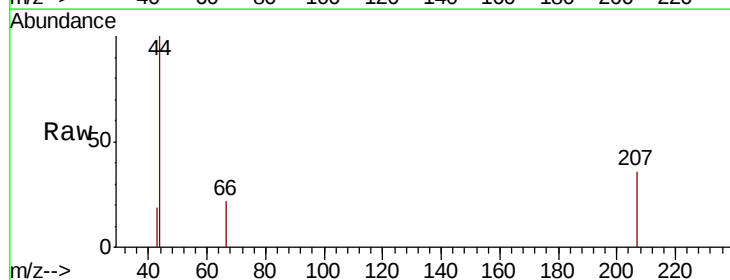
Acq: 1 Aug 2018 3:40

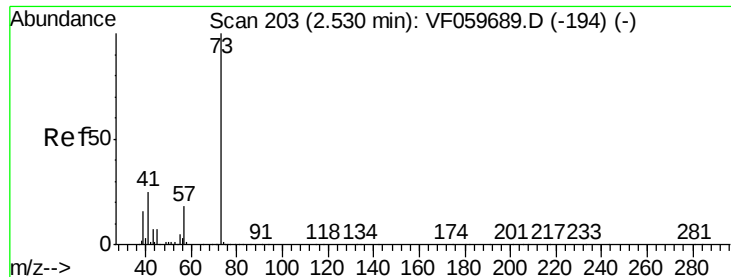
Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

74 0.0 11.8 17.6#



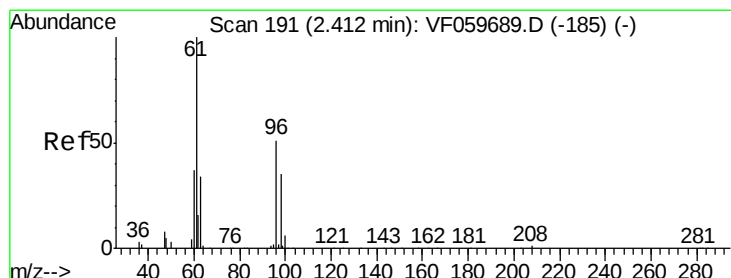
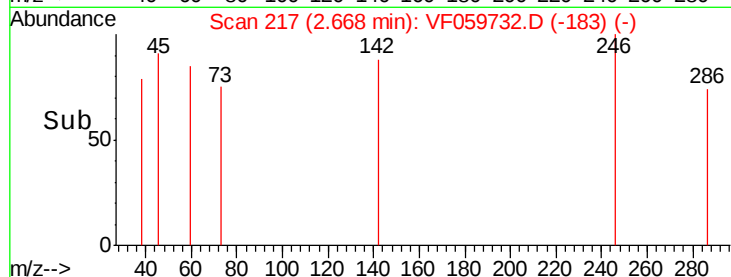
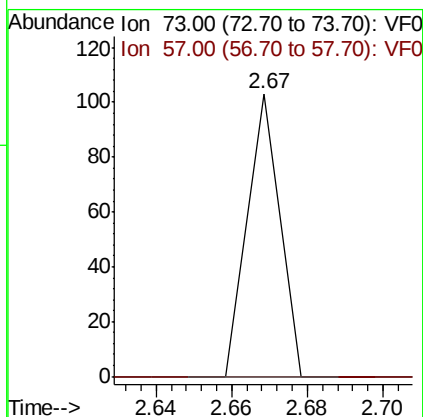
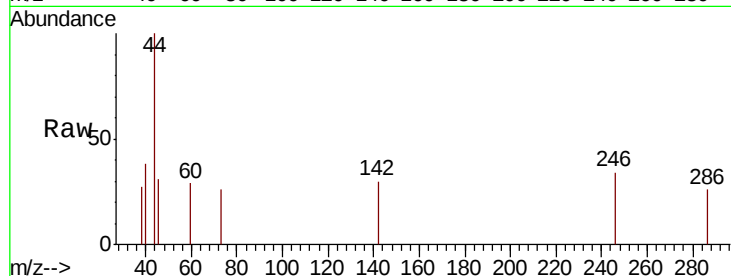


#19

Methvl tert-butvl Ether
 Concen: 1.577 ug/l
 RT: 2.67 min Scan# 217
 Delta R.T. 0.14 min
 Lab File: VF059732.D
 Acq: 1 Aug 2018 3:40

Instrument :
 MSVOA_F
 ClientSampled :

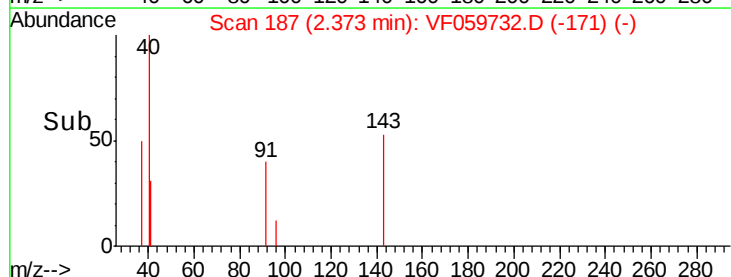
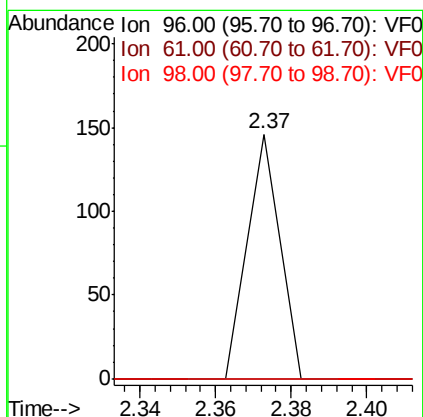
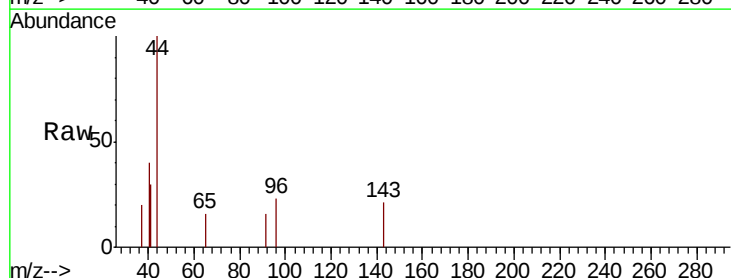
Tot Ion: 73 Resp: 61
 Ion Ratio Lower Upper
 73 100
 57 0.0 14.2 21.2#

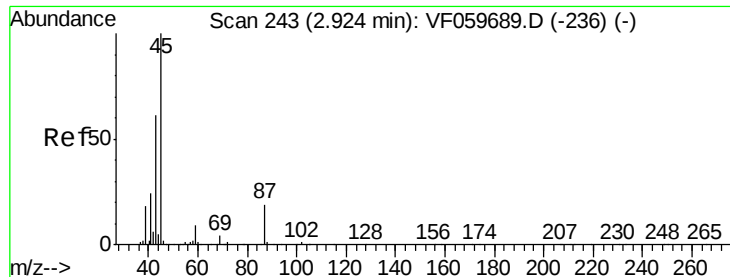


#21

trans-1,2-Dichloroethene
 Concen: 5.476 ug/l
 RT: 2.37 min Scan# 187
 Delta R.T. -0.04 min
 Lab File: VF059732.D
 Acq: 1 Aug 2018 3:40

Tgt Ion: 96 Resp: 86
 Ion Ratio Lower Upper
 96 100
 61 0.0 157.4 236.0#
 98 0.0 55.0 82.4#





#22

Diisopropyl ether

Concen: 1.424 ug/l

RT: 2.84 min Scan# 234

Delta R.T. -0.09 min

Lab File: VF059732.D

Acq: 1 Aug 2018 3:40

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 45 Resp: 61

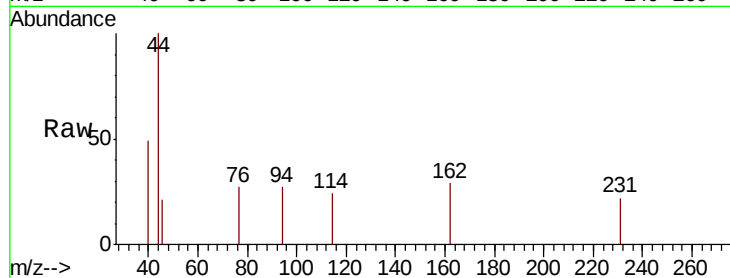
Ion Ratio Lower Upper

45 100

43 0.0 49.3 73.9#

87 0.0 15.3 22.9#

59 0.0 7.1 10.7#

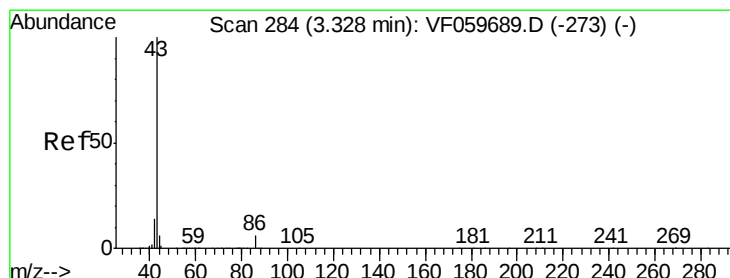
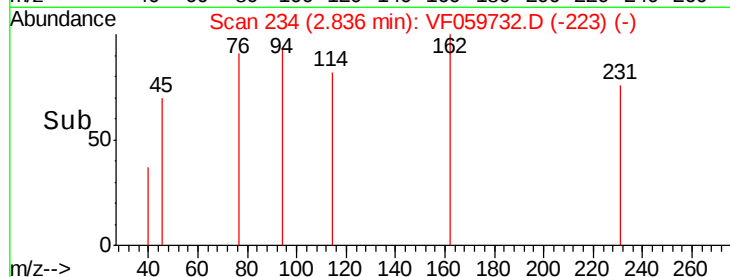
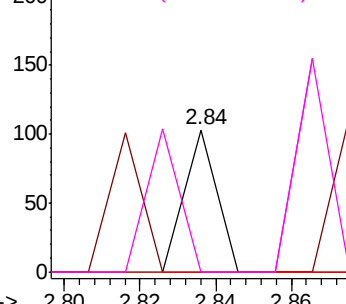


Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0



#23

Vinyl Acetate

Concen: 15.123 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.02 min

Lab File: VF059732.D

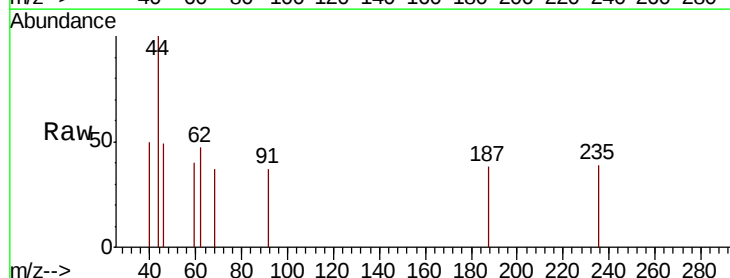
Acq: 1 Aug 2018 3:40

Tgt Ion: 43 Resp: 333

Ion Ratio Lower Upper

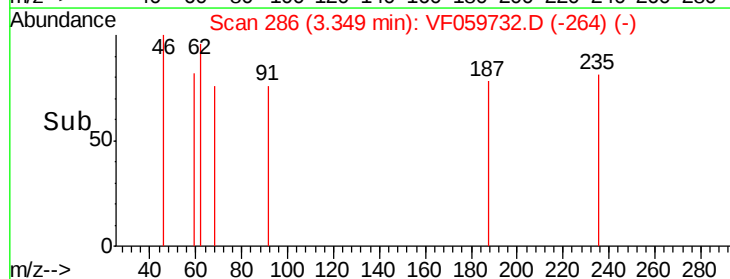
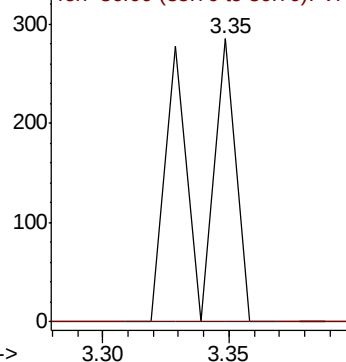
43 100

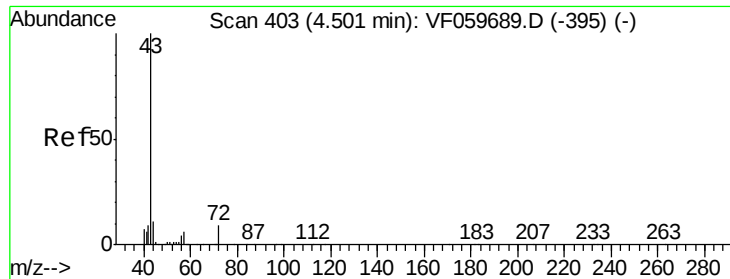
86 0.0 4.6 6.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#25

