

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059720.D
 Acq On : 31 Jul 2018 20:16
 Operator : VA/AP
 Sample : J4140-09RE
 Misc : 6.31a/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 01 07:34:02 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	156472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	242732	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	172736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	47046	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	161905	57.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.14%	
35) Dibromofluoromethane	4.29	113	130190	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	7.70	98	216960	36.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.80%	
62) 4-Bromofluorobenzene	11.50	95	64866	19.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	158	Below Cal	#	44
3) Chloromethane	1.10	50	649	Below Cal	#	38
4) Vinyl Chloride	1.17	62	63	Below Cal	#	47
5) Bromomethane	1.34	94	706	Below Cal	#	4
6) Chloroethane	1.41	64	235	Below Cal	#	85
10) Methyl Iodide	1.94	142	60	Below Cal	#	20
11) Tert butyl alcohol	2.68	59	907	6.578 ug/l	#	57
13) Acrolein	1.97	56	102	17.672 ug/l		100
15) Acrylonitrile	3.06	53	327	1.862 ug/l	#	36
16) Acetone	2.34	43	40657	80.379 ug/l		100
17) Carbon Disulfide	1.87	76	827	Below Cal	#	71
18) Methyl Acetate	2.46	43	2388	Below Cal	#	64
20) Methylene Chloride	2.28	84	1535	Below Cal	#	68
21) trans-1,2-Dichloroethene	2.41	96	338	Below Cal	#	1
28) Bromochloromethane	3.83	49	96	Below Cal	#	15
31) Cyclohexane	3.98	56	106	Below Cal	#	15
36) 1,1-Dichloropropene	4.46	75	98	Below Cal	#	46
37) Ethyl Acetate	4.27	43	64	Below Cal	#	19
39) Methylcyclohexane	5.76	83	4478	Below Cal	#	33
41) Methacrylonitrile	4.92	41	248	Below Cal	#	24
49) 1,4-Dioxane	6.69	88	69	Below Cal	#	21
52) Toluene	7.78	92	85	Below Cal	#	47
64) Tetrachloroethene	8.15	164	66	Below Cal	#	1
78) n-propylbenzene	11.68	91	261	Below Cal	#	1
79) 2-Chlorotoluene	11.82	91	61	Below Cal	#	1
80) 1,3,5-Trimethylbenzene	11.93	105	81	Below Cal	#	31
82) 4-Chlorotoluene	11.98	91	228	Below Cal	#	62
84) 1,2,4-Trimethylbenzene	12.28	105	484	Below Cal	#	33
85) sec-Butylbenzene	12.37	105	86	Below Cal	#	57
86) p-Isopropyltoluene	12.55	119	90	Below Cal	#	49
87) 1,3-Dichlorobenzene	12.56	146	237	Below Cal	#	24
88) 1,4-Dichlorobenzene	12.64	146	235	Below Cal	#	10
89) n-Butylbenzene	12.92	91	210	Below Cal	#	1
91) 1,2-Dichlorobenzene	13.02	146	150	Below Cal	#	24

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ALS Vial : 100 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Aug 01 07:34:02 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

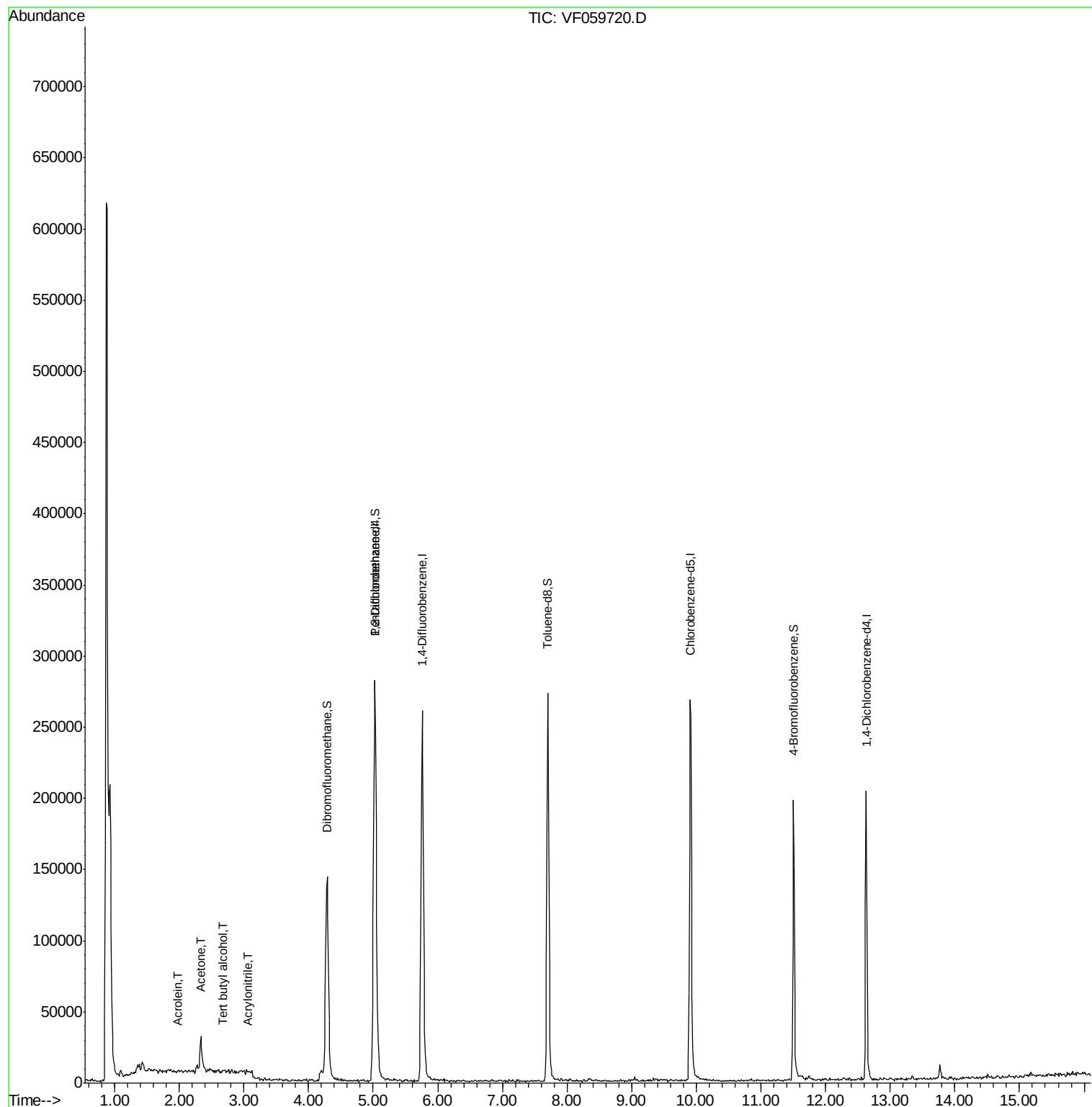
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	286	Below Cal	#	50

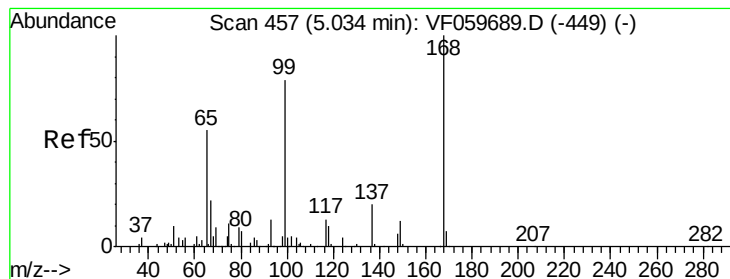
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF073118\
Data File : VF059720.D
Acq On : 31 Jul 2018 20:16
Operator : VA/AP
Sample : J4140-09RE
Misc : 6.31a/5mL/MSVOA F/SOIL
ALS Vial : 100 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Aug 01 07:34:02 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059720.D

Acq: 31 Jul 2018 20:16

Instrument :

MSVOA_F

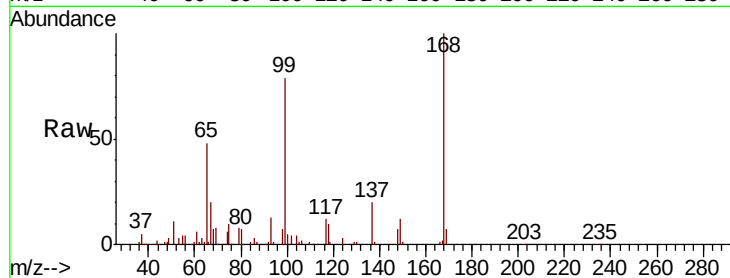
ClientSampleId :

Tot Ion:168 Resp: 156472

Ion Ratio Lower Upper

168 100

99 78.8 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

50000

40000

30000

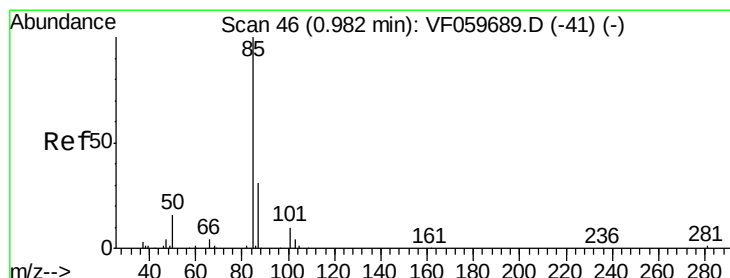
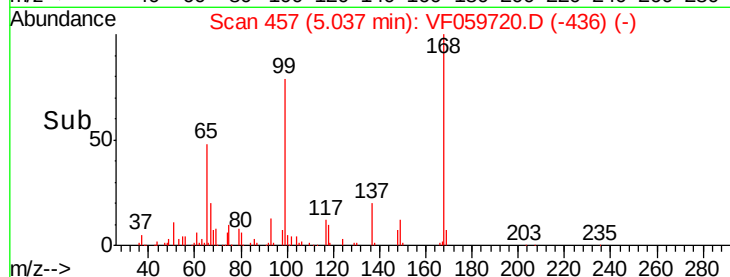
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.00 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF059720.D

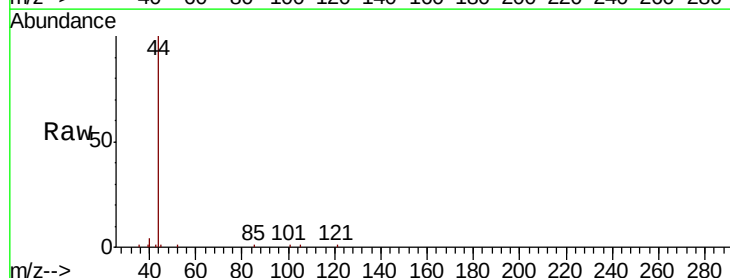
Acq: 31 Jul 2018 20:16

Tgt Ion: 85 Resp: 158

Ion Ratio Lower Upper

85 100

87 0.0 15.3 45.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

150

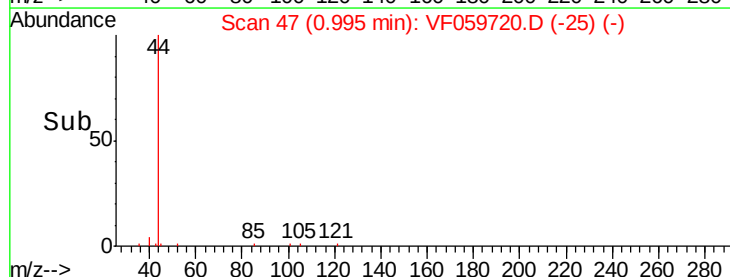
100

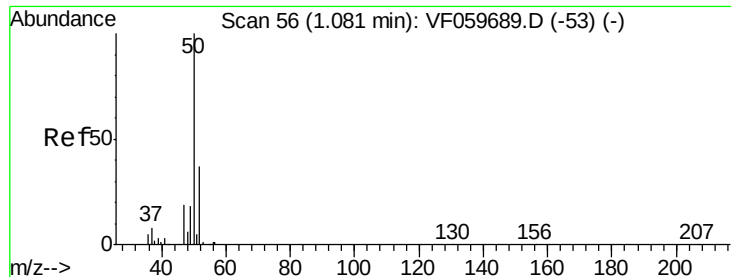
50

0

Time-->

0.96 0.98 1.00 1.02 1.04





#3

Chloromethane

Concen: Below Cal

RT: 1.10 min Scan# 58

Delta R.T. 0.02 min

Lab File: VF059720.D

Acq: 31 Jul 2018 20:16

Instrument :

MSVOA_F

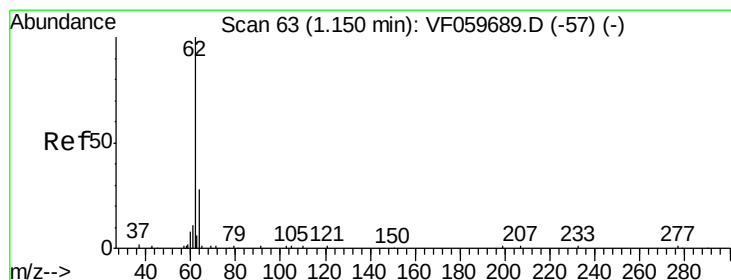
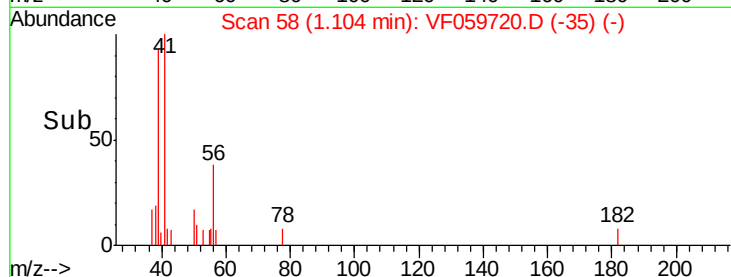
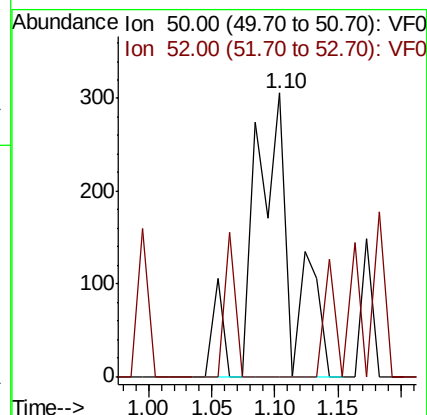
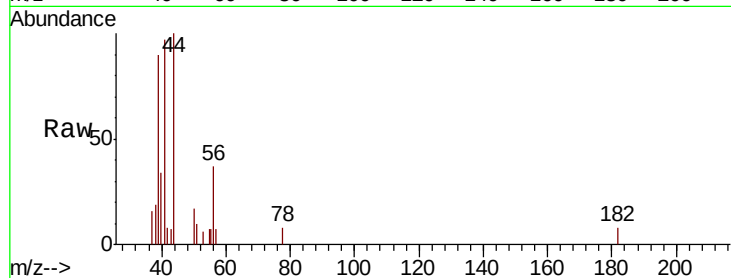
ClientSampleId :

