

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059742.D
 Acq On : 1 Aug 2018 8:17
 Operator : VA/AP
 Sample : J4140-07RE
 Misc : 6.82g/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 01 08:34:53 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	71148	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.76	114	119024	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	54961	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	6035	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	85489	66.86	ug/l	0.01
Spiked Amount			Recovery	=	133.72%	
35) Dibromofluoromethane	4.30	113	74608	60.35	ug/l	0.01
Spiked Amount			Recovery	=	120.70%	
50) Toluene-d8	7.72	98	85173	29.54	ug/l	0.01
Spiked Amount			Recovery	=	59.08%	
62) 4-Bromofluorobenzene	11.51	95	10154	6.36	ug/l	0.00
Spiked Amount			Recovery	=	12.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	313	Below Cal	#	44
3) Chloromethane	1.09	50	727	Below Cal	#	87
4) Vinyl Chloride	1.23	62	147	Below Cal	#	1
5) Bromomethane	1.33	94	531	Below Cal	#	4
6) Chloroethane	1.41	64	131	Below Cal	#	86
10) Methyl Iodide	1.99	142	100	Below Cal	#	20
11) Tert butyl alcohol	2.70	59	507	8.424	ug/l #	74
13) Acrolein	2.21	56	96	19.391	ug/l	84
14) Allyl chloride	2.22	41	966	1.098	ug/l #	52
15) Acrylonitrile	3.09	53	193	2.398	ug/l	94
16) Acetone	2.33	43	12458	54.166	ug/l #	91
17) Carbon Disulfide	1.85	76	1088	Below Cal	#	71
18) Methyl Acetate	2.48	43	927	Below Cal	#	64
20) Methylene Chloride	2.27	84	2942	Below Cal	#	57
21) trans-1,2-Dichloroethene	2.45	96	71	Below Cal	#	1
28) Bromochloromethane	3.92	49	157	Below Cal	#	15
29) Tetrahydrofuran	4.26	42	134	1.358	ug/l #	39
31) Cyclohexane	3.89	56	123	Below Cal	#	15
36) 1,1-Dichloropropene	4.46	75	67	Below Cal	#	46
37) Ethyl Acetate	4.30	43	313	Below Cal	#	19
39) Methylcyclohexane	5.75	83	2536	Below Cal	#	35
41) Methacrylonitrile	4.92	41	185	Below Cal	#	24
44) Trichloroethene	5.65	130	60	Below Cal	#	2
49) 1,4-Dioxane	6.92	88	63	Below Cal	#	21
52) Toluene	7.79	92	163	Below Cal	#	1
68) m/p-Xylenes	10.40	106	101	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.99	75	79	1.246	ug/l #	39
78) n-propylbenzene	11.70	91	62	Below Cal	#	54
79) 2-Chlorotoluene	11.81	91	193	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	11.84	105	78	Below Cal	#	31
81) trans-1,4-Dichloro-2-buten	11.99	75	79	3.010	ug/l #	9
82) 4-Chlorotoluene	11.98	91	141	Below Cal	#	44
84) 1,2,4-Trimethylbenzene	12.29	105	76	Below Cal	#	33
85) sec-Butylbenzene	12.29	105	76	Below Cal	#	57

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 Response via : Initial Calibration

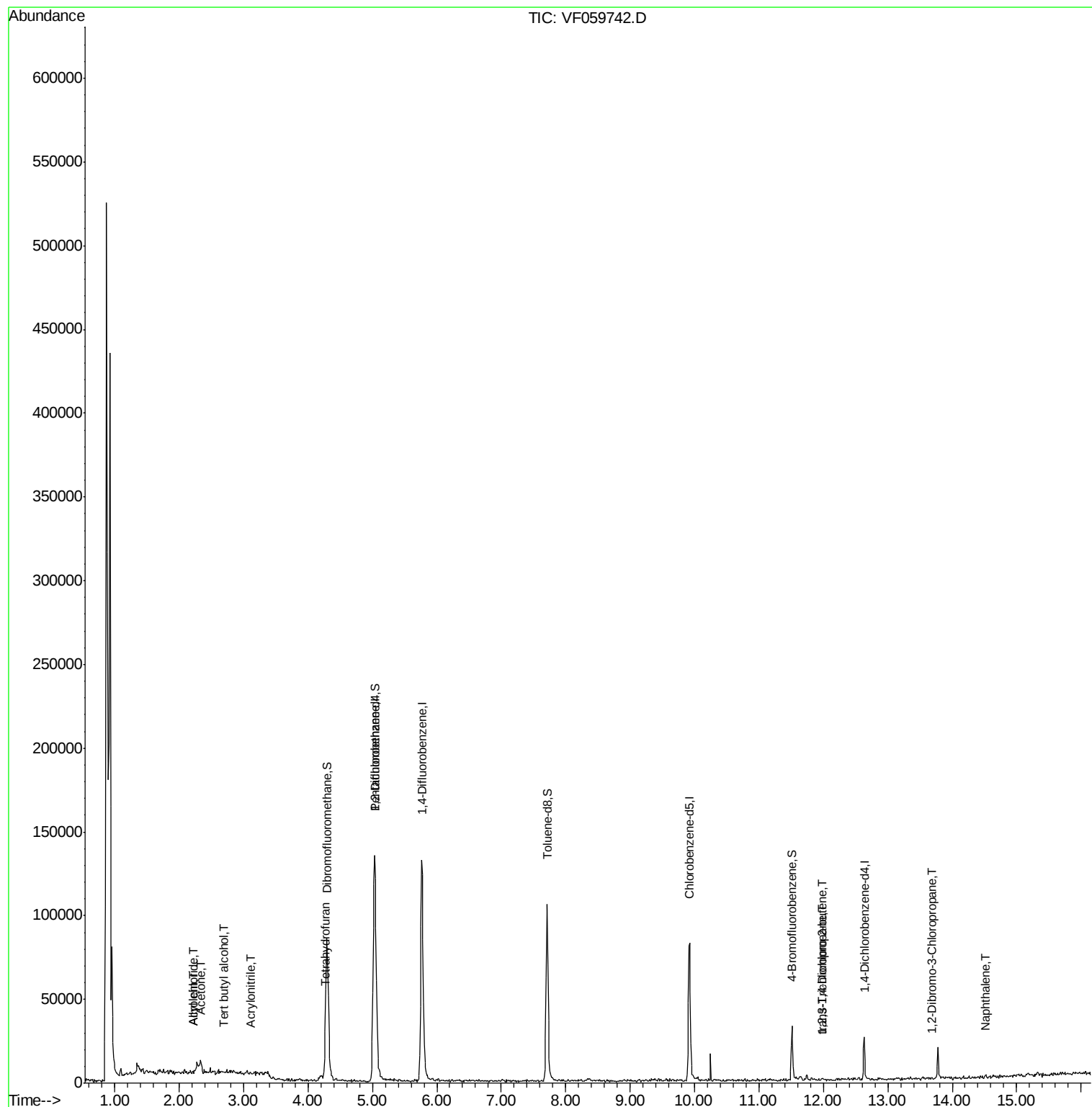
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	12.54	119	62	Below Cal	#	49
87) 1,3-Dichlorobenzene	12.56	146	185	Below Cal	#	24
88) 1,4-Dichlorobenzene	12.65	146	105	Below Cal	#	24
89) n-Butylbenzene	12.92	91	316	Below Cal	#	29
91) 1,2-Dichlorobenzene	13.10	146	115	Below Cal	#	24
92) 1,2-Dibromo-3-Chloropropan	13.70	75	66	3.622 ug/l	#	9
93) 1,2,4-Trichlorobenzene	14.27	180	396	Below Cal	#	51
95) Naphthalene	14.53	128	988	3.797 ug/l	#	76

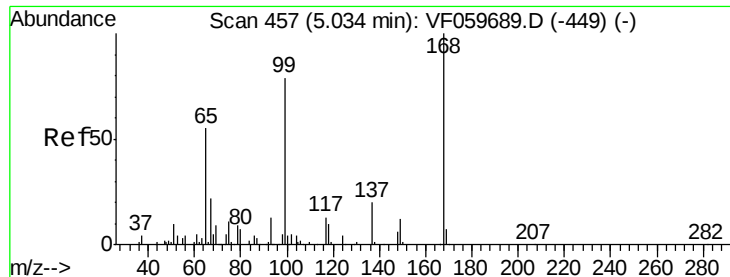
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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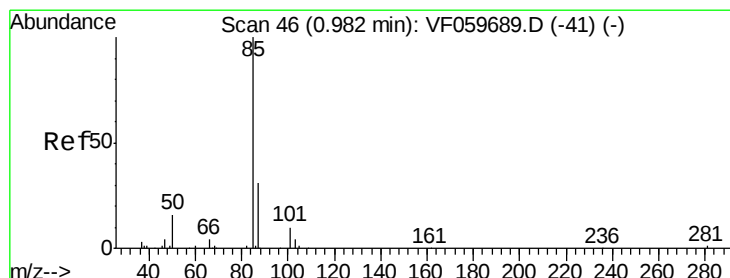
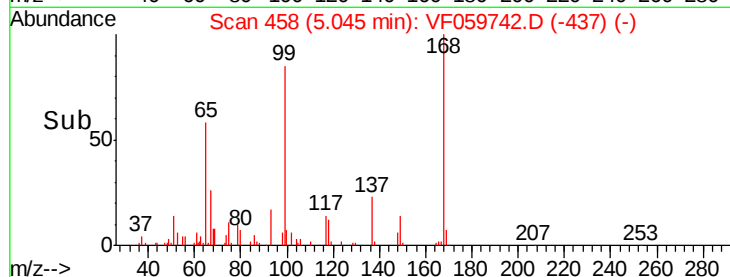
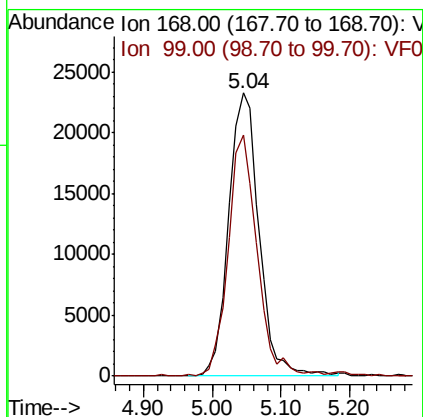
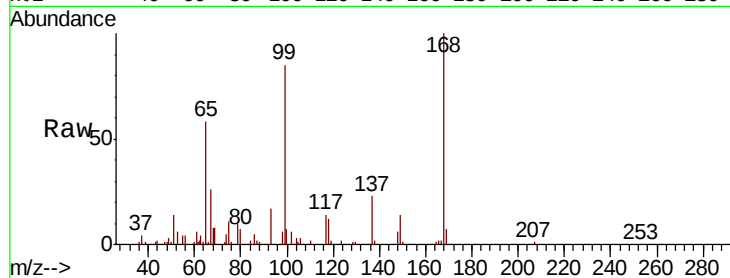




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.04 min Scan# 458
Delta R.T. 0.01 min
Lab File: VF059742.D
Acq: 1 Aug 2018 8:17

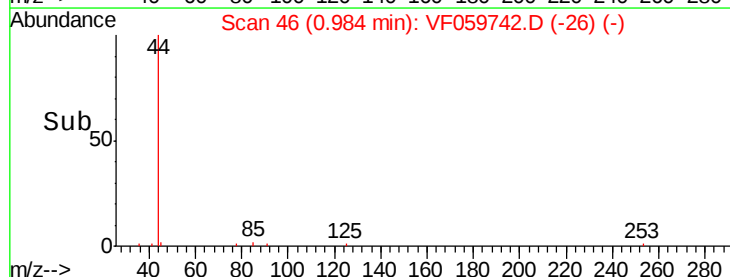
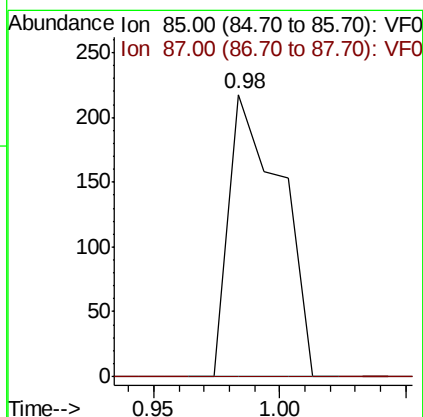
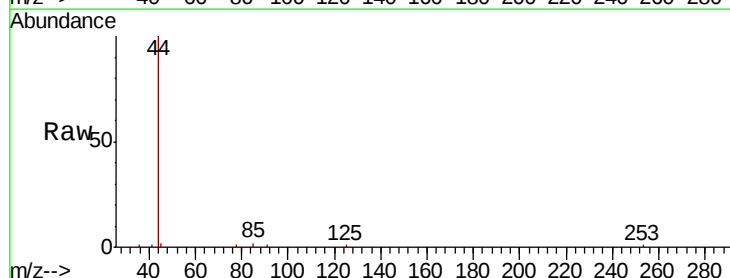
Instrument :
MSVOA_F
ClientSampled :

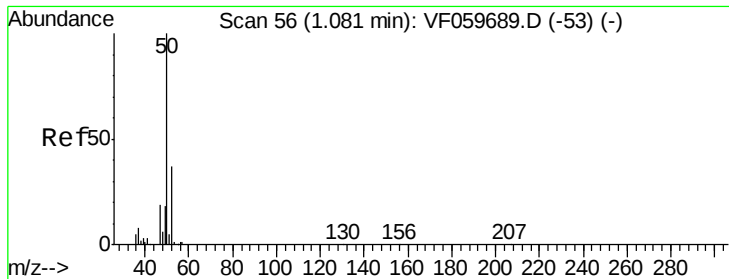
Tot Ion:168 Resp: 71148
Ion Ratio Lower Upper
168 100
99 85.2 63.3 94.9



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 0.98 min Scan# 46
Delta R.T. 0.00 min
Lab File: VF059742.D
Acq: 1 Aug 2018 8:17

Tgt Ion: 85 Resp: 313
Ion Ratio Lower Upper
85 100
87 0.0 15.3 45.8#





#3

Chloromethane

Concen: Below Cal

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

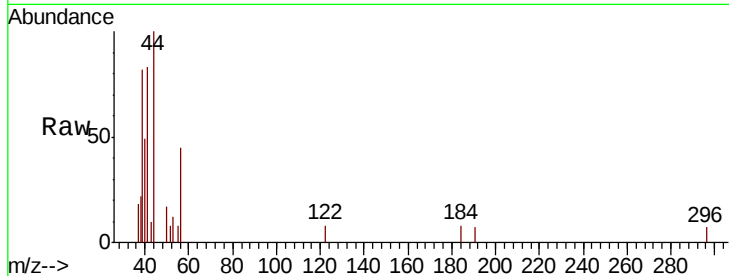
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 727

Ion Ratio Lower Upper

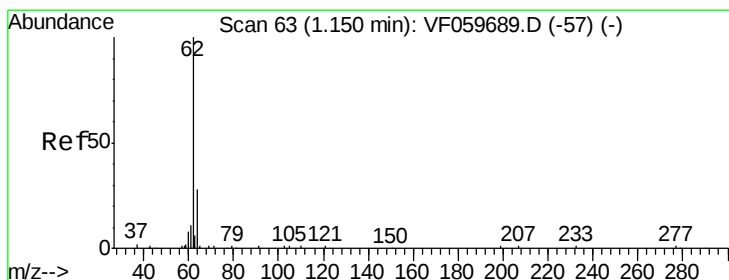
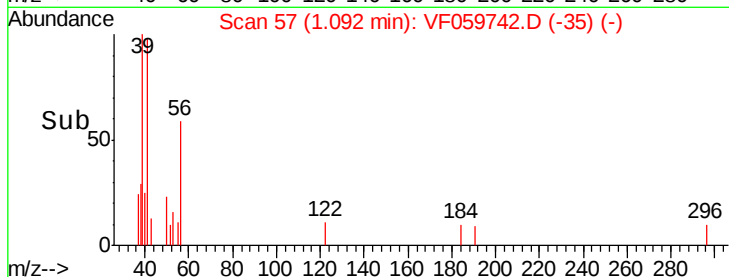
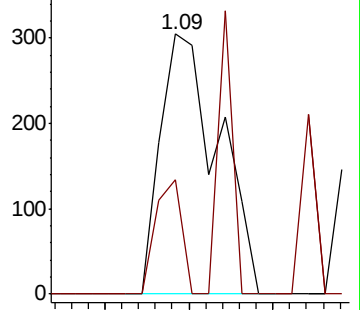
50 100

52 43.9 29.1 43.7#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: Below Cal