2-Butanone

Concen: 12.861 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059732.D

Acq: 1 Aug 2018 3:40

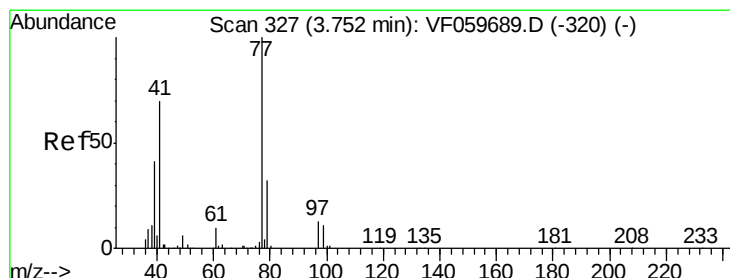
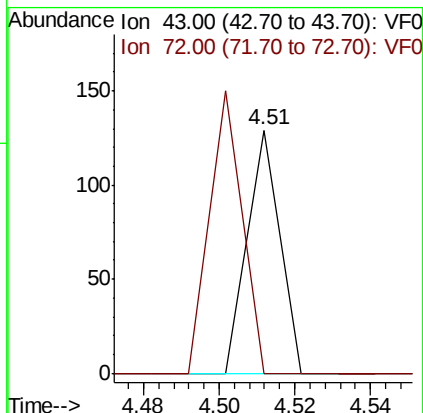
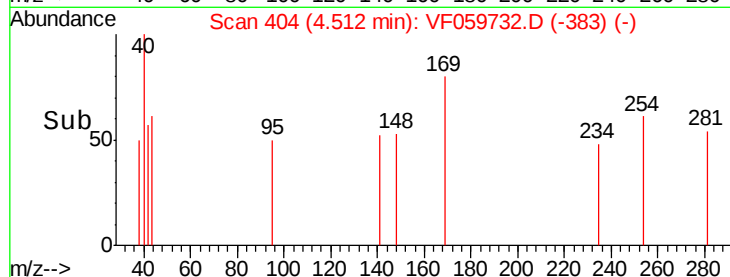
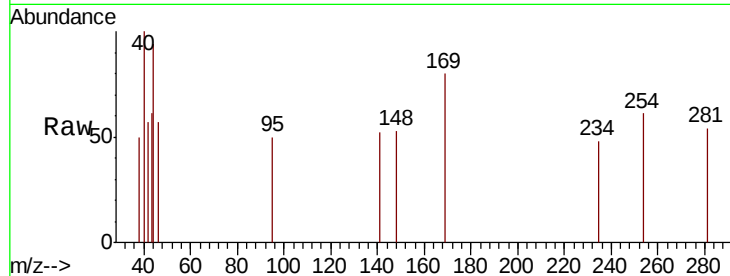
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 76

Ion Ratio Lower Upper

43 100

72 0.0 7.7 11.5#



#26

2,2-Dichloropropane

Concen: 6.176 ug/l

RT: 3.61 min Scan# 313

Delta R.T. -0.14 min

Lab File: VF059732.D

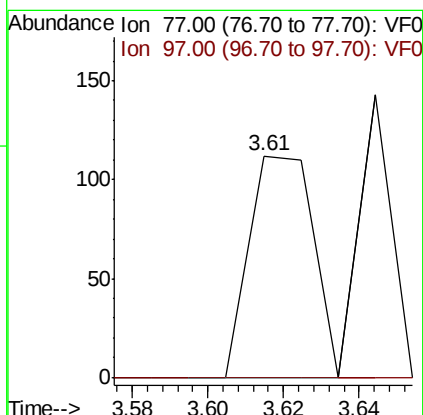
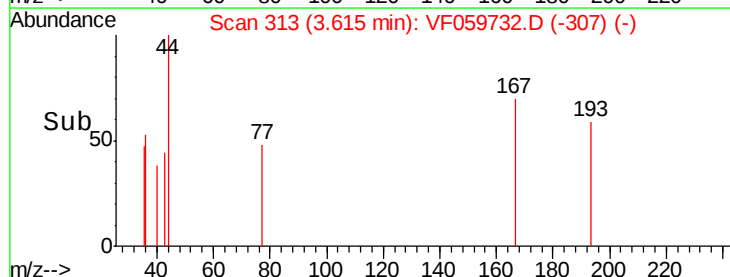
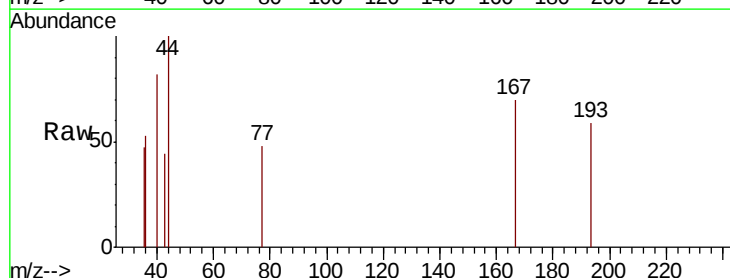
Acq: 1 Aug 2018 3:40

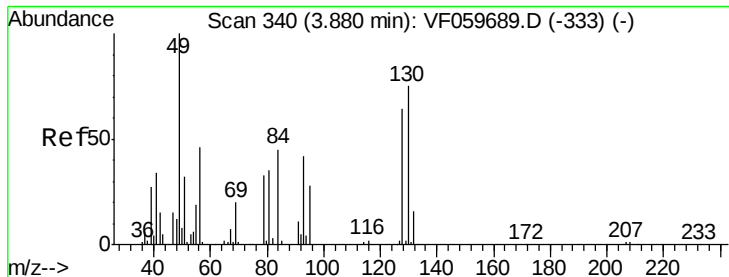
Tgt Ion: 77 Resp: 131

Ion Ratio Lower Upper

77 100

97 0.0 6.8 20.4#





#28

Bromochloromethane

Concen: 11.426 ug/l

RT: 3.90 min Scan# 342

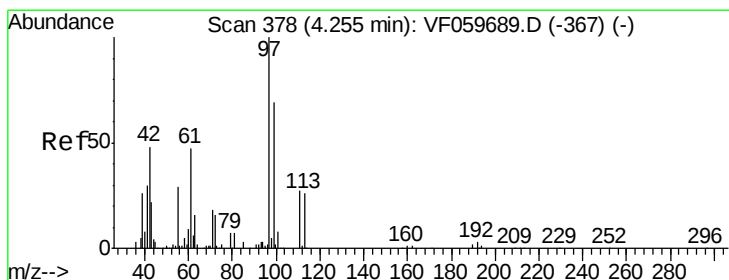
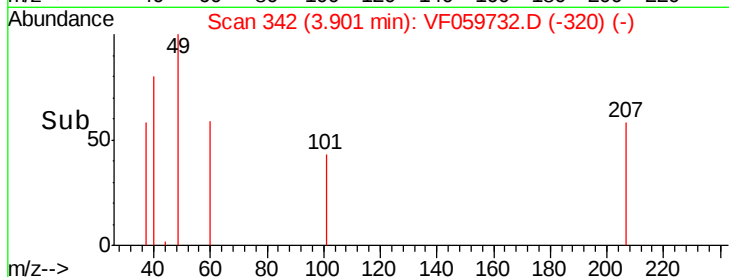
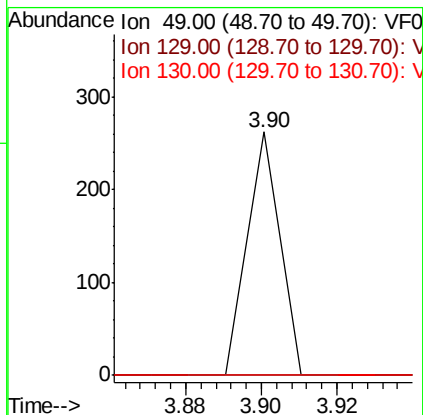
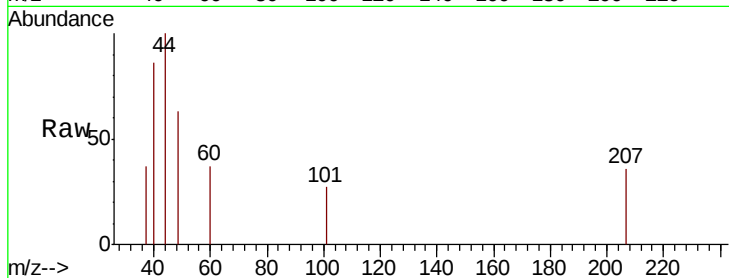
Delta R.T. 0.02 min

Lab File: VF059732.D

Acq: 1 Aug 2018 3:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	49	Resp:	155
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	0.0	59.6	89.4#



#29

Tetrahydrofuran

Concen: 103.470 ug/l

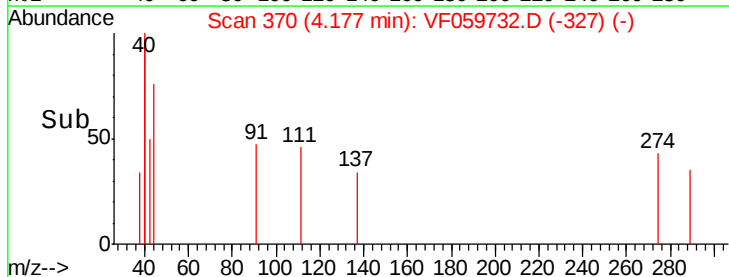
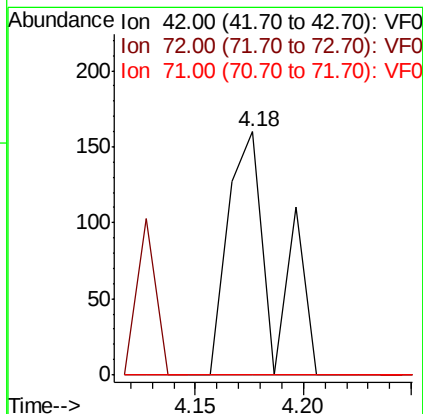
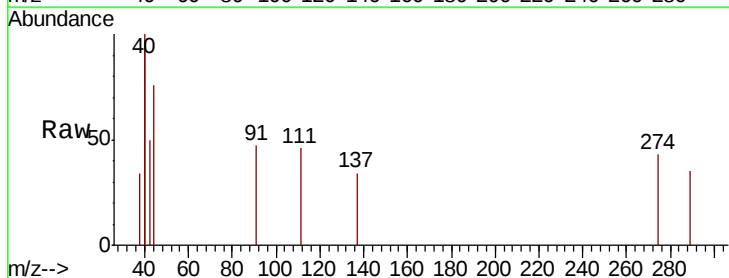
RT: 4.18 min Scan# 370

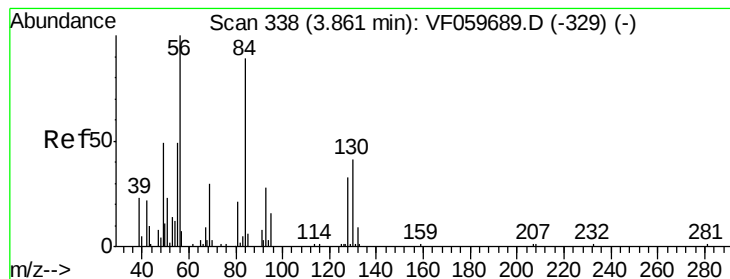
Delta R.T. -0.08 min

Lab File: VF059732.D

Acq: 1 Aug 2018 3:40

Tgt Ion:	42	Resp:	235
Ion	Ratio	Lower	Upper
42	100		
72	0.0	27.0	40.6#
71	0.0	29.7	44.5#





#31

Cyclohexane

Concen: 6.163 ug/l

RT: 3.93 min Scan# 345

Delta R.T. 0.07 min

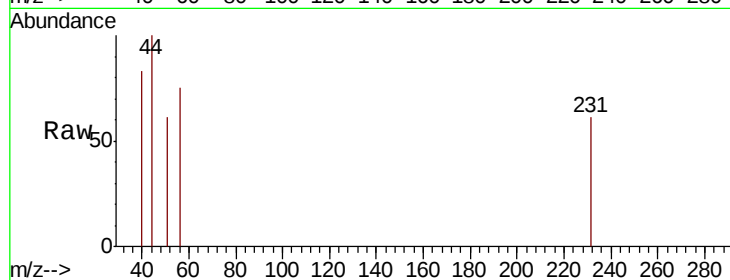
Lab File: VF059732.D

Acq: 1 Aug 2018 3:40

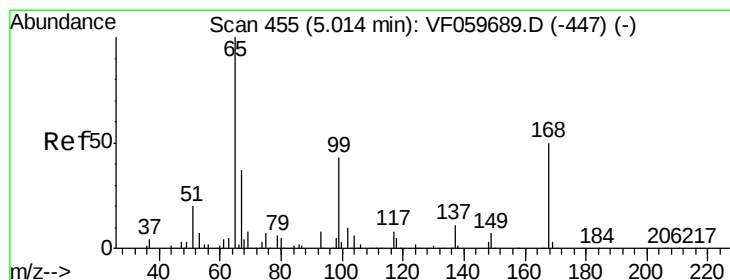
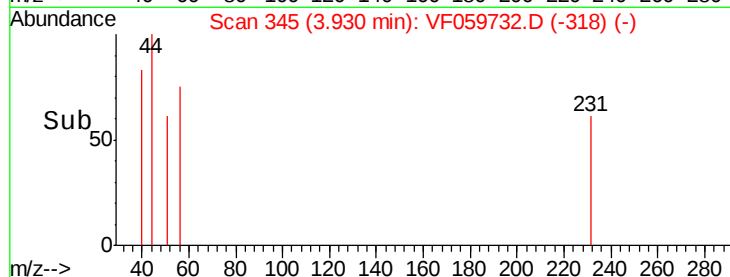
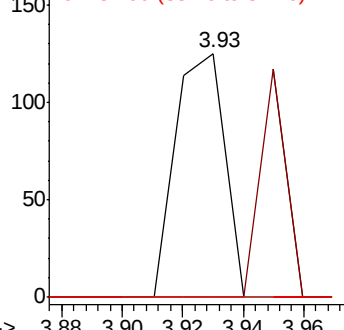
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 141