Tot Ion: 50 Resp: 649

Ion Ratio Lower Upper

50 100

52 0.0 29.1 43.7#



#4

Vinyl Chloride

Concen: Below Cal

RT: 1.17 min Scan# 65

Delta R.T. 0.02 min

Lab File: VF059720.D

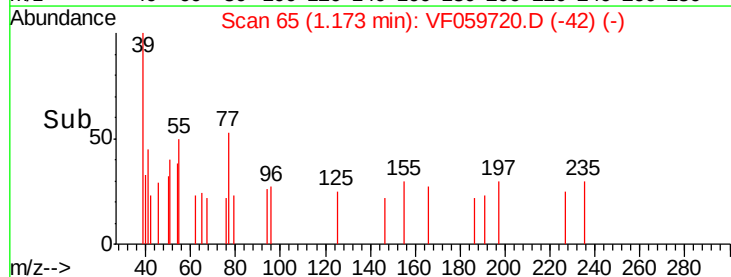
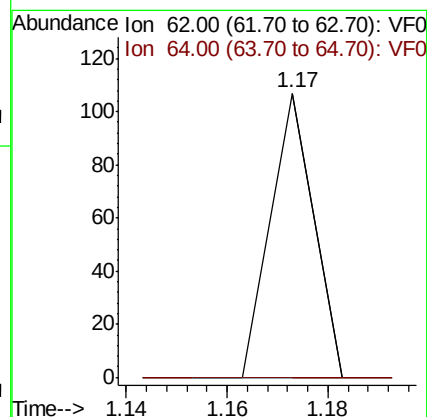
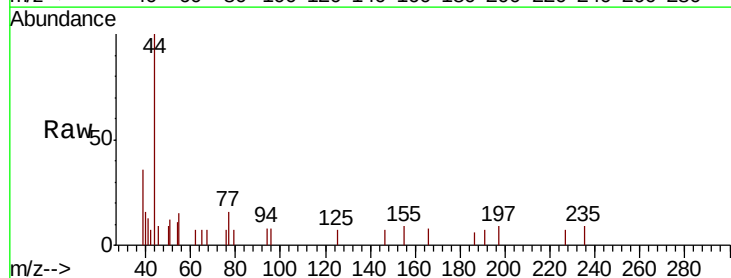
Acq: 31 Jul 2018 20:16

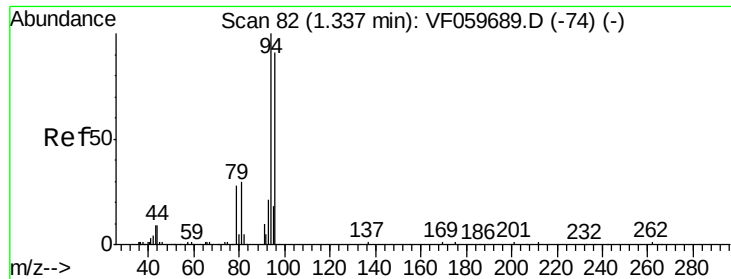
Tgt Ion: 62 Resp: 63

Ion Ratio Lower Upper

62 100

64 0.0 22.6 33.8#





#5

Bromomethane

Concen: Below Cal

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059720.D

Acq: 31 Jul 2018 20:16

Instrument :

MSVOA_F

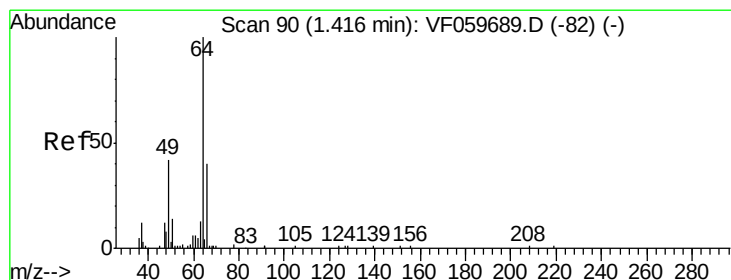
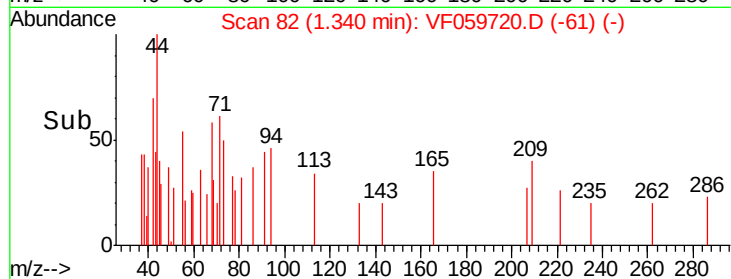
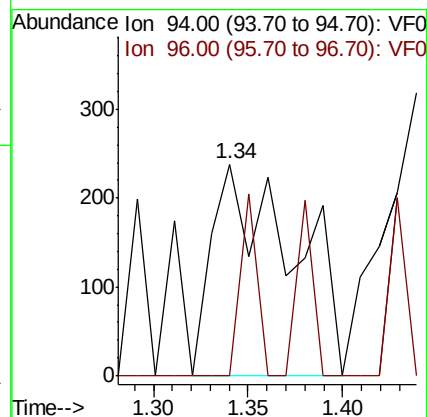
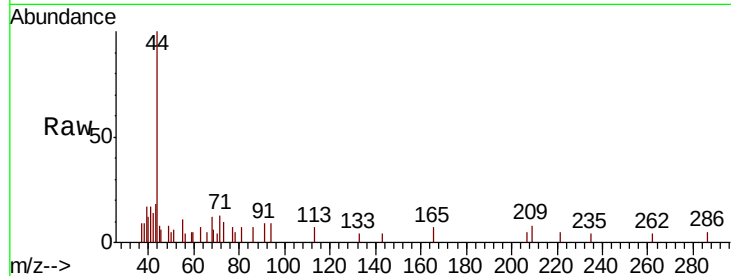
ClientSampled :

Tot Ion: 94 Resp: 706

Ion Ratio Lower Upper

94 100

96 0.0 73.6 110.4#



#6

Chloroethane

Concen: Below Cal

RT: 1.41 min Scan# 89

Delta R.T. -0.01 min

Lab File: VF059720.D

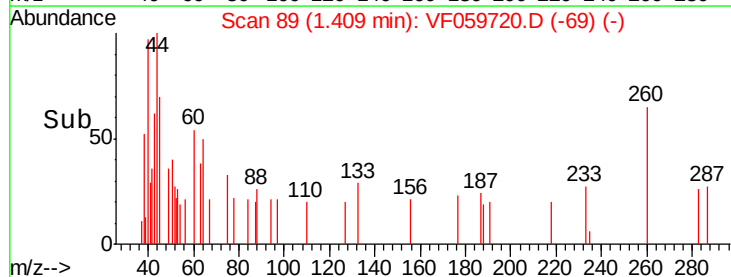
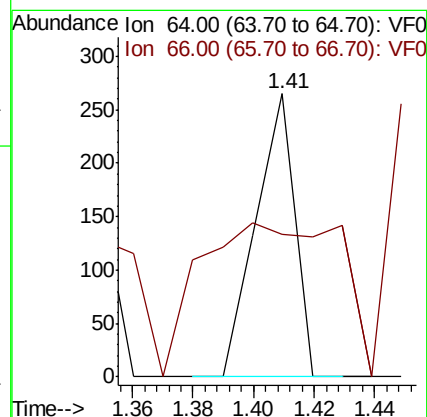
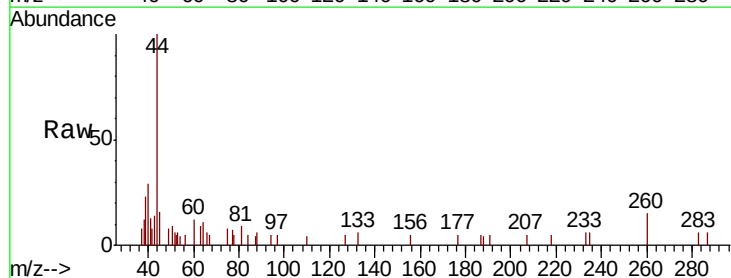
Acq: 31 Jul 2018 20:16

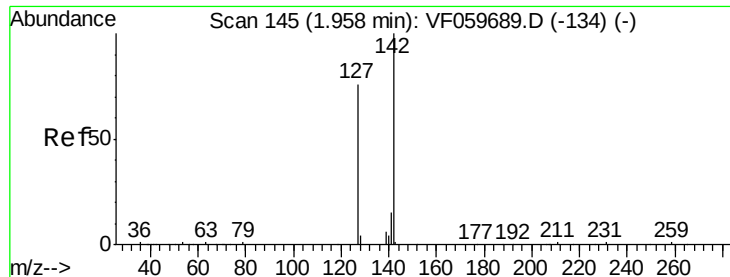
Tgt Ion: 64 Resp: 235

Ion Ratio Lower Upper

64 100

66 50.2 32.6 49.0#

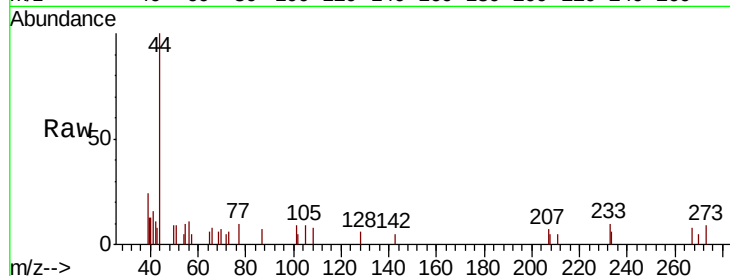




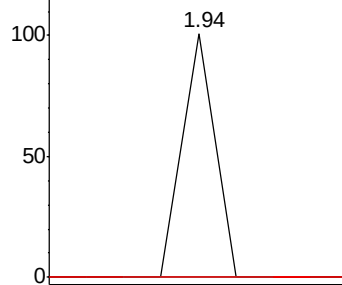
#10
Methyl Iodide
Concen: Below Cal
RT: 1.94 min Scan# 143
Delta R.T. -0.02 min
Lab File: VF059720.D
Acq: 31 Jul 2018 20:16

Instrument :
MSVOA_F
ClientSampled :

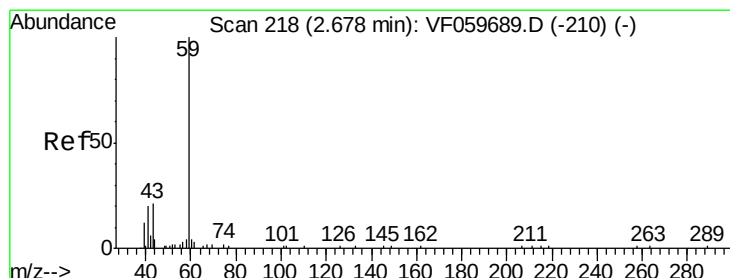
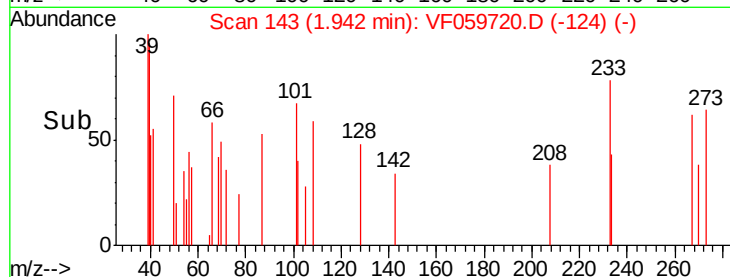
Tot Ion:142 Resp: 60
Ion Ratio Lower Upper
142 100
127 0.0 60.6 91.0#
141 0.0 12.0 18.0#



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

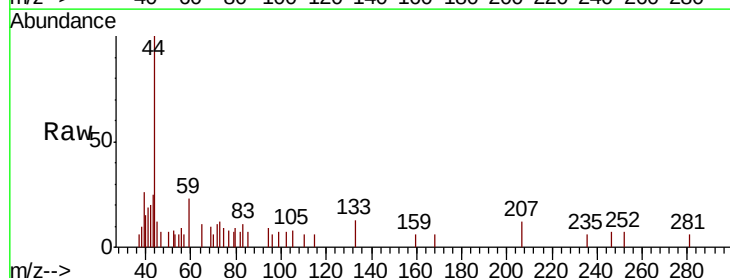


Time-->

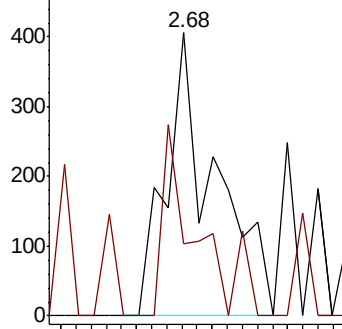


#11
Tert butyl alcohol
Concen: 6.578 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059720.D
Acq: 31 Jul 2018 20:16

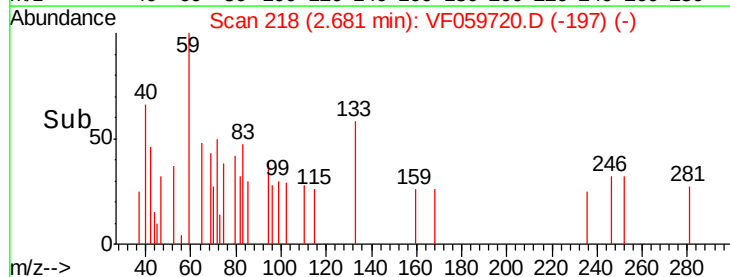
Tgt Ion: 59 Resp: 907
Ion Ratio Lower Upper
59 100
57 25.4 7.6 11.4#