RT: 1.23 min Scan# 71

Delta R.T. 0.08 min

Lab File: VF059742.D

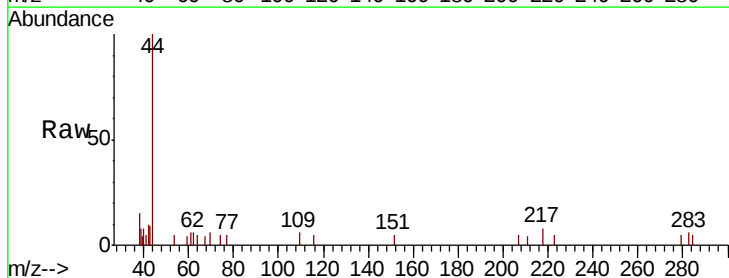
Acq: 1 Aug 2018 8:17

Tgt Ion: 62 Resp: 147

Ion Ratio Lower Upper

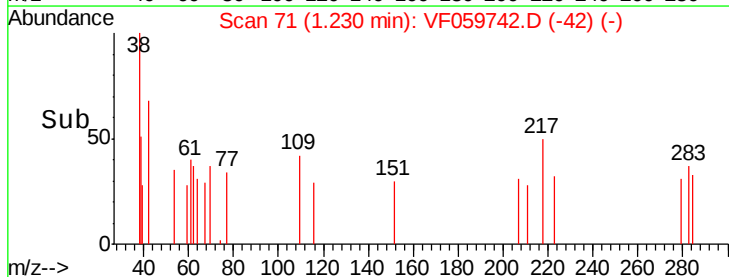
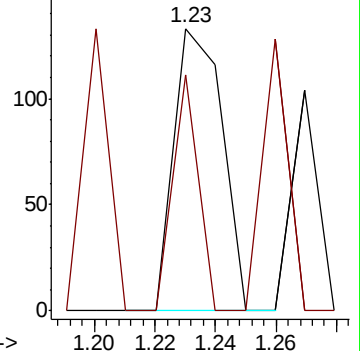
62 100

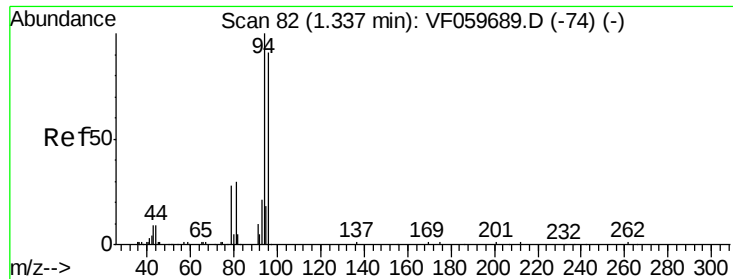
64 83.5 22.6 33.8#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: Below Cal

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

Instrument :

MSVOA_F

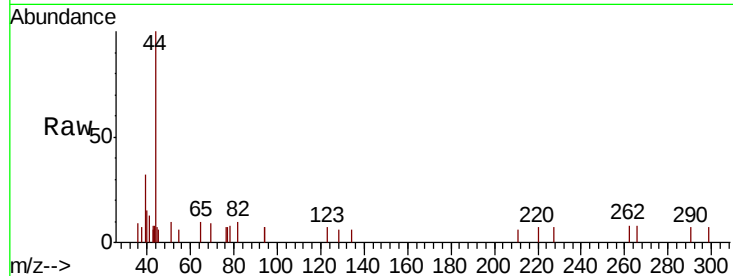
ClientSampled :

Tot Ion: 94 Resp: 531

Ion Ratio Lower Upper

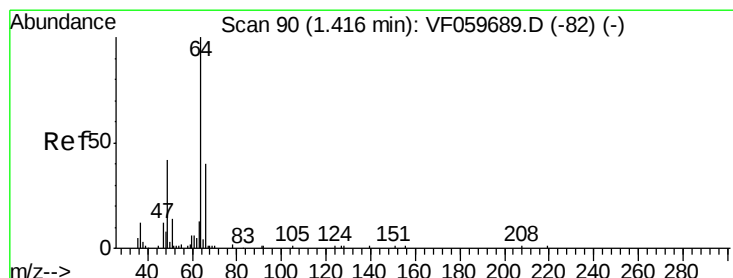
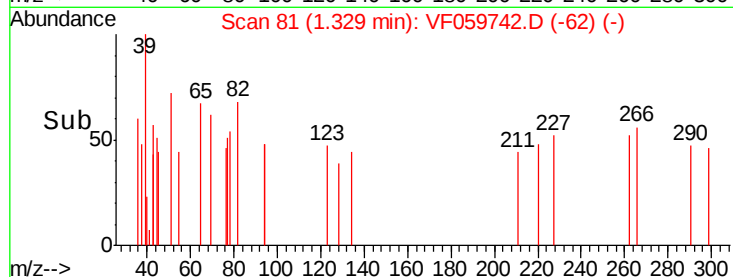
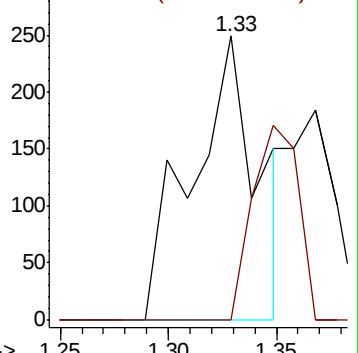
94 100

96 0.0 73.6 110.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: Below Cal

RT: 1.41 min Scan# 89

Delta R.T. -0.01 min

Lab File: VF059742.D

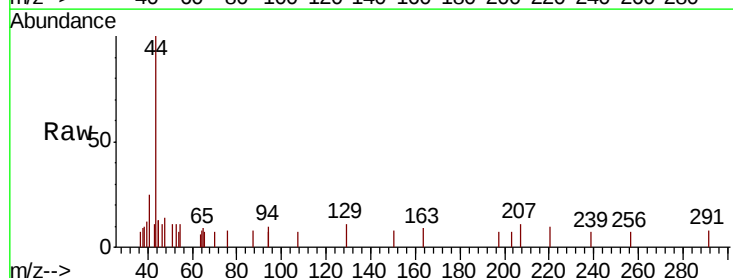
Acq: 1 Aug 2018 8:17

Tgt Ion: 64 Resp: 131

Ion Ratio Lower Upper

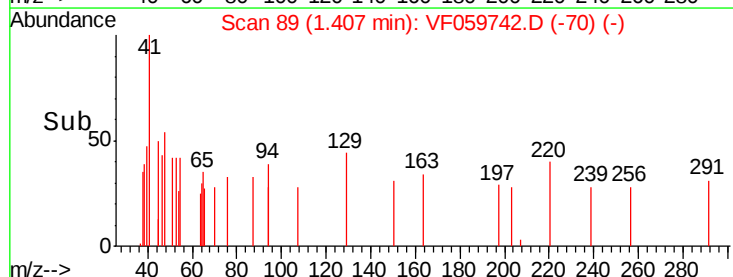
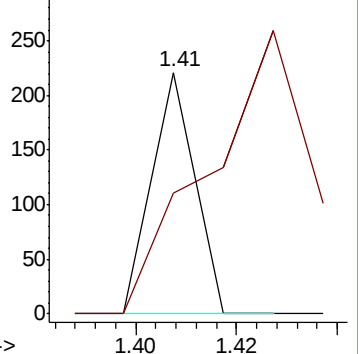
64 100

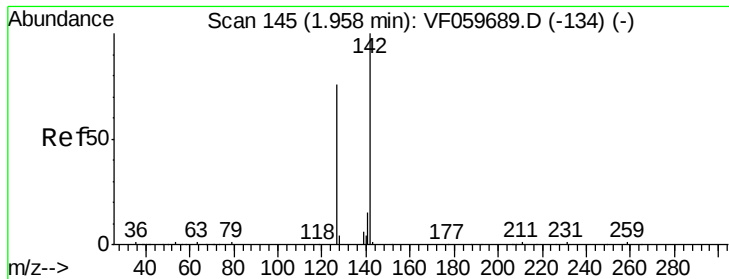
66 49.8 32.6 49.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#10

Methyl Iodide

Concen: Below Cal

RT: 1.99 min Scan# 148

Delta R.T. 0.03 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

Instrument :

MSVOA_F

ClientSampled :

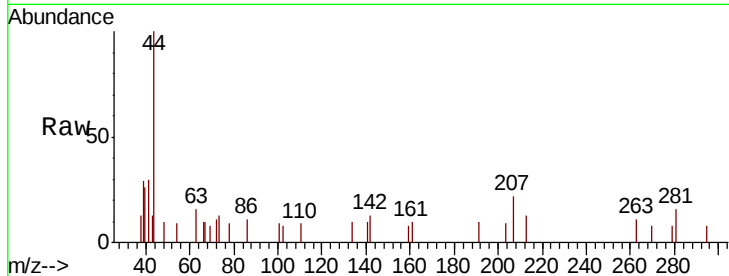
Tot Ion:142 Resp: 100

Ion Ratio Lower Upper

142 100

127 0.0 60.6 91.0#

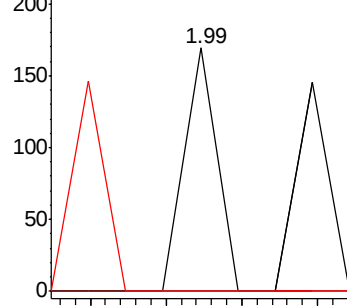
141 0.0 12.0 18.0#



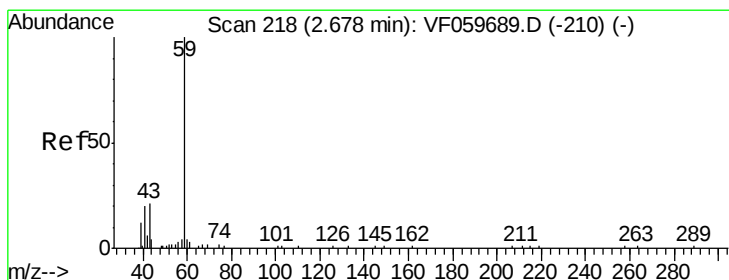
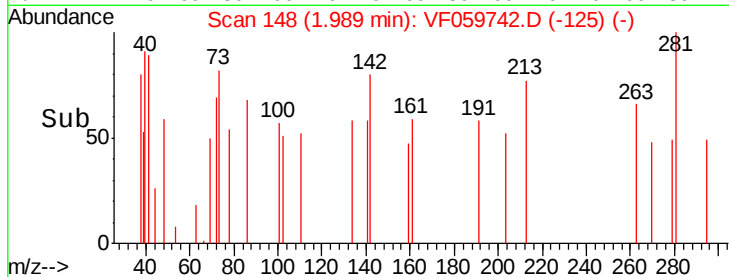
Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



Time-->



#11

Tert butyl alcohol

Concen: 8.424 ug/l

RT: 2.70 min Scan# 220

Delta R.T. 0.02 min

Lab File: VF059742.D

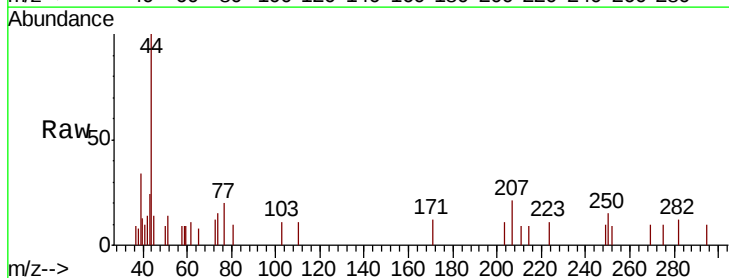
Acq: 1 Aug 2018 8:17

Tgt Ion: 59 Resp: 507

Ion Ratio Lower Upper

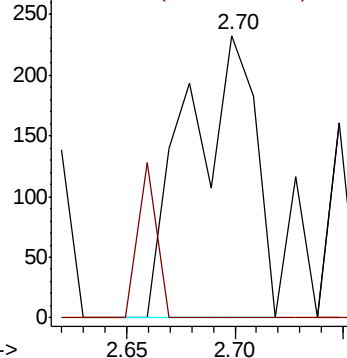
59 100

57 0.0 7.6 11.4#

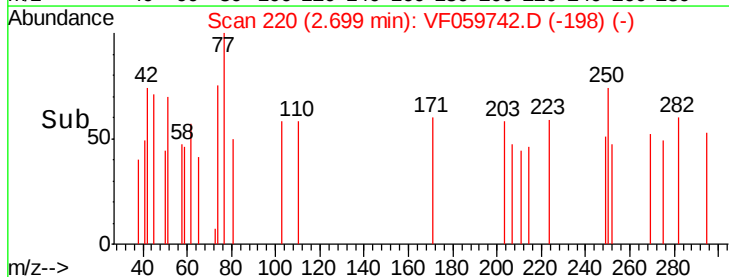


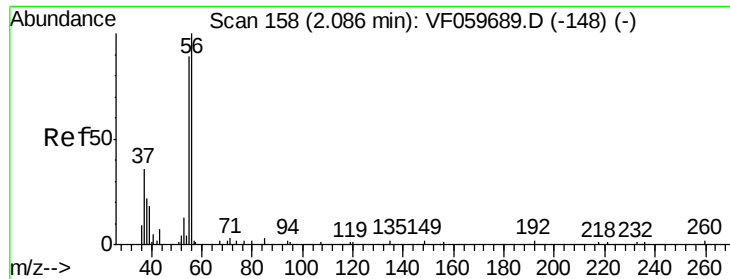
Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0



Time-->





#13

Acrolein

Concen: 19.391 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.12 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

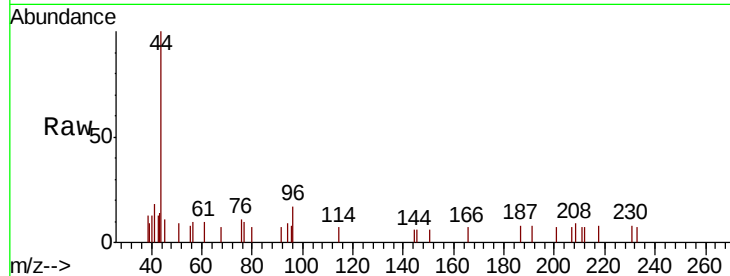
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 96

Ion Ratio Lower Upper

56 100

55 75.9 73.2 109.8

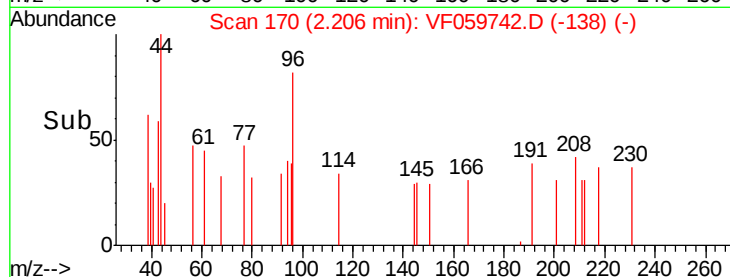


Abundance Ion 56.00 (55.70 to 56.70): VF0

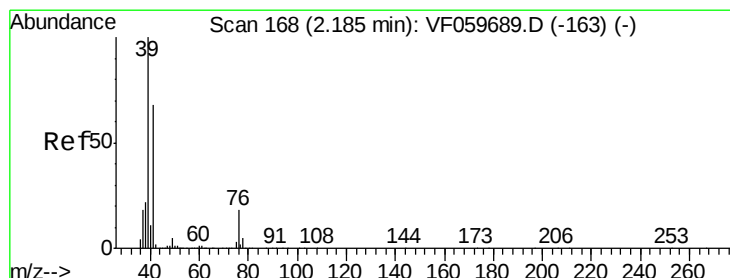
Ion 55.00 (54.70 to 55.70): VF0

2.21

2.22



Time-->



#14

Allyl chloride

Concen: 1.098 ug/l

RT: 2.22 min Scan# 171

Delta R.T. 0.03 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

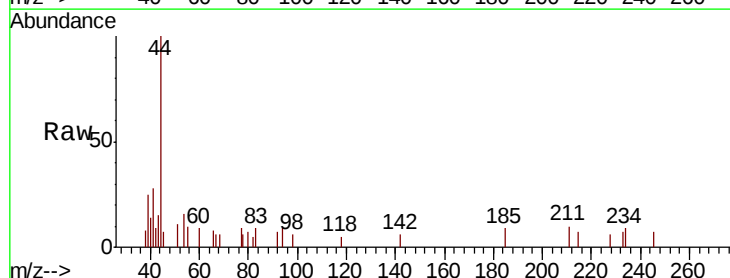
Tgt Ion: 41 Resp: 966

Ion Ratio Lower Upper

41 100

39 88.4 118.1 177.1#

76 0.0 22.0 33.0#



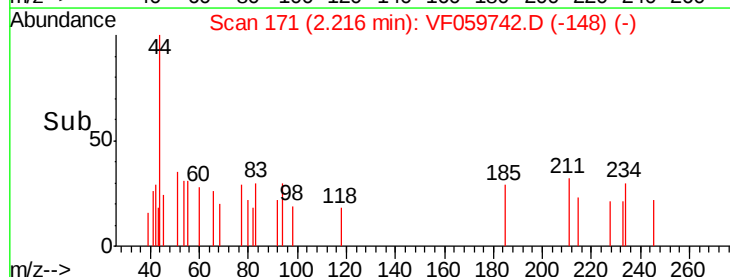
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