Ion	Ratio	Lower	Upper
56	100		
69	0.0	23.7	35.5#
84	0.0	71.1	106.7#



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 2.718 ug/l

RT: 4.97 min Scan# 451

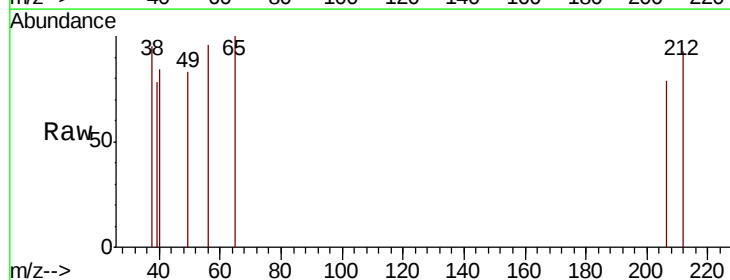
Delta R.T. -0.04 min

Lab File: VF059732.D

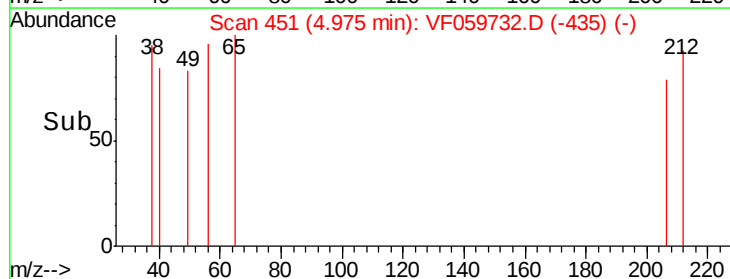
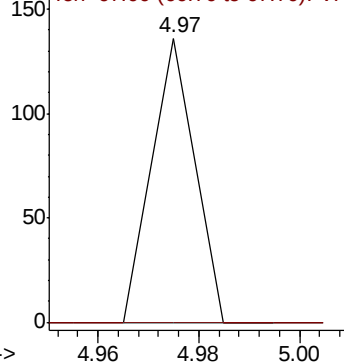
Acq: 1 Aug 2018 3:40

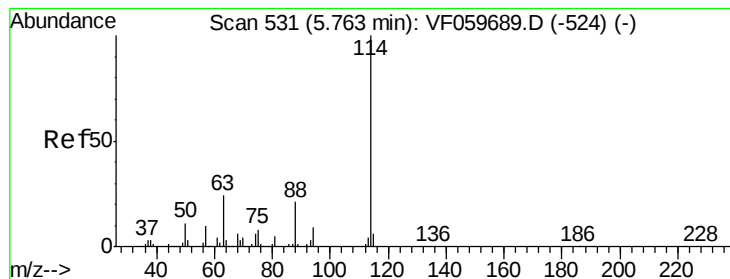
Tgt Ion: 65 Resp: 80

Ion	Ratio	Lower	Upper
65	100		
67	0.0	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: 5.82 min Scan# 537

Delta R.T. 0.06 min

Lab File: VF059732.D

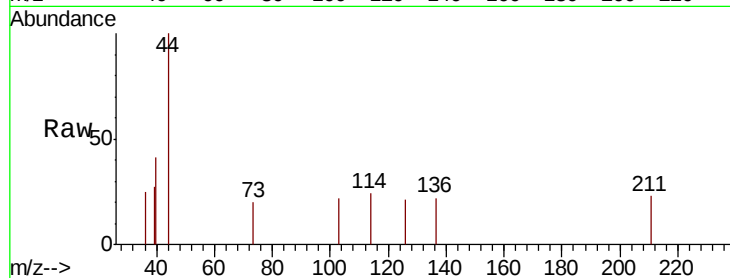
Acq: 1 Aug 2018 3:40

Instrument :

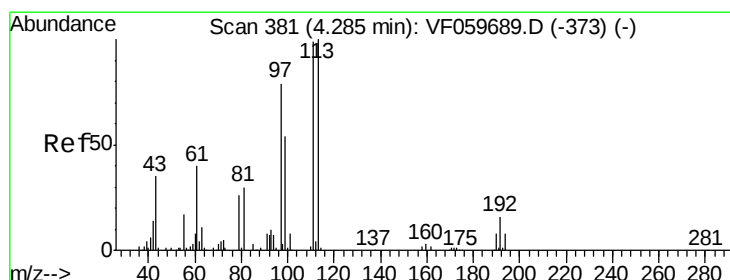
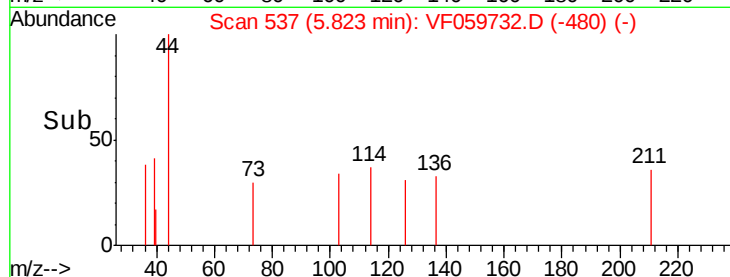
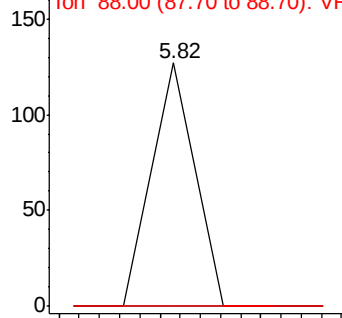
MSVOA_F

ClientSampleId :

Tot Ion:	114	Resp:	75
Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	47.4
88	0.0	0.0	41.2



Abundance Ion 114.00 (113.70 to 114.70): V



#35

Dibromofluoromethane

Concen: 93.711 ug/l

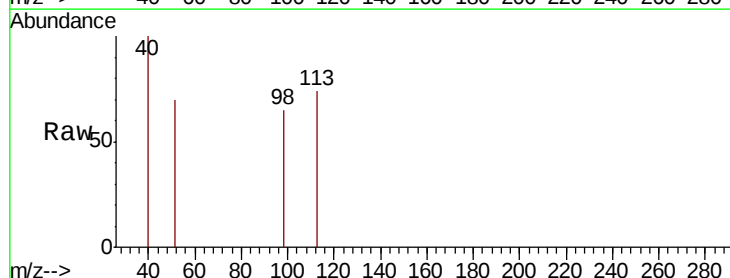
RT: 4.31 min Scan# 384

Delta R.T. 0.03 min

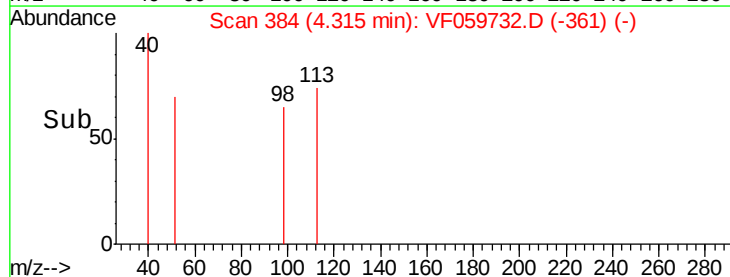
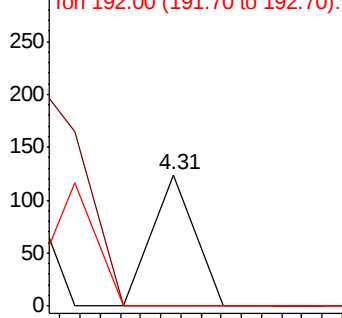
Lab File: VF059732.D

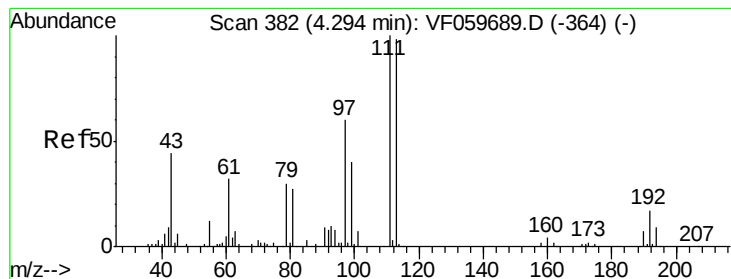
Acq: 1 Aug 2018 3:40

Tgt Ion:	113	Resp:	73
Ion	Ratio	Lower	Upper
113	100		
111	0.0	79.0	118.4#
192	0.0	13.2	19.8#



Abundance Ion 113.00 (112.70 to 113.70): V





#37

Ethyl Acetate

Concen: 610.365 ug/l

RT: 4.44 min Scan# 397

Delta R.T. 0.15 min

Lab File: VF059732.D

Acq: 1 Aug 2018 3:40

Instrument :
MSVOA_F
ClientSampleId :

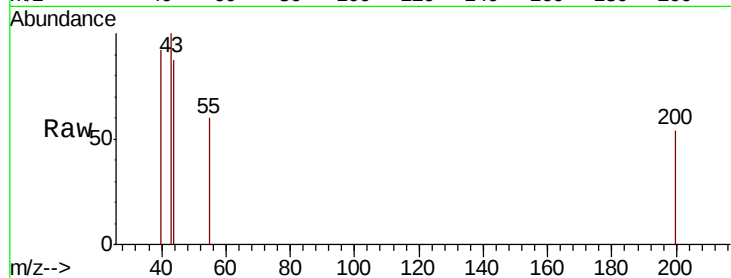
Tot Ion: 43 Resp: 209

Ion Ratio Lower Upper

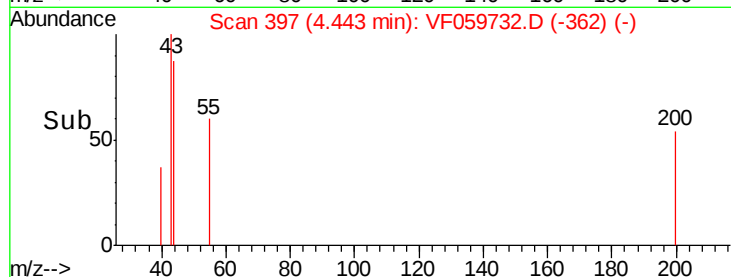
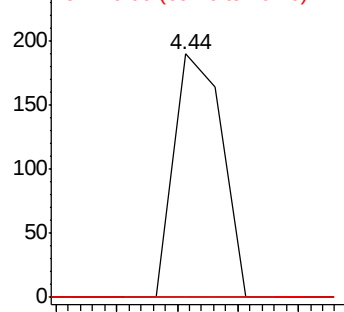
43 100

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



#38

Carbon Tetrachloride

Concen: 63.734 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.09 min

Lab File: VF059732.D

Acq: 1 Aug 2018 3:40

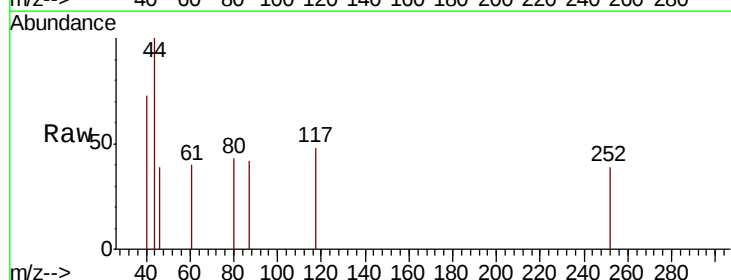
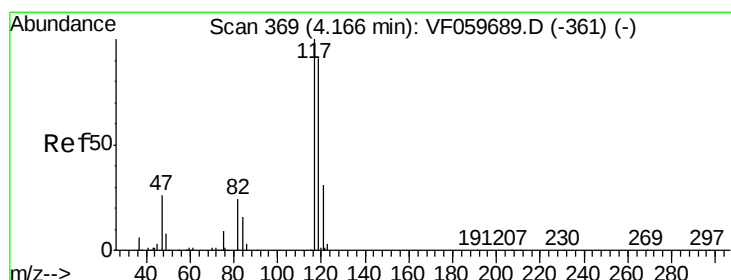
Tgt Ion: 117 Resp: 76

Ion Ratio Lower Upper

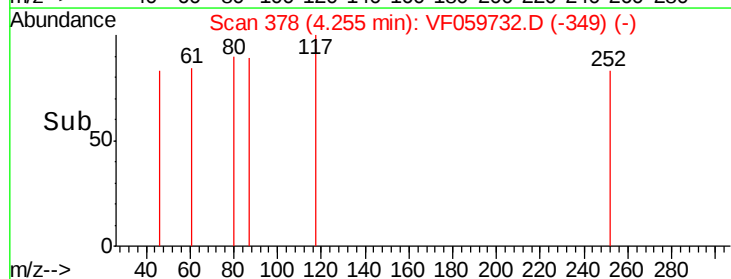
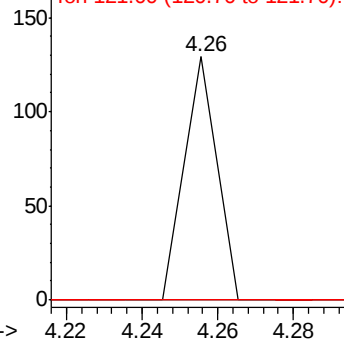
117 100