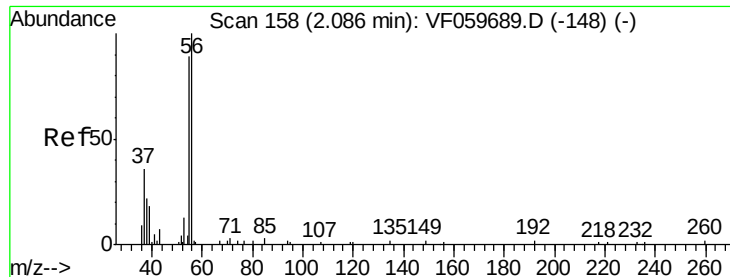


Abundance Ion 59.00 (58.70 to 59.70): VF0
Ion 57.00 (56.70 to 57.70): VF0



Time-->





#13

Acrolein

Concen: 17.672 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.11 min

Lab File: VF059720.D

Acq: 31 Jul 2018 20:16

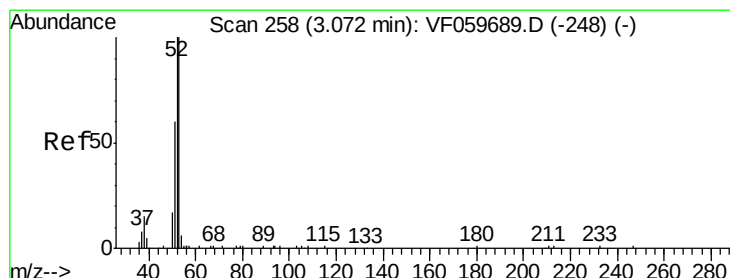
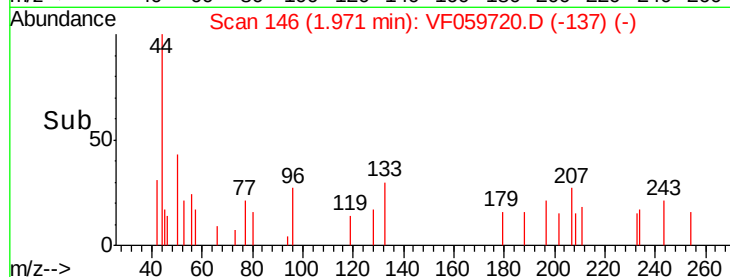
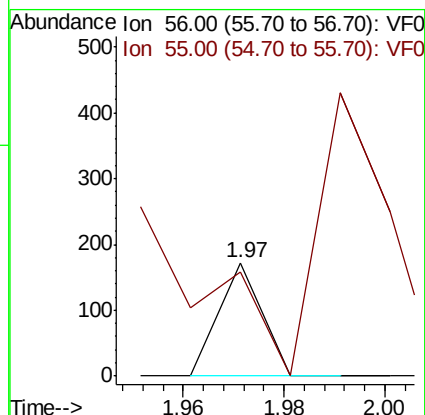
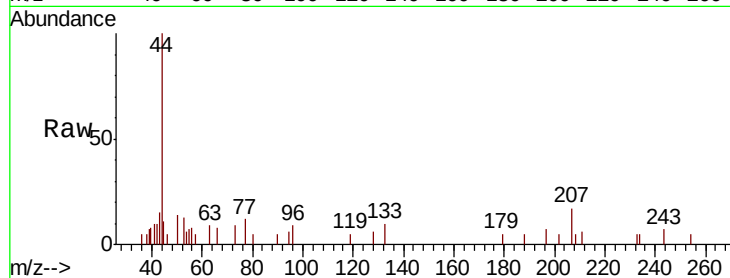
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 102

Ion Ratio Lower Upper

56 100

55 91.9 73.2 109.8



#15

Acrylonitrile

Concen: 1.862 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.02 min

Lab File: VF059720.D

Acq: 31 Jul 2018 20:16

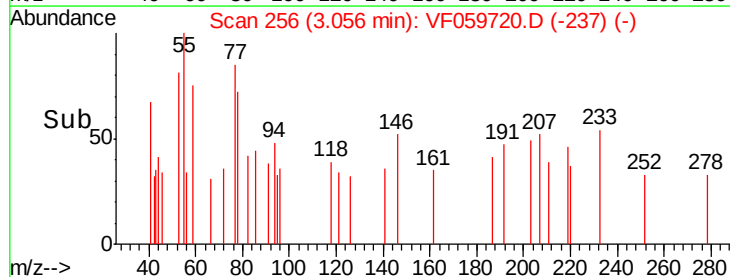
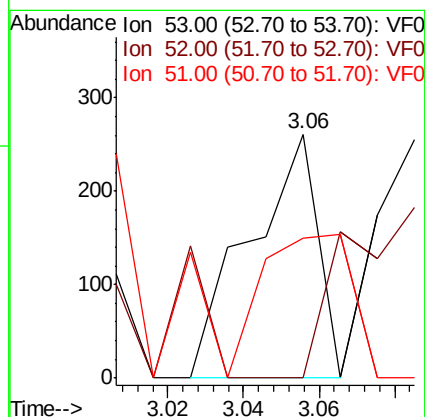
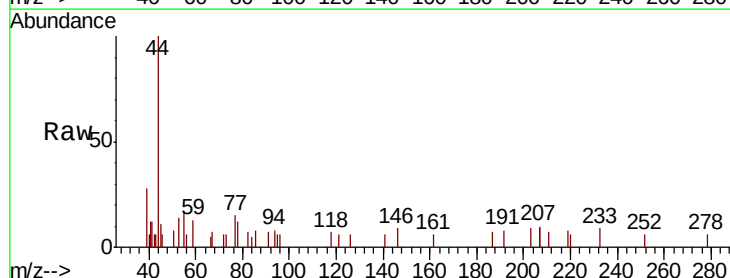
Tgt Ion: 53 Resp: 327

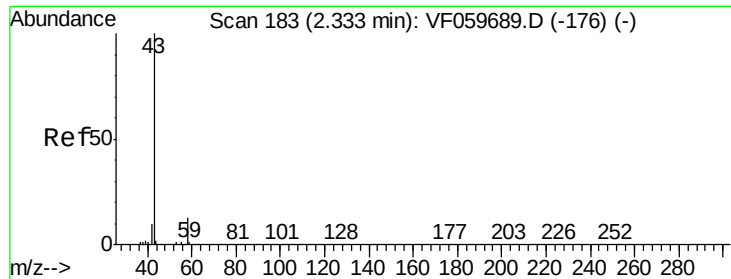
Ion Ratio Lower Upper

53 100

52 0.0 80.3 120.5#

51 57.5 49.4 74.0

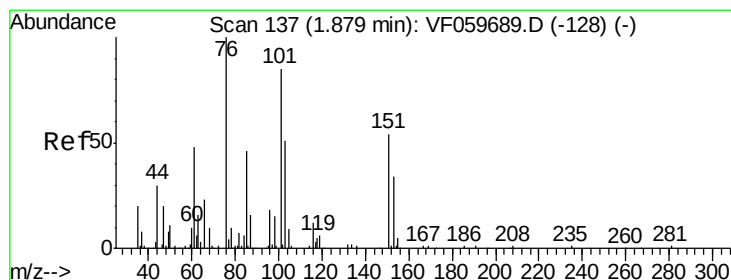
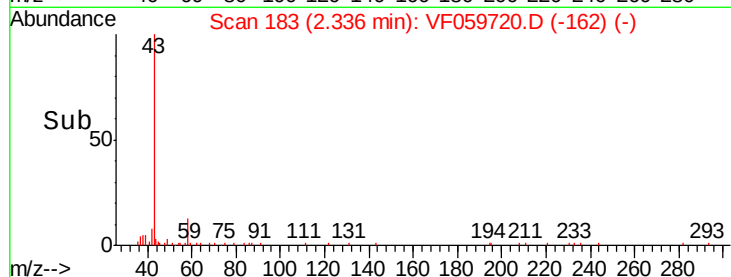
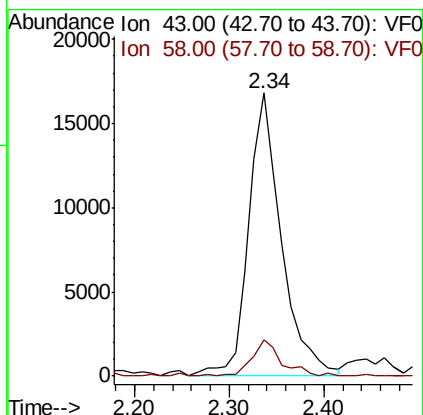
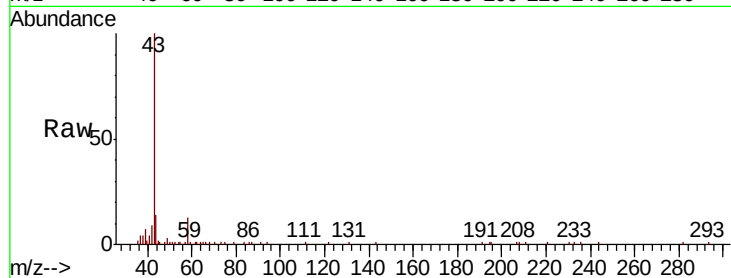




#16
Acetone
Concen: 80.379 ug/l
RT: 2.34 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF059720.D
Acq: 31 Jul 2018 20:16

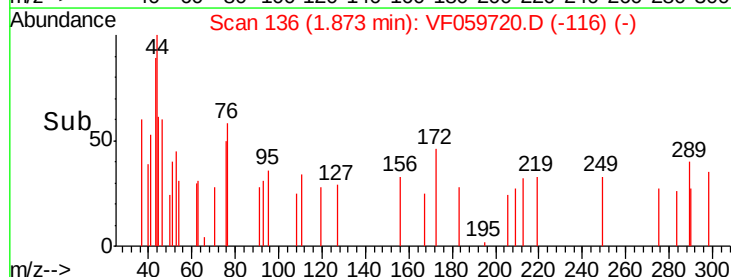
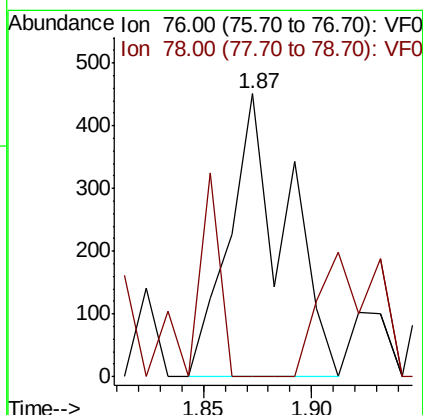
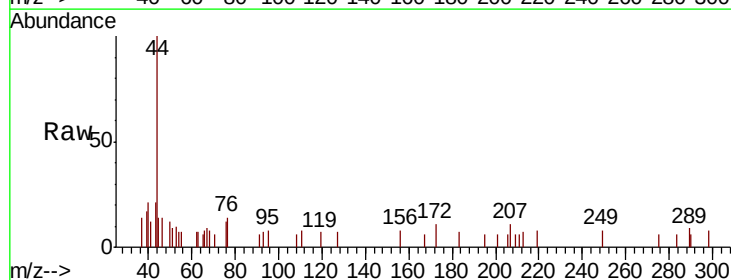
Instrument :
MSVOA_F
ClientSampleId :

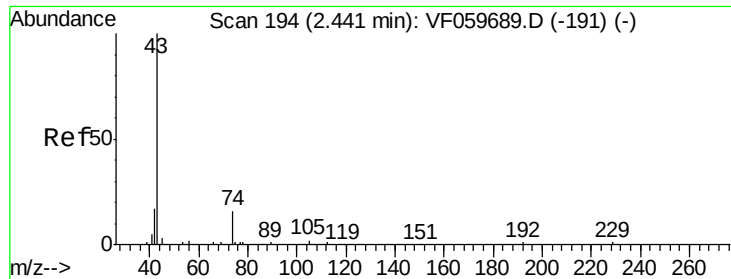
Tot Ion: 43 Resp: 40657
Ion Ratio Lower Upper
43 100
58 12.6 10.1 15.1



#17
Carbon Disulfide
Concen: Below Cal
RT: 1.87 min Scan# 136
Delta R.T. -0.01 min
Lab File: VF059720.D
Acq: 31 Jul 2018 20:16

Tgt Ion: 76 Resp: 827
Ion Ratio Lower Upper
76 100
78 0.0 8.9 13.3#

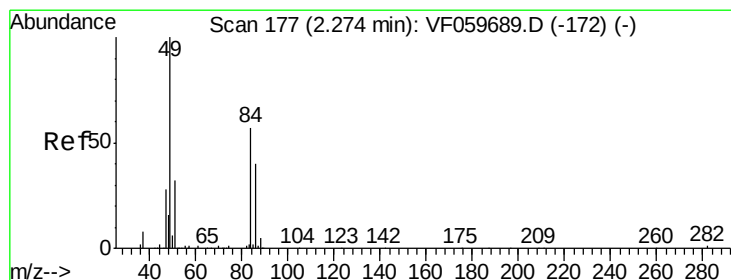
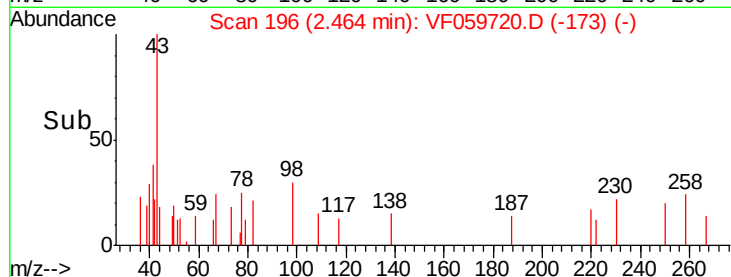
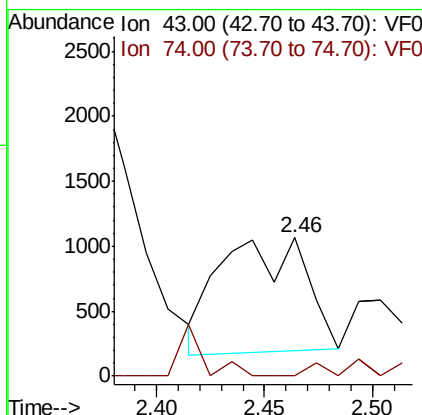
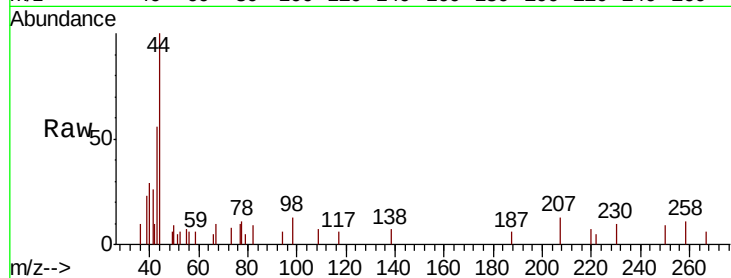




#18
Methyl Acetate
Concen: Below Cal
RT: 2.46 min Scan# 196
Delta R.T. 0.02 min
Lab File: VF059720.D
Acq: 31 Jul 2018 20:16

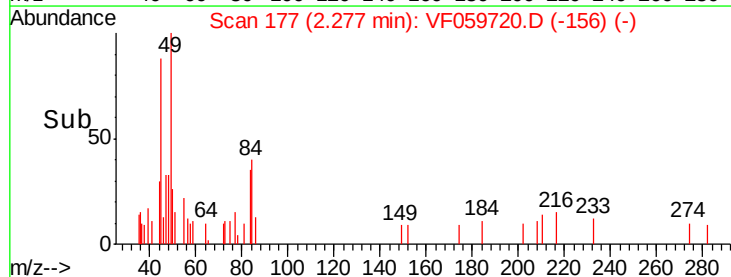
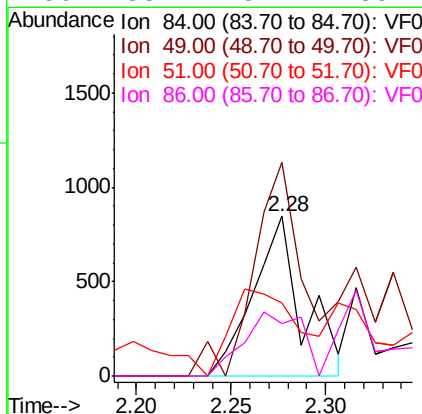
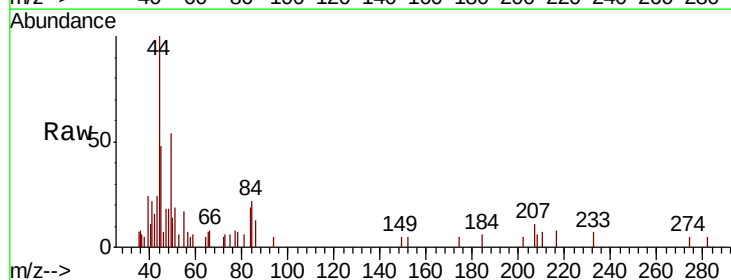
Instrument :
MSVOA_F
ClientSampled :