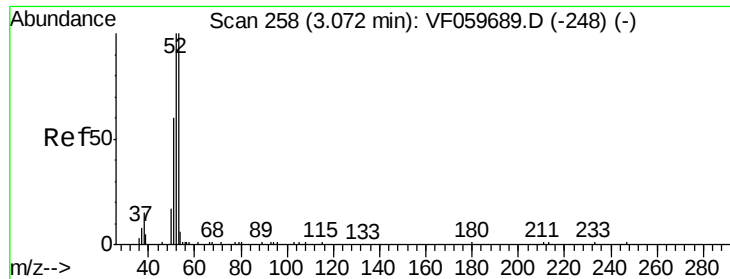
Ion 76.00 (75.70 to 76.70): VF0

2.22

2.25



Time-->



#15

Acrylonitrile

Concen: 2.398 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.02 min

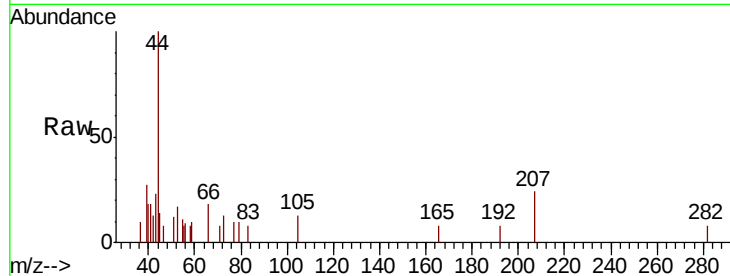
Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 53 Resp: 193

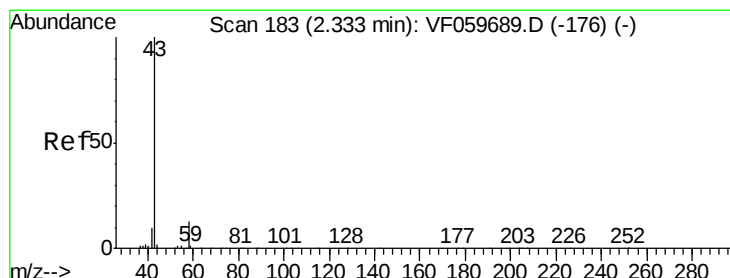
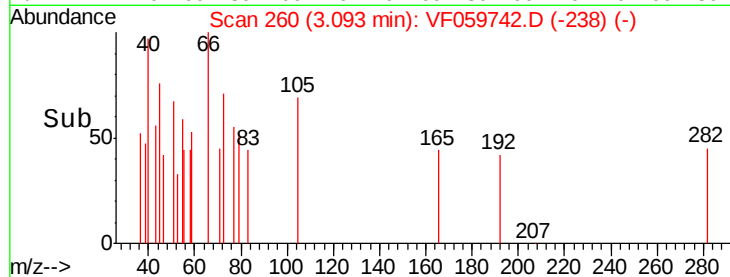
Ion	Ratio	Lower	Upper
53	100		
52	100.0	80.3	120.5
51	72.9	49.4	74.0



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: 54.166 ug/l

RT: 2.33 min Scan# 183

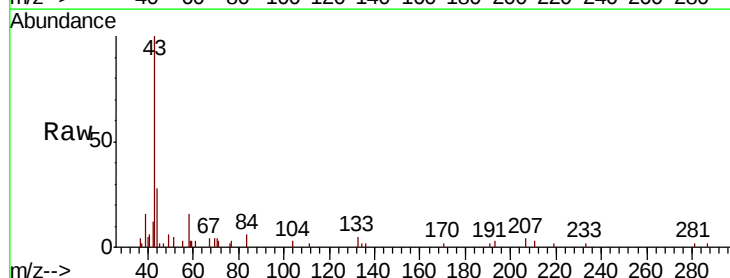
Delta R.T. 0.00 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

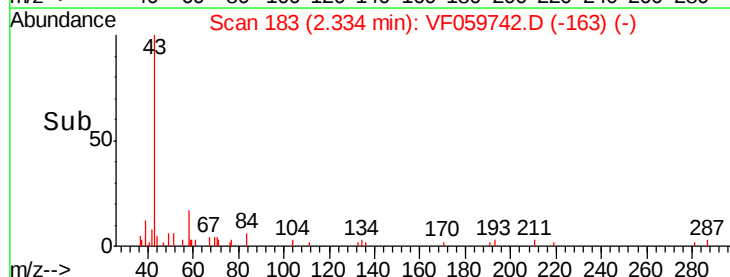
Tgt Ion: 43 Resp: 12458

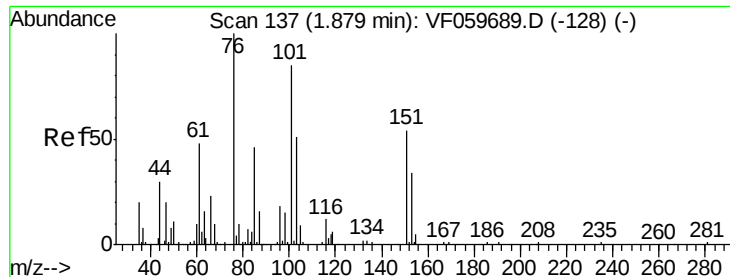
Ion	Ratio	Lower	Upper
43	100		
58	16.2	10.1	15.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

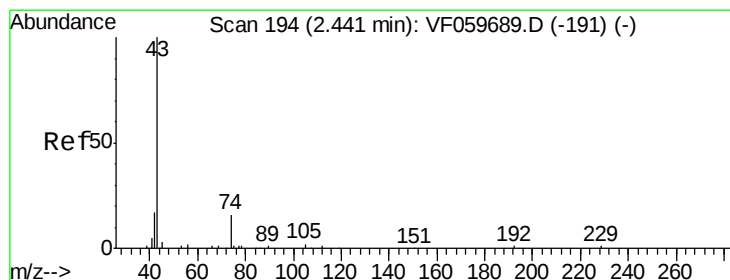
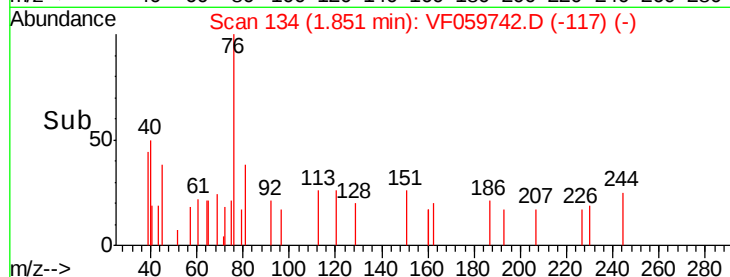
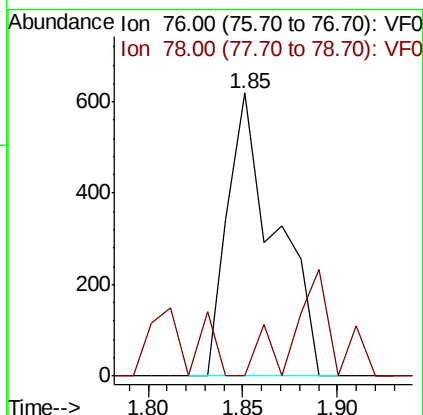
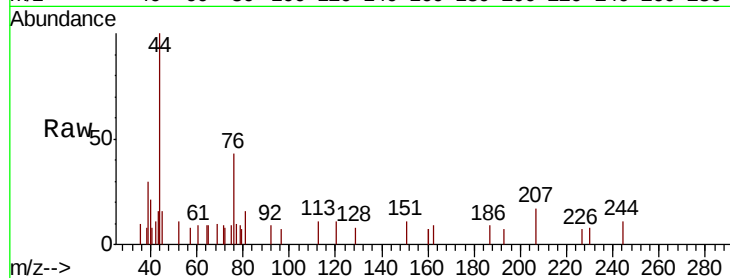




#17
Carbon Disulfide
Concen: Below Cal
RT: 1.85 min Scan# 134
Delta R.T. -0.03 min
Lab File: VF059742.D
Acq: 1 Aug 2018 8:17

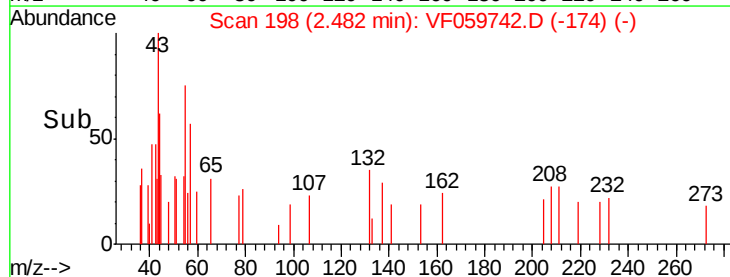
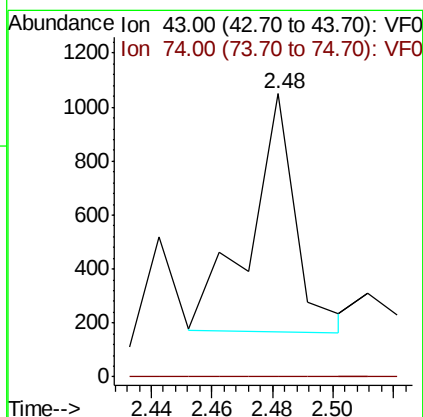
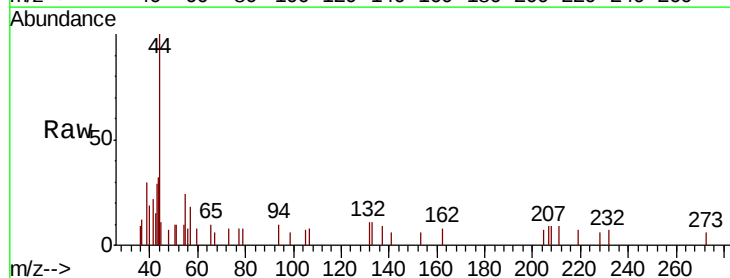
Instrument :
MSVOA_F
ClientSampleId :

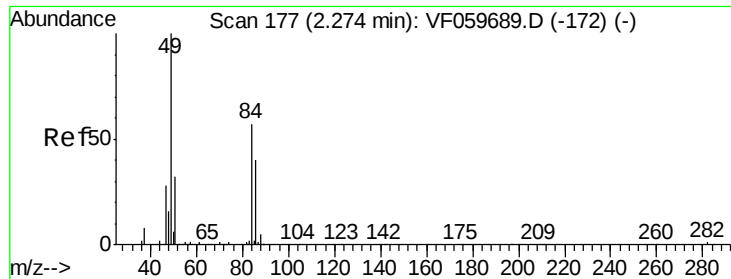
Tot Ion: 76 Resp: 1088
Ion Ratio Lower Upper
76 100
78 0.0 8.9 13.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.48 min Scan# 198
Delta R.T. 0.04 min
Lab File: VF059742.D
Acq: 1 Aug 2018 8:17

Tgt Ion: 43 Resp: 927
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#

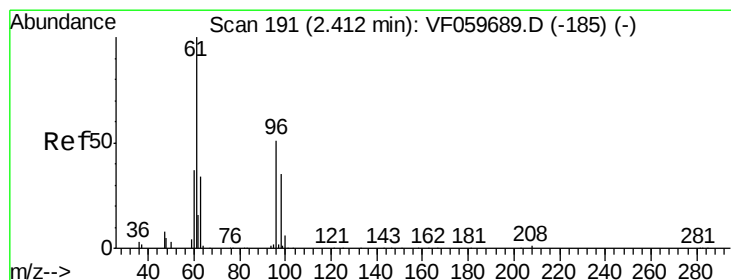
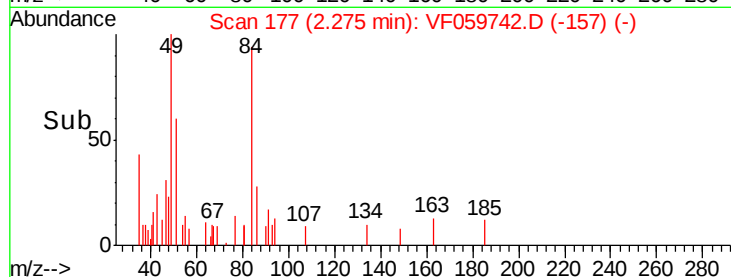
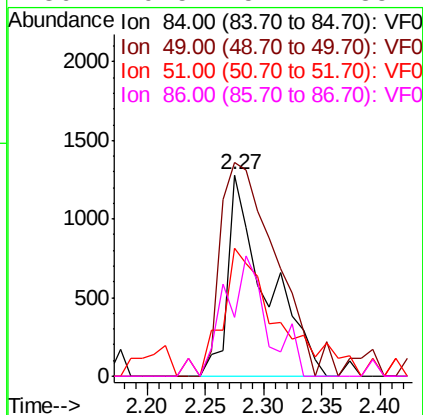
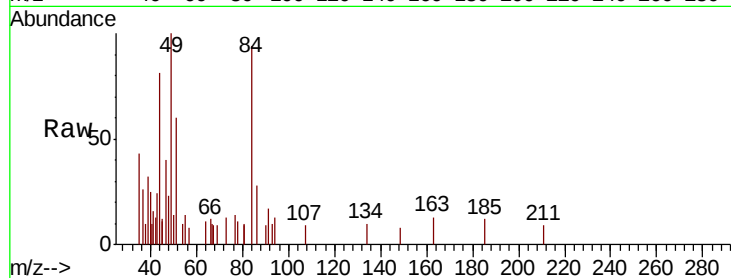




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059742.D
Acq: 1 Aug 2018 8:17

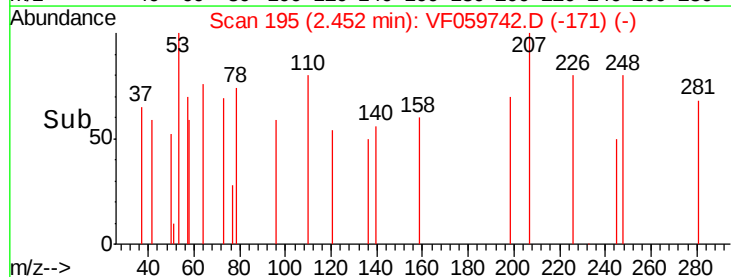
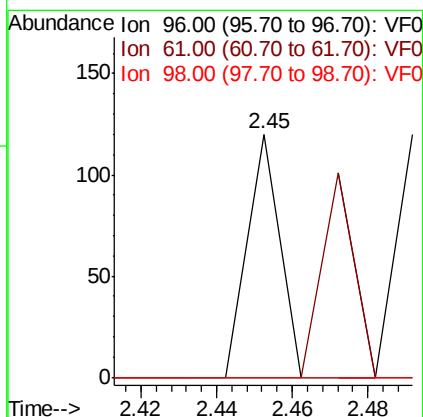
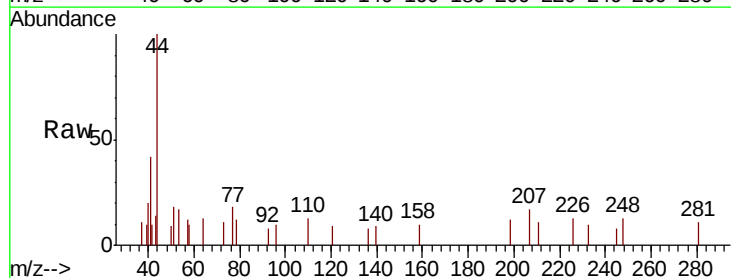
Instrument :
MSVOA_F
ClientSampleId :

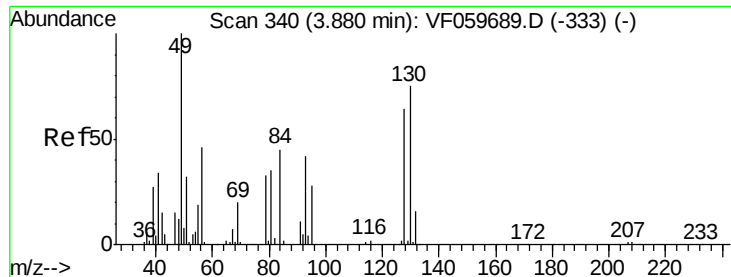
Tot Ion: 84 Resp: 2942
Ion Ratio Lower Upper
84 100
49 106.3 142.2 213.4#
51 63.9 46.2 69.2
86 29.5 57.1 85.7#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 2.45 min Scan# 195
Delta R.T. 0.04 min
Lab File: VF059742.D
Acq: 1 Aug 2018 8:17