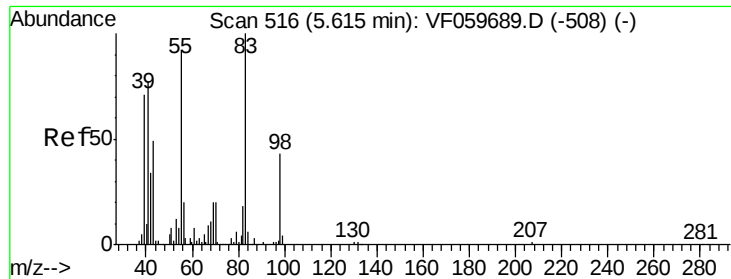
119 0.0 72.9 109.3#

121 0.0 25.0 37.4#



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

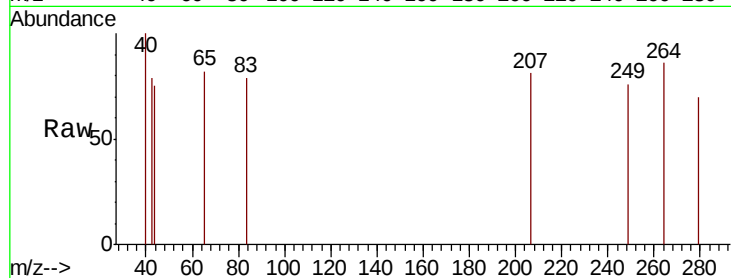




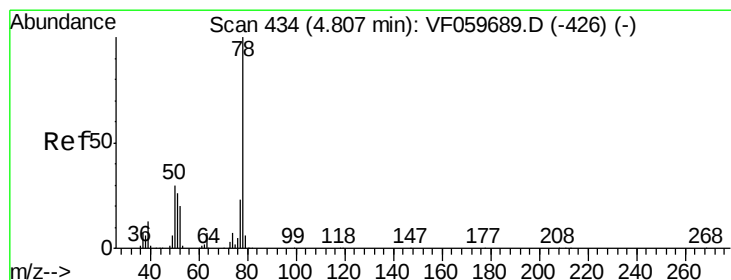
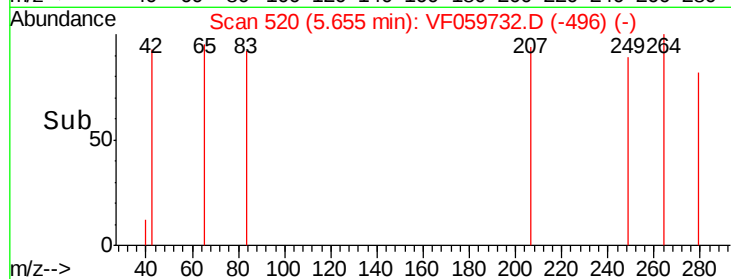
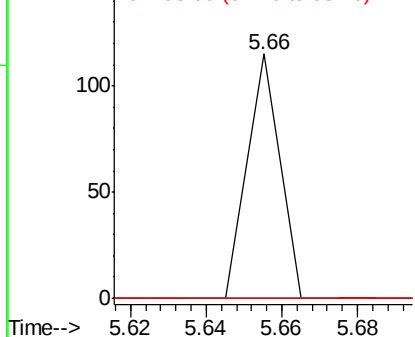
#39
Methvlcvclohexane
Concen: 123.873 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.04 min
Lab File: VF059732.D
Acq: 1 Aug 2018 3:40

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 83 Resp: 68
Ion Ratio Lower Upper
83 100
55 0.0 73.4 110.2#
98 0.0 34.2 51.4#

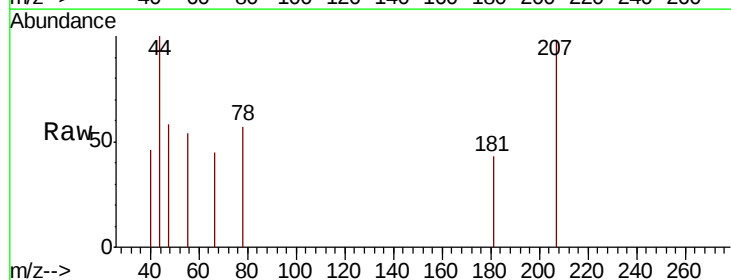


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

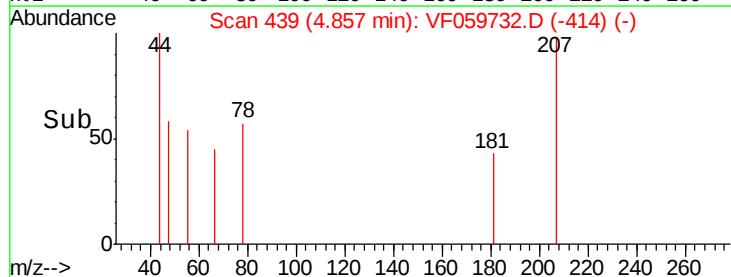
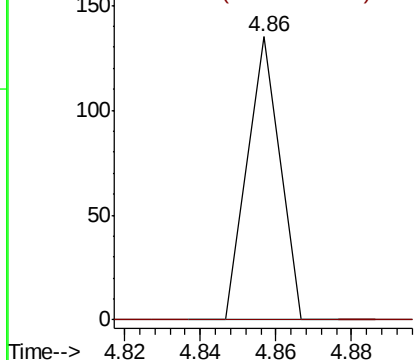


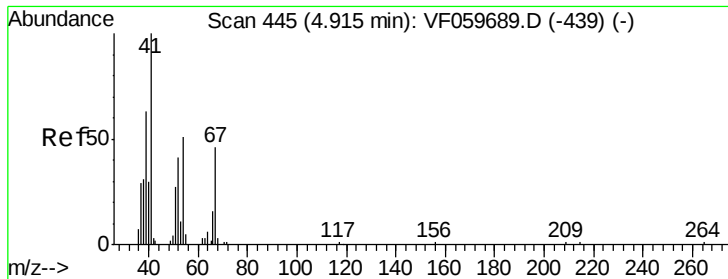
#40
Benzene
Concen: 52.819 ug/l
RT: 4.86 min Scan# 439
Delta R.T. 0.05 min
Lab File: VF059732.D
Acq: 1 Aug 2018 3:40

Tgt Ion: 78 Resp: 80
Ion Ratio Lower Upper
78 100
77 0.0 18.9 28.3#



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

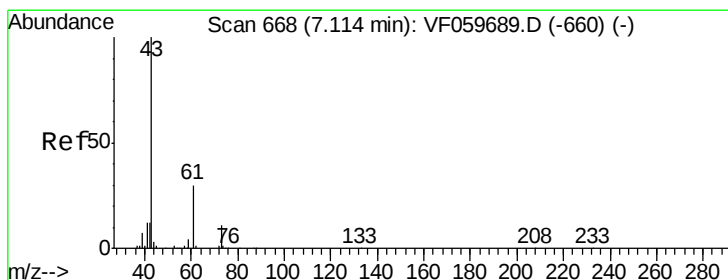
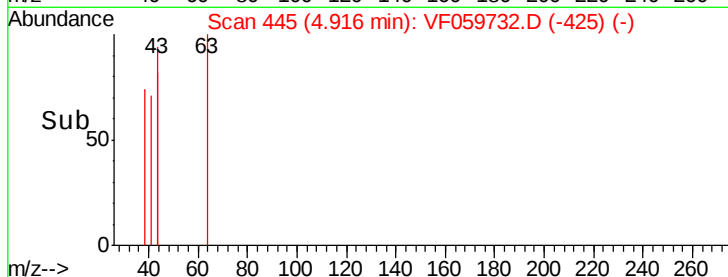
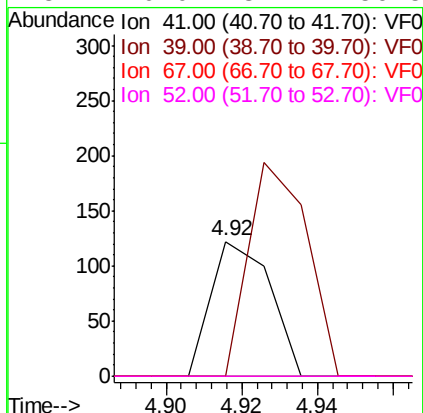
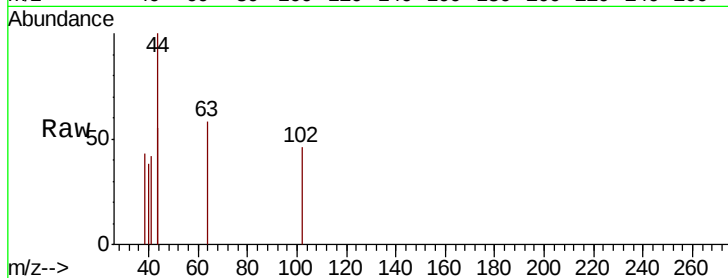




#41
Methacrylonitrile
Concen: 732.163 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059732.D
Acq: 1 Aug 2018 3:40

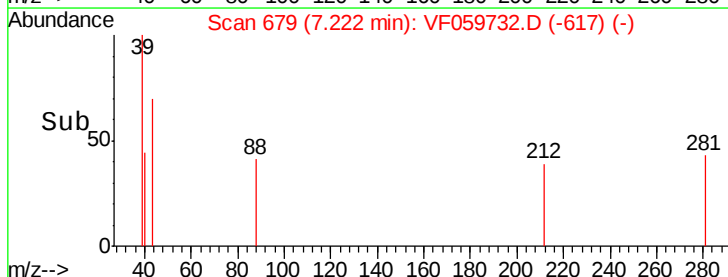
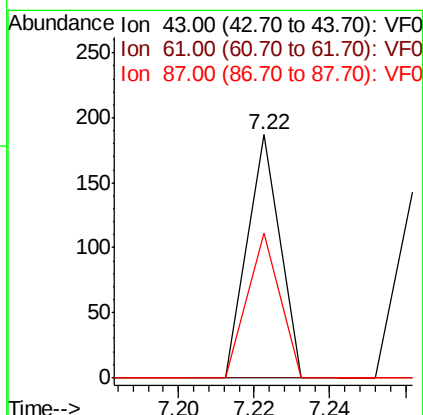
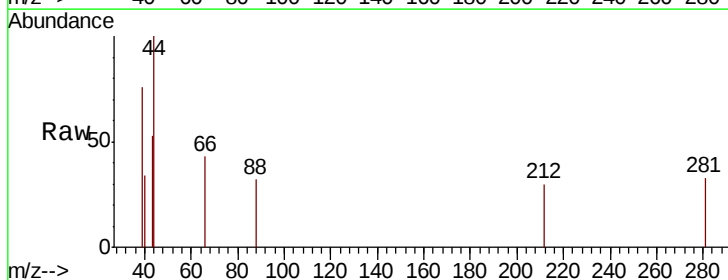
Instrument :
MSVOA_F
ClientSampleId :

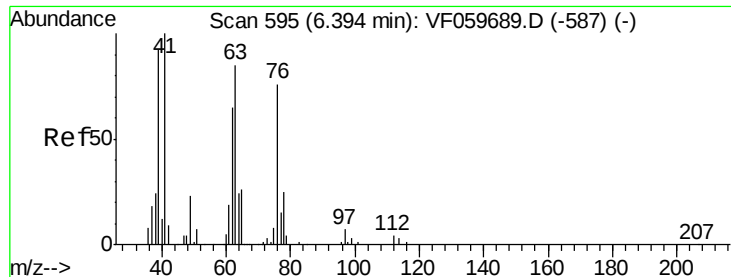
Tot Ion:	41	Resp:	131
Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.2	82.8#
67	0.0	36.2	54.2#
52	0.0	37.7	56.5#



#43
Isopropyl Acetate
Concen: 247.511 ug/l
RT: 7.22 min Scan# 679
Delta R.T. 0.11 min
Lab File: VF059732.D
Acq: 1 Aug 2018 3:40

Tgt Ion:	43	Resp:	111
Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.8	35.8#
87	59.4	0.6	1.0#





#45

1,2-Dichloropropane

Concen: 217.507 ug/l

RT: 6.43 min Scan# 599

Delta R.T. 0.04 min

Lab File: VF059732.D

Acq: 1 Aug 2018 3:40

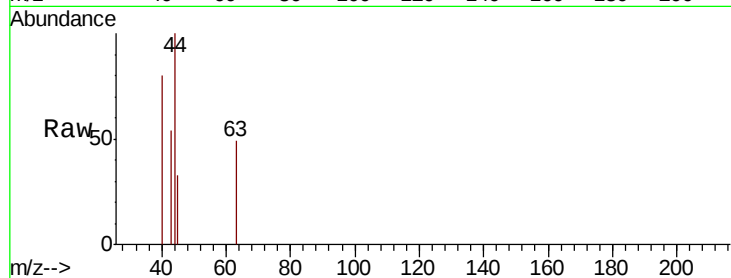
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 87

Ion Ratio Lower Upper

63 100

65 0.0 25.2 37.8#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.43

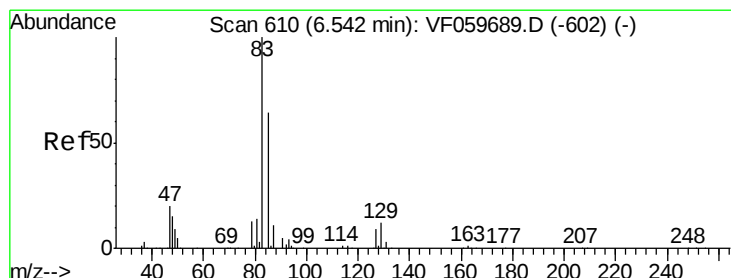
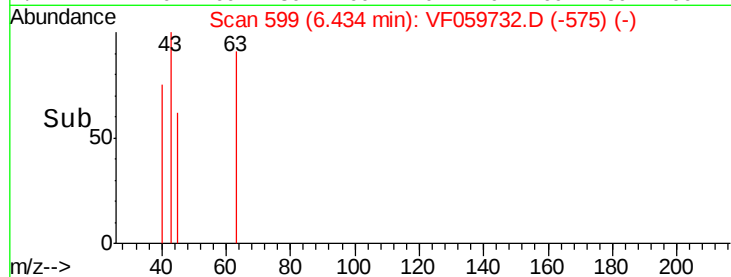
150

