

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059726.D
 Acq On : 1 Aug 2018 00:54
 Operator : VA/AP
 Sample : VF0731SBL02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 01 07:35:53 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	164389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	240871	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	229315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	157481	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	157409	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
35) Dibromofluoromethane	4.29	113	127553	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
50) Toluene-d8	7.71	98	269392	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	
62) 4-Bromofluorobenzene	11.51	95	149458	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	186	Below Cal	#	44
3) Chloromethane	1.09	50	766	Below Cal	#	38
4) Vinyl Chloride	1.06	62	60	Below Cal	#	47
5) Bromomethane	1.35	94	232	Below Cal		83
6) Chloroethane	1.42	64	66	Below Cal	#	1
10) Methyl Iodide	2.05	142	98	Below Cal	#	20
13) Acrolein	2.01	56	313	20.759	ug/l	95
15) Acrylonitrile	3.06	53	300	1.634	ug/l #	36
16) Acetone	2.35	43	2702	5.085	ug/l	95
17) Carbon Disulfide	1.88	76	63	Below Cal	#	1
18) Methyl Acetate	2.49	43	3262	Below Cal	#	64
20) Methylene Chloride	2.28	84	4445	Below Cal	#	87
21) trans-1,2-Dichloroethene	2.40	96	88	Below Cal	#	1
31) Cyclohexane	3.86	56	63	Below Cal	#	15
36) 1,1-Dichloropropene	4.47	75	338	Below Cal	#	42
37) Ethyl Acetate	4.31	43	282	Below Cal	#	92
39) Methylcyclohexane	5.75	83	5070	Below Cal	#	29
41) Methacrylonitrile	4.89	41	254	Below Cal	#	47
49) 1,4-Dioxane	6.94	88	156	Below Cal	#	56
52) Toluene	7.78	92	573	Below Cal	#	28
59) 2-Hexanone	9.64	43	2227	2.536	ug/l #	55
64) Tetrachloroethene	8.30	164	79	Below Cal	#	1
68) m/p-Xylenes	10.28	106	297	Below Cal		73
78) n-propylbenzene	11.68	91	1304	Below Cal		96
79) 2-Chlorotoluene	11.81	91	643	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	11.91	105	426	Below Cal	#	31
82) 4-Chlorotoluene	11.98	91	575	Below Cal	#	44
84) 1,2,4-Trimethylbenzene	12.29	105	1056	Below Cal		91
85) sec-Butylbenzene	12.38	105	1088	Below Cal		98
86) p-Isopropyltoluene	12.54	119	732	Below Cal		84
87) 1,3-Dichlorobenzene	12.56	146	801	Below Cal	#	49
88) 1,4-Dichlorobenzene	12.64	146	1064	Below Cal	#	42
89) n-Butylbenzene	12.92	91	843	Below Cal	#	74
91) 1,2-Dichlorobenzene	13.03	146	971	Below Cal		88

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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

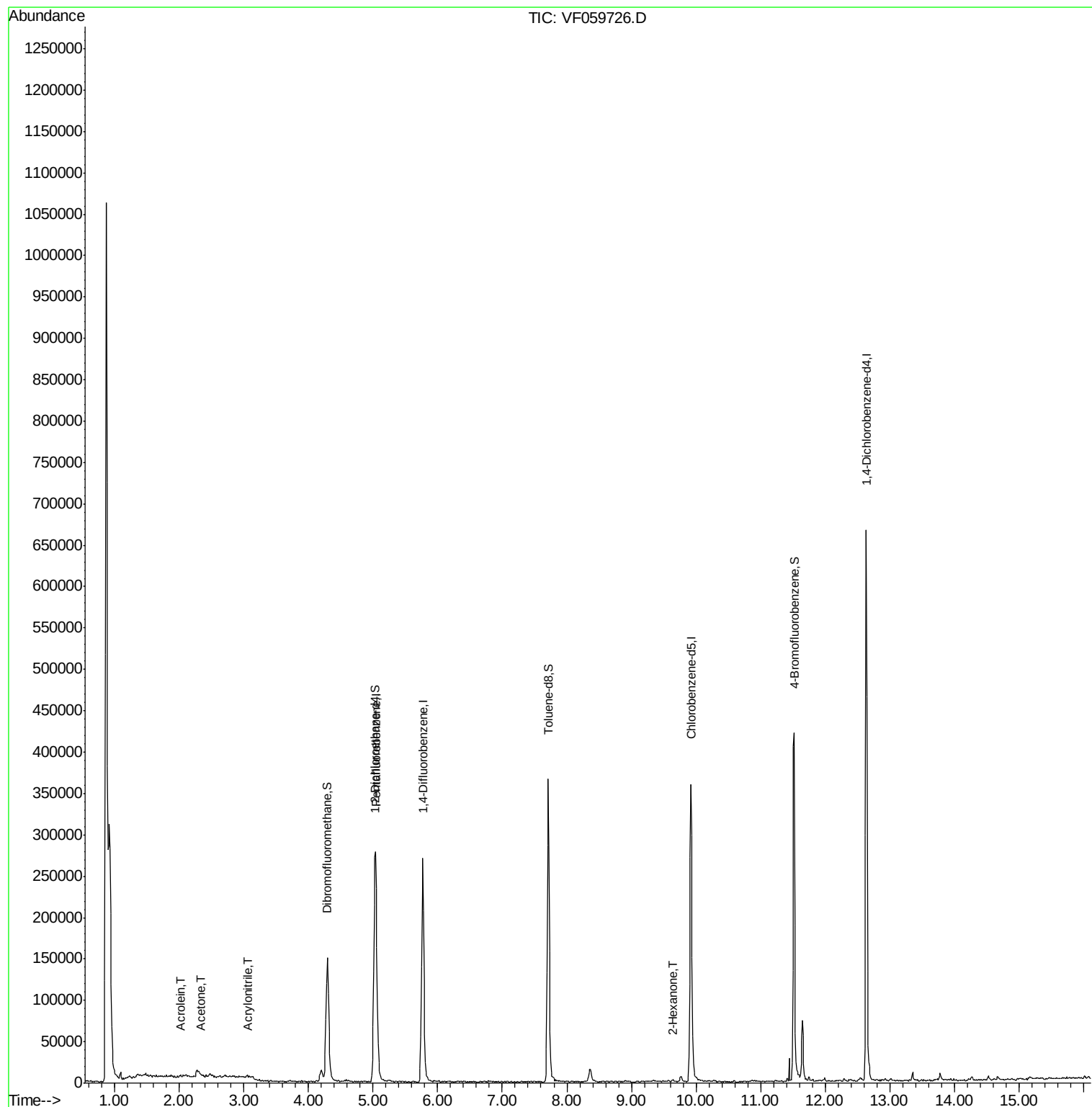
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	734	Below Cal		97

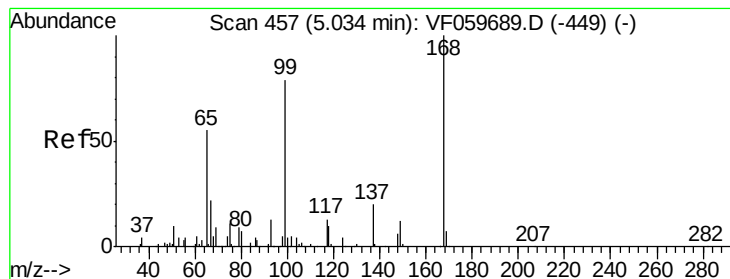
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059726.D

Acq: 1 Aug 2018 00:54

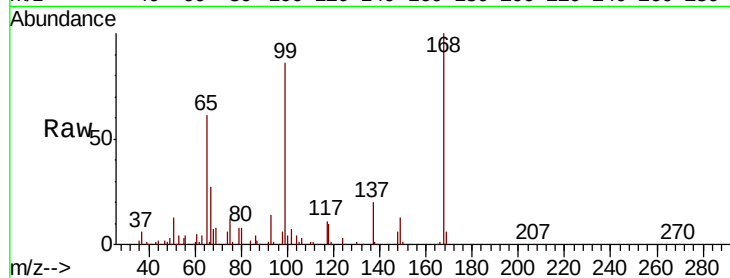
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 164389