Tgt Ion: 96 Resp: 71
Ion Ratio Lower Upper
96 100
61 0.0 157.4 236.0#
98 0.0 55.0 82.4#





#28

Bromochloromethane

Concen: Below Cal

RT: 3.92 min Scan# 344

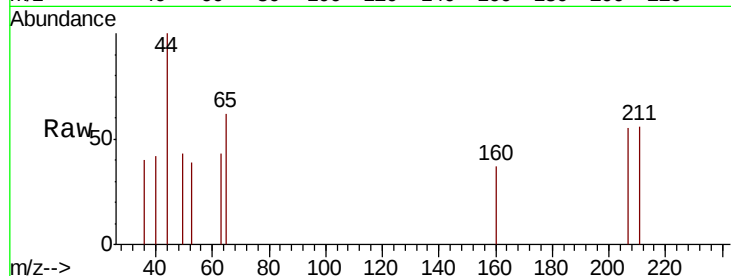
Delta R.T. 0.04 min

Lab File: VF059742.D

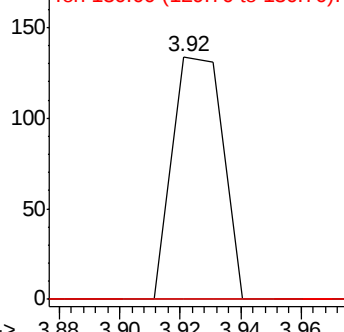
Acq: 1 Aug 2018 8:17

Instrument :
MSVOA_F
ClientSampleId :

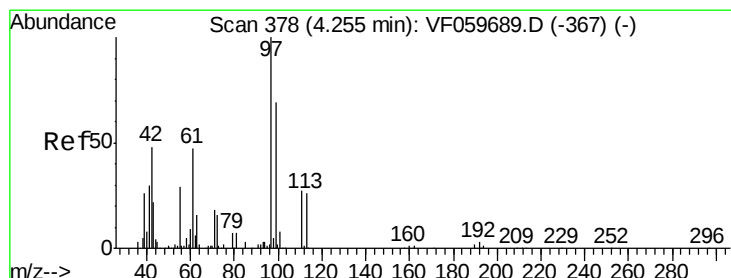
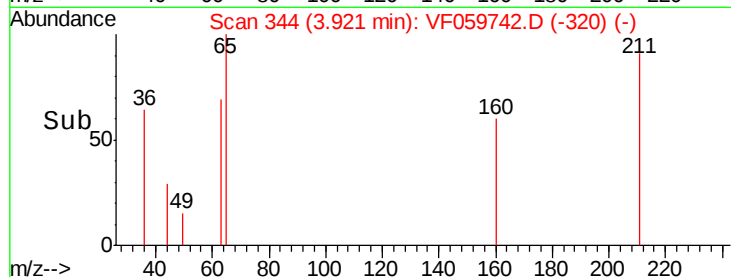
Tot Ion: 49 Resp: 157
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 0.0 59.6 89.4#



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V



Time--> 3.88 3.90 3.92 3.94 3.96



#29

Tetrahydrofuran

Concen: 1.358 ug/l

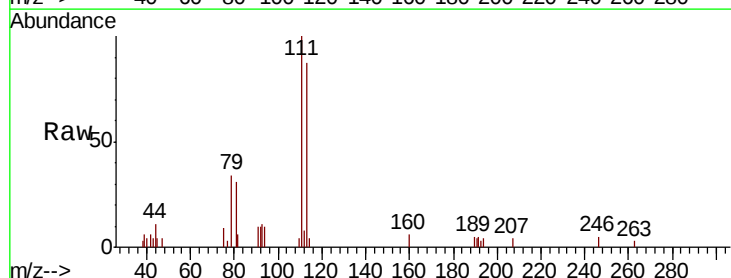
RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

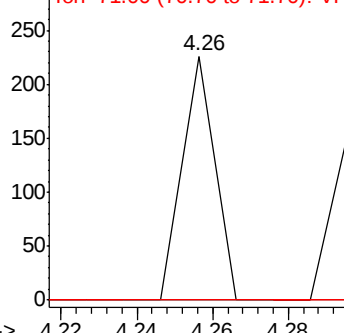
Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

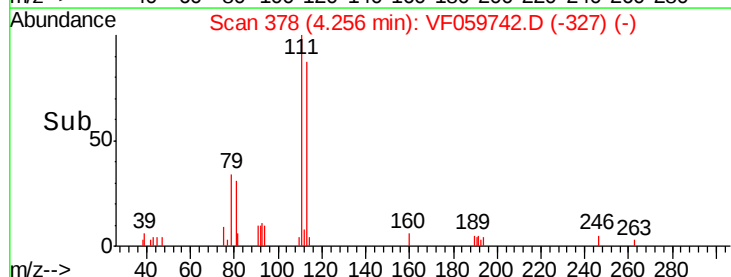
Tgt Ion: 42 Resp: 134
Ion Ratio Lower Upper
42 100
72 0.0 27.0 40.6#
71 0.0 29.7 44.5#

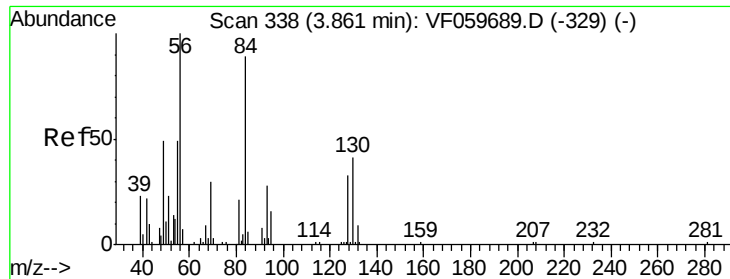


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



Time--> 4.22 4.24 4.26 4.28

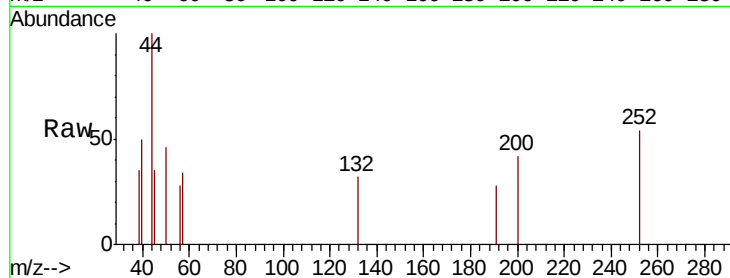




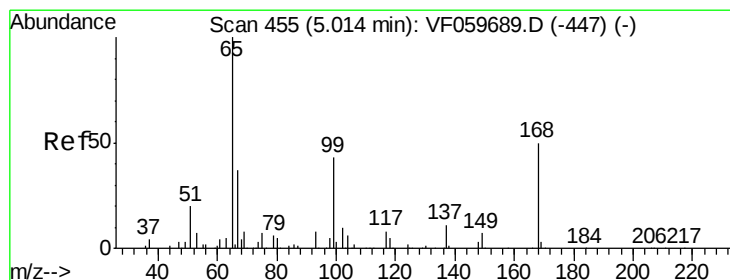
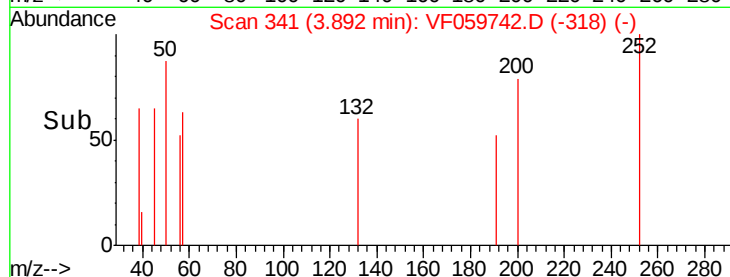
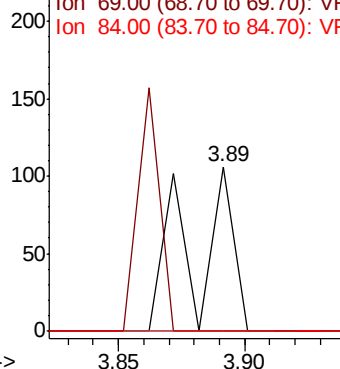
#31
Cyclohexane
Concen: Below Cal
RT: 3.89 min Scan# 341
Delta R.T. 0.03 min
Lab File: VF059742.D
Acq: 1 Aug 2018 8:17

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 123
Ion Ratio Lower Upper
56 100
69 0.0 23.7 35.5#
84 0.0 71.1 106.7#

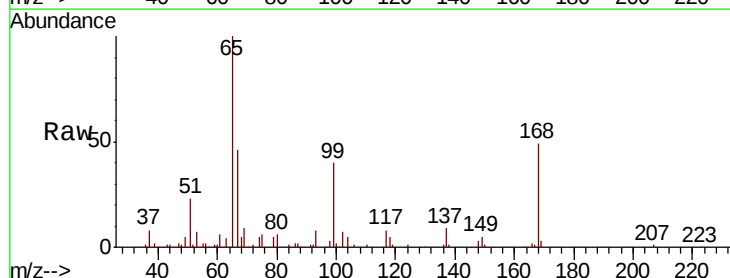


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

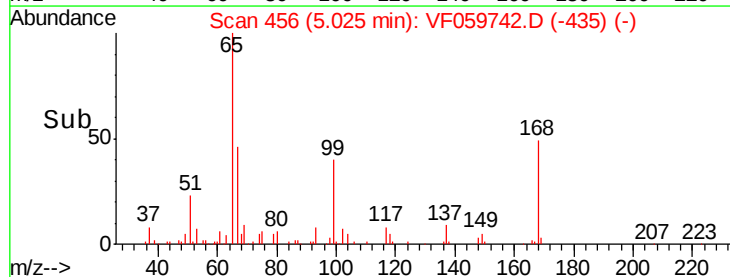
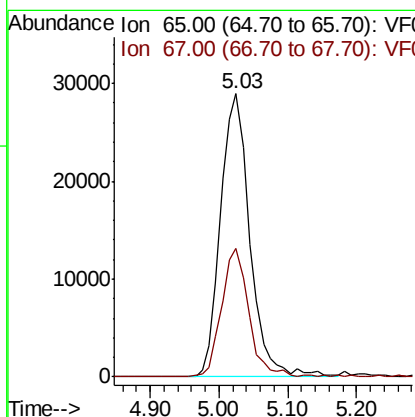


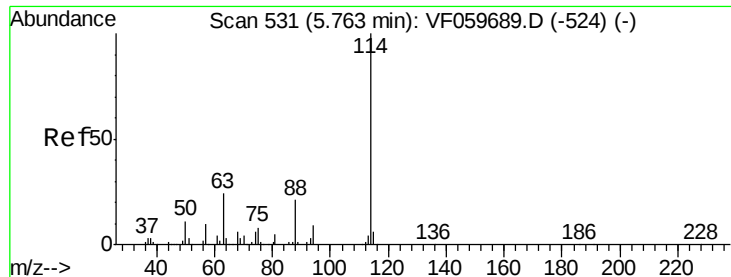
#33
1,2-Dichloroethane-d4
Concen: 66.858 ug/l
RT: 5.03 min Scan# 456
Delta R.T. 0.01 min
Lab File: VF059742.D
Acq: 1 Aug 2018 8:17

Tgt Ion: 65 Resp: 85489
Ion Ratio Lower Upper
65 100
67 45.6 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: 5.76 min Scan# 531

Delta R.T. 0.00 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

Instrument :
MSVOA_F
ClientSampleId :

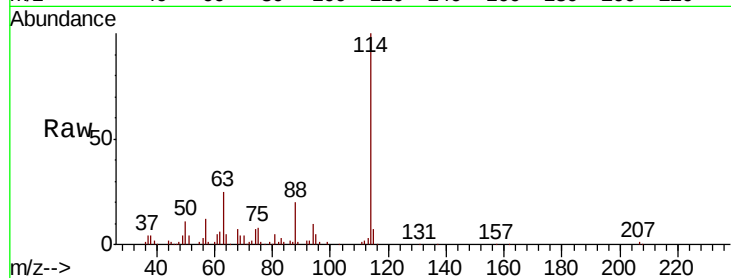
Tot Ion:114 Resp: 119024

Ion Ratio Lower Upper

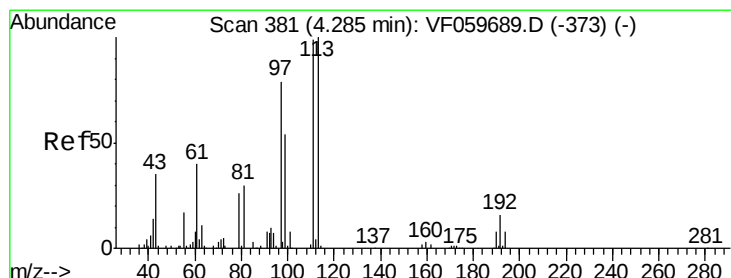
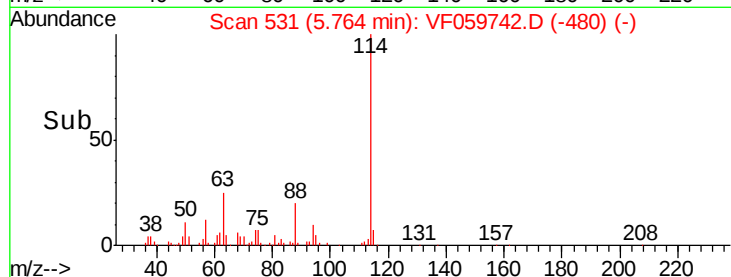
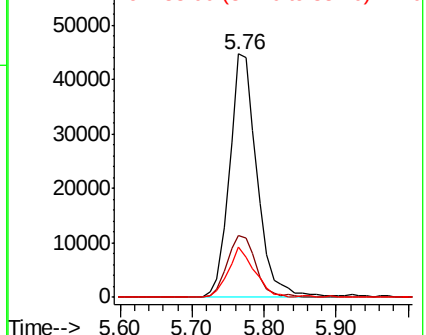
114 100

63 25.3 0.0 47.4

88 20.5 0.0 41.2



Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 60.350 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

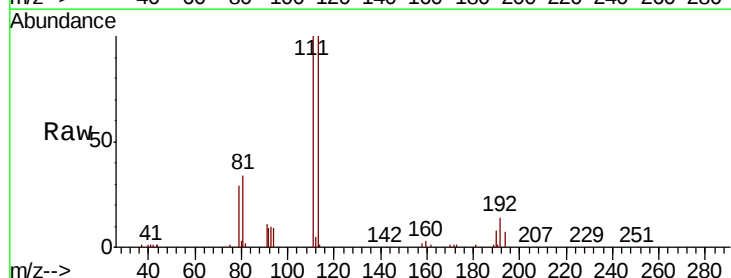
Tgt Ion:113 Resp: 74608

Ion Ratio Lower Upper

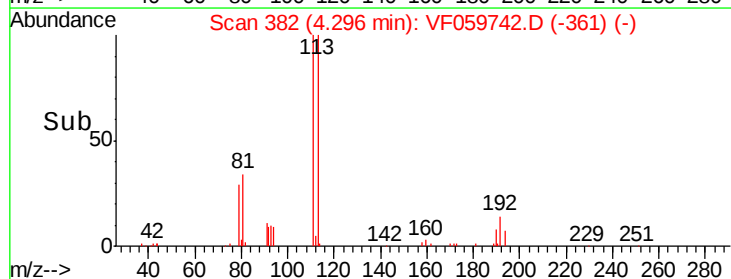
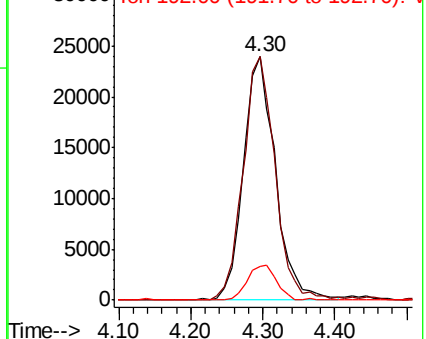
113 100