100

50

0

Time-->



#47

Bromodichloromethane

Concen: 62.854 ug/l

RT: 6.71 min Scan# 627

Delta R.T. 0.17 min

Lab File: VF059732.D

Acq: 1 Aug 2018 3:40

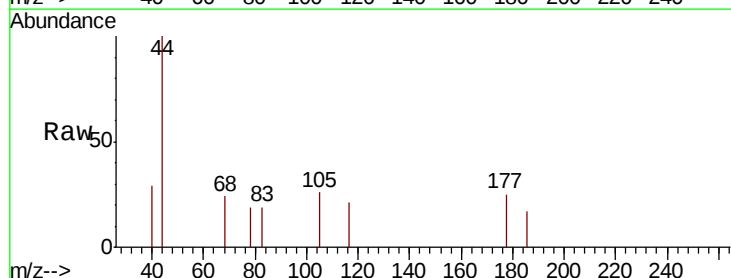
Tgt Ion: 83 Resp: 65

Ion Ratio Lower Upper

83 100

85 0.0 51.0 76.6#

127 0.0 7.3 10.9#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V

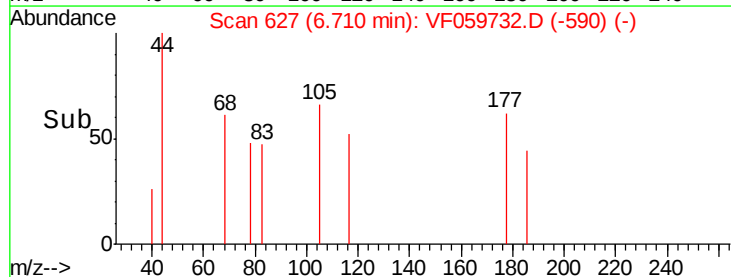
150

100

50

0

Time-->



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V

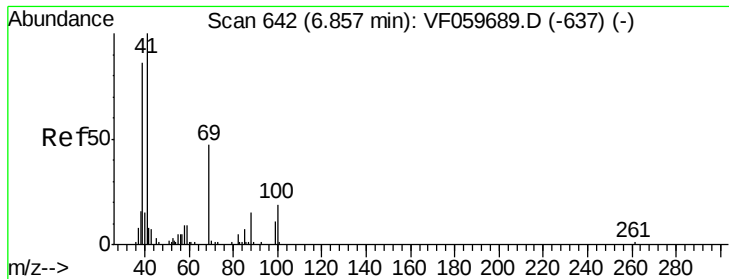
150

100

50

0

Time-->



#49

1,4-Dioxane

Concen: 12432.422 ug/l

RT: 6.79 min Scan# 635

Delta R.T. -0.07 min

Lab File: VF059732.D

Acq: 1 Aug 2018 3:40

Instrument :

MSVOA_F

ClientSampleId :

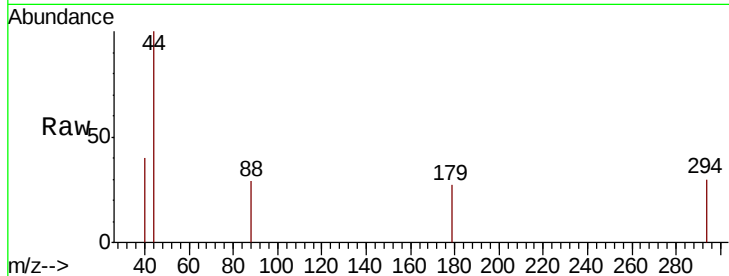
Tot Ion: 88 Resp: 70

Ion Ratio Lower Upper

88 100

43 0.0 45.2 67.8#

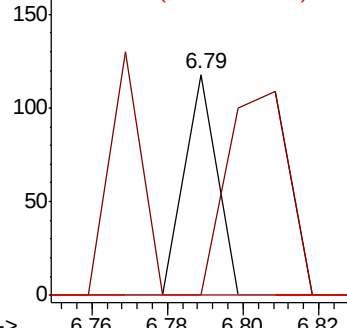
58 0.0 49.0 73.6#



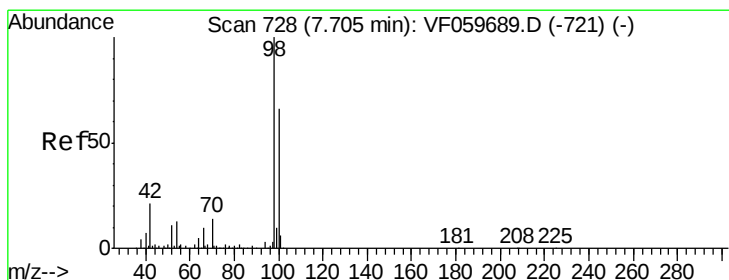
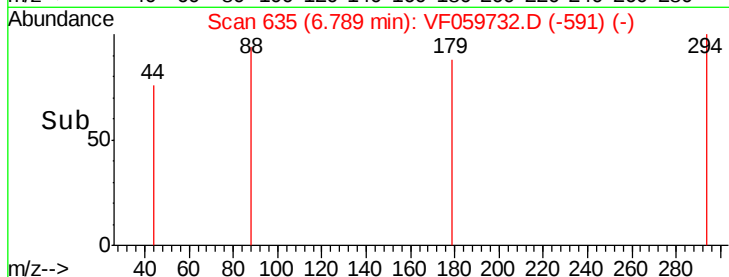
Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#50

Toluene-d8

Concen: 537.829 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059732.D

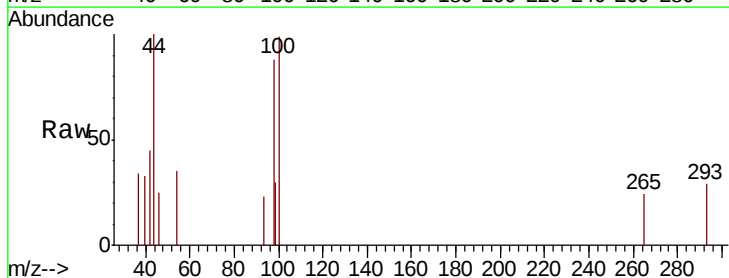
Acq: 1 Aug 2018 3:40

Tgt Ion: 98 Resp: 977

Ion Ratio Lower Upper

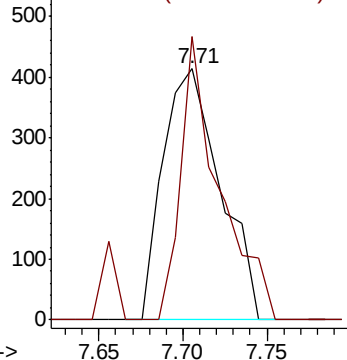
98 100

100 112.8 52.8 79.2#

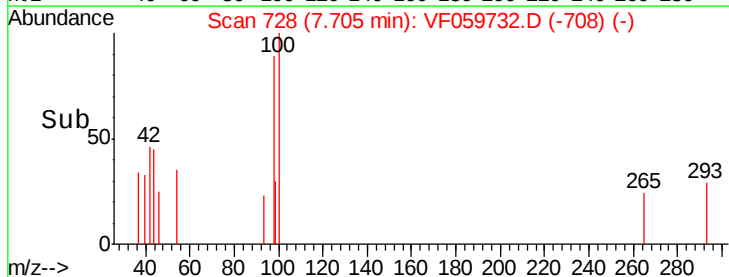


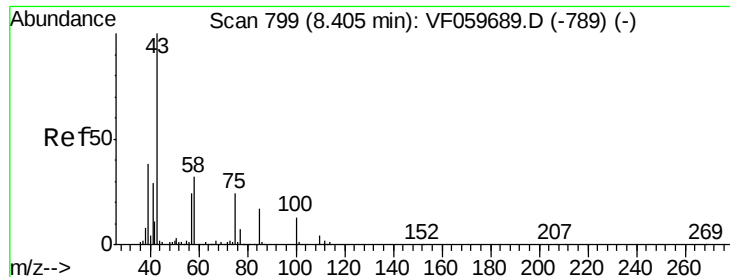
Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 222.778 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059732.D

Acq: 1 Aug 2018 3:40

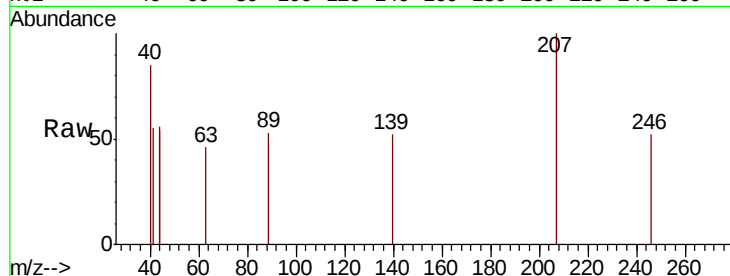
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 76

Ion Ratio Lower Upper

43 100

58 0.0 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

150

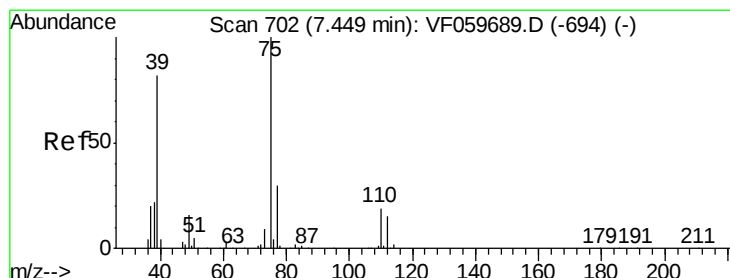
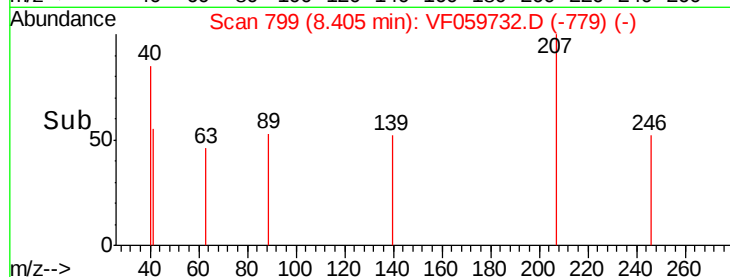
100

50

0

8.40 8.42

Time-->



#54

cis-1,3-Dichloropropene

Concen: 75.936 ug/l

RT: 7.59 min Scan# 716

Delta R.T. 0.14 min

Lab File: VF059732.D

Acq: 1 Aug 2018 3:40

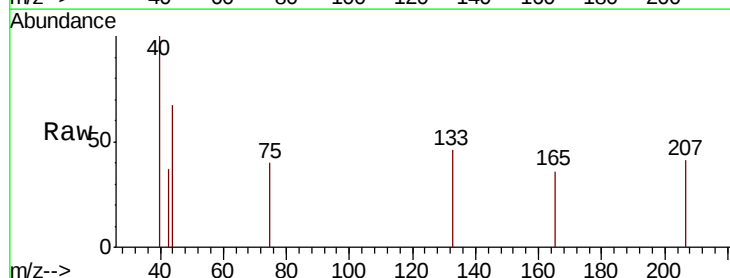
Tgt Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

77 0.0 24.0 36.0#

39 0.0 65.4 98.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

200

150

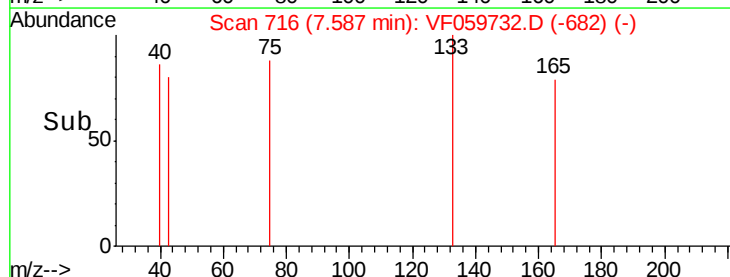
100

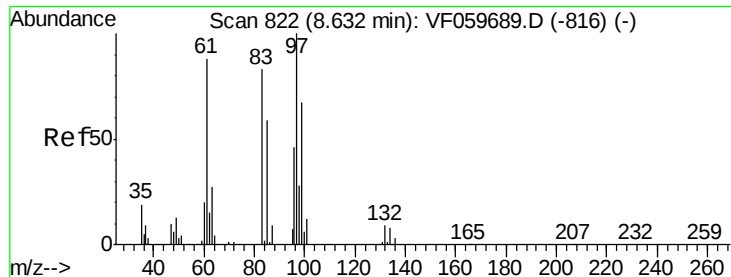
50

0

7.56 7.58 7.60 7.62

Time-->





#55

1,1,2-Trichloroethane

Concen: 575.324 ug/l

RT: 8.70 min Scan# 829

Delta R.T. 0.07 min

Lab File: VF059732.D

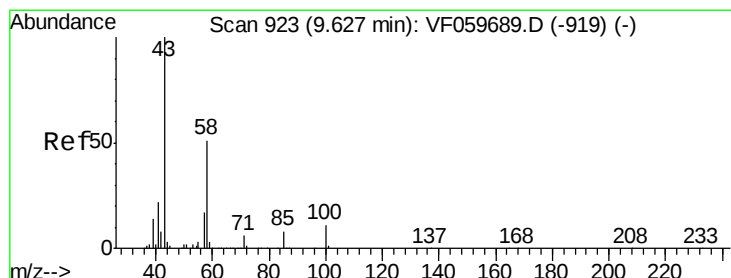
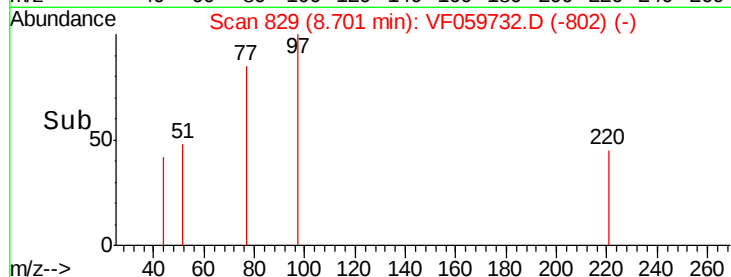
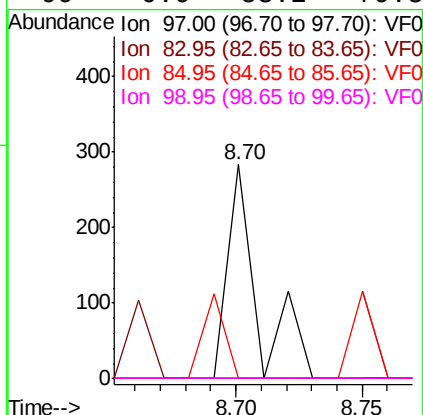
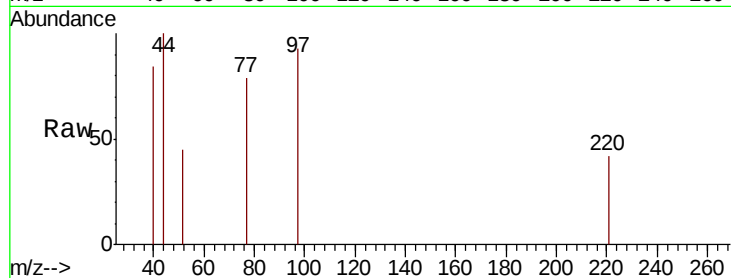
Acq: 1 Aug 2018 3:40