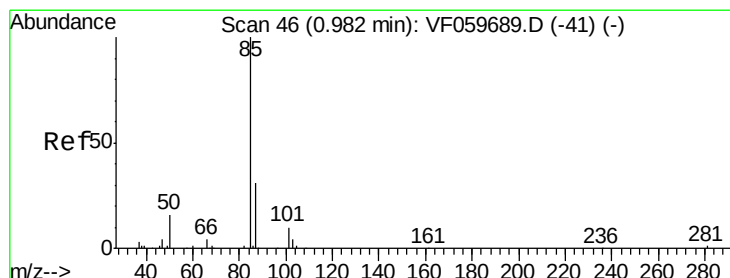
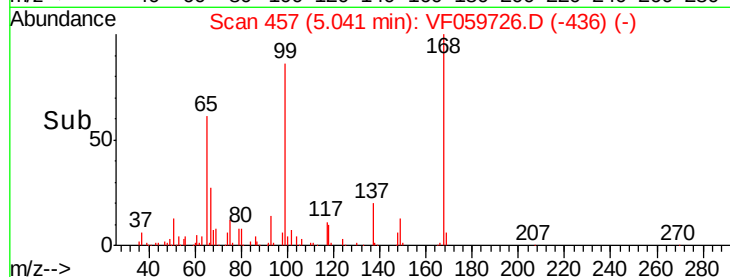
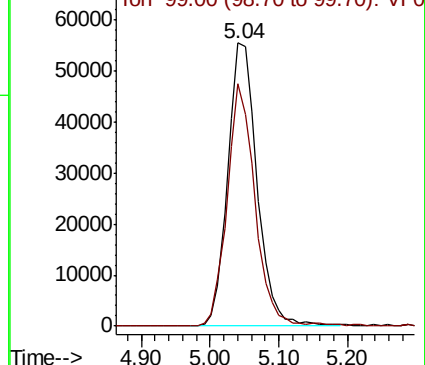
Ion Ratio Lower Upper

168 100

99 85.8 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.98 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF059726.D

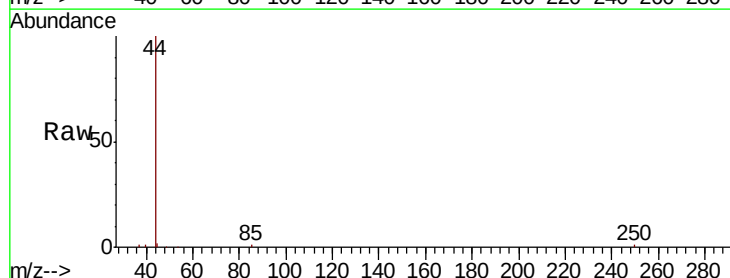
Acq: 1 Aug 2018 00:54

Tgt Ion: 85 Resp: 186

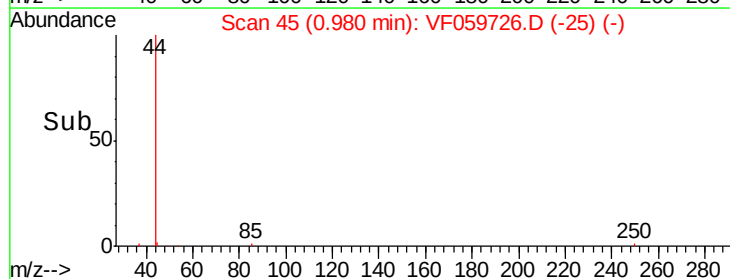
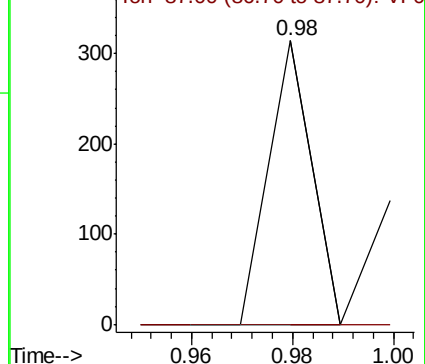
Ion Ratio Lower Upper

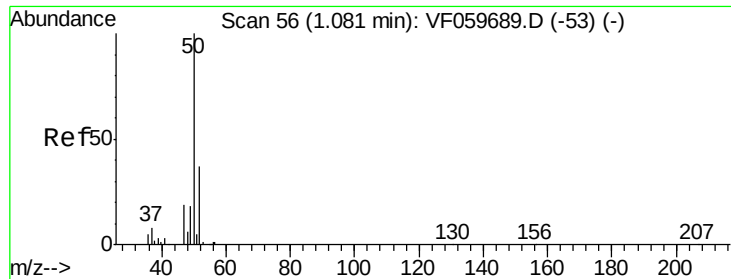
85 100

87 0.0 15.3 45.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: Below Cal

RT: 1.09 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF059726.D

Acq: 1 Aug 2018 00:54

Instrument :

MSVOA_F

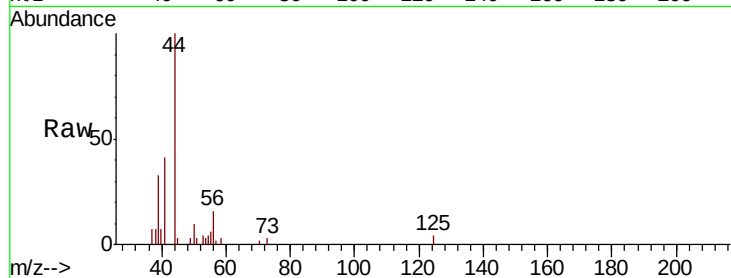
ClientSampleId :

Tot Ion: 50 Resp: 766

Ion Ratio Lower Upper

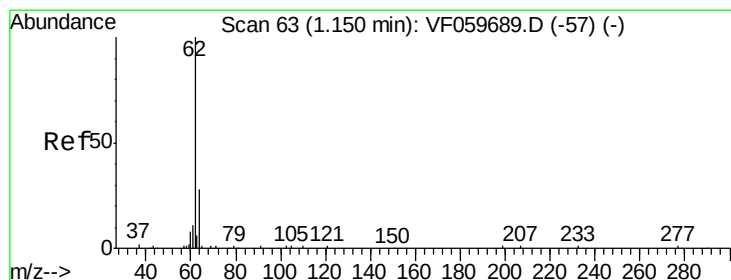
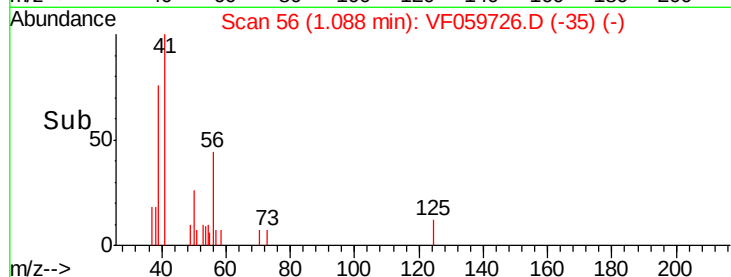
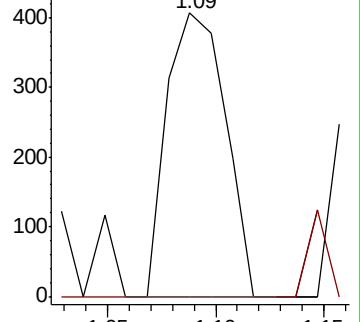
50 100