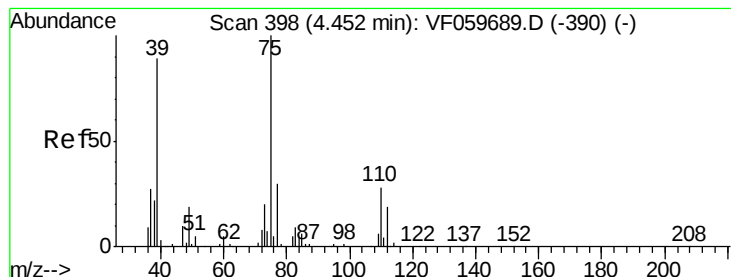
111 99.9 79.0 118.4

192 13.7 13.2 19.8



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





#36

1,1-Dichloropropene

Concen: Below Cal

RT: 4.46 min Scan# 399

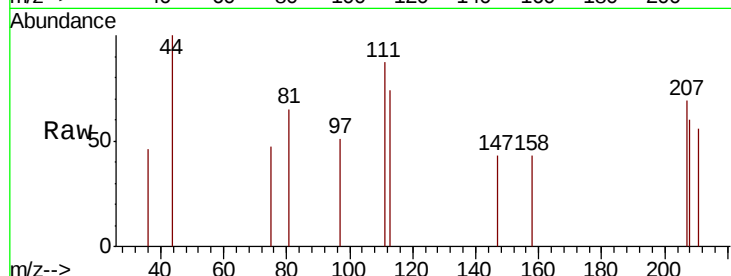
Delta R.T. 0.01 min

Lab File: VF059742.D

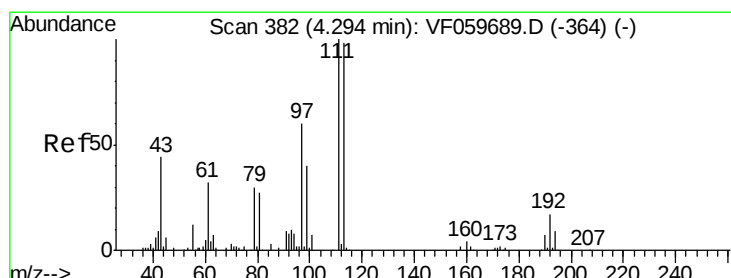
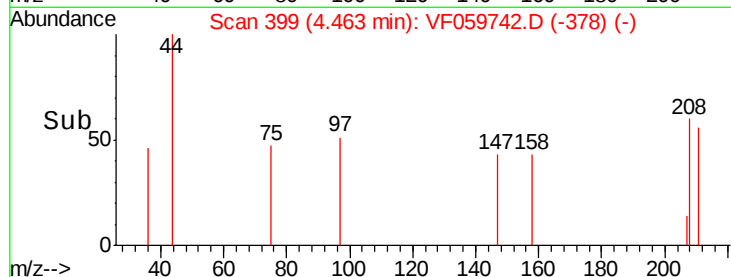
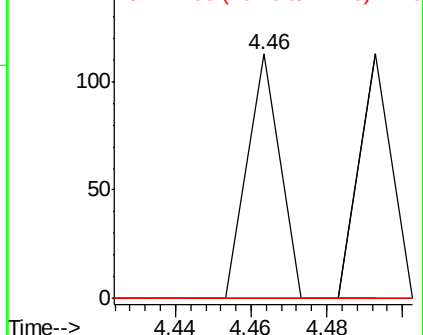
Acq: 1 Aug 2018 8:17

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 67
Ion Ratio Lower Upper
75 100
110 0.0 14.0 41.9#
77 0.0 24.2 36.2#



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



#37

Ethyl Acetate

Concen: Below Cal

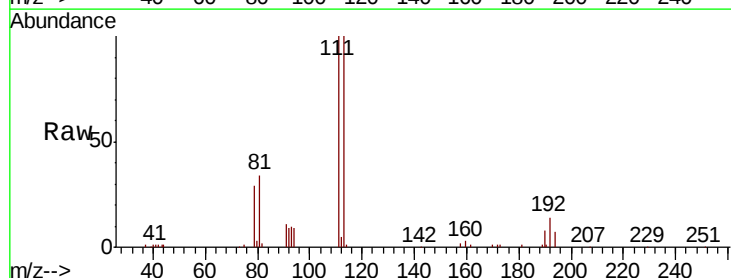
RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

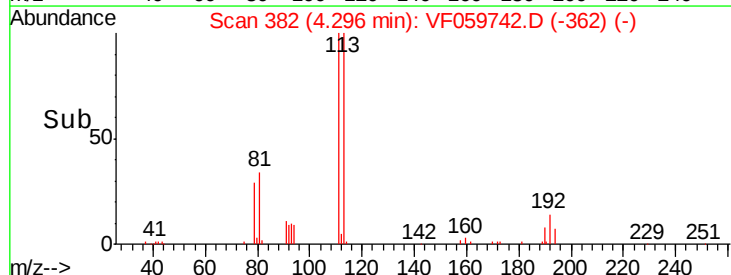
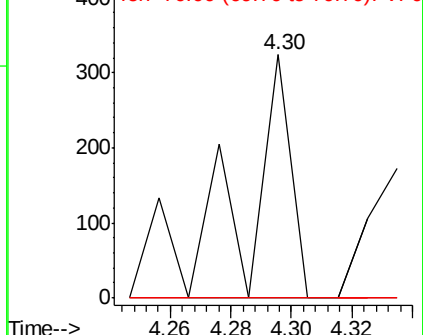
Lab File: VF059742.D

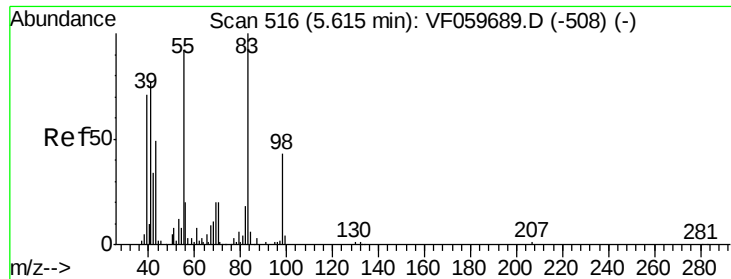
Acq: 1 Aug 2018 8:17

Tgt Ion: 43 Resp: 313
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

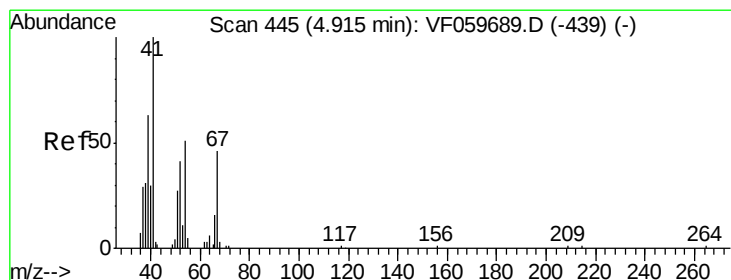
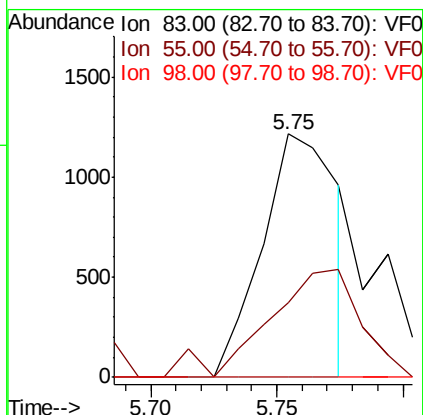
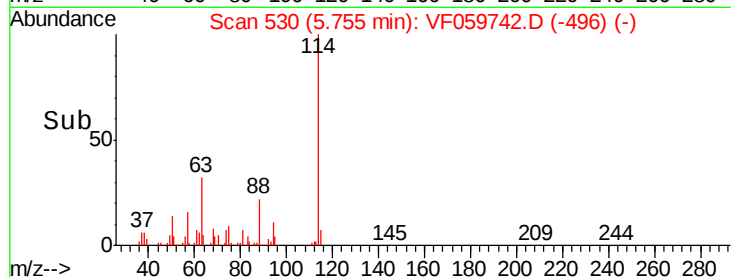
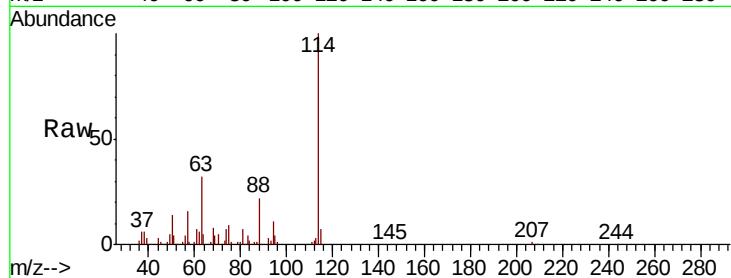




#39
Methylcyclohexane
Concen: Below Cal
RT: 5.75 min Scan# 530
Delta R.T. 0.14 min
Lab File: VF059742.D
Acq: 1 Aug 2018 8:17

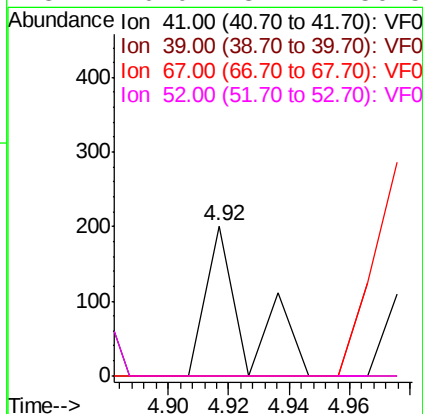
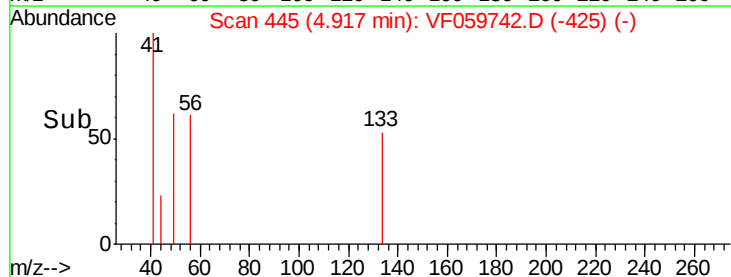
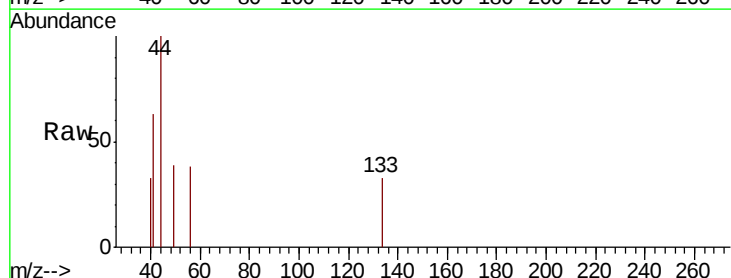
Instrument :
MSVOA_F
ClientSampleId :

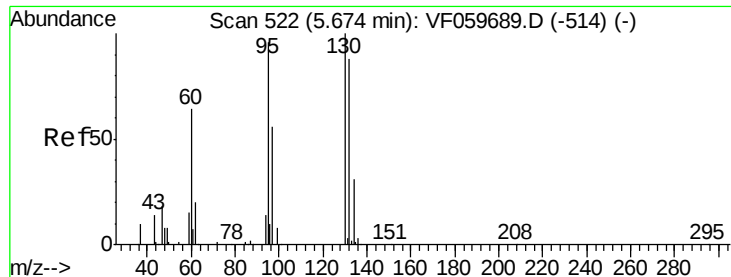
Tot Ion: 83 Resp: 2536
Ion Ratio Lower Upper
83 100
55 30.8 73.4 110.2#
98 0.0 34.2 51.4#



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059742.D
Acq: 1 Aug 2018 8:17

Tgt Ion: 41 Resp: 185
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#





#44

Trichloroethene

Concen: Below Cal

RT: 5.65 min Scan# 519

Delta R.T. -0.03 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

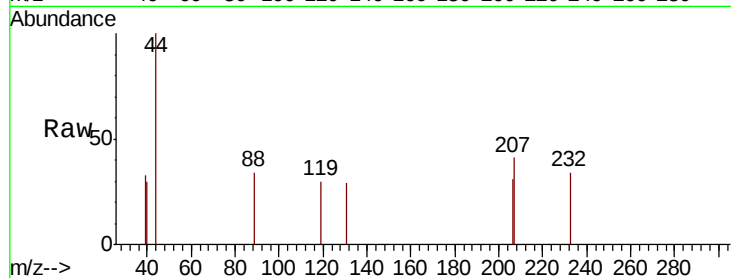
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:130 Resp: 60

Ion Ratio Lower Upper

130 100

95 0.0 0.0 191.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

5.65

100

80

60

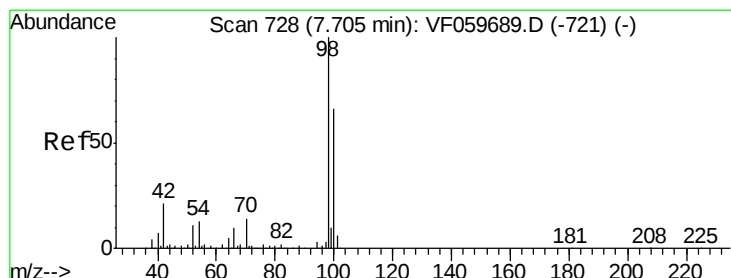
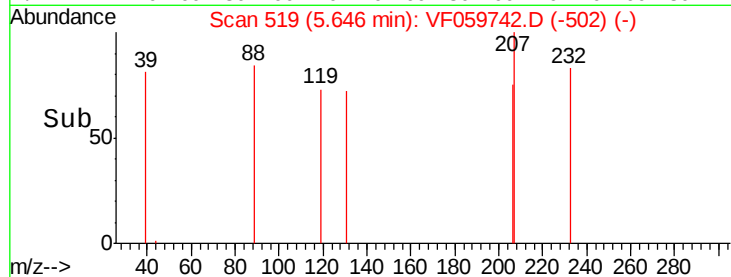
40

20

0

5.62 5.64 5.66 5.68

Time-->



#50

Toluene-d8

Concen: 29.545 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.01 min

Lab File: VF059742.D

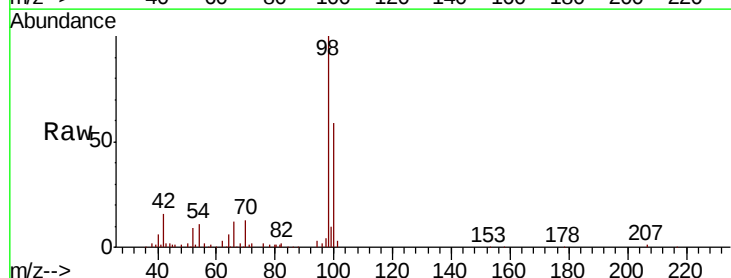
Acq: 1 Aug 2018 8:17

Tgt Ion: 98 Resp: 85173

Ion Ratio Lower Upper

98 100

100 59.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.72

40000

30000

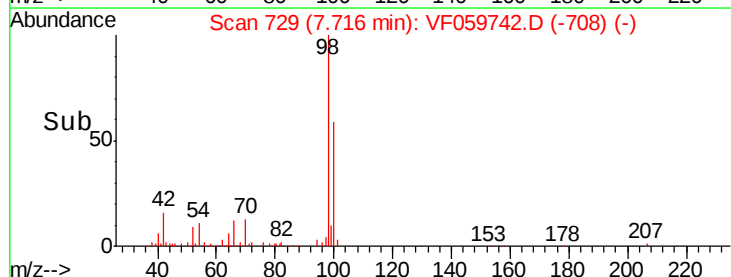
20000

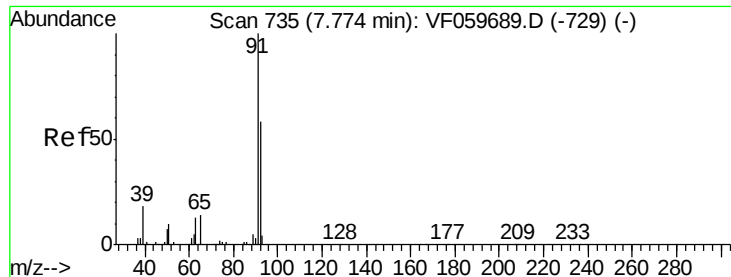
10000

0

7.60 7.70 7.80

Time-->





#52

Toluene

Concen: Below Cal

RT: 7.79 min Scan# 737

Delta R.T. 0.02 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

Instrument :

MSVOA_F

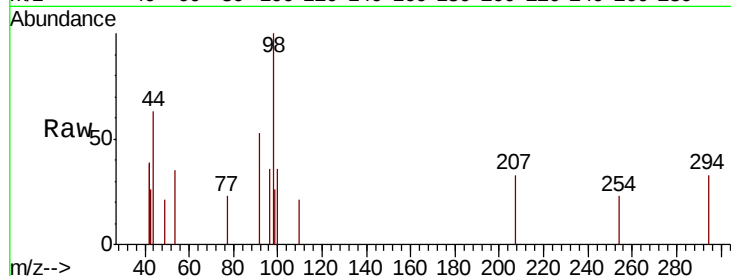
ClientSampleId :