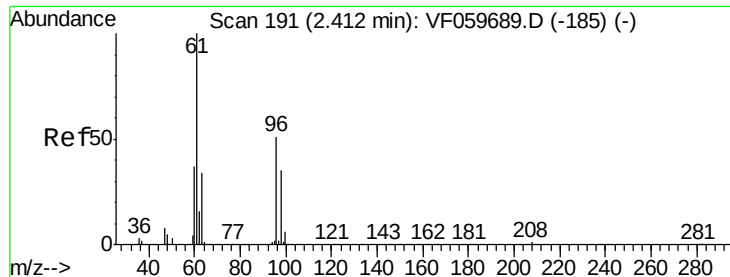
Tot Ion: 43 Resp: 2388
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059720.D
Acq: 31 Jul 2018 20:16

Tgt Ion: 84 Resp: 1535
Ion Ratio Lower Upper
84 100
49 133.5 142.2 213.4#
51 45.9 46.2 69.2#
86 33.1 57.1 85.7#





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059720.D

Acq: 31 Jul 2018 20:16

Instrument :

MSVOA_F

ClientSampled :

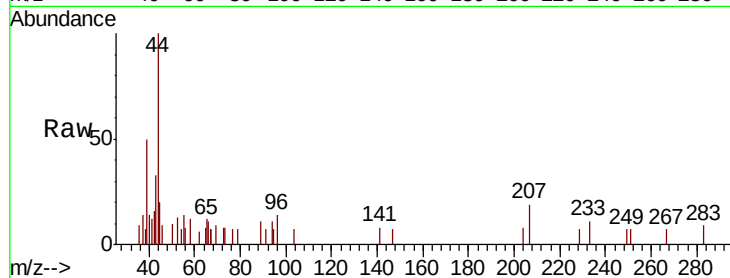
Tot Ion: 96 Resp: 338

Ion Ratio Lower Upper

96 100

61 0.0 157.4 236.0#

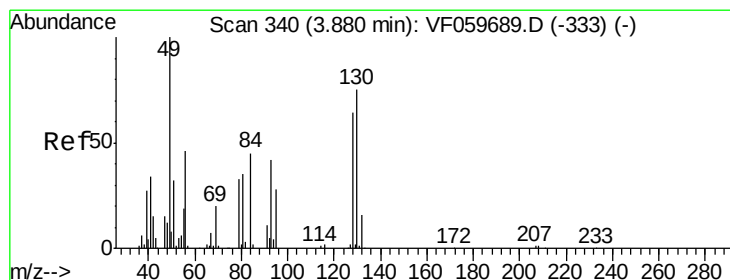
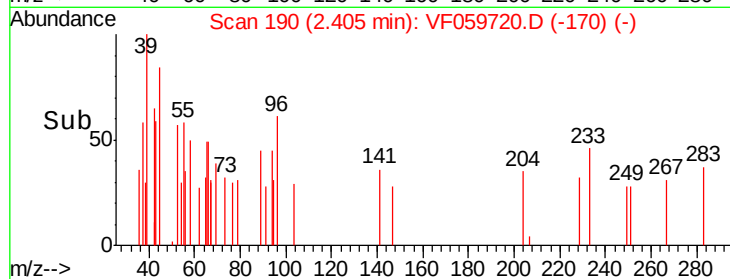
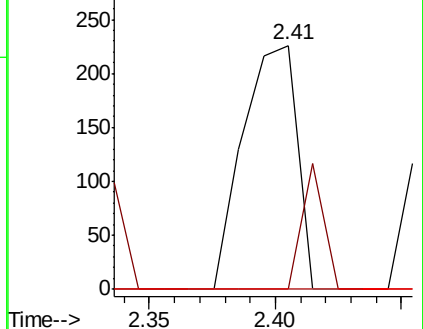
98 0.0 55.0 82.4#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane

Concen: Below Cal

RT: 3.83 min Scan# 335

Delta R.T. -0.05 min

Lab File: VF059720.D

Acq: 31 Jul 2018 20:16

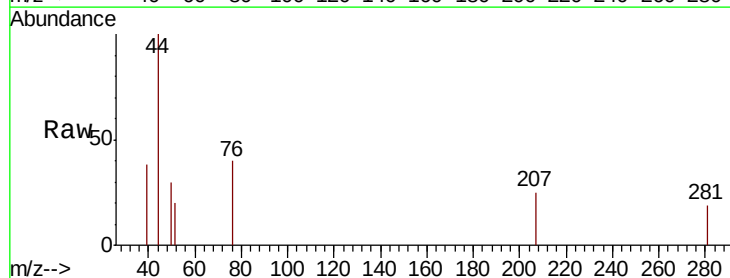
Tgt Ion: 49 Resp: 96

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

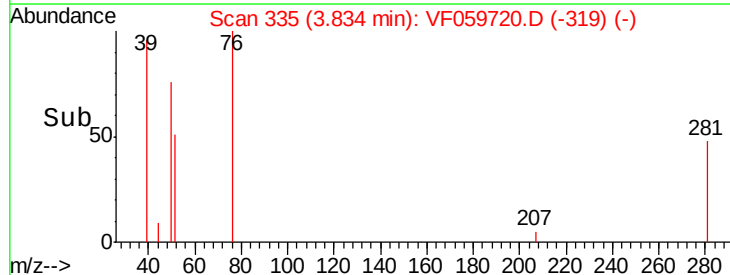
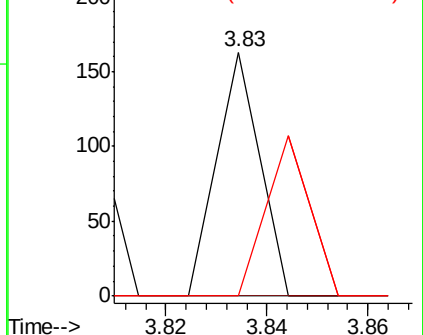
130 0.0 59.6 89.4#

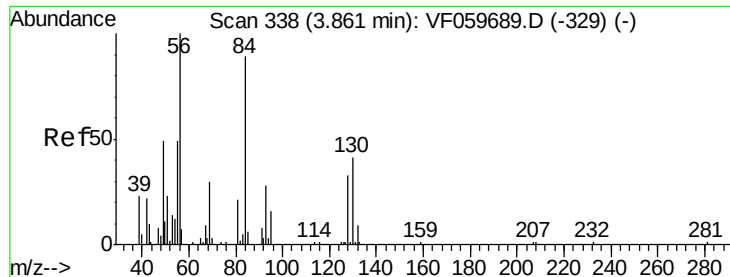


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V

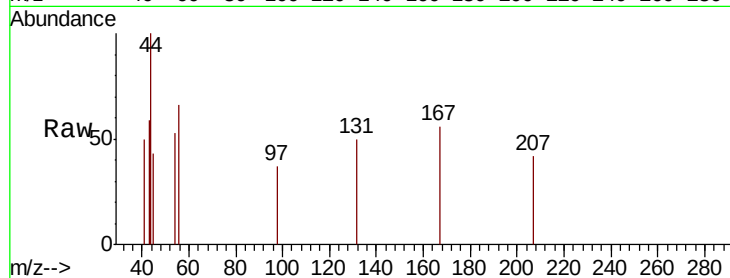




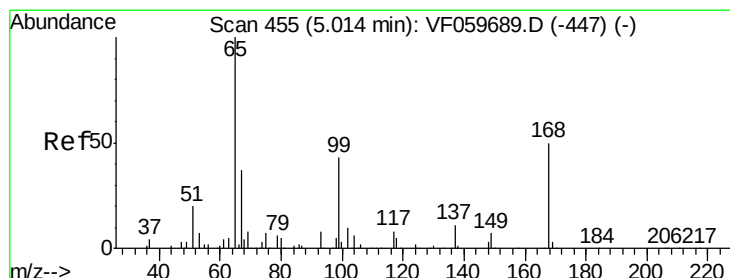
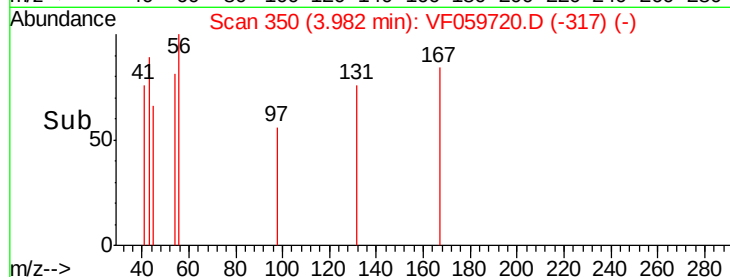
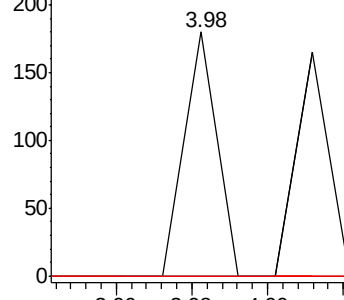
#31
Cyclohexane
Concen: Below Cal
RT: 3.98 min Scan# 350
Delta R.T. 0.12 min
Lab File: VF059720.D
Acq: 31 Jul 2018 20:16

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 106
Ion Ratio Lower Upper
56 100
69 0.0 23.7 35.5#
84 0.0 71.1 106.7#

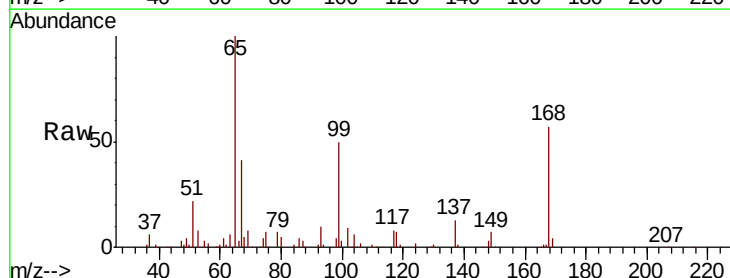


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

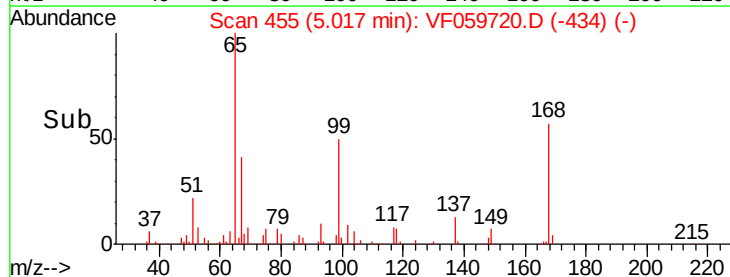
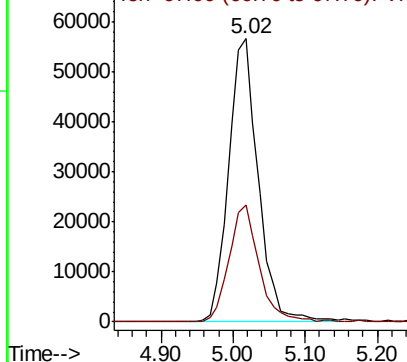


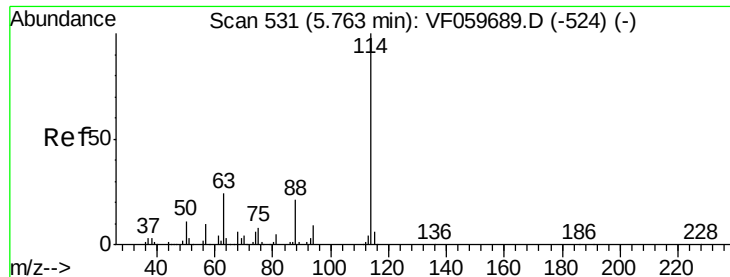
#33
1,2-Dichloroethane-d4
Concen: 57.574 ug/l
RT: 5.02 min Scan# 455
Delta R.T. 0.00 min
Lab File: VF059720.D
Acq: 31 Jul 2018 20:16

Tgt Ion: 65 Resp: 161905
Ion Ratio Lower Upper
65 100
67 41.3 0.0 84.6



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0

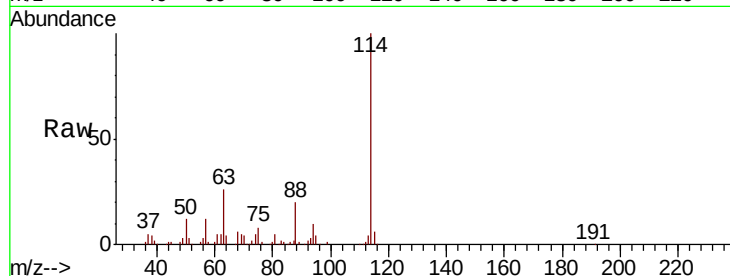




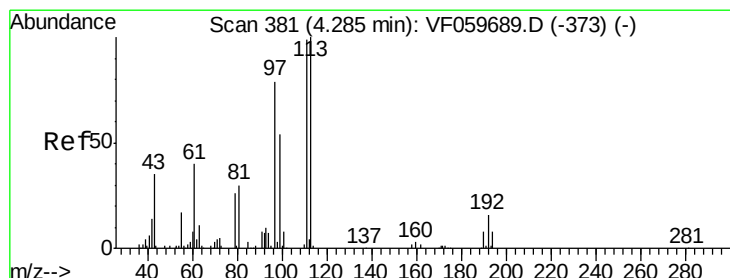
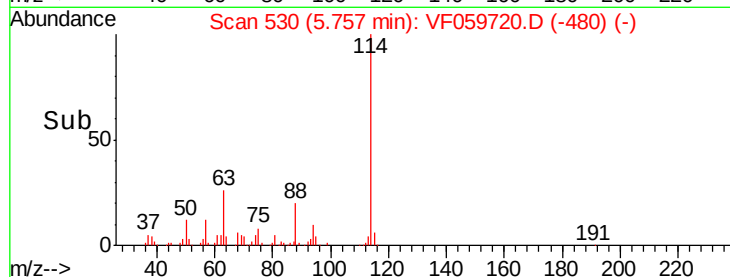
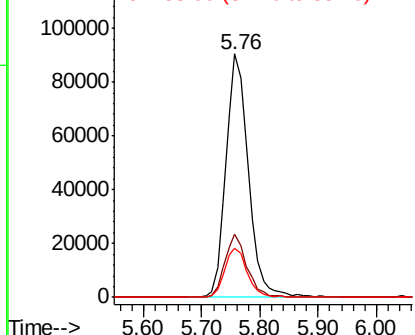
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.76 min Scan# 530
Delta R.T. -0.01 min
Lab File: VF059720.D
Acq: 31 Jul 2018 20:16

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.2	0.0	47.4
88	20.1	0.0	41.2