52 0.0 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: 1.06 min Scan# 53

Delta R.T. -0.09 min

Lab File: VF059726.D

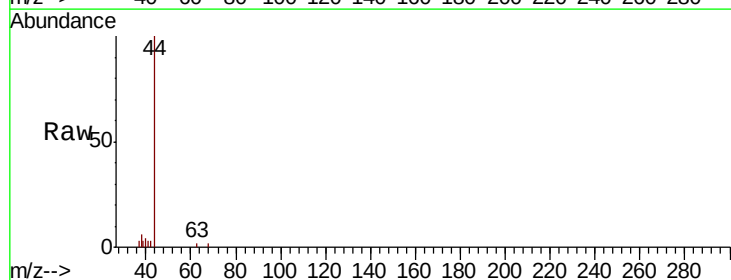
Acq: 1 Aug 2018 00:54

Tgt Ion: 62 Resp: 60

Ion Ratio Lower Upper

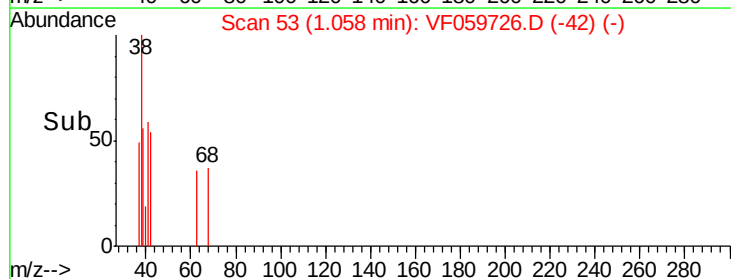
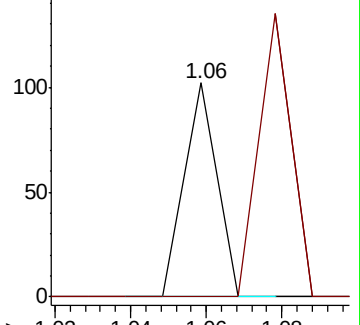
62 100

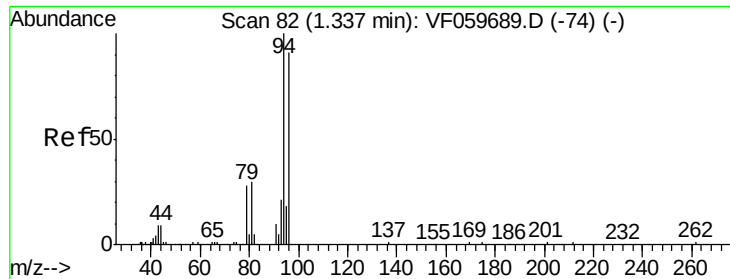
64 0.0 22.6 33.8#



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: 1.35 min Scan# 83

Delta R.T. 0.02 min

Lab File: VF059726.D

Acq: 1 Aug 2018 00:54

Instrument :

MSVOA_F

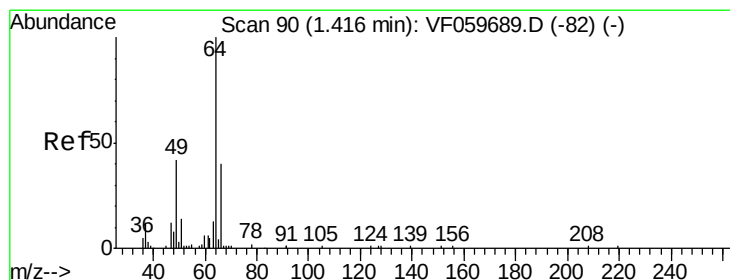
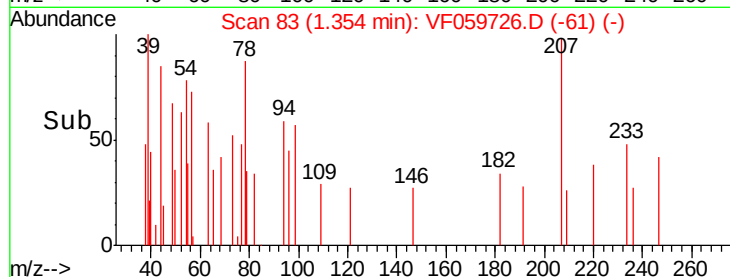
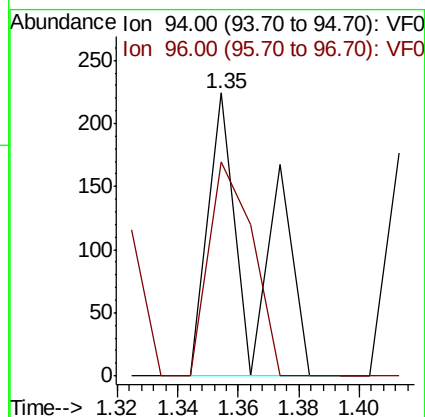
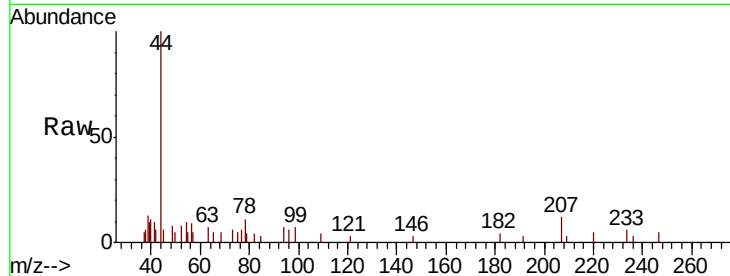
ClientSampled :

Tot Ion: 94 Resp: 232

Ion Ratio Lower Upper

94 100

96 75.9 73.6 110.4



#6

Chloroethane

Concen: Below Cal

RT: 1.42 min Scan# 90

Delta R.T. 0.01 min

Lab File: VF059726.D

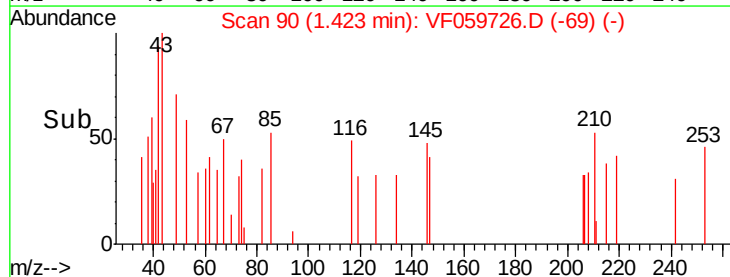
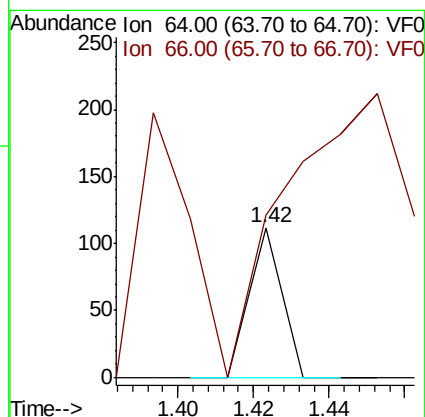
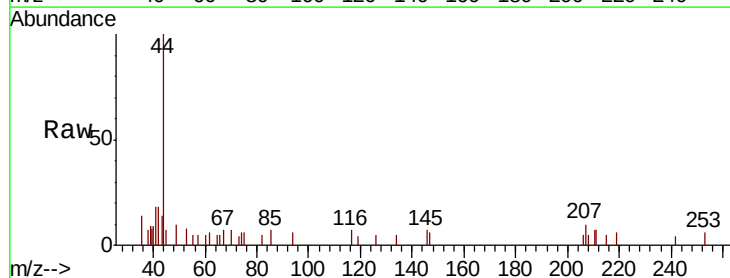
Acq: 1 Aug 2018 00:54