Tot Ion: 92 Resp: 163

Ion Ratio Lower Upper

92 100

91 0.0 139.0 208.4#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

300

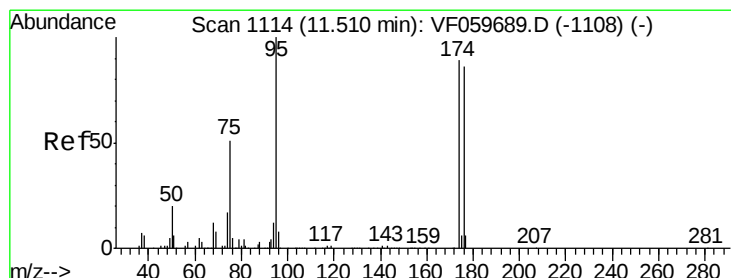
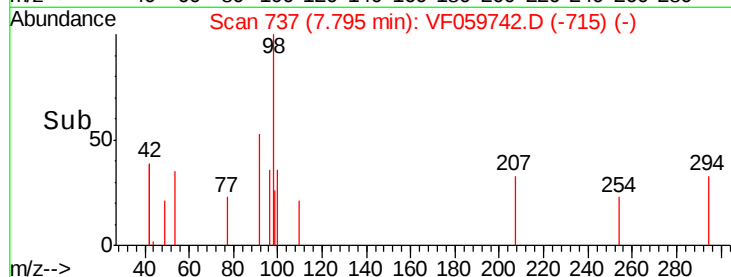
200

100

0

7.76 7.78 7.80 7.82

Time-->



#62

4-Bromofluorobenzene

Concen: 6.362 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

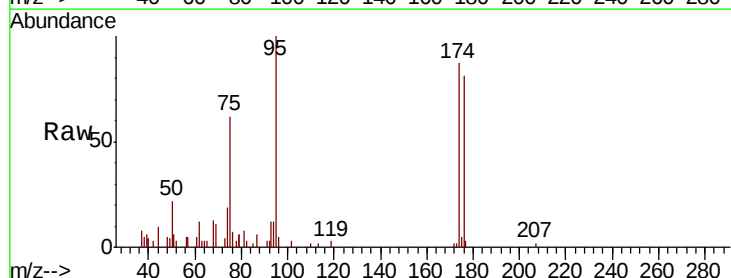
Tgt Ion: 95 Resp: 10154

Ion Ratio Lower Upper

95 100

174 87.1 0.0 178.4

176 81.0 0.0 173.0



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

8000

6000

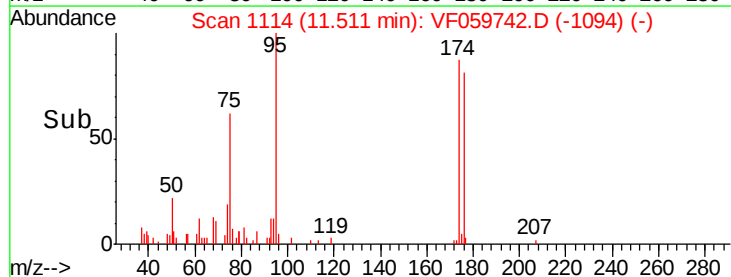
4000

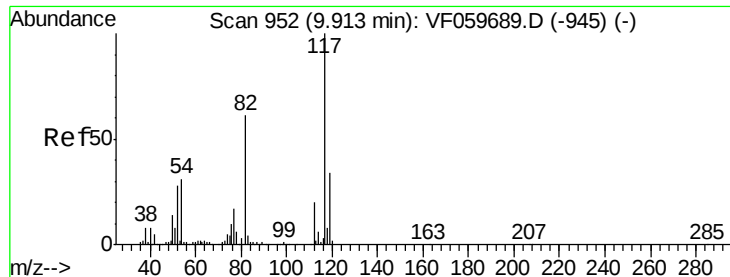
2000

0

11.40 11.50 11.60

Time-->

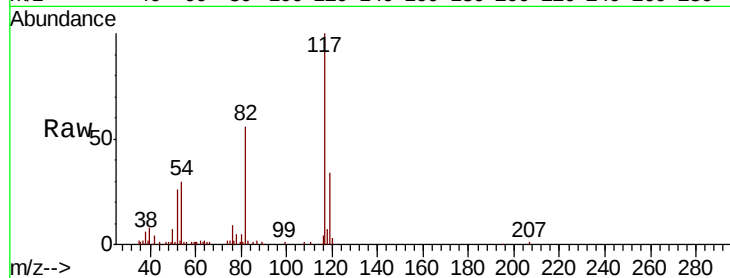




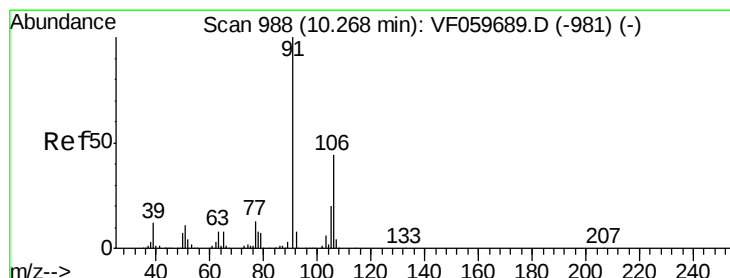
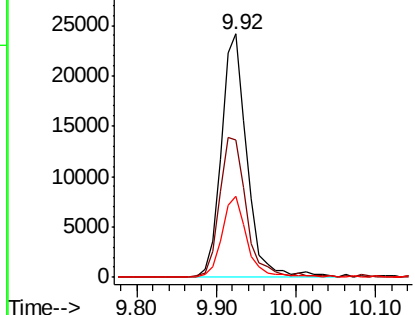
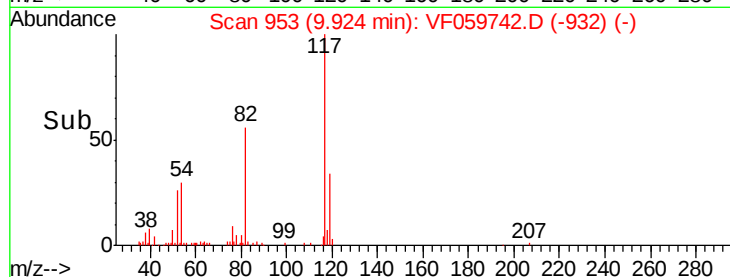
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF059742.D
Acq: 1 Aug 2018 8:17

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 54961
Ion Ratio Lower Upper
117 100
82 56.2 49.0 73.4
119 33.5 27.3 40.9

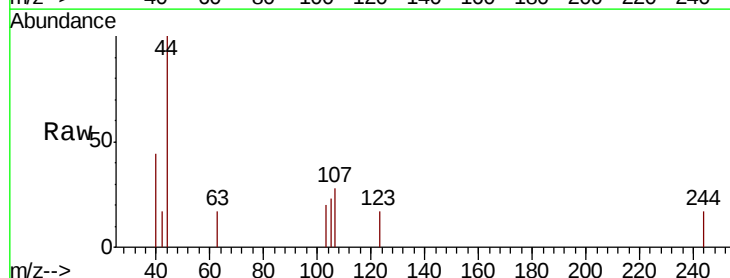


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

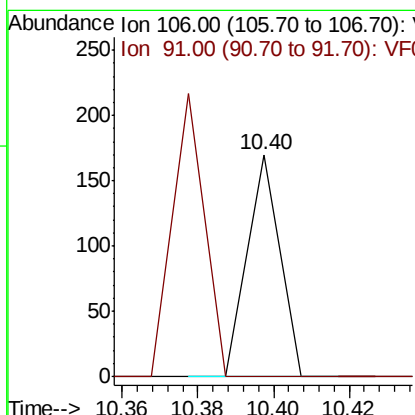
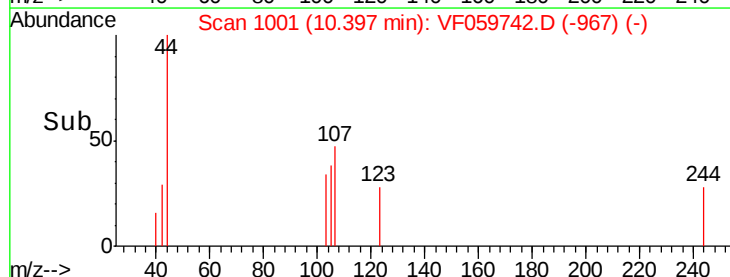


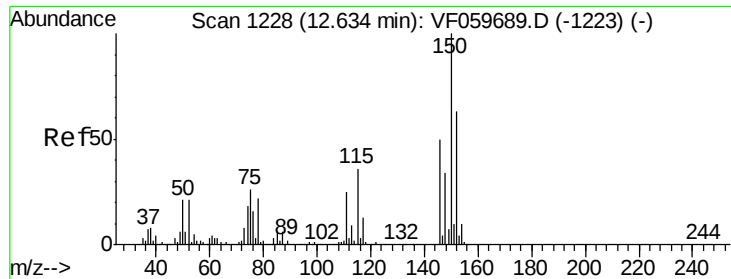
#68
m/p-Xylenes
Concen: Below Cal
RT: 10.40 min Scan# 1001
Delta R.T. 0.13 min
Lab File: VF059742.D
Acq: 1 Aug 2018 8:17

Tgt Ion:106 Resp: 101
Ion Ratio Lower Upper
106 100
91 0.0 181.7 272.5#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

Instrument :

MSVOA_F

ClientSampleId :

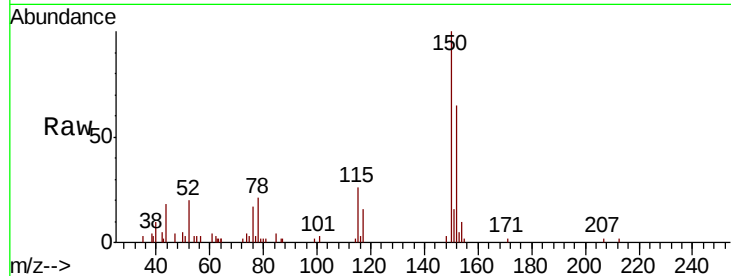
Tot Ion:152 Resp: 6035

Ion Ratio Lower Upper

152 100

115 39.1 28.2 84.6

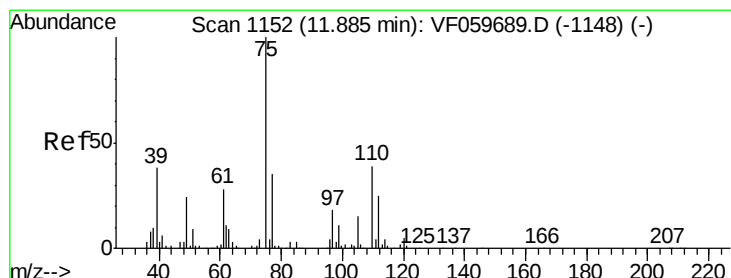
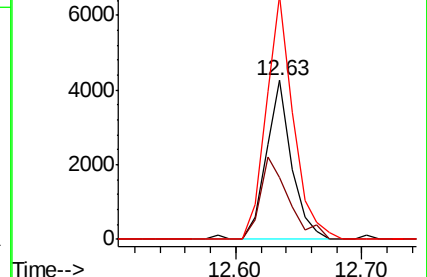
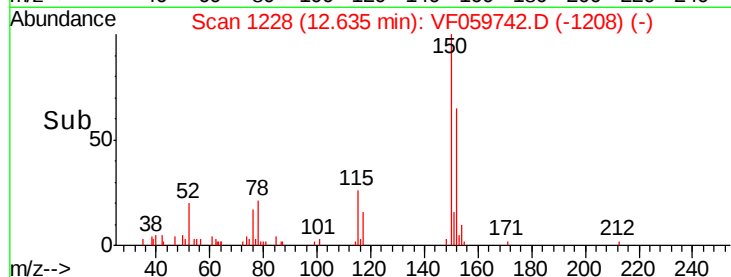
150 153.1 0.0 316.2



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



#76

1,2,3-Trichloropropane

Concen: 1.246 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. 0.11 min

Lab File: VF059742.D

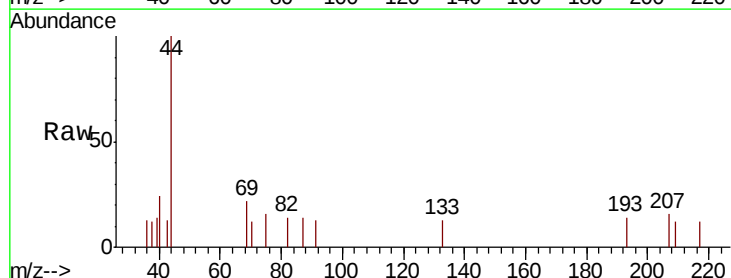
Acq: 1 Aug 2018 8:17

Tgt Ion: 75 Resp: 79

Ion Ratio Lower Upper

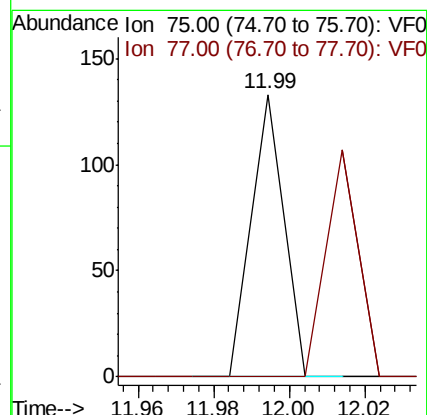
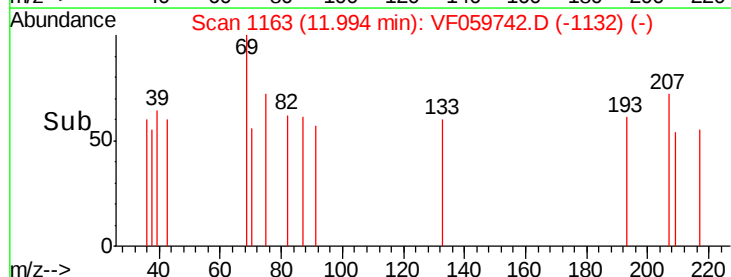
75 100

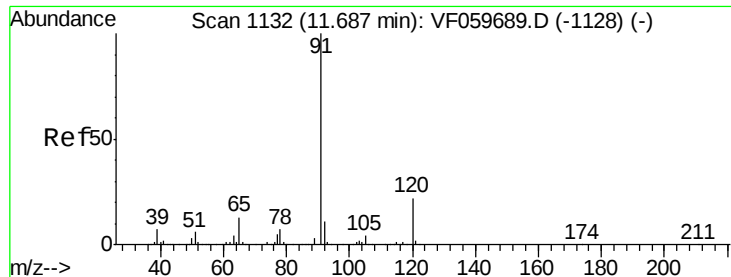
77 0.0 18.0 54.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#78

n-propylbenzene

Concen: Below Cal

RT: 11.70 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

Instrument :

MSVOA_F

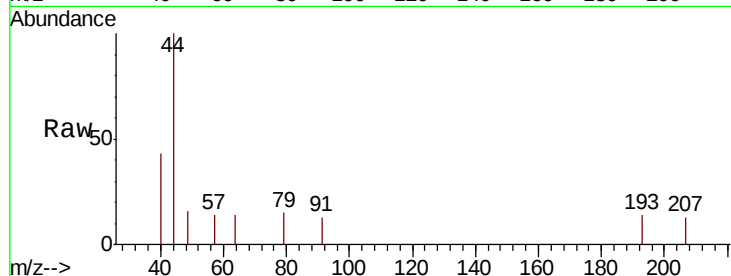
ClientSampleId :

Tot Ion: 91 Resp: 62

Ion Ratio Lower Upper

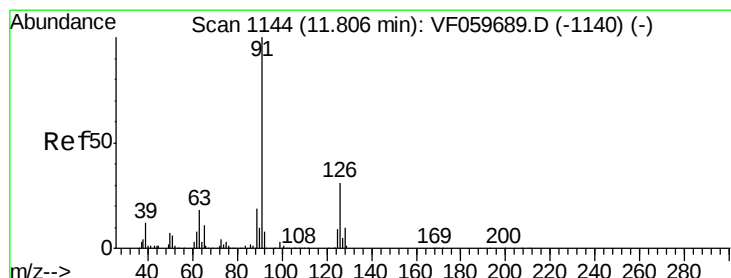
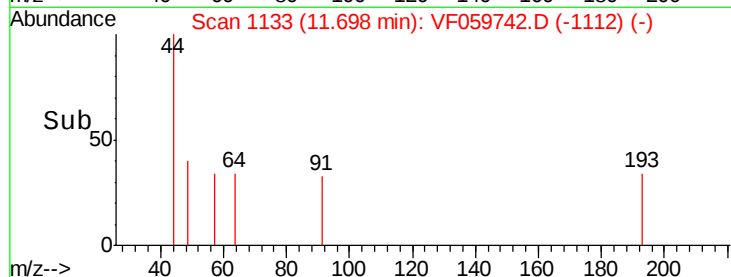
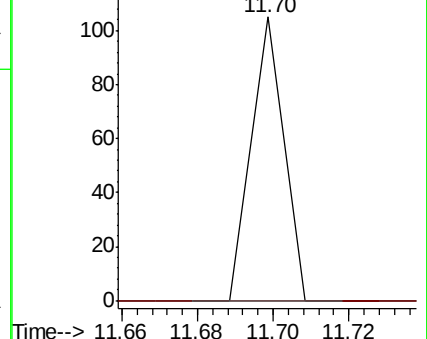
91 100