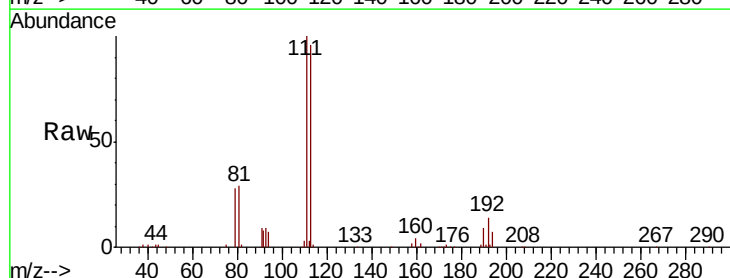


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

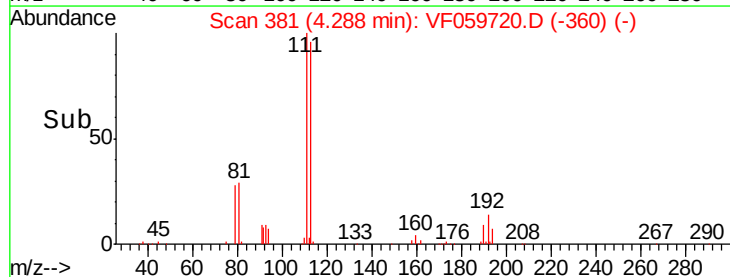
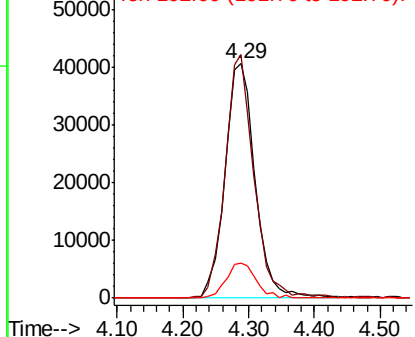


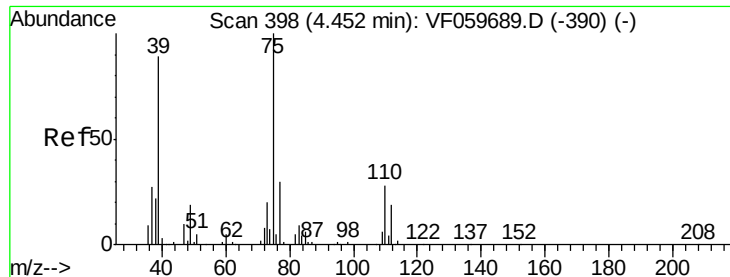
#35
Dibromofluoromethane
Concen: 51.639 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059720.D
Acq: 31 Jul 2018 20:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	79.0	118.4
192	14.8	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

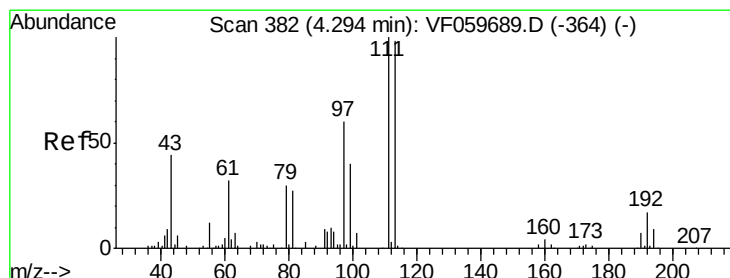
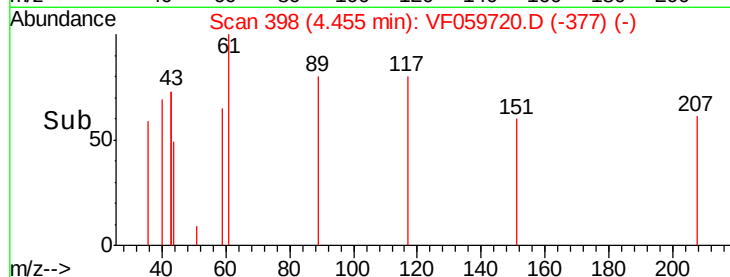
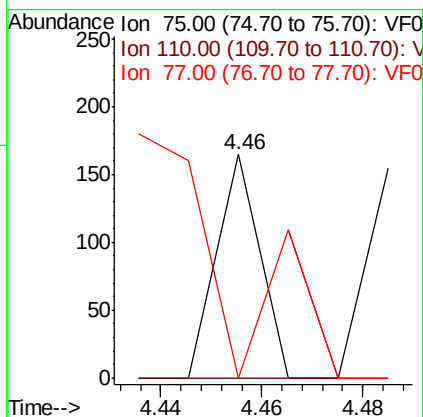
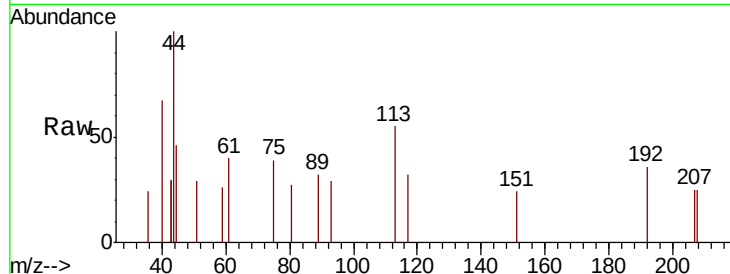




#36
1,1-Dichloropropene
Concen: Below Cal
RT: 4.46 min Scan# 398
Delta R.T. 0.00 min
Lab File: VF059720.D
Acq: 31 Jul 2018 20:16

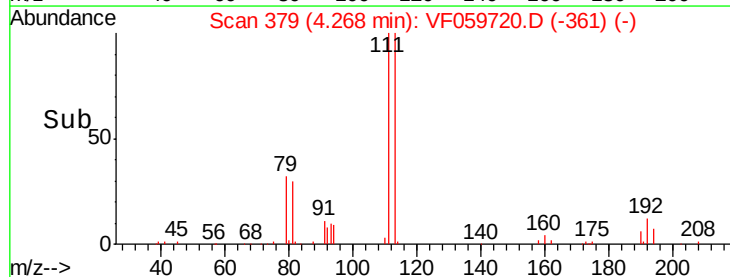
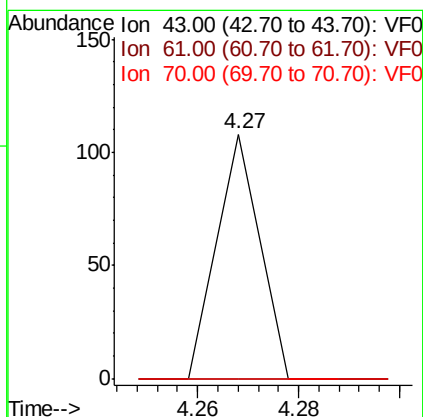
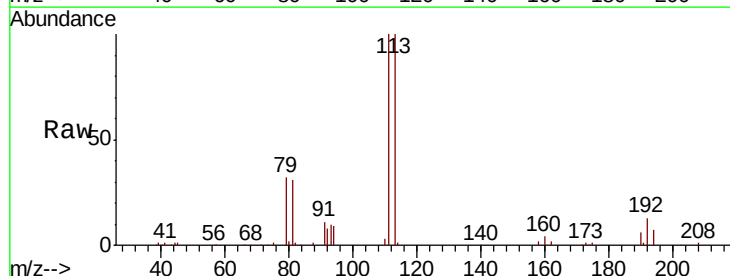
Instrument :
MSVOA_F
ClientSampleId :

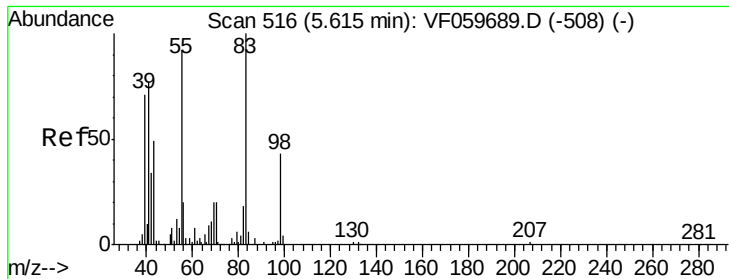
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	14.0	41.9#
77	0.0	24.2	36.2#



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.27 min Scan# 379
Delta R.T. -0.03 min
Lab File: VF059720.D
Acq: 31 Jul 2018 20:16

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	58.2	87.2#
70	0.0	6.0	9.0#





#39

Methylcyclohexane

Concen: Below Cal

RT: 5.76 min Scan# 530

Delta R.T. 0.14 min

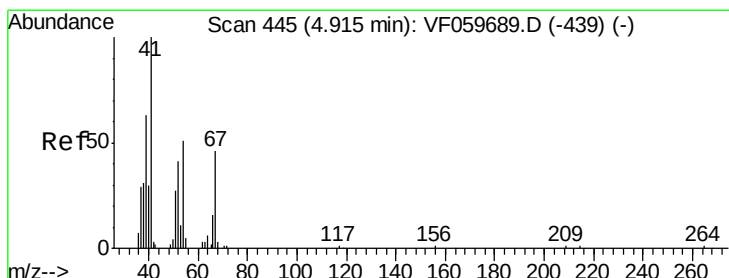
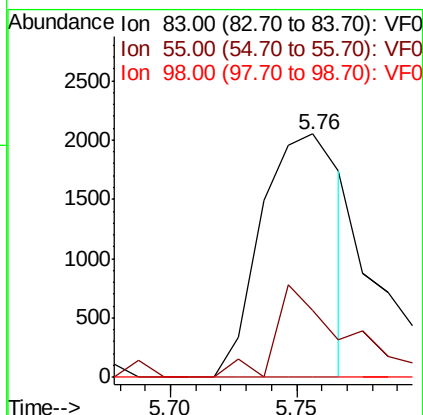
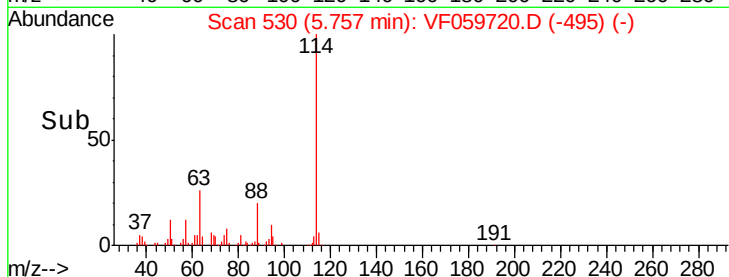
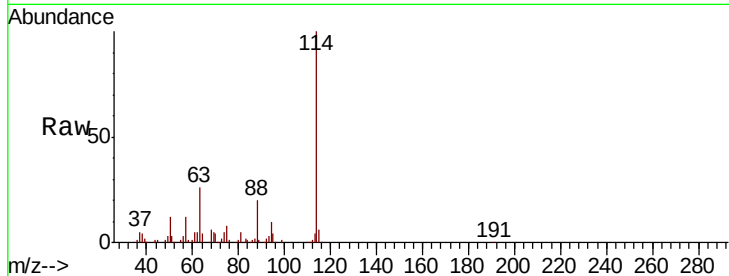
Lab File: VF059720.D

Acq: 31 Jul 2018 20:16

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 83.00 Resp: 4478

Ion	Ratio	Lower	Upper
83	100		
55	27.6	73.4	110.2#
98	0.0	34.2	51.4#



#41

Methacrylonitrile

Concen: Below Cal

RT: 4.92 min Scan# 445

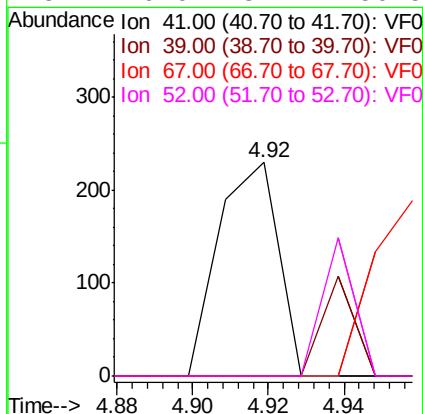
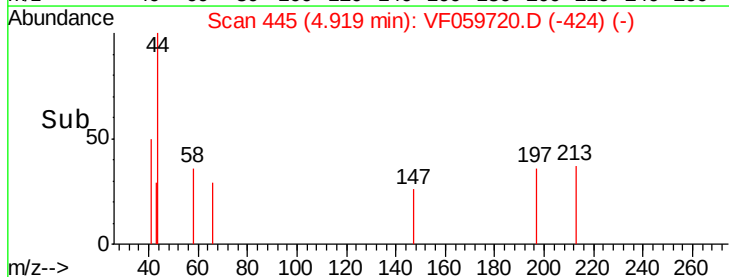
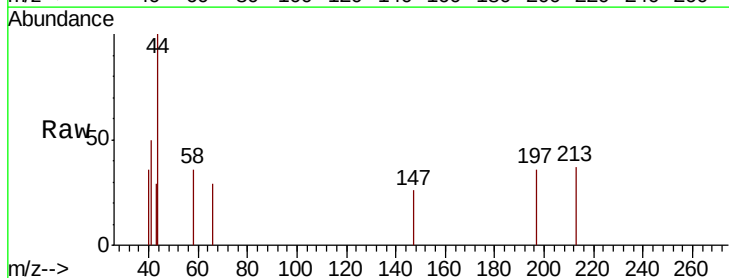
Delta R.T. 0.00 min

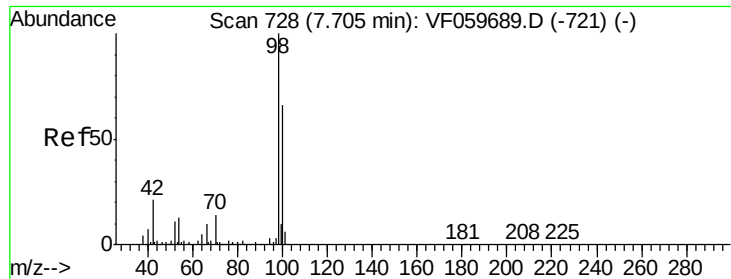
Lab File: VF059720.D

Acq: 31 Jul 2018 20:16

Tgt Ion: 41 Resp: 248

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#





#50

Toluene-d8

Concen: 36.903 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF059720.D

Acq: 31 Jul 2018 20:16

Instrument :

MSVOA_F

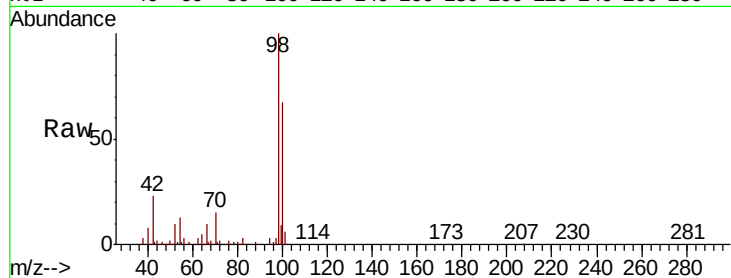
ClientSampleId :