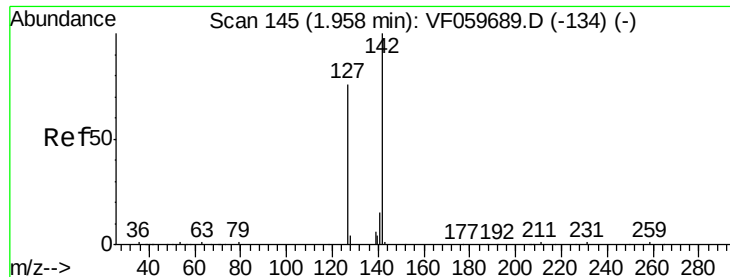
Tgt Ion: 64 Resp: 66

Ion Ratio Lower Upper

64 100

66 108.0 32.6 49.0#





#10

Methyl Iodide

Concen: Below Cal

RT: 2.05 min Scan# 154

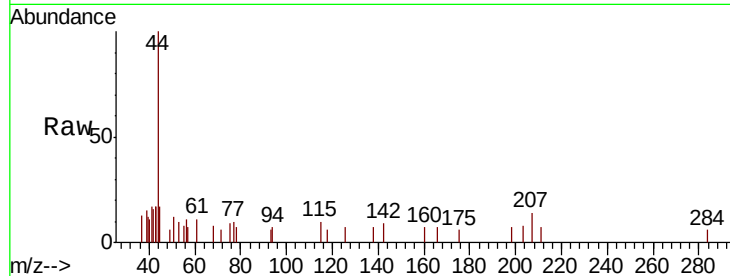
Delta R.T. 0.10 min

Lab File: VF059726.D

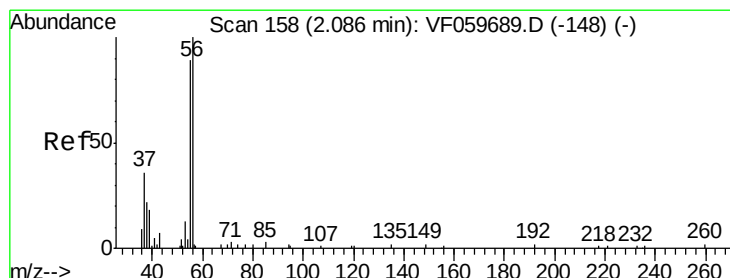
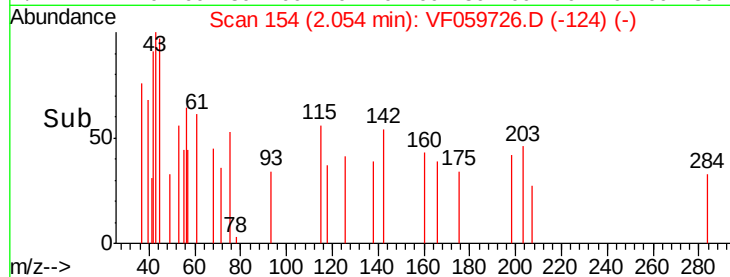
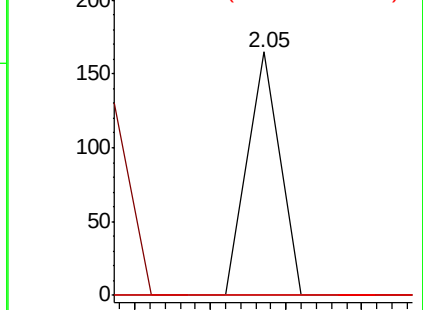
Acq: 1 Aug 2018 00:54

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	142	Resp:	98
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



#13

Acrolein

Concen: 20.759 ug/l

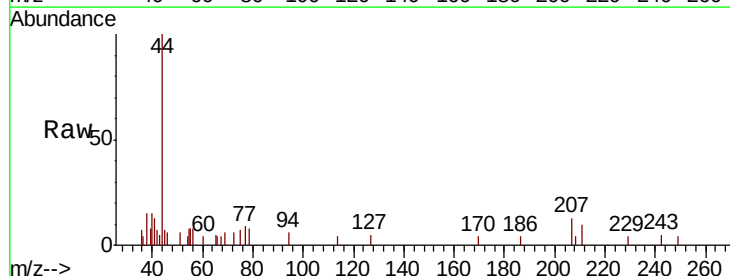
RT: 2.01 min Scan# 150

Delta R.T. -0.07 min

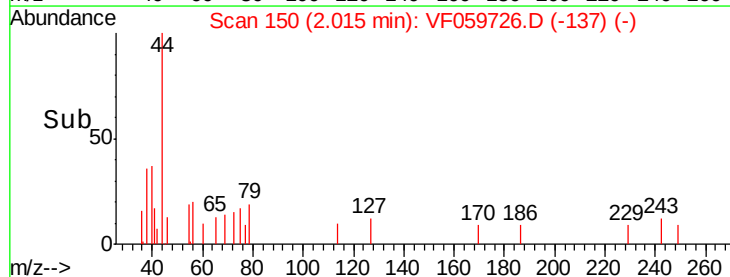
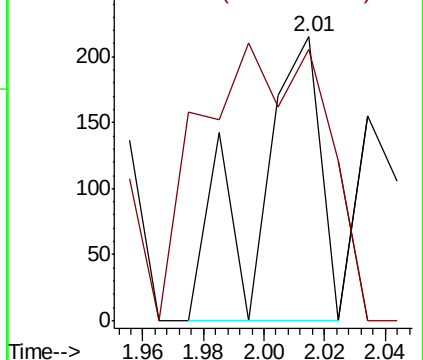
Lab File: VF059726.D

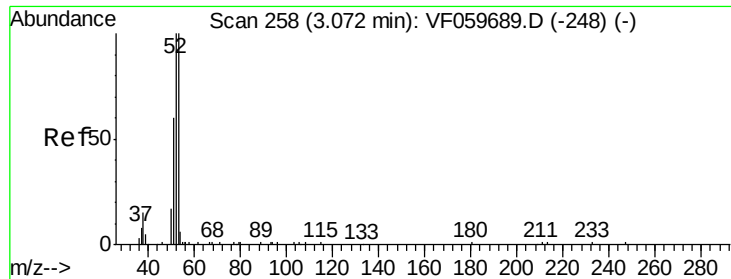
Acq: 1 Aug 2018 00:54

Tgt Ion:	56	Resp:	313
Ion	Ratio	Lower	Upper
56	100		
55	95.8	73.2	109.8



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 55.00 (54.70 to 55.70): VF0





#15

Acrylonitrile

Concen: 1.634 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.01 min

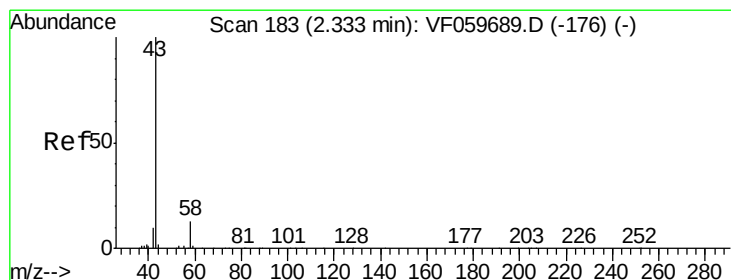
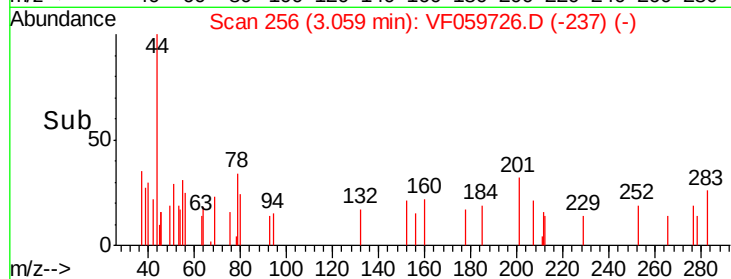
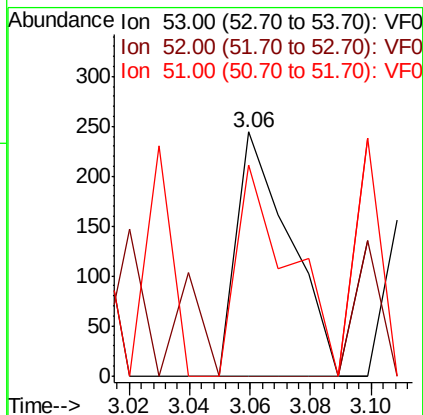
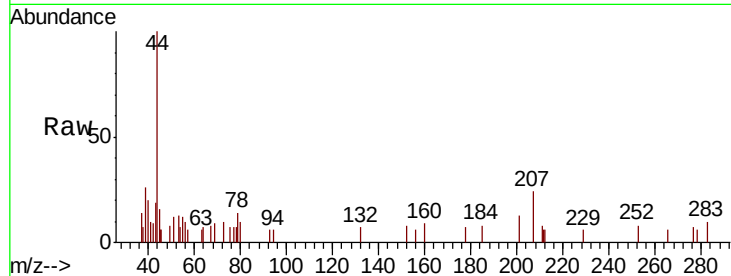
Lab File: VF059726.D