120 0.0 11.0 33.0#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059742.D

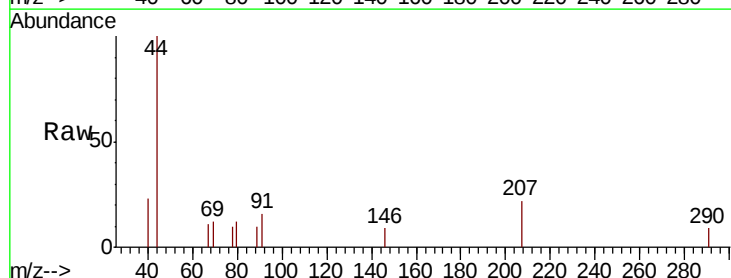
Acq: 1 Aug 2018 8:17

Tgt Ion: 91 Resp: 193

Ion Ratio Lower Upper

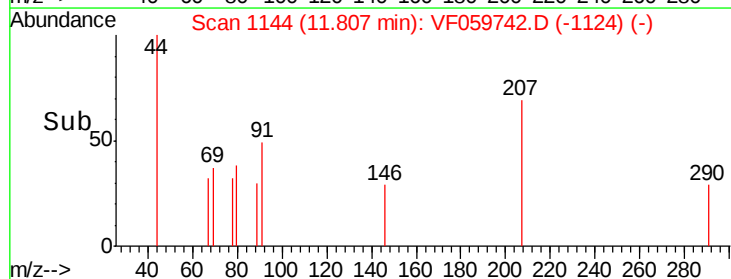
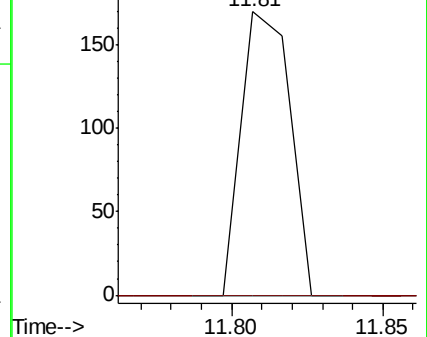
91 100

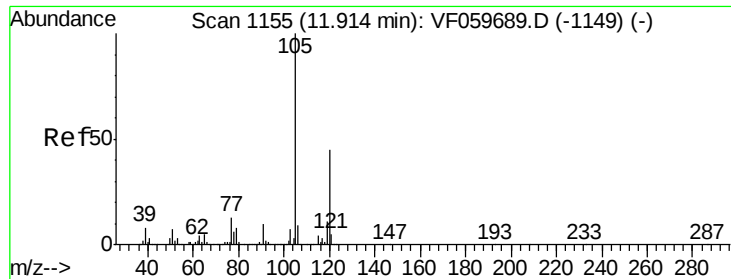
126 0.0 15.4 46.2#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 11.84 min Scan# 1147

Delta R.T. -0.08 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

Instrument :

MSVOA_F

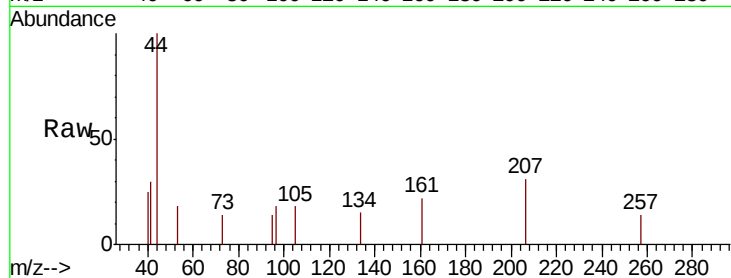
ClientSampled :

Tot Ion:105 Resp: 78

Ion Ratio Lower Upper

105 100

120 0.0 22.7 68.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

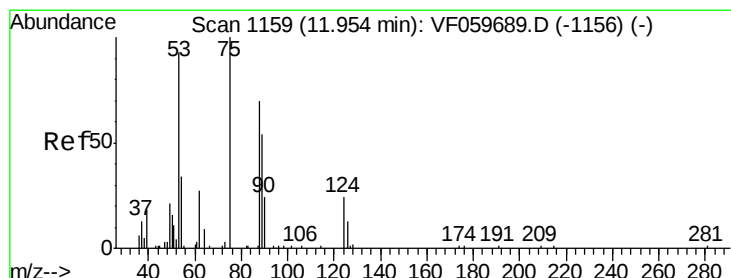
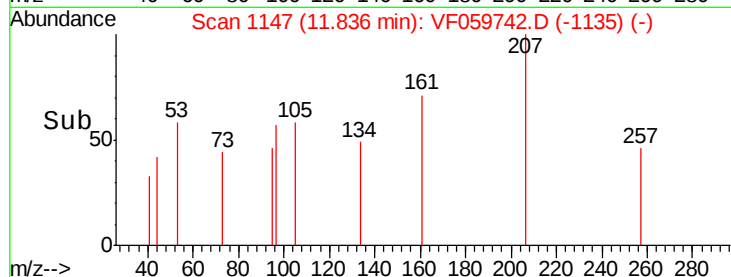
11.84

100

50

0

Time--> 11.80 11.82 11.84 11.86



#81

trans-1,4-Dichloro-2-butene

Concen: 3.010 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. 0.04 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

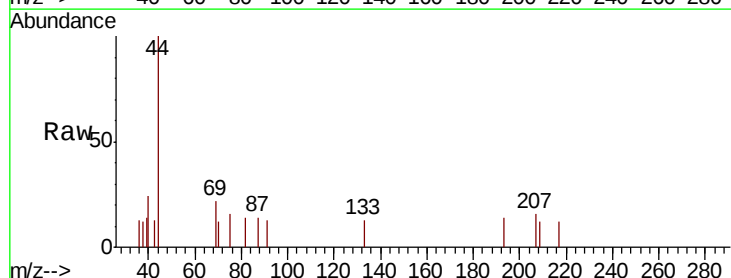
Tgt Ion: 75 Resp: 79

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

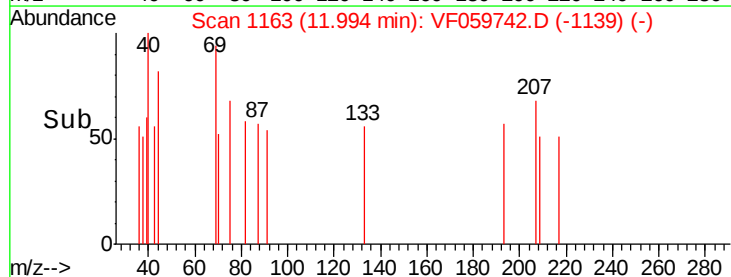
11.99

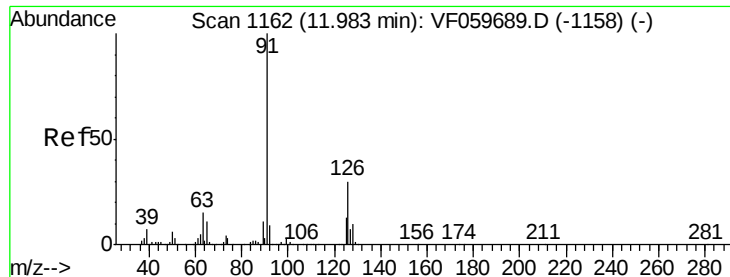
100

50

0

Time--> 11.96 11.98 12.00 12.02





#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

Instrument :

MSVOA_F

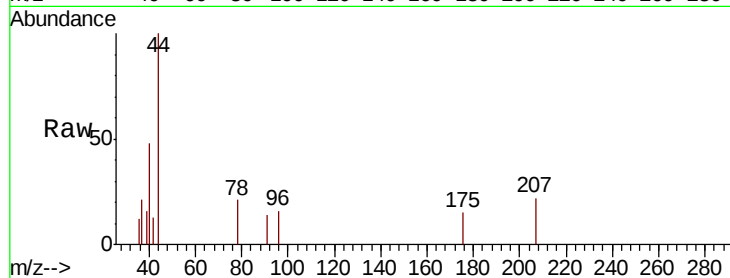
ClientSampled :

Tot Ion: 91 Resp: 141

Ion Ratio Lower Upper

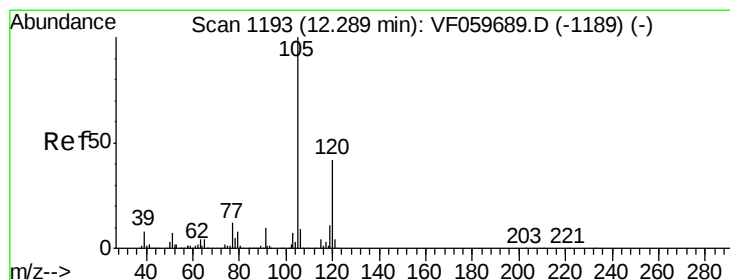
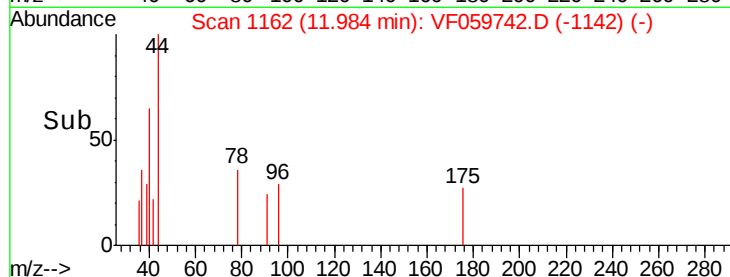
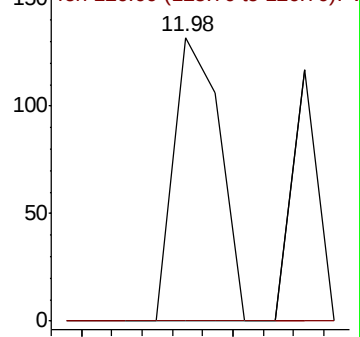
91 100

126 0.0 15.2 45.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#84

1,2,4-Trimethylbenzene

Concen: Below Cal

RT: 12.29 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VF059742.D

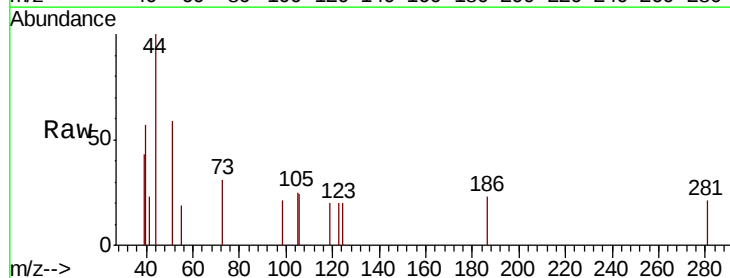
Acq: 1 Aug 2018 8:17

Tgt Ion: 105 Resp: 76

Ion Ratio Lower Upper

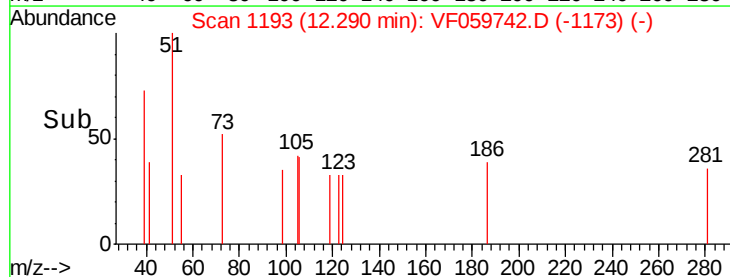
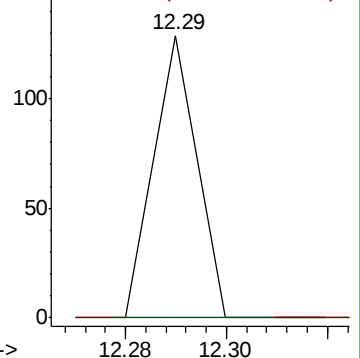
105 100

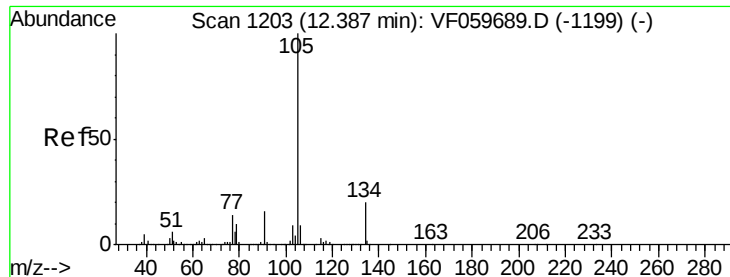
120 0.0 21.1 63.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: Below Cal

RT: 12.29 min Scan# 1193

Delta R.T. -0.10 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

Instrument :

MSVOA_F

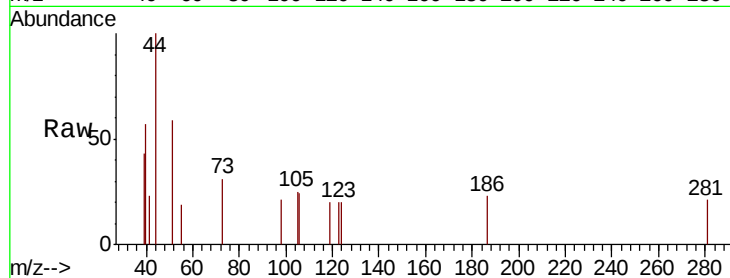
ClientSampled :

Tot Ion:105 Resp: 76

Ion Ratio Lower Upper

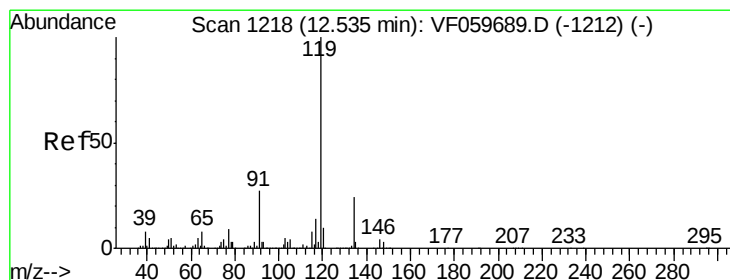
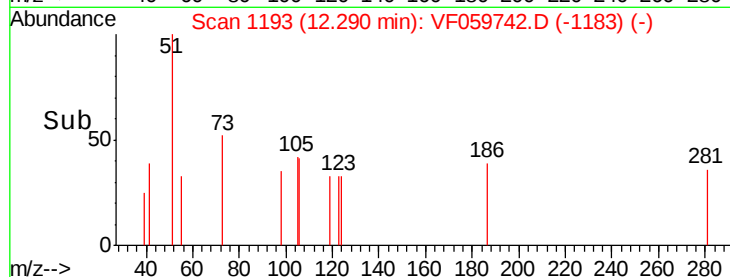
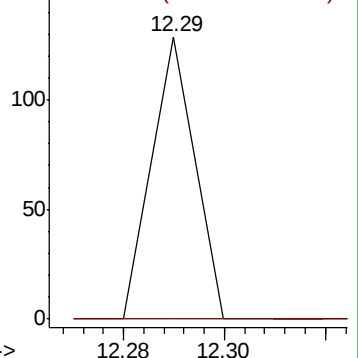
105 100

134 0.0 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: Below Cal

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

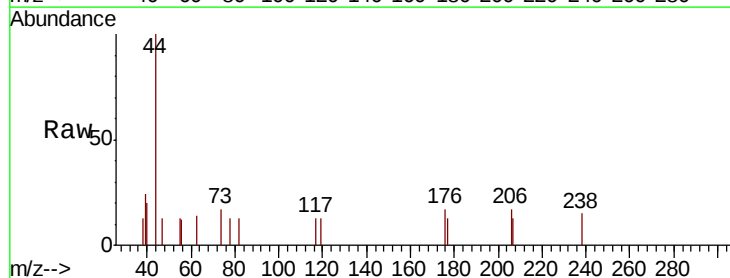
Tgt Ion:119 Resp: 62

Ion Ratio Lower Upper

119 100

134 0.0 12.2 36.6#

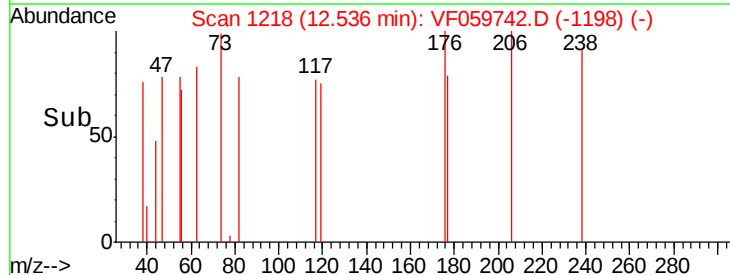
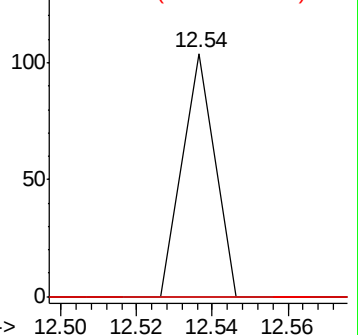
91 0.0 13.4 40.2#