Tot Ion: 98 Resp: 216960

Ion Ratio Lower Upper

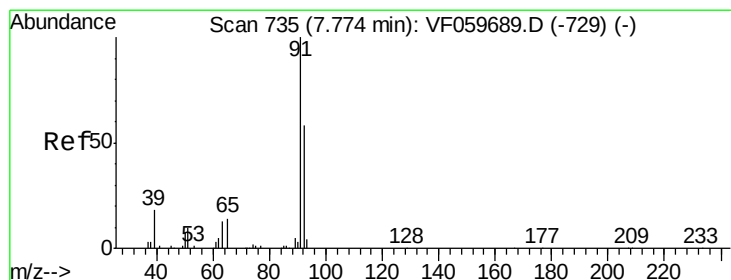
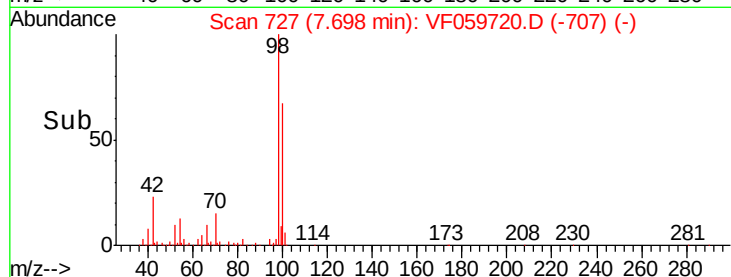
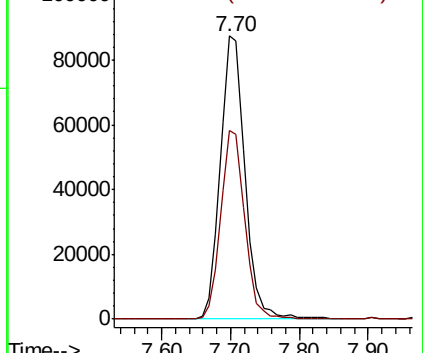
98 100

100 66.8 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#52

Toluene

Concen: Below Cal

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059720.D

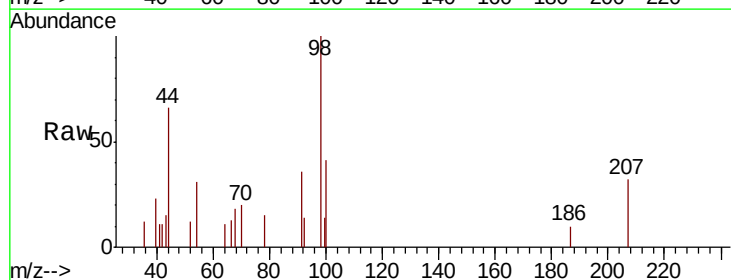
Acq: 31 Jul 2018 20:16

Tgt Ion: 92 Resp: 85

Ion Ratio Lower Upper

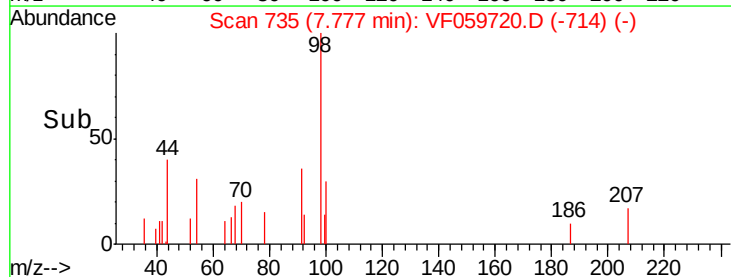
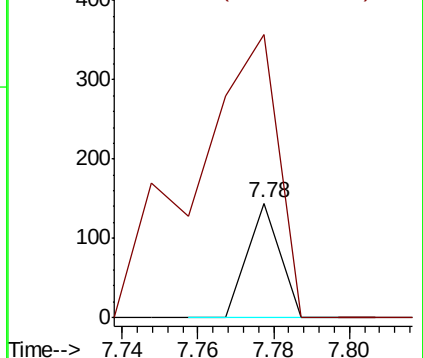
92 100

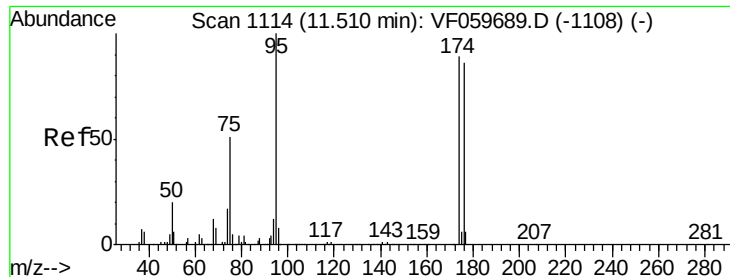
91 247.9 139.0 208.4#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#62

4-Bromofluorobenzene

Concen: 19.930 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059720.D

Acq: 31 Jul 2018 20:16

Instrument :

MSVOA_F

ClientSampled :

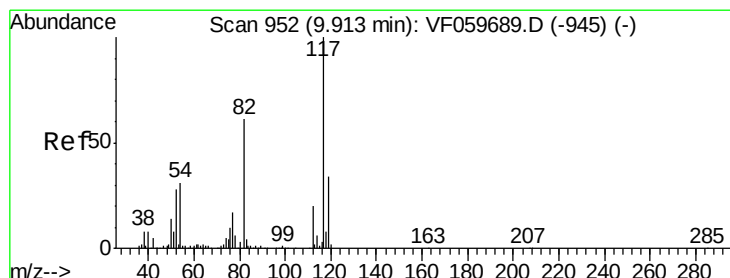
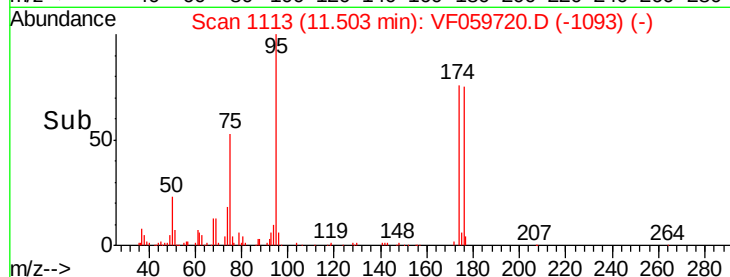
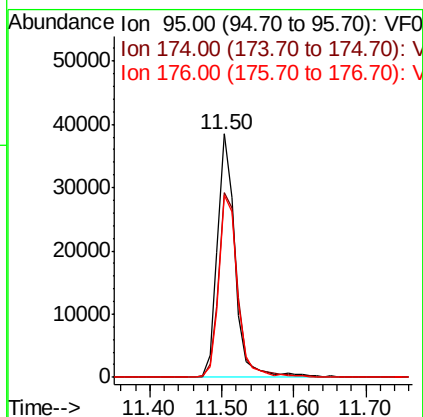
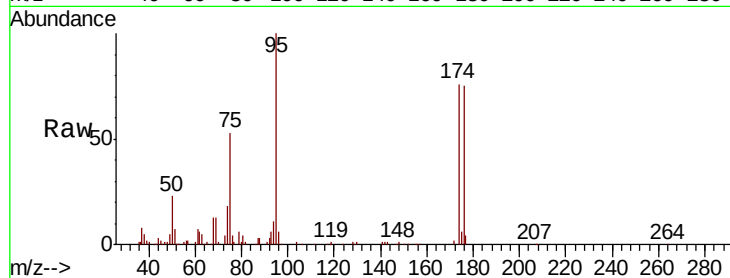
Tot Ion: 95 Resp: 64866

Ion Ratio Lower Upper

95 100

174 75.6 0.0 178.4

176 74.8 0.0 173.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF059720.D

Acq: 31 Jul 2018 20:16

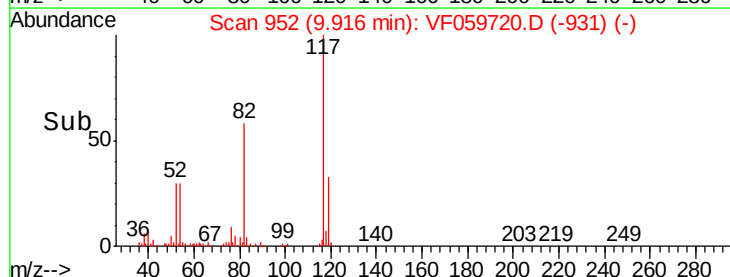
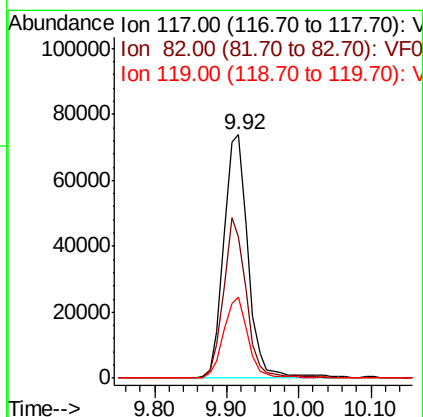
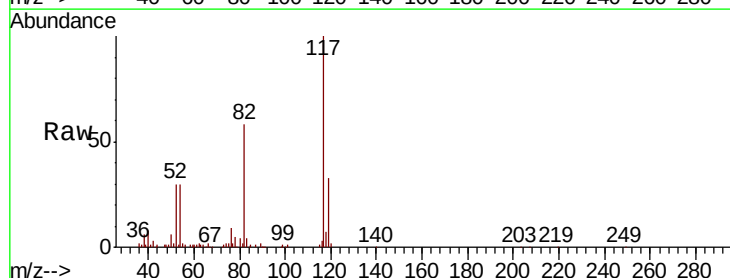
Tgt Ion: 117 Resp: 172736

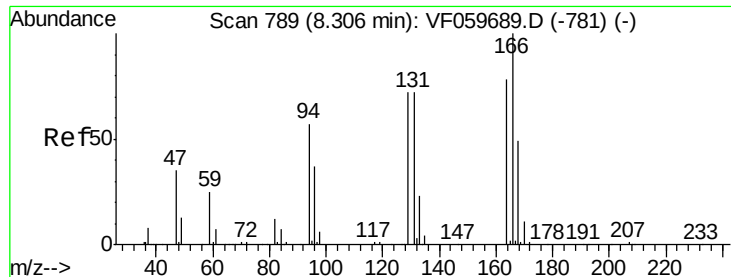
Ion Ratio Lower Upper

117 100

82 58.0 49.0 73.4

119 33.5 27.3 40.9





#64

Tetrachloroethene

Concen: Below Cal

RT: 8.15 min Scan# 773

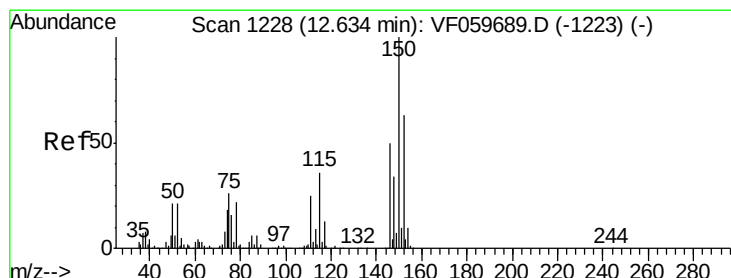
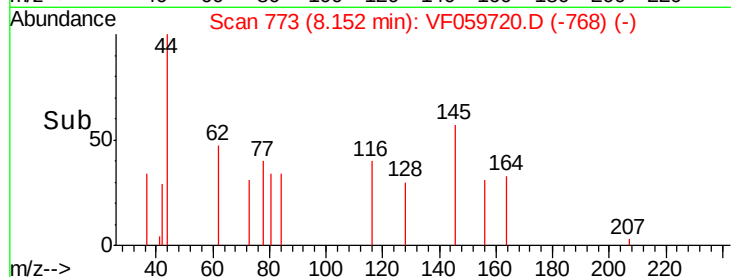
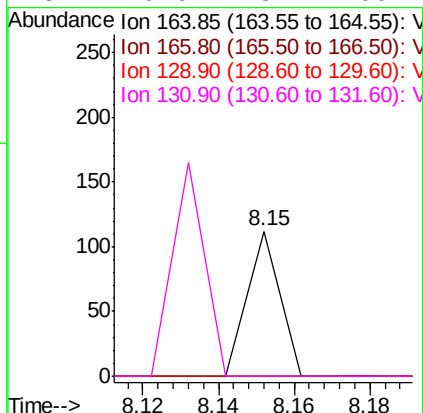
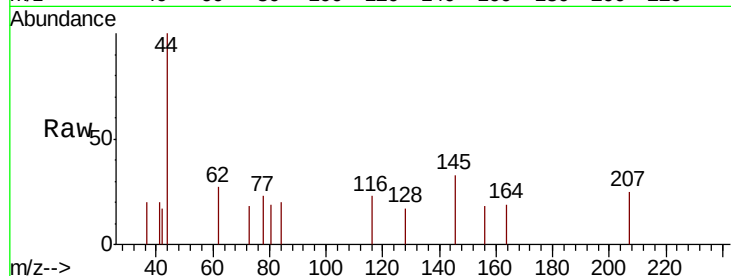
Delta R.T. -0.15 min

Lab File: VF059720.D

Acq: 31 Jul 2018 20:16

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	164	Resp:	66
Ion	Ratio	Lower	Upper
164	100		
166	0.0	102.1	153.1#
129	0.0	73.8	110.6#
131	0.0	73.1	109.7#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

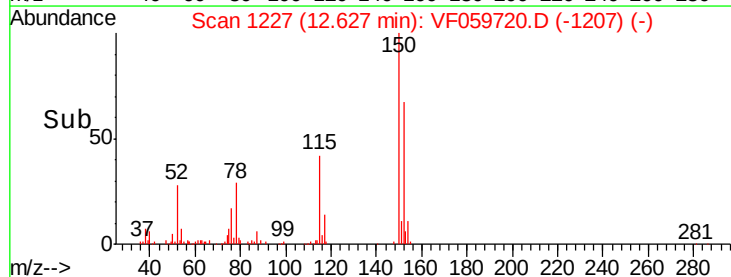
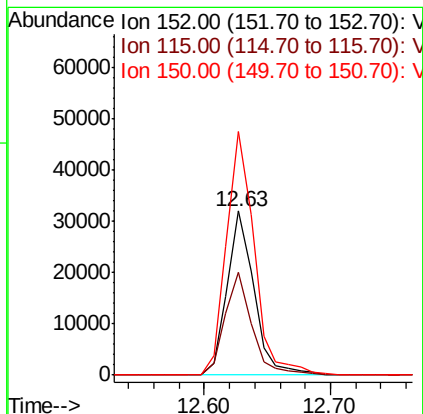
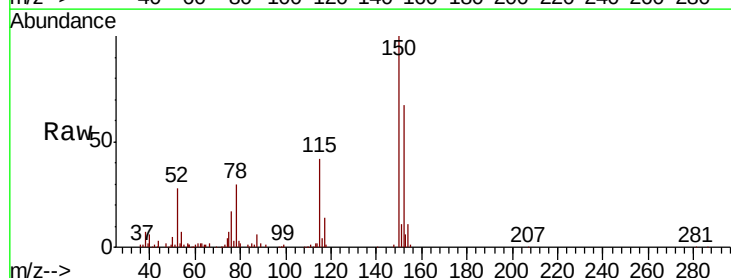
RT: 12.63 min Scan# 1227