Acq: 1 Aug 2018 00:54

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 53 Resp: 300

Ion	Ratio	Lower	Upper
53	100		
52	0.0	80.3	120.5#
51	56.9	49.4	74.0



#16

Acetone

Concen: 5.085 ug/l

RT: 2.35 min Scan# 184

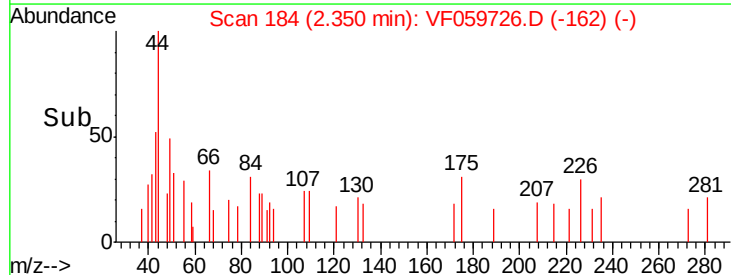
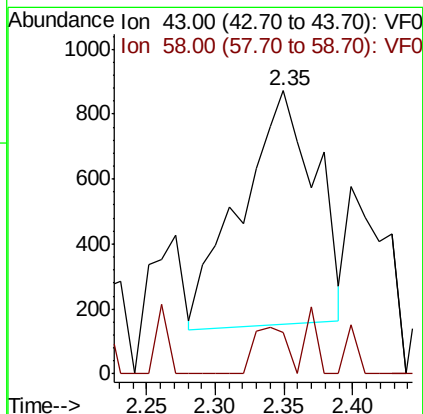
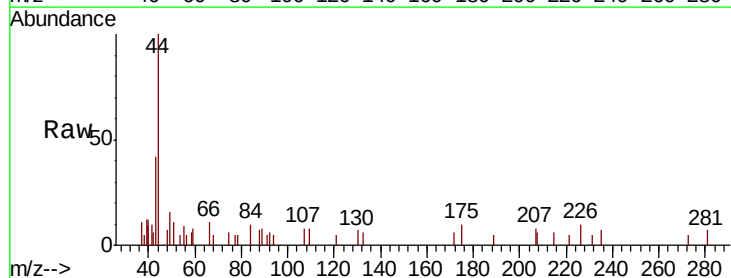
Delta R.T. 0.02 min

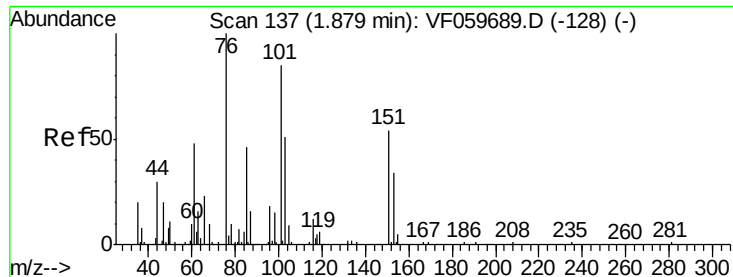
Lab File: VF059726.D

Acq: 1 Aug 2018 00:54

Tgt Ion: 43 Resp: 2702

Ion	Ratio	Lower	Upper
43	100		
58	14.4	10.1	15.1

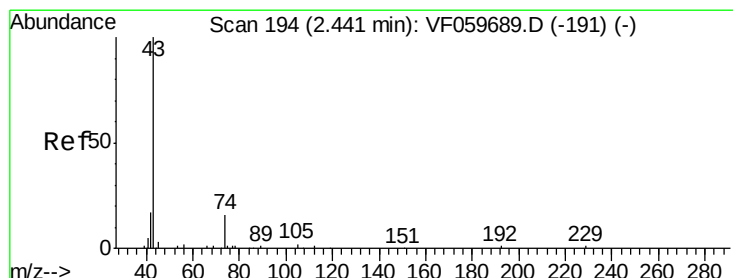
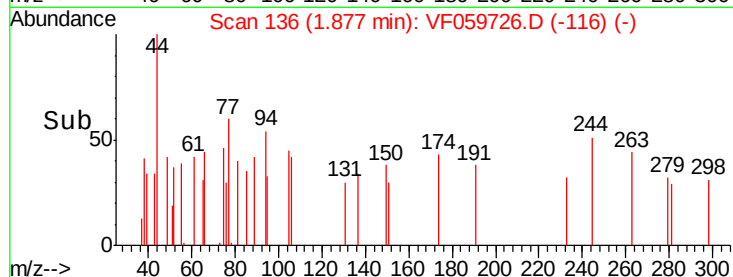
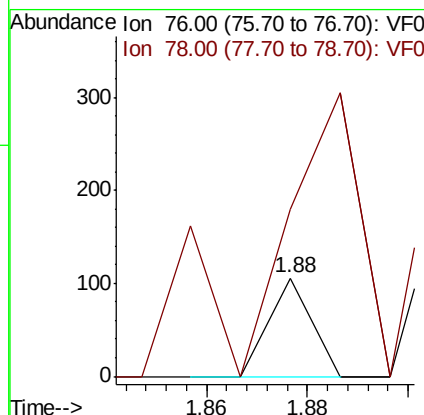
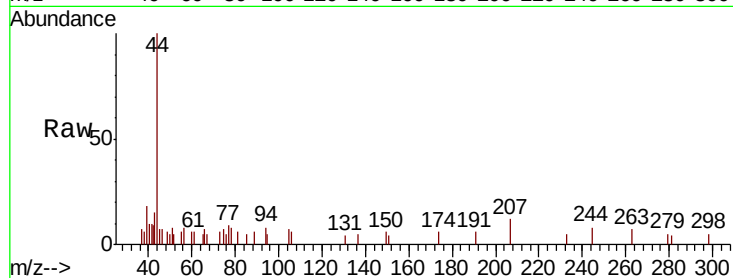




#17
Carbon Disulfide
Concen: Below Cal
RT: 1.88 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF059726.D
Acq: 1 Aug 2018 00:54

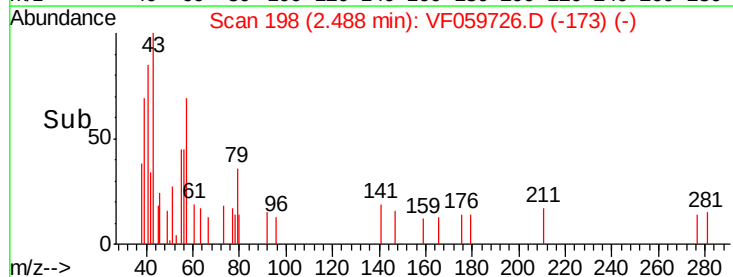
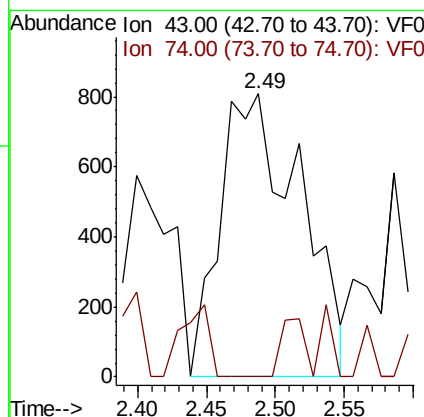
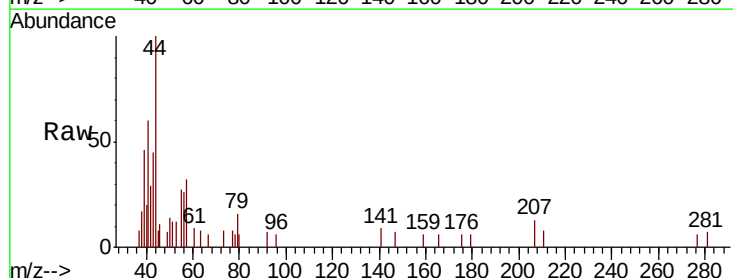
Instrument :
MSVOA_F
ClientSampled :