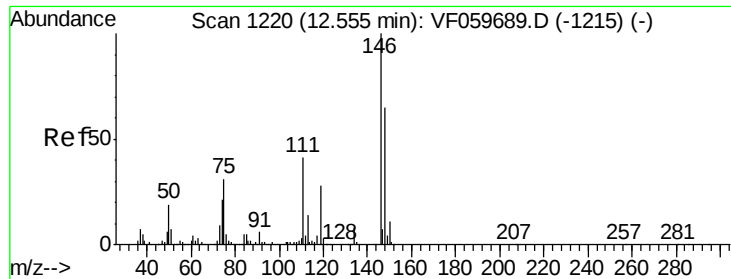


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.56 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VF059742.D

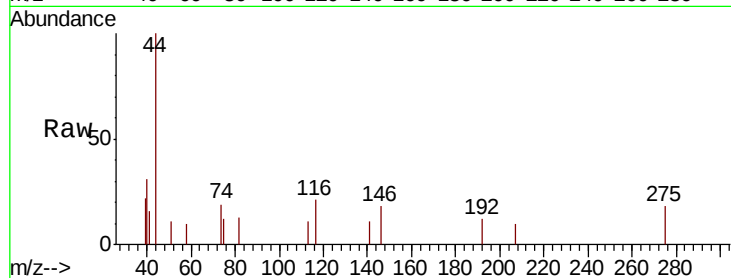
Acq: 1 Aug 2018 8:17

Instrument :

MSVOA_F

ClientSampleId :

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



Abundance

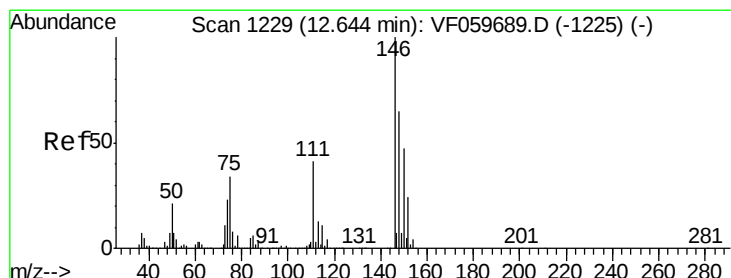
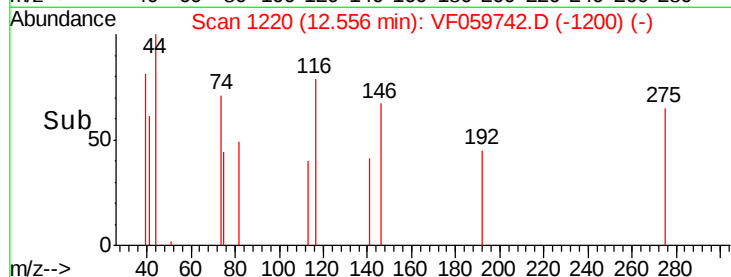
Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

12.56

Time-->



#88

1,4-Dichlorobenzene

Concen: Below Cal

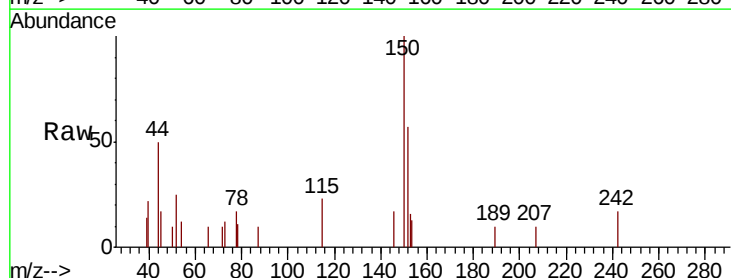
RT: 12.65 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.8	62.2#
148	0.0	32.3	96.9#



Abundance

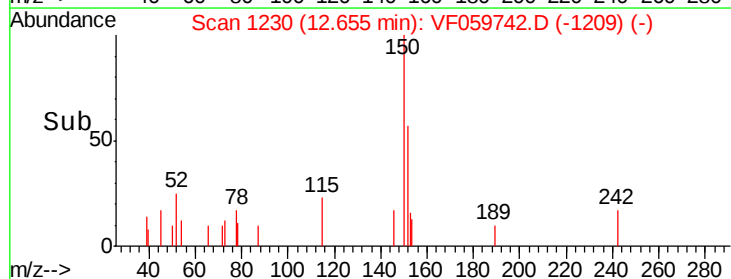
Ion 146.00 (145.70 to 146.70): V

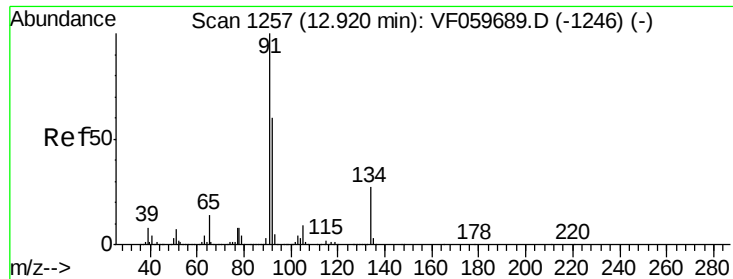
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

12.65

Time-->





#89

n-Butylbenzene

Concen: Below Cal

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059742.D

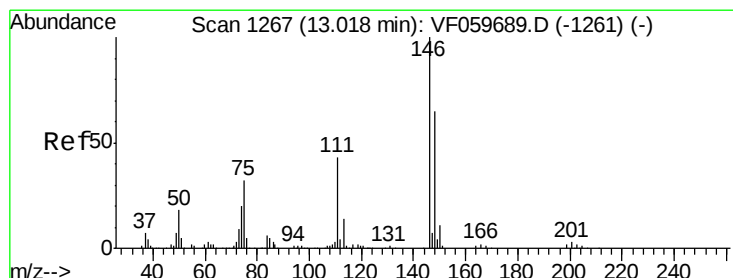
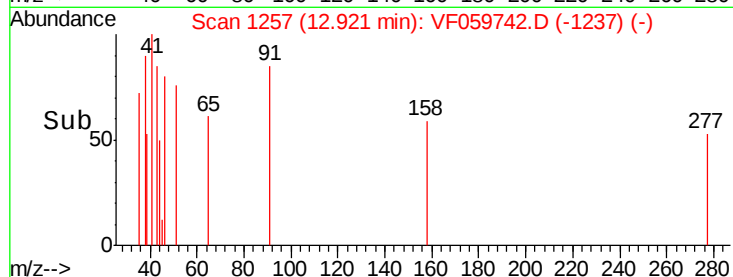
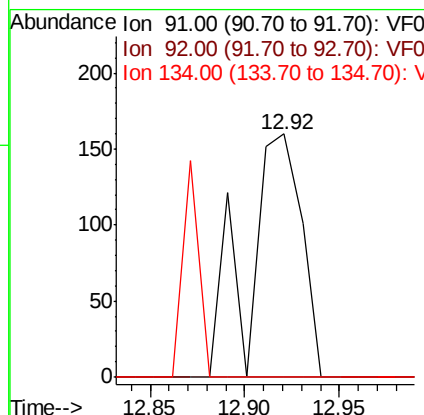
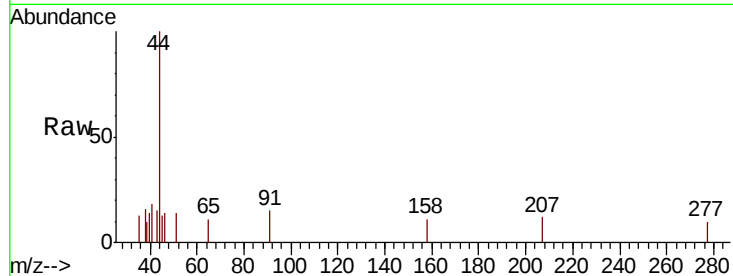
Acq: 1 Aug 2018 8:17

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:	91	Resp:	316
Ion	Ratio	Lower	Upper
91	100		
92	0.0	30.1	90.3#
134	0.0	13.7	41.0#



#91

1,2-Dichlorobenzene

Concen: Below Cal

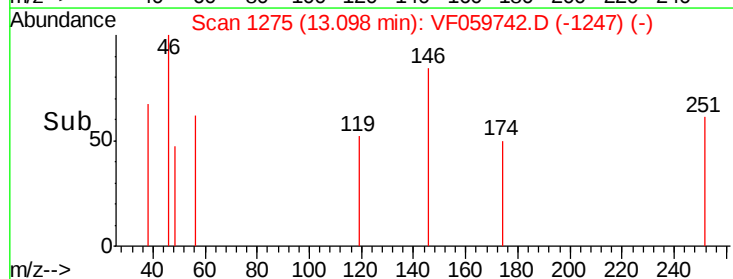
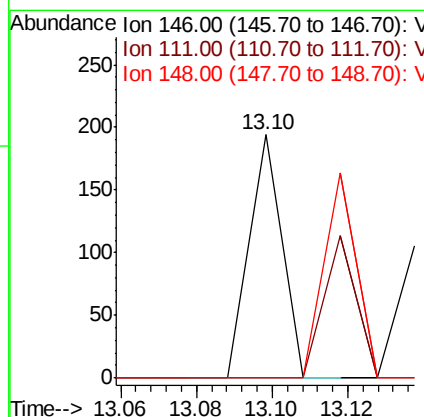
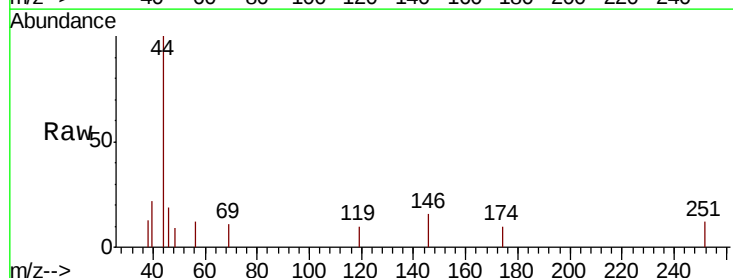
RT: 13.10 min Scan# 1275

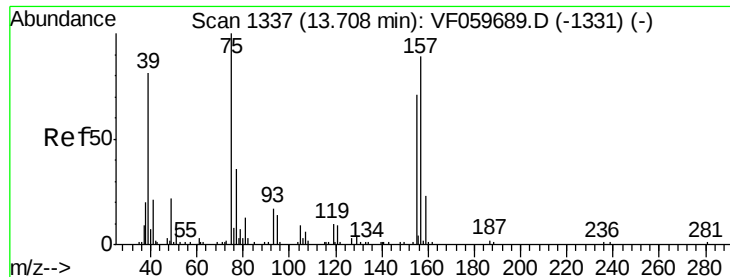
Delta R.T. 0.08 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

Tgt Ion:	146	Resp:	115
Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.6	65.0#
148	0.0	32.3	96.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.622 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

Instrument :

MSVOA_F

ClientSampleId :

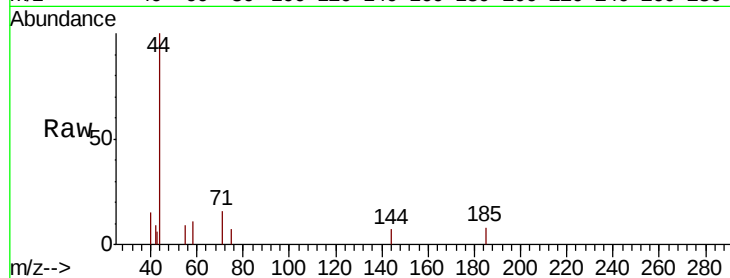
Tot Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

155 0.0 35.4 106.2#

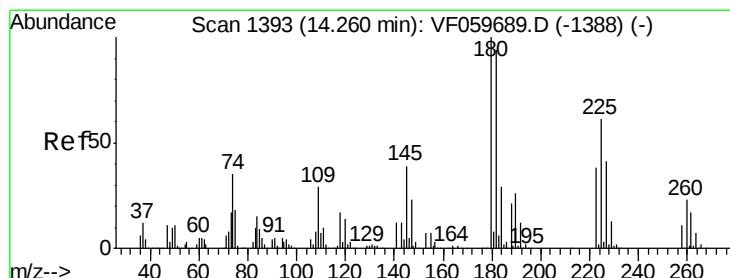
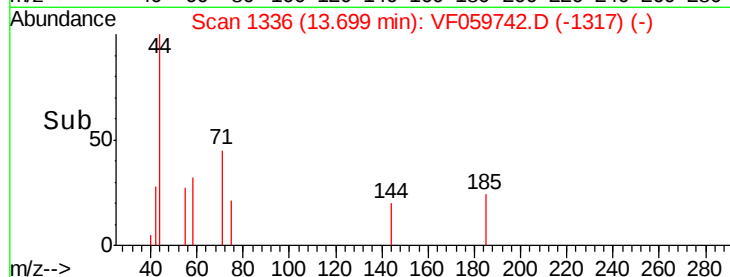
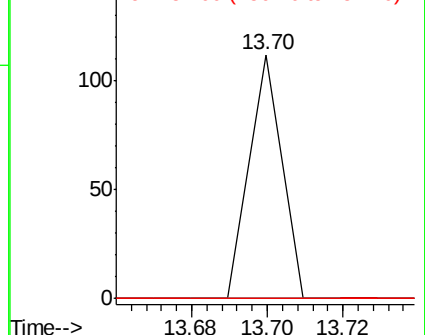
157 0.0 44.4 133.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



#93

1,2,4-Trichlorobenzene

Concen: Below Cal

RT: 14.27 min Scan# 1394

Delta R.T. 0.01 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

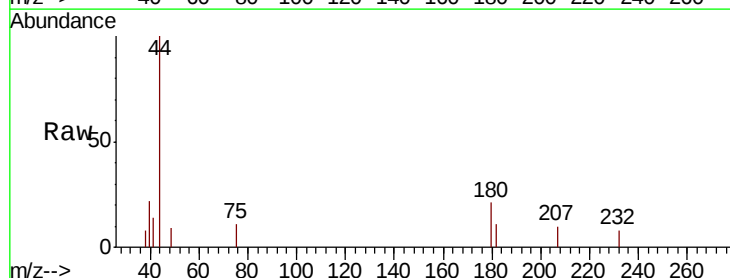
Tgt Ion: 180 Resp: 396

Ion Ratio Lower Upper

180 100

182 52.1 47.2 141.6

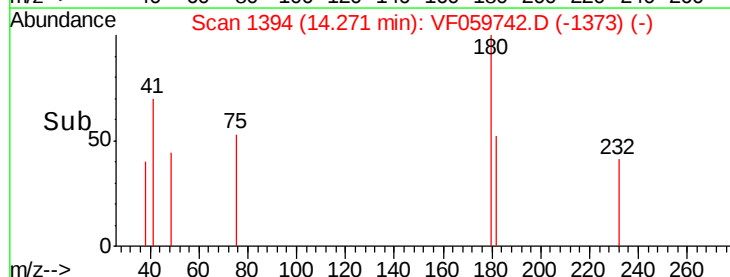
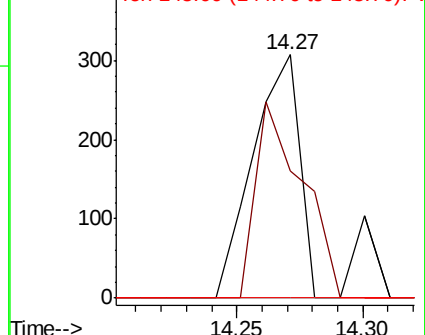
145 0.0 19.3 57.9#

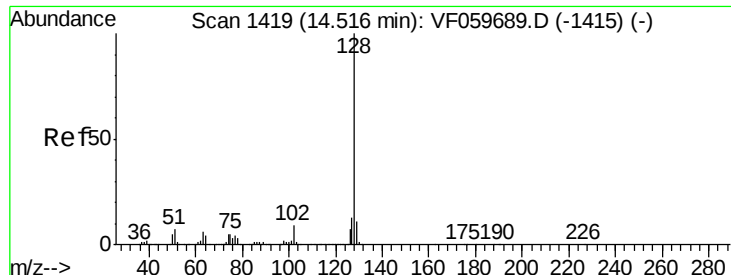


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#95
Naphthalene
Concen: 3.797 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.01 min
Lab File: VF059742.D
Acq: 1 Aug 2018 8:17

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.0	15.0#
129	16.2	8.6	13.0#