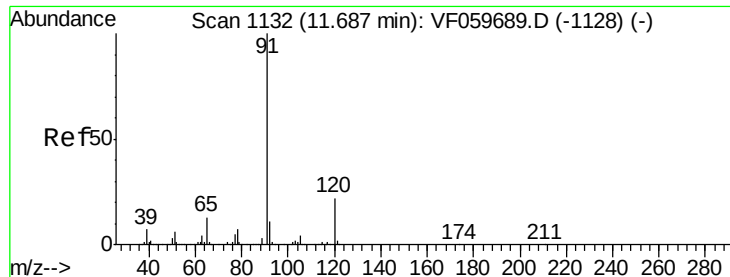
Delta R.T. -0.01 min

Lab File: VF059720.D

Acq: 31 Jul 2018 20:16

Tgt Ion:	152	Resp:	47046
Ion	Ratio	Lower	Upper
152	100		
115	62.6	28.2	84.6
150	148.5	0.0	316.2





#78

n-propylbenzene

Concen: Below Cal

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059720.D

Acq: 31 Jul 2018 20:16

Instrument :

MSVOA_F

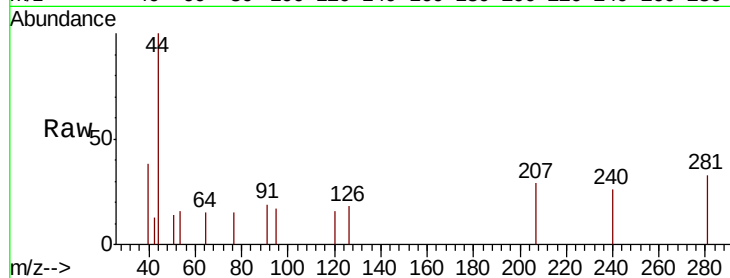
ClientSampled :

Tot Ion: 91 Resp: 261

Ion Ratio Lower Upper

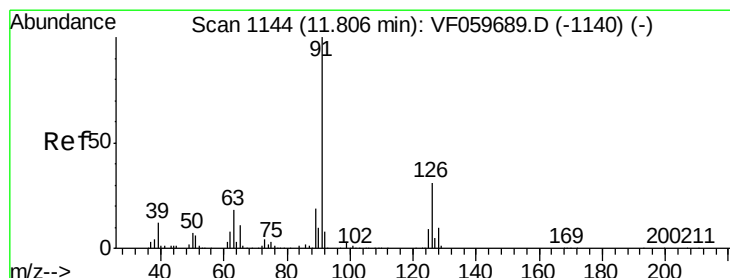
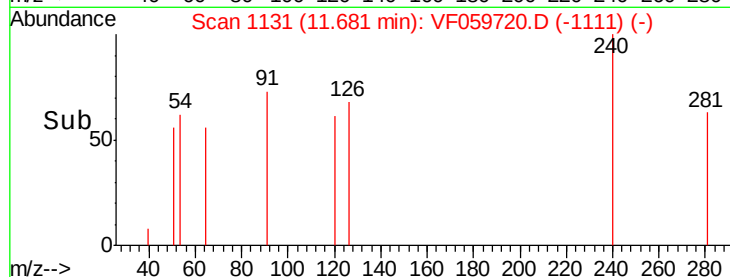
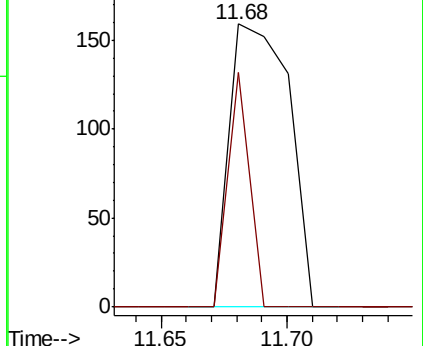
91 100

120 83.0 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: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF059720.D

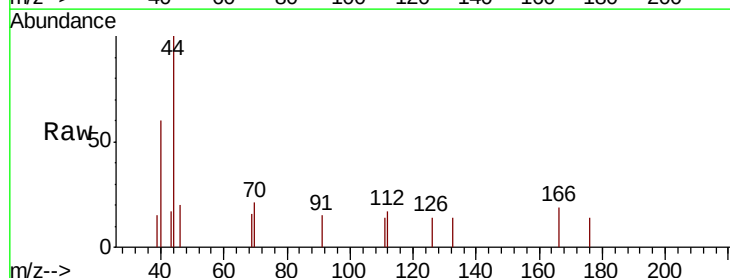
Acq: 31 Jul 2018 20:16

Tgt Ion: 91 Resp: 61

Ion Ratio Lower Upper

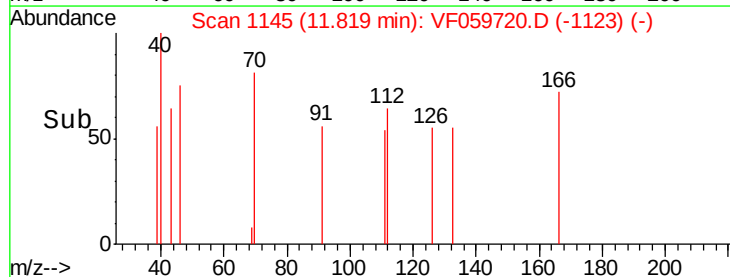
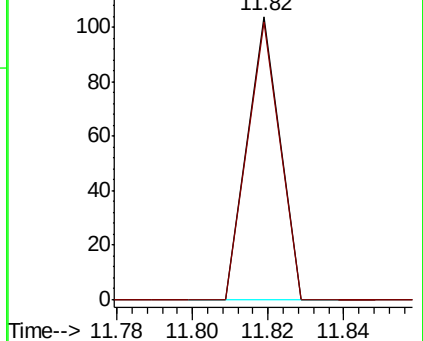
91 100

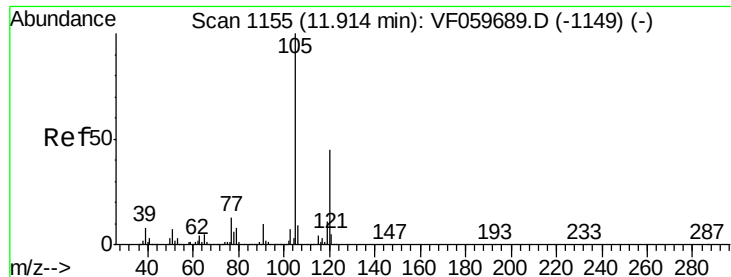
126 98.1 15.4 46.2#



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: 11.93 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VF059720.D

Acq: 31 Jul 2018 20:16

Instrument :

MSVOA_F

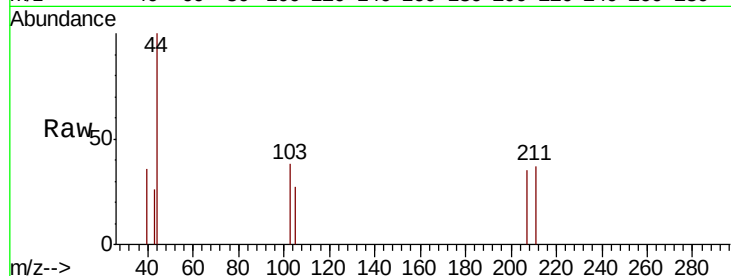
ClientSampleId :

Tot Ion: 105 Resp: 81

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

11.93

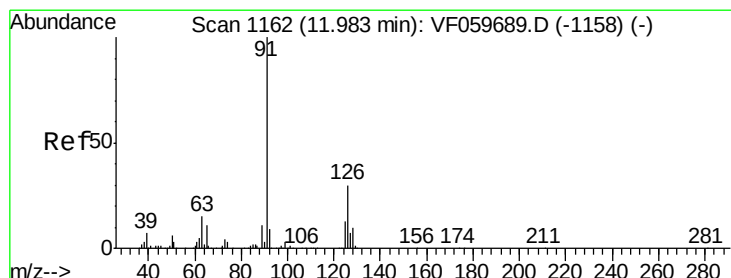
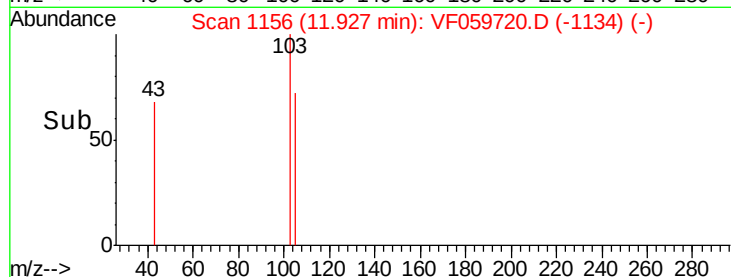
150

100

50

0

Time--> 11.90 11.92 11.94



#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.98 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF059720.D

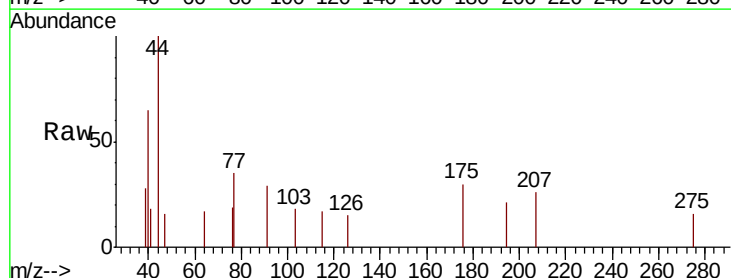
Acq: 31 Jul 2018 20:16

Tgt Ion: 91 Resp: 228

Ion Ratio Lower Upper

91 100

126 51.0 15.2 45.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.98

200

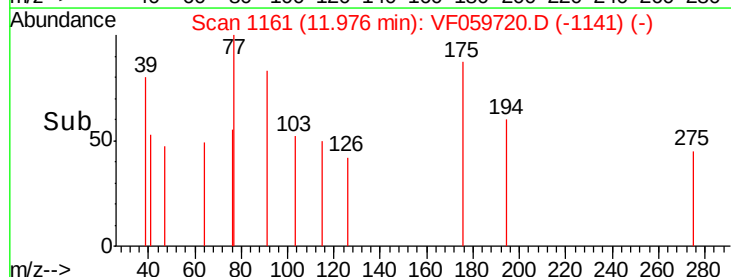
150

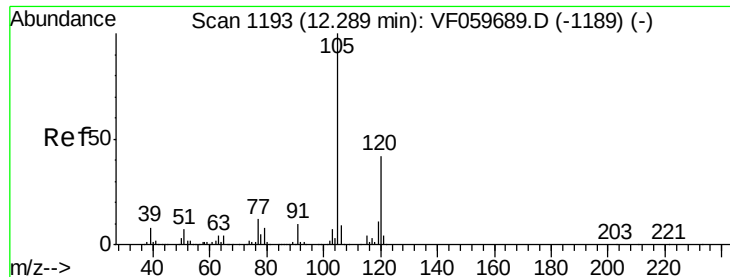
100

50

0

Time--> 11.95 12.00

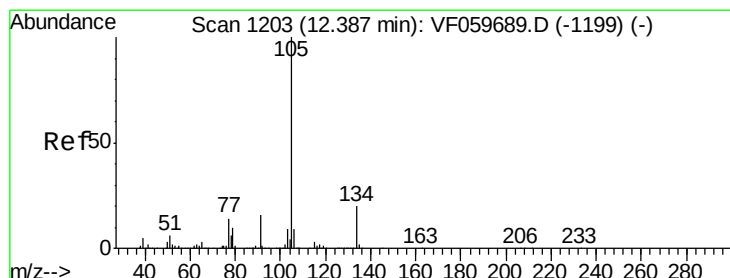
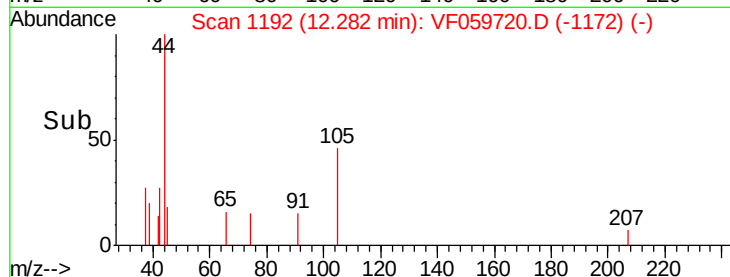
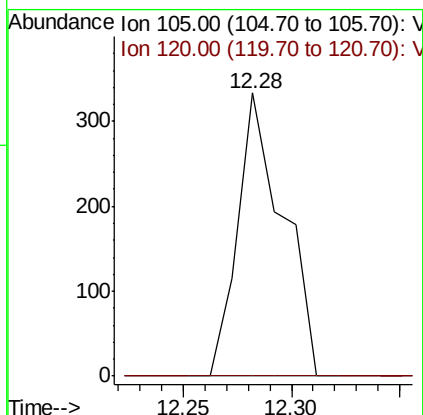
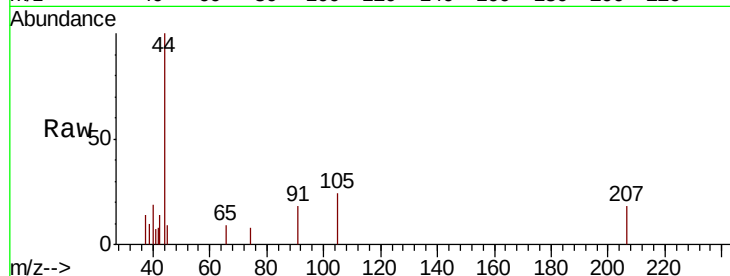




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059720.D
 Acq: 31 Jul 2018 20:16

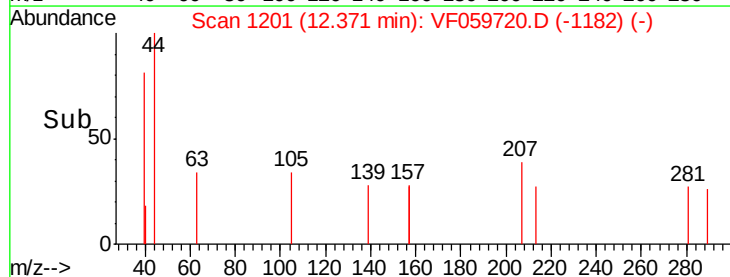
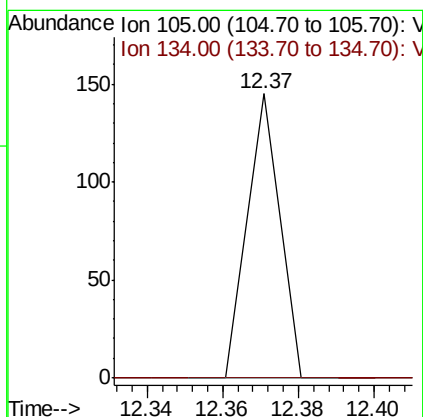
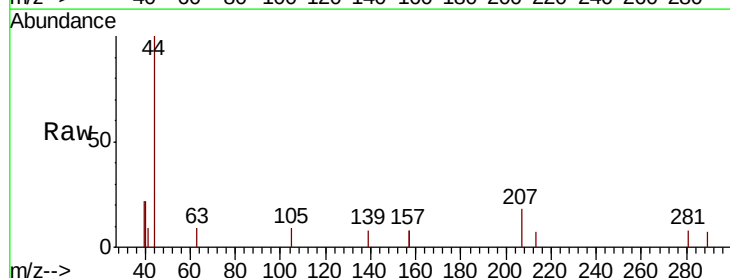
Instrument :
 MSVOA_F
 ClientSampleId :