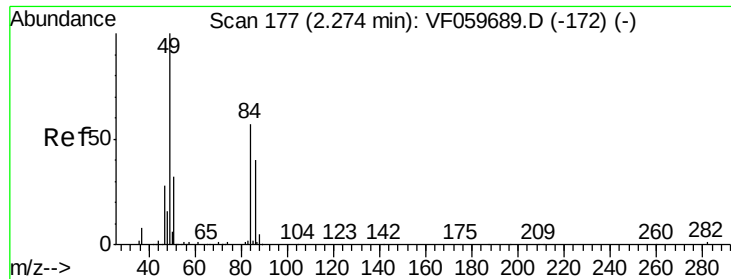
Tot Ion: 76 Resp: 63
Ion Ratio Lower Upper
76 100
78 169.8 8.9 13.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.49 min Scan# 198
Delta R.T. 0.05 min
Lab File: VF059726.D
Acq: 1 Aug 2018 00:54

Tgt Ion: 43 Resp: 3262
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#

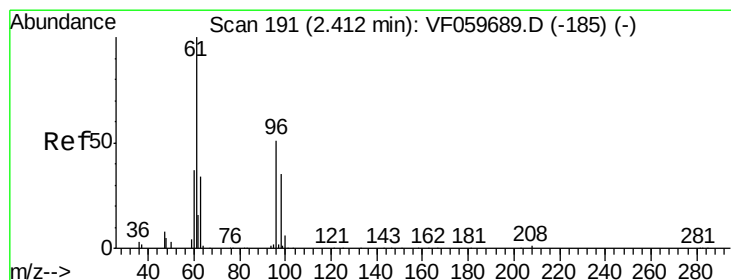
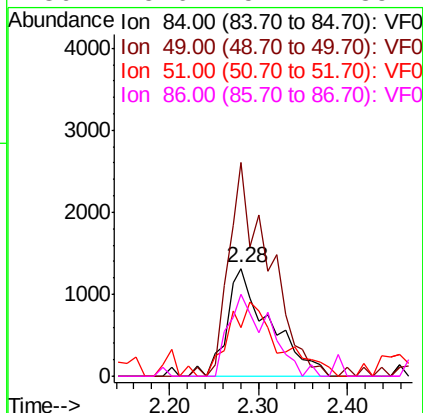
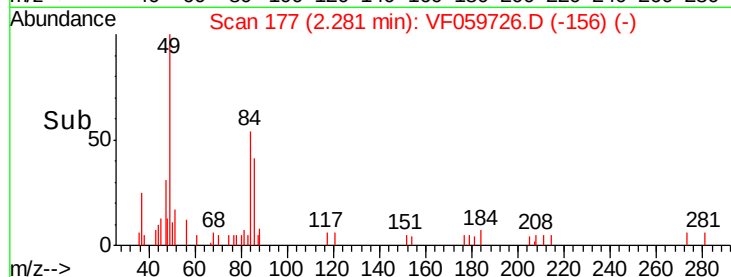
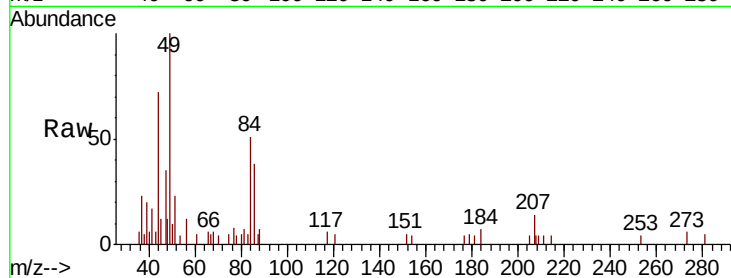




#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF059726.D
Acq: 1 Aug 2018 00:54

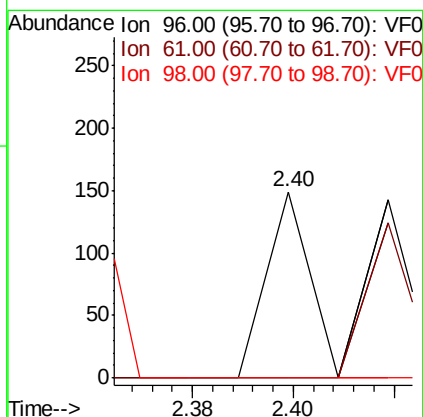
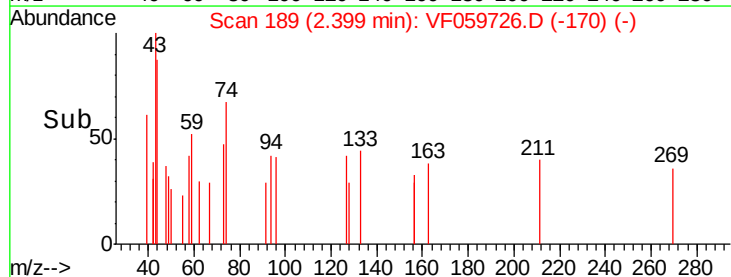
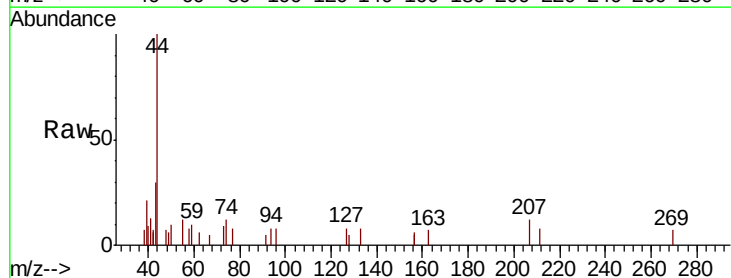
Instrument :
MSVOA_F
ClientSampleId :

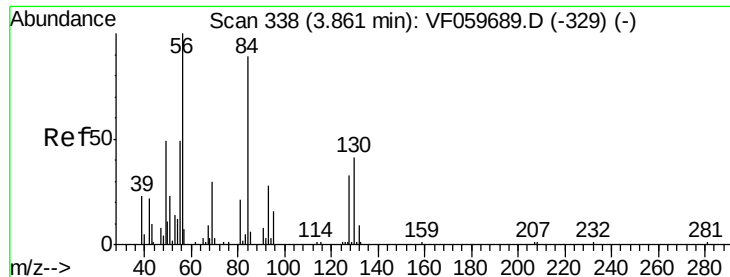
Tot Ion: 84 Resp: 4445
Ion Ratio Lower Upper
84 100
49 197.6 142.2 213.4
51 44.8 46.2 69.2#
86 75.6 57.1 85.7



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 2.40 min Scan# 189
Delta R.T. -0.01 min
Lab File: VF059726.D
Acq: 1 Aug 2018 00:54

Tgt Ion: 96 Resp: 88
Ion Ratio Lower Upper
96 100
61 0.0 157.4 236.0#
98 0.0 55.0 82.4#