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	97	Resp:	236
Ion	Ratio	Lower	Upper
97	100		
83	0.0	66.6	100.0#
85	0.0	47.4	71.0#
99	0.0	53.2	79.8#



#59

2-Hexanone

Concen: 823.031 ug/l

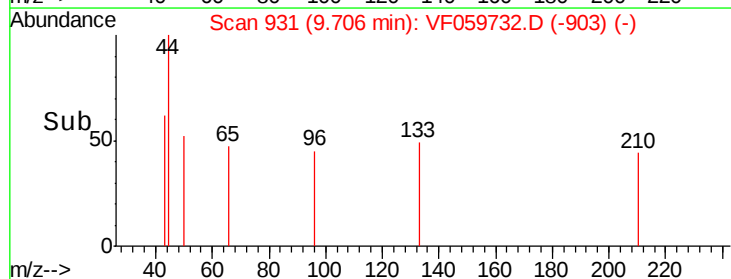
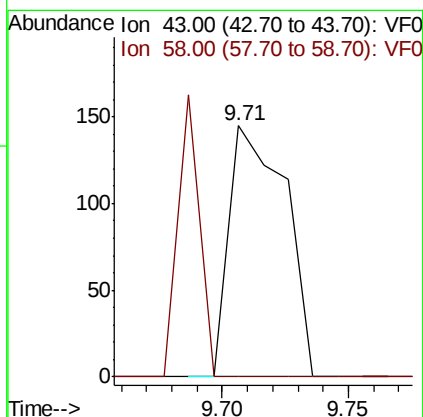
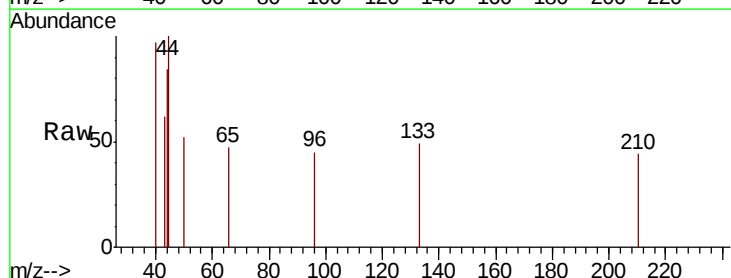
RT: 9.71 min Scan# 931

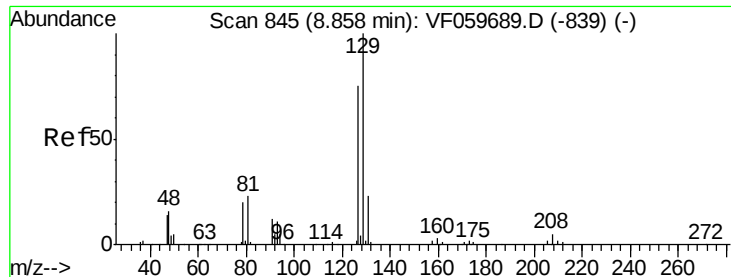
Delta R.T. 0.08 min

Lab File: VF059732.D

Acq: 1 Aug 2018 3:40

Tgt Ion:	43	Resp:	225
Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.3	69.8#

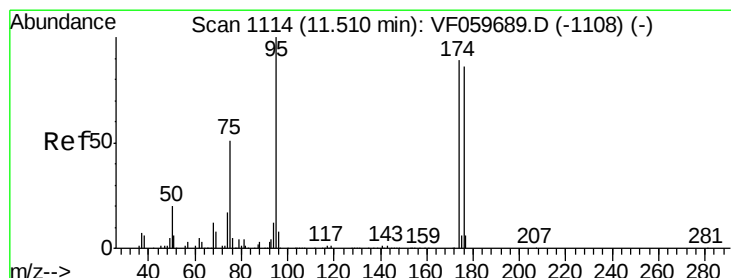
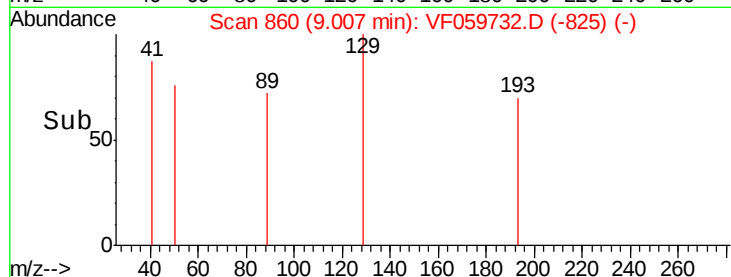
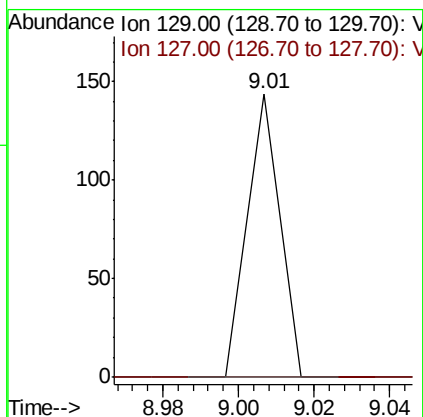
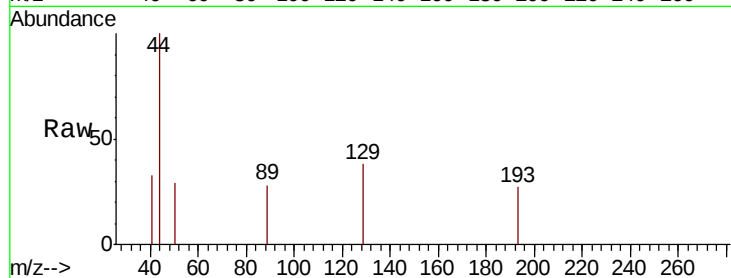




#60
Dibromochloromethane
Concen: 117.432 ug/l
RT: 9.01 min Scan# 860
Delta R.T. 0.15 min
Lab File: VF059732.D
Acq: 1 Aug 2018 3:40

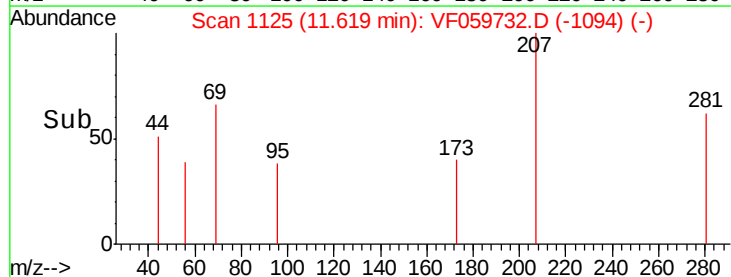
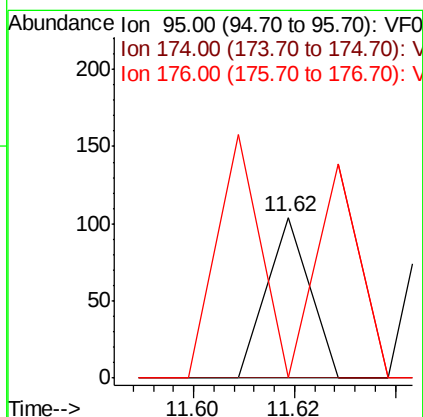
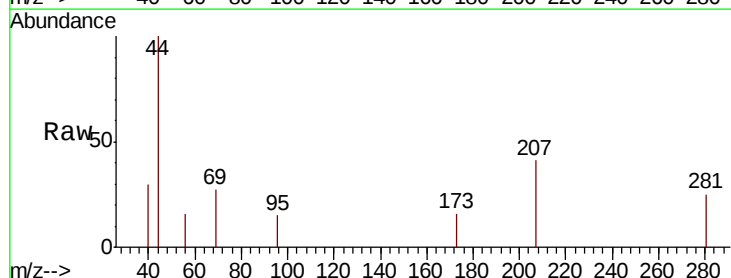
Instrument :
MSVOA_F
ClientSampleId :

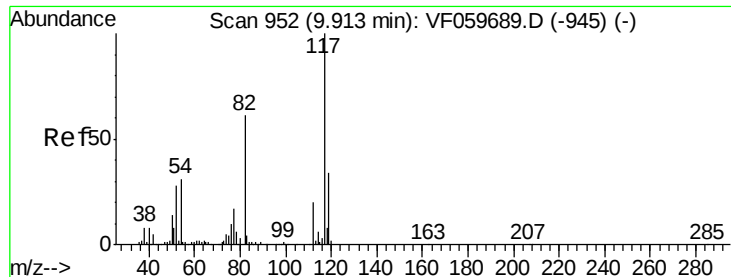
Tot Ion:129 Resp: 85
Ion Ratio Lower Upper
129 100
127 0.0 37.7 113.1#



#62
4-Bromofluorobenzene
Concen: 60.657 ug/l
RT: 11.62 min Scan# 1125
Delta R.T. 0.11 min
Lab File: VF059732.D
Acq: 1 Aug 2018 3:40

Tgt Ion: 95 Resp: 61
Ion Ratio Lower Upper
95 100
174 0.0 0.0 178.4
176 0.0 0.0 173.0

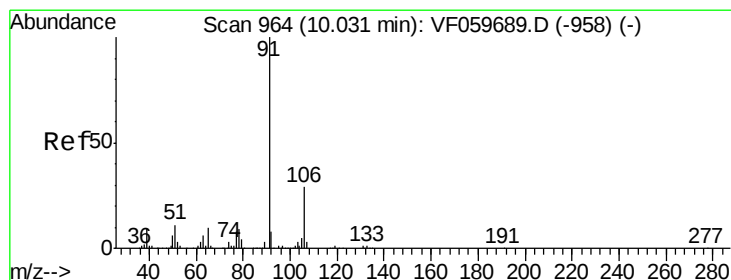
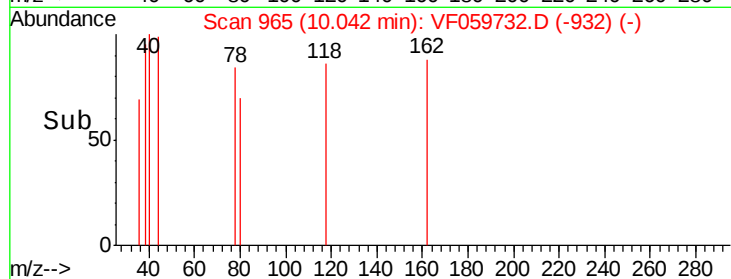
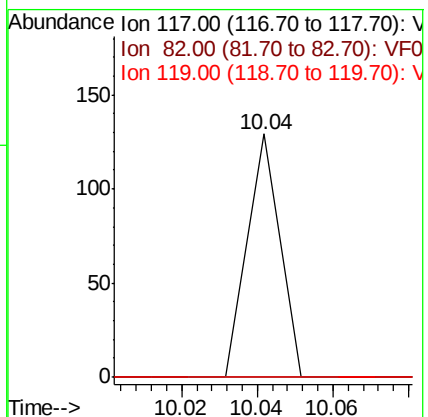
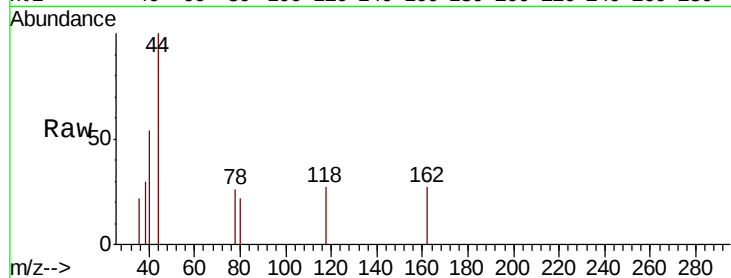




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.13 min
Lab File: VF059732.D
Acq: 1 Aug 2018 3:40