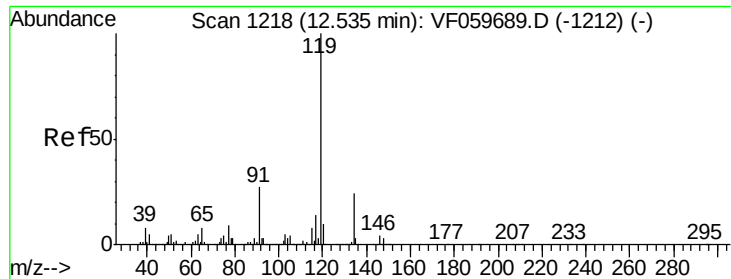
Tot Ion:105 Resp: 484
 Ion Ratio Lower Upper
 105 100
 120 0.0 21.1 63.3#



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 12.37 min Scan# 1201
 Delta R.T. -0.02 min
 Lab File: VF059720.D
 Acq: 31 Jul 2018 20:16

Tgt Ion:105 Resp: 86
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#

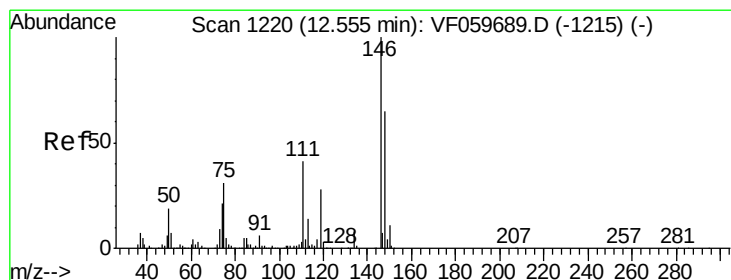
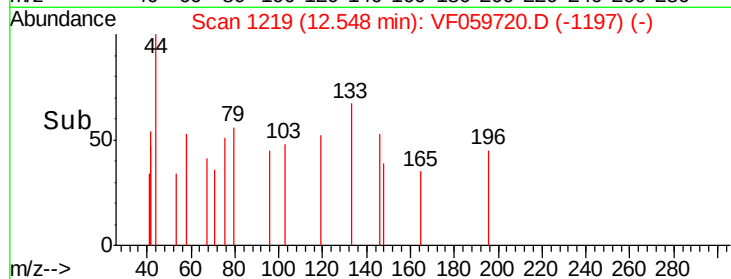
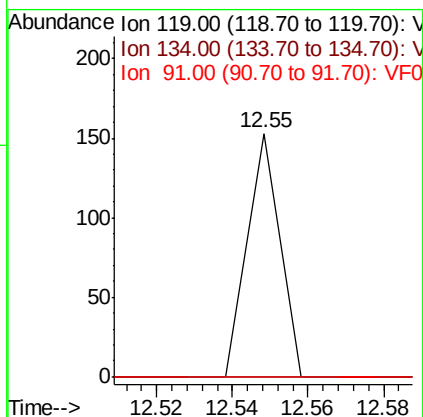
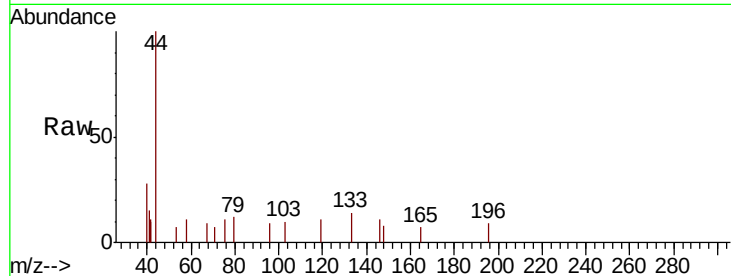




#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF059720.D
 Acq: 31 Jul 2018 20:16

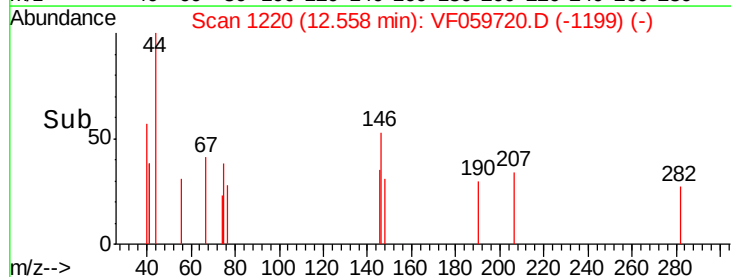
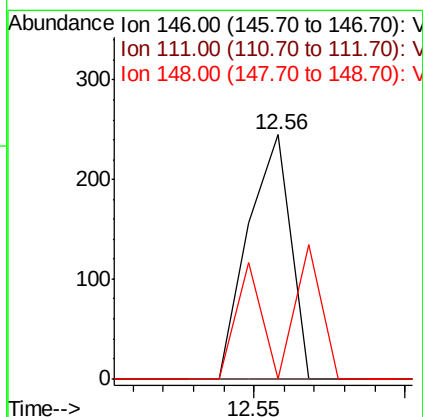
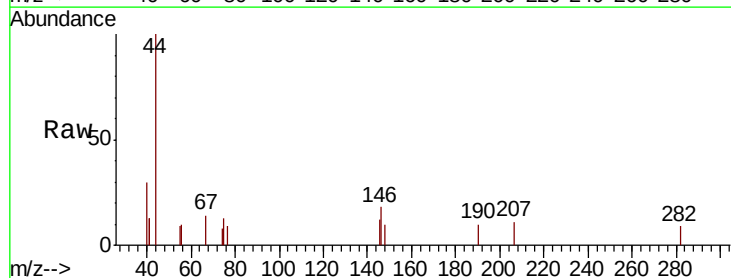
Instrument :
 MSVOA_F
 ClientSampleId :

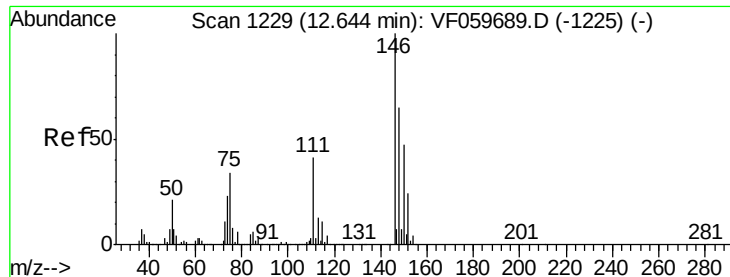
Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.2	36.6#
91	0.0	13.4	40.2#



#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059720.D
 Acq: 31 Jul 2018 20:16

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

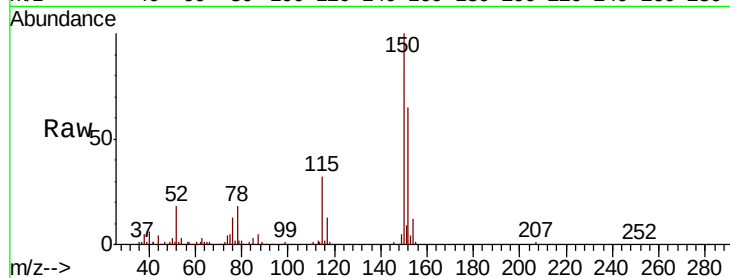




#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF059720.D
 Acq: 31 Jul 2018 20:16

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	105.0	20.8	62.2#
148	0.0	32.3	96.9#

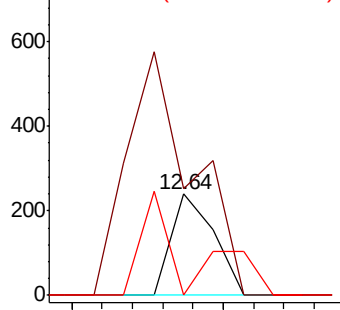


Abundance

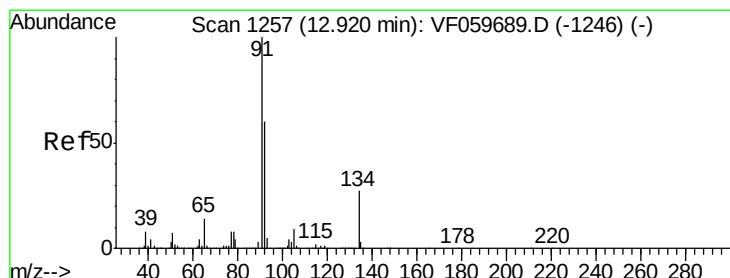
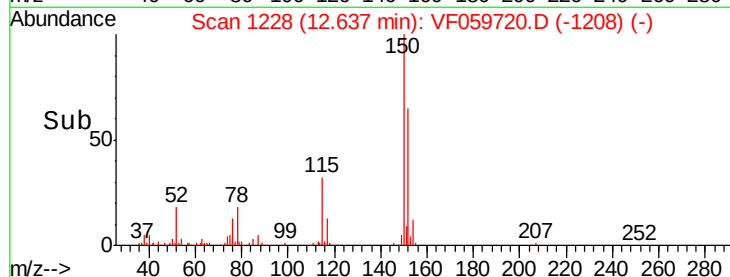
Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

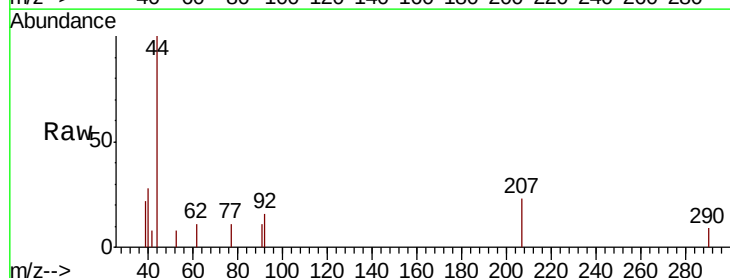


Time-->



#89
 n-Butylbenzene
 Concen: Below Cal
 RT: 12.92 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VF059720.D
 Acq: 31 Jul 2018 20:16

Tgt Ion	Ratio	Lower	Upper
91	100		
92	152.7	30.1	90.3#
134	0.0	13.7	41.0#

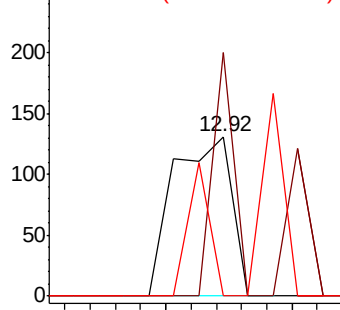


Abundance

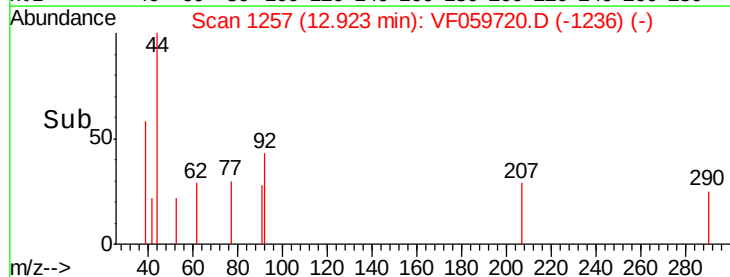
Ion 91.00 (90.70 to 91.70): VF0

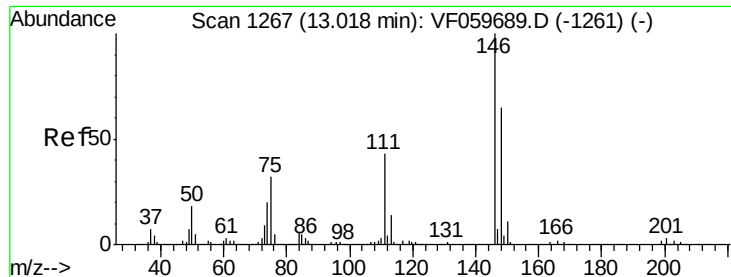
Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



Time-->





#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059720.D

Acq: 31 Jul 2018 20:16

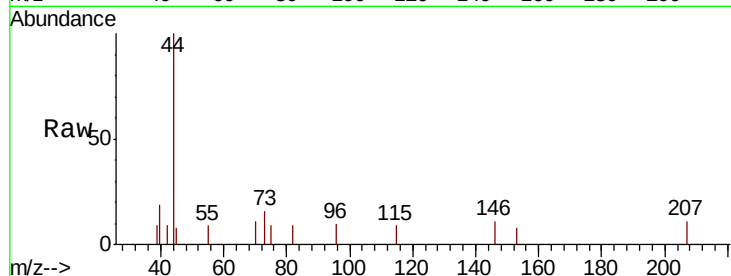
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:146 Resp: 150

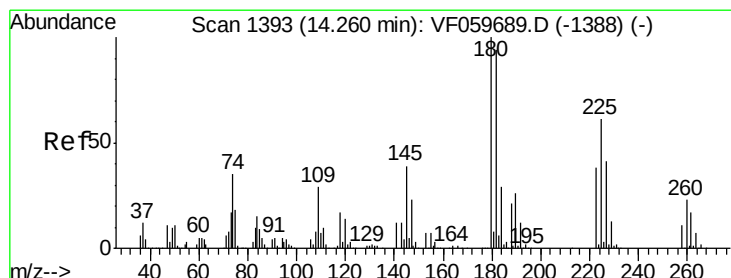
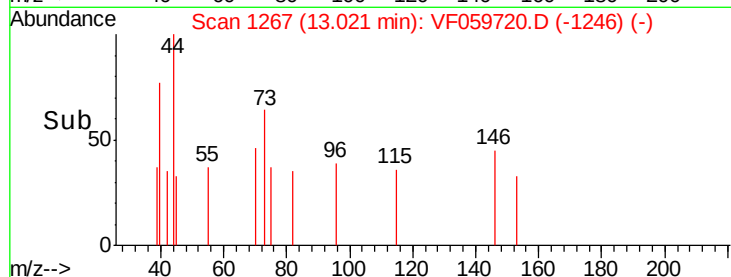
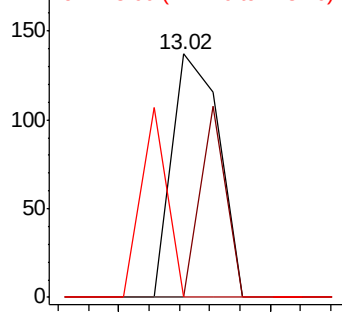
Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.6	65.0#
148	0.0	32.3	96.9#



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



#93

1,2,4-Trichlorobenzene

Concen: Below Cal

RT: 14.26 min Scan# 1393

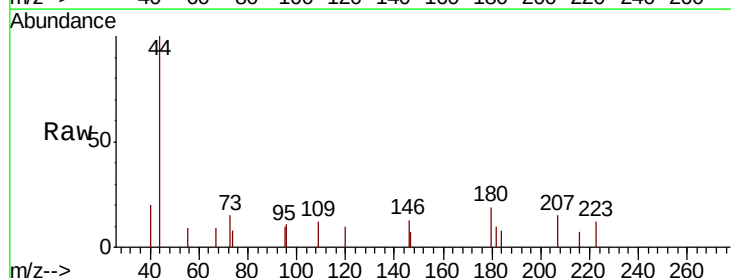
Delta R.T. 0.00 min

Lab File: VF059720.D

Acq: 31 Jul 2018 20:16

Tgt Ion:180 Resp: 286

Ion	Ratio	Lower	Upper
180	100		
182	50.9	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