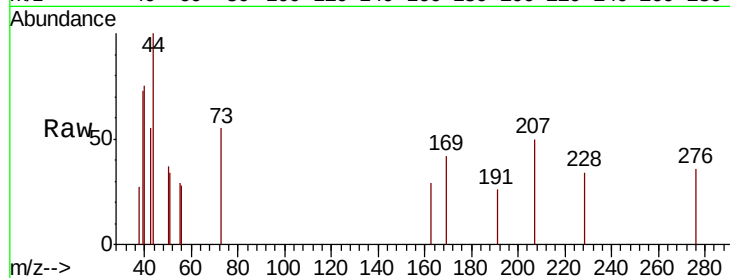




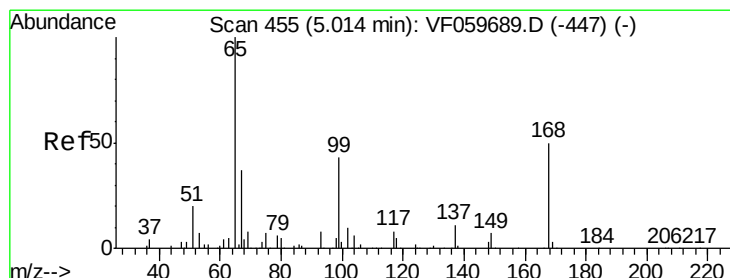
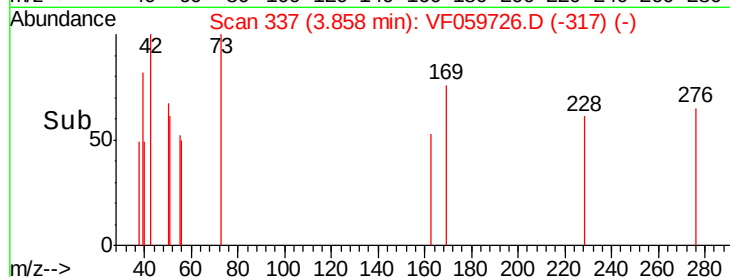
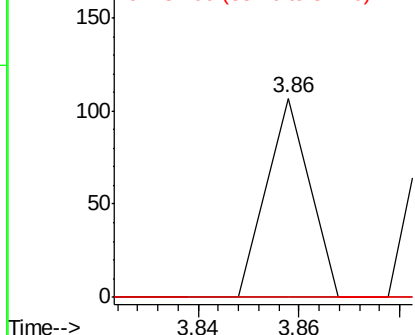
#31
Cyclohexane
Concen: Below Cal
RT: 3.86 min Scan# 337
Delta R.T. -0.00 min
Lab File: VF059726.D
Acq: 1 Aug 2018 00:54

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
69 0.0 23.7 35.5#
84 0.0 71.1 106.7#

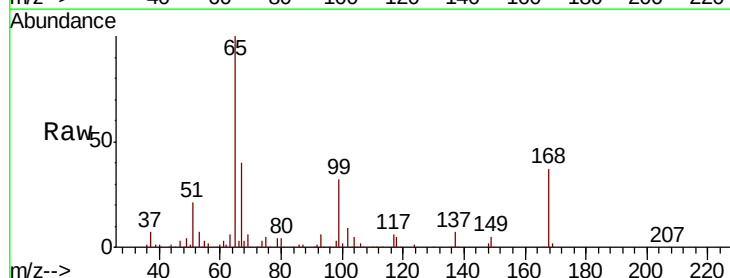


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

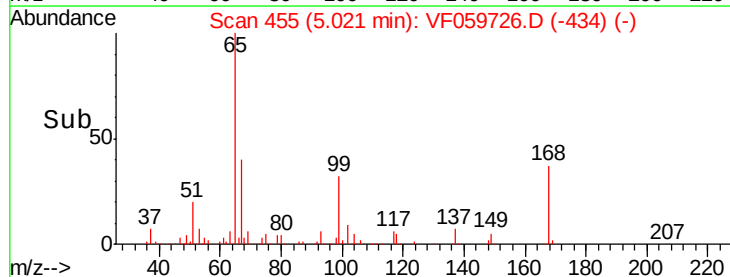
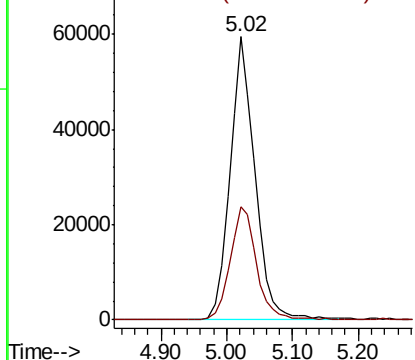


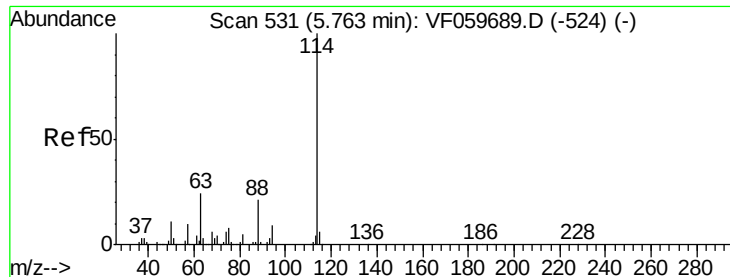
#33
1,2-Dichloroethane-d4
Concen: 53.280 ug/l
RT: 5.02 min Scan# 455
Delta R.T. 0.01 min
Lab File: VF059726.D
Acq: 1 Aug 2018 00:54

Tgt Ion: 65 Resp: 157409
Ion Ratio Lower Upper
65 100
67 40.0 0.0 84.6



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. 0.01 min

Lab File: VF059726.D

Acq: 1 Aug 2018 00:54

Instrument :
MSVOA_F
ClientSampleId :

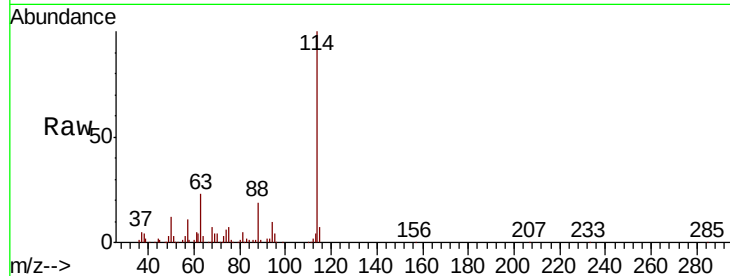
Tot Ion:114 Resp: 240871

Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.4

88 19.2 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

120000

100000

80000

60000

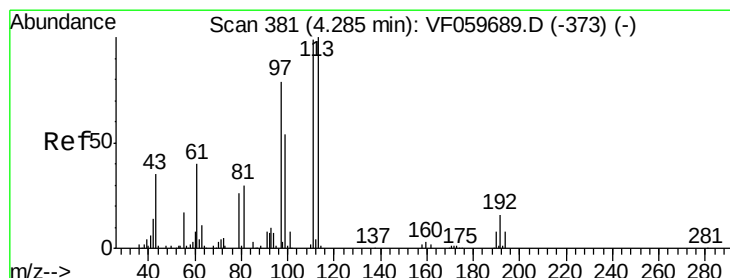
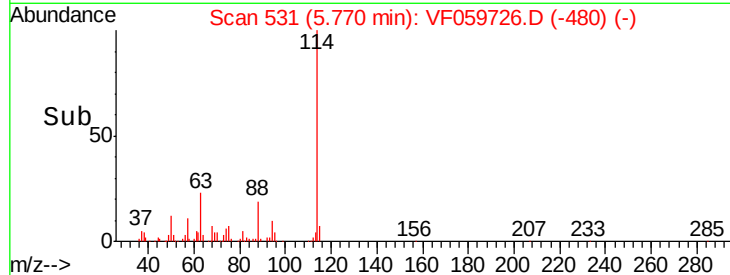
40000