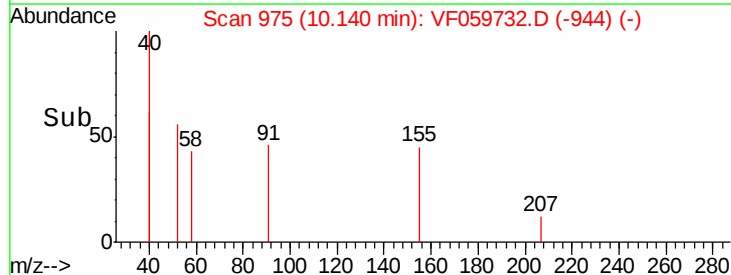
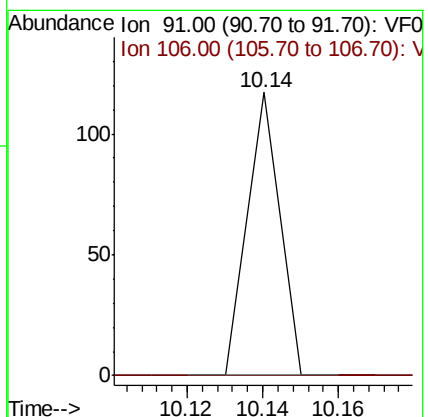
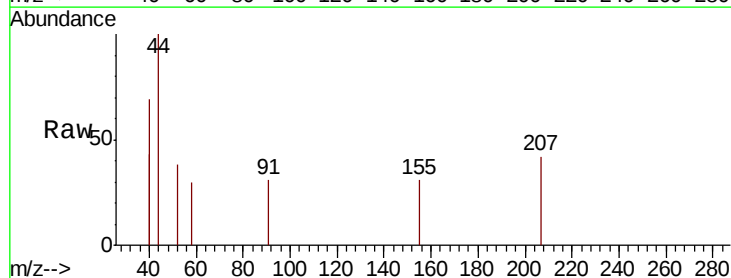
Instrument :
MSVOA_F
ClientSampleId :

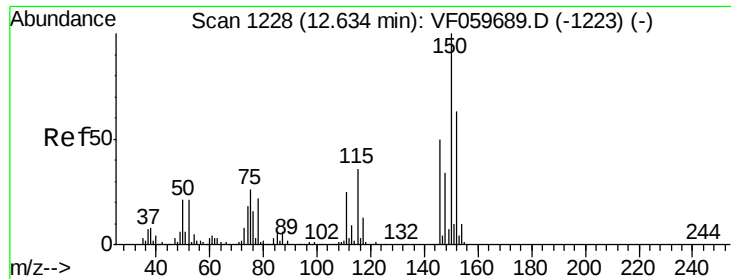
Tot Ion	Ratio	Lower	Upper
117	100		
82	0.0	49.0	73.4#
119	0.0	27.3	40.9#



#67
Ethyl Benzene
Concen: 26.231 ug/l
RT: 10.14 min Scan# 975
Delta R.T. 0.11 min
Lab File: VF059732.D
Acq: 1 Aug 2018 3:40

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	22.9	34.3#



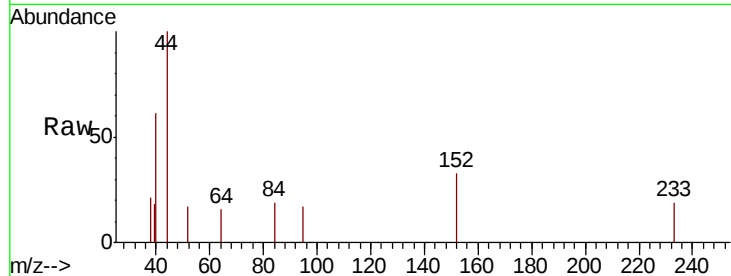


#72

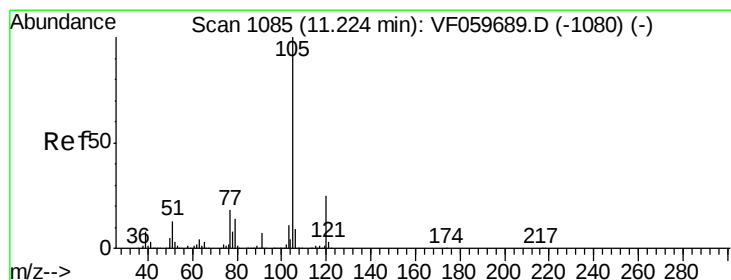
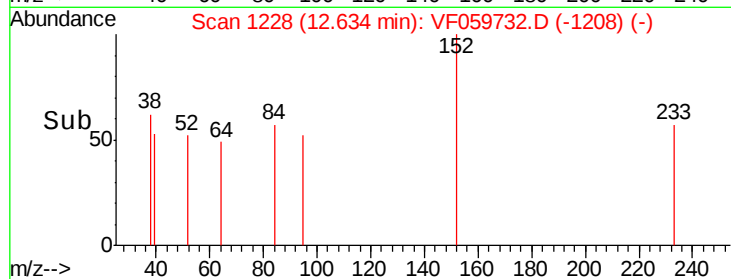
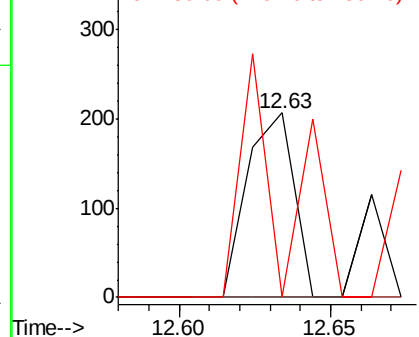
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059732.D
Acq: 1 Aug 2018 3:40

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:152 Resp: 222
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.6#
150 0.0 0.0 316.2



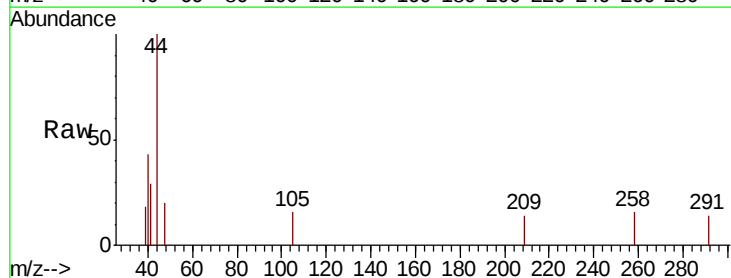
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



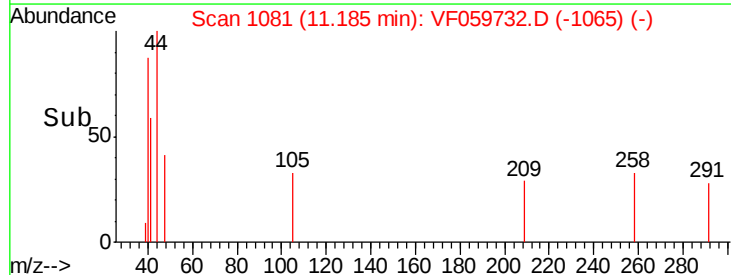
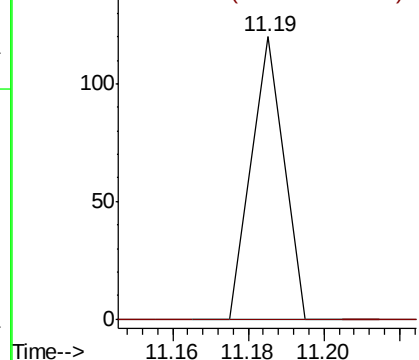
#73

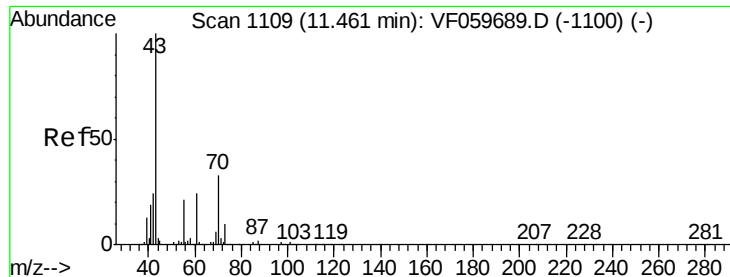
Isopropylbenzene
Concen: 4.874 ug/l
RT: 11.19 min Scan# 1081
Delta R.T. -0.04 min
Lab File: VF059732.D
Acq: 1 Aug 2018 3:40

Tgt Ion:105 Resp: 71
Ion Ratio Lower Upper
105 100
120 0.0 12.4 37.4#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 19.864 ug/l

RT: 11.43 min Scan# 1106

Delta R.T. -0.03 min

Lab File: VF059732.D

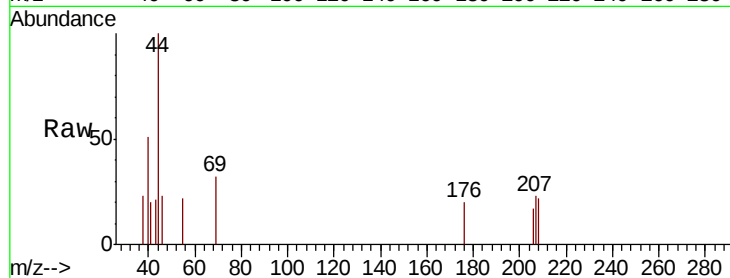
Acq: 1 Aug 2018 3:40

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	43	Resp:	73
Ion	Ratio	Lower	Upper
43	100		
70	0.0	26.3	39.5#
55	104.9	16.6	25.0#
61	0.0	19.1	28.7#



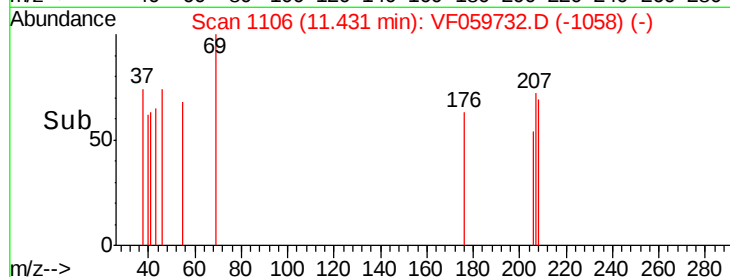
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

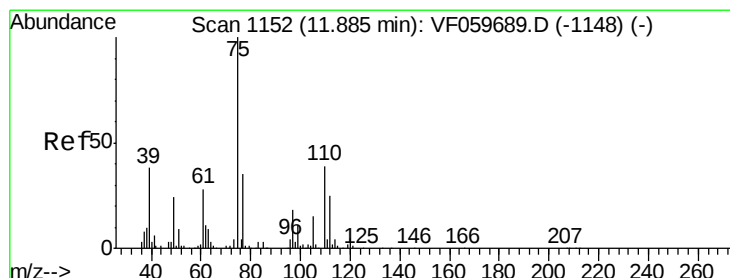
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 35.598 ug/l

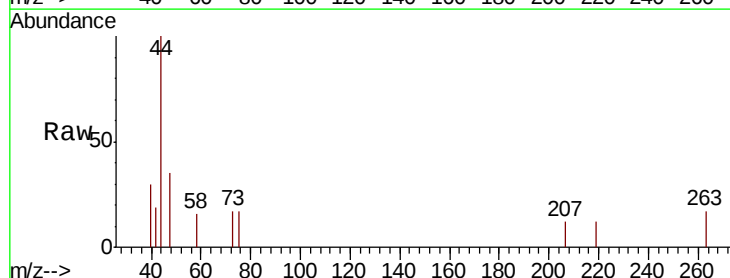
RT: 11.82 min Scan# 1145

Delta R.T. -0.07 min

Lab File: VF059732.D

Acq: 1 Aug 2018 3:40

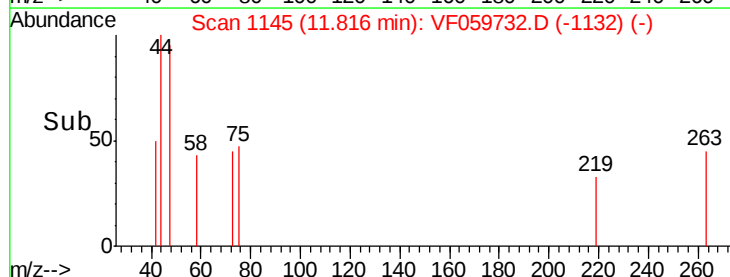
Tgt Ion:	75	Resp:	83
Ion	Ratio	Lower	Upper
75	100		
77	0.0	18.0	54.0#



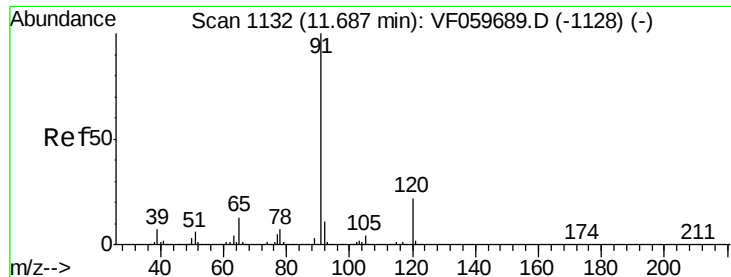
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Time-->



Time-->



#78

n-propylbenzene

Concen: 4.257 ug/l

RT: 11.75 min Scan# 1138

Delta R.T. 0.06 min

Lab File: VF059732.D

Acq: 1 Aug 2018 3:40

Instrument :

MSVOA_F

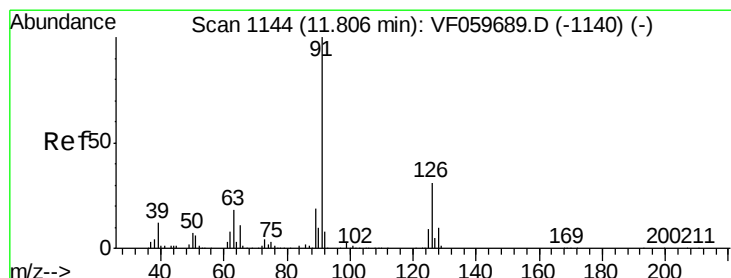
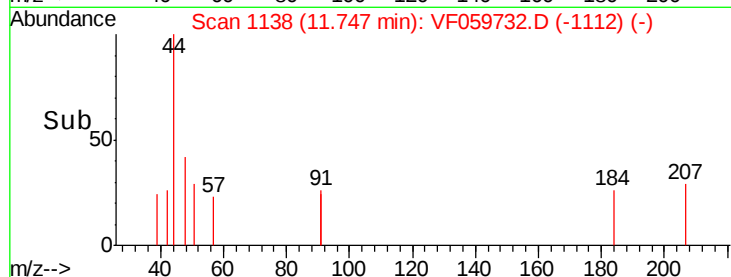
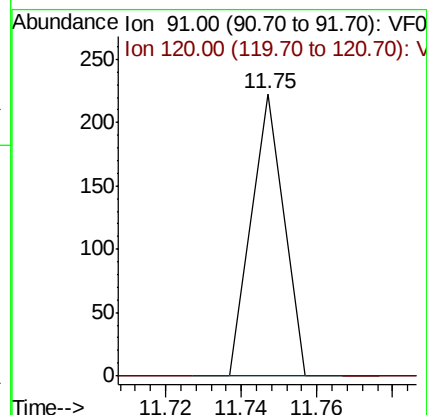
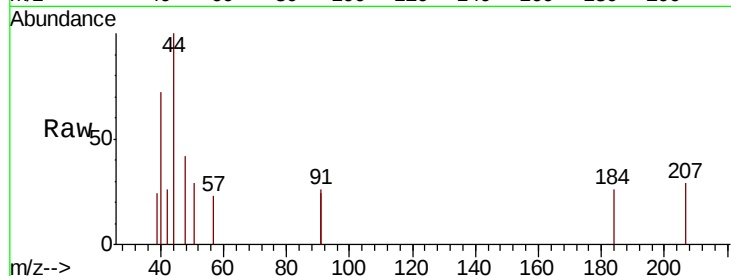
ClientSampleId :

Tot Ion: 91 Resp: 132

Ion Ratio Lower Upper

91 100

120 0.0 11.0 33.0#



#79

2-Chlorotoluene

Concen: 10.586 ug/l

RT: 11.75 min Scan# 1138

Delta R.T. -0.06 min

Lab File: VF059732.D

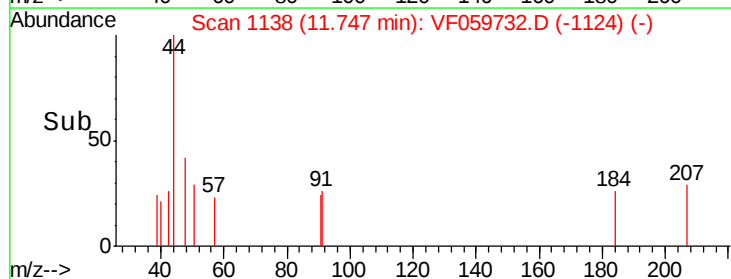
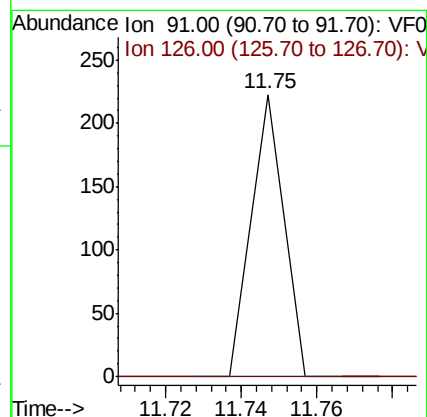
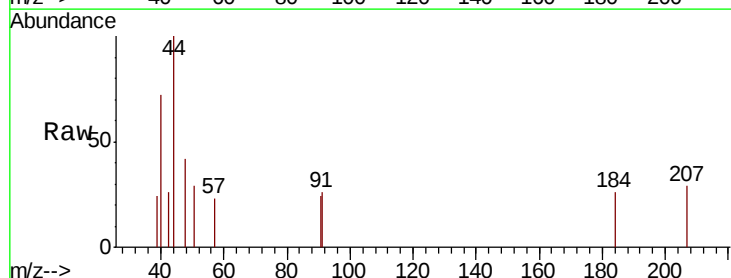
Acq: 1 Aug 2018 3:40

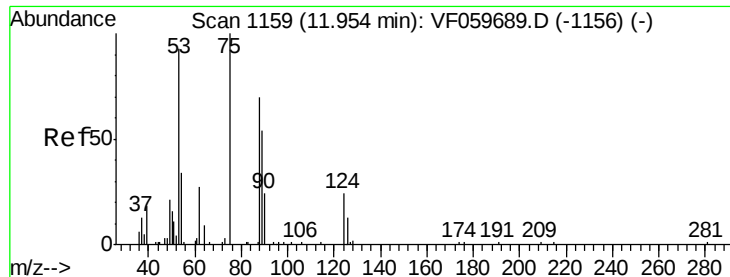
Tgt Ion: 91 Resp: 132

Ion Ratio Lower Upper

91 100

126 0.0 15.4 46.2#





#81

trans-1,4-Dichloro-2-butene

Concen: 73.529 ug/l

RT: 12.07 min Scan# 1171

Delta R.T. 0.12 min

Lab File: VF059732.D

Acq: 1 Aug 2018 3:40

Instrument :

MSVOA_F

ClientSampleId :

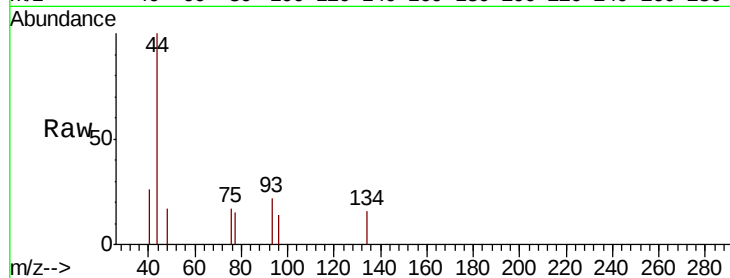
Tot Ion: 75 Resp: 71

Ion Ratio Lower Upper

75 100

53 0.0 78.3 117.5#

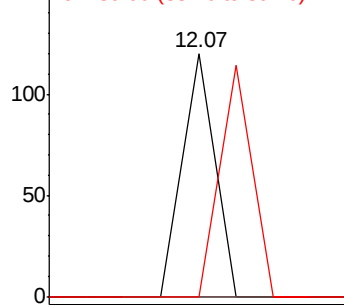
89 0.0 45.4 68.2#



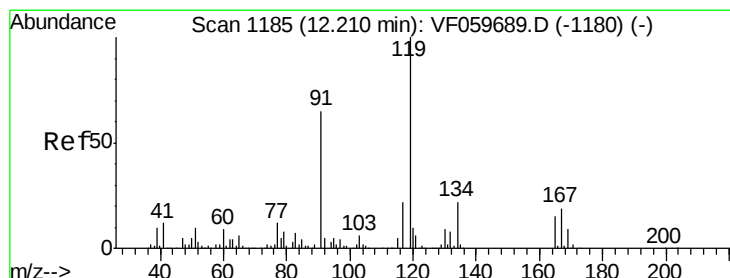
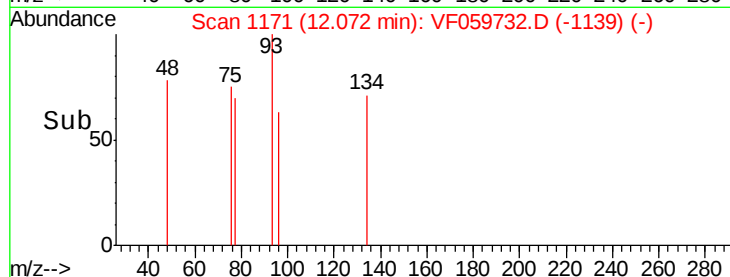
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



Time-->



#83

tert-Butylbenzene

Concen: 4.818 ug/l

RT: 12.15 min Scan# 1179

Delta R.T. -0.06 min

Lab File: VF059732.D

Acq: 1 Aug 2018 3:40

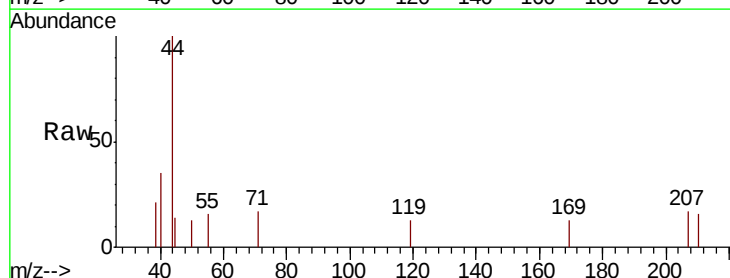
Tgt Ion: 119 Resp: 63

Ion Ratio Lower Upper

119 100

91 0.0 32.8 98.4#

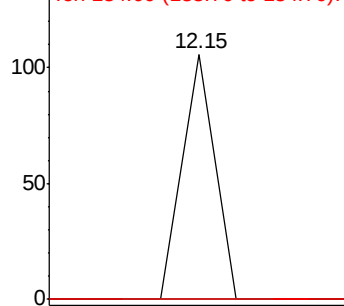
134 0.0 10.9 32.7#



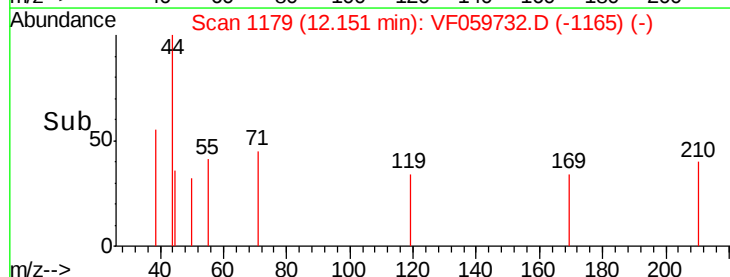
Abundance Ion 119.00 (118.70 to 119.70): V

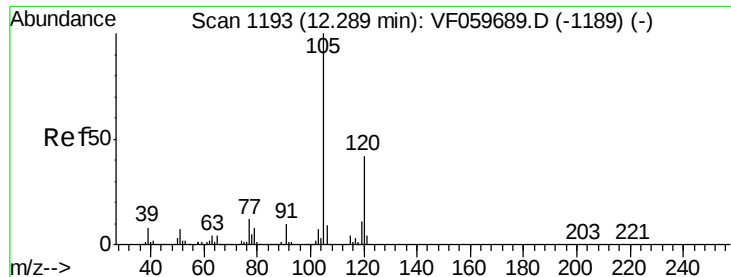
Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



Time-->

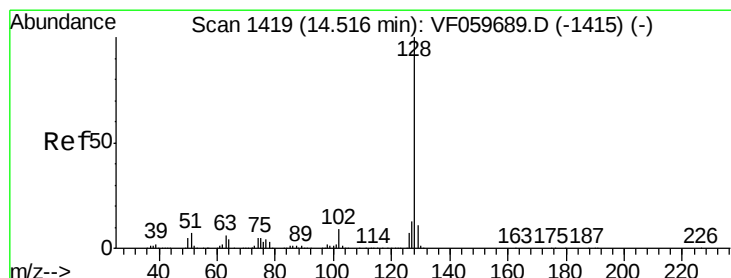
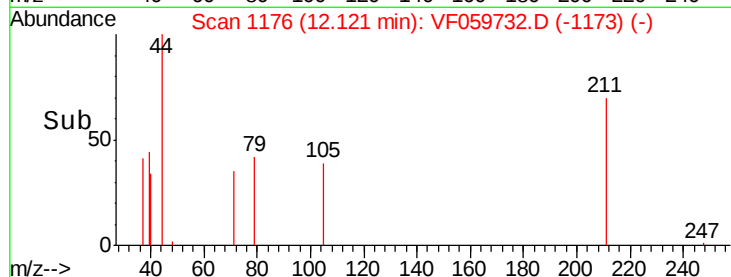
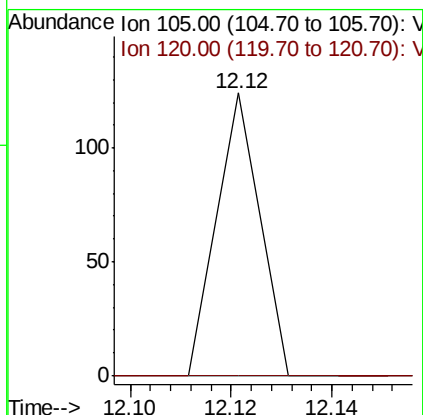
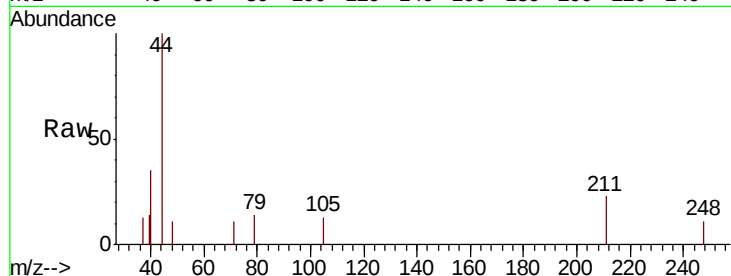




#84
 1,2,4-Trimethylbenzene
 Concen: 1.866 ug/l
 RT: 12.12 min Scan# 1176
 Delta R.T. -0.17 min
 Lab File: VF059732.D
 Acq: 1 Aug 2018 3:40

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:105 Resp: 73
 Ion Ratio Lower Upper
 105 100
 120 0.0 21.1 63.3#



#95
 Naphthalene
 Concen: 6.687 ug/l
 RT: 14.55 min Scan# 1422
 Delta R.T. 0.03 min
 Lab File: VF059732.D
 Acq: 1 Aug 2018 3:40

Tgt Ion:128 Resp: 64
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.0 15.0#
 129 0.0 8.6 13.0#