20000

0

5.60 5.70 5.80 5.90

Time-->



#35

Dibromofluoromethane

Concen: 50.984 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059726.D

Acq: 1 Aug 2018 00:54

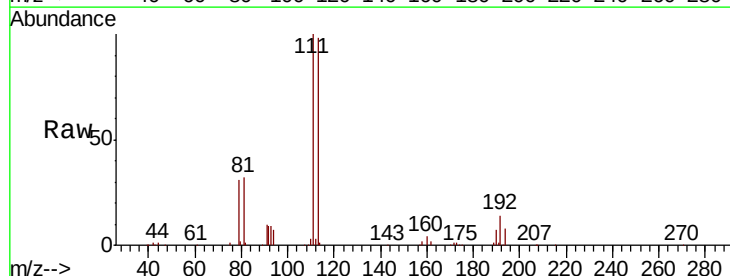
Tgt Ion:113 Resp: 127553

Ion Ratio Lower Upper

113 100

111 101.6 79.0 118.4

192 14.4 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

50000

40000

30000

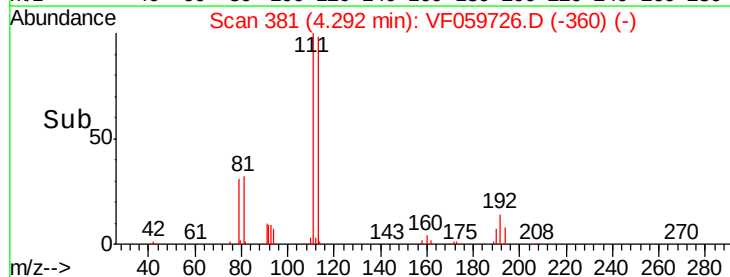
20000

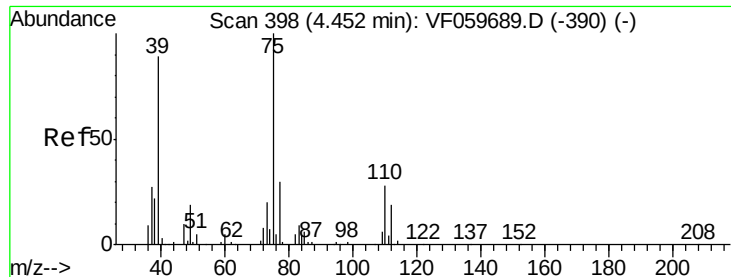
10000

0

4.20 4.30 4.40

Time-->

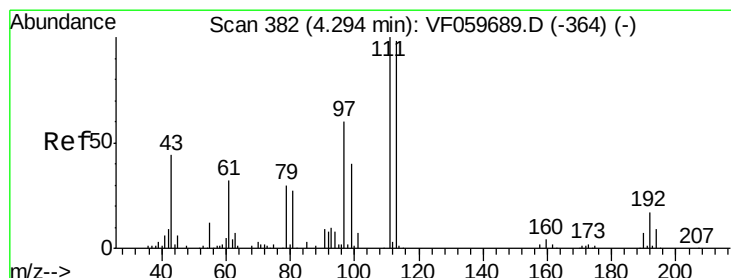
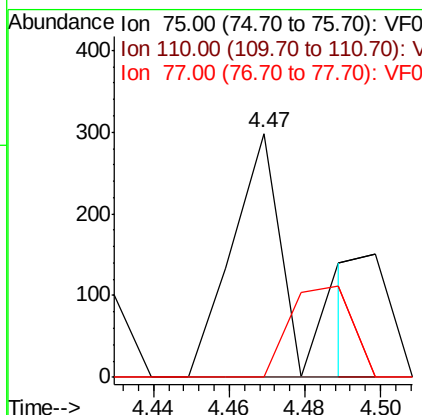
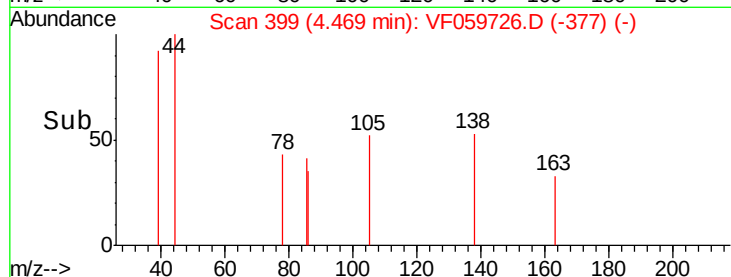
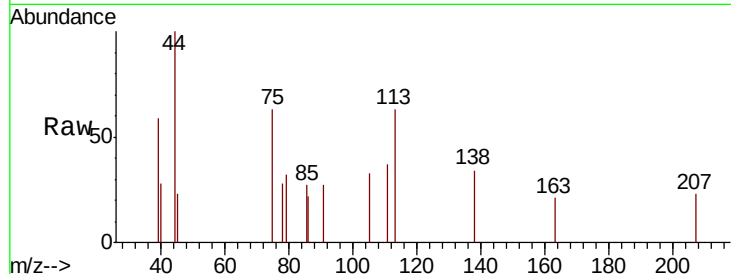




#36
1,1-Dichloropropene
Concen: Below Cal
RT: 4.47 min Scan# 399
Delta R.T. 0.02 min
Lab File: VF059726.D
Acq: 1 Aug 2018 00:54

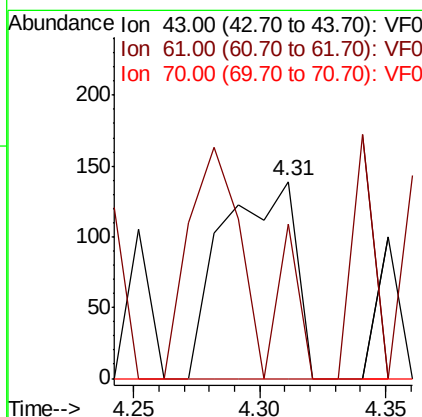
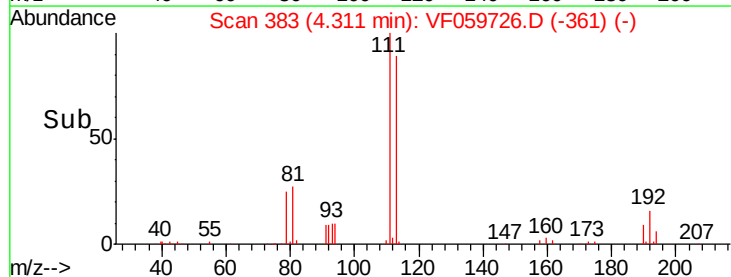
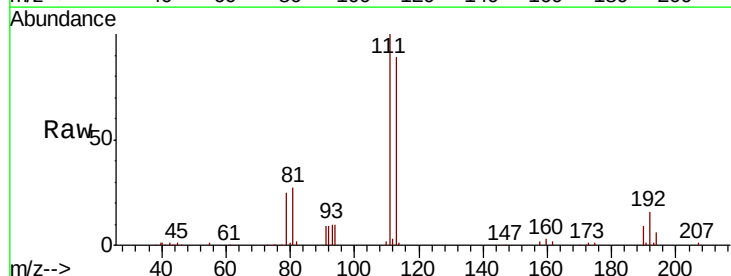
Instrument :
MSVOA_F
ClientSampled :

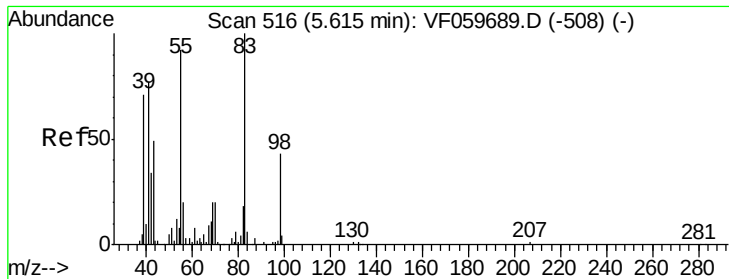
Tot Ion: 75 Resp: 338
Ion Ratio Lower Upper
75 100
110 59.7 14.0 41.9#
77 0.0 24.2 36.2#



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.31 min Scan# 383
Delta R.T. 0.02 min
Lab File: VF059726.D
Acq: 1 Aug 2018 00:54

Tgt Ion: 43 Resp: 282
Ion Ratio Lower Upper
43 100
61 78.4 58.2 87.2
70 0.0 6.0 9.0#





#39

Methylcyclohexane

Concen: Below Cal

RT: 5.75 min Scan# 529

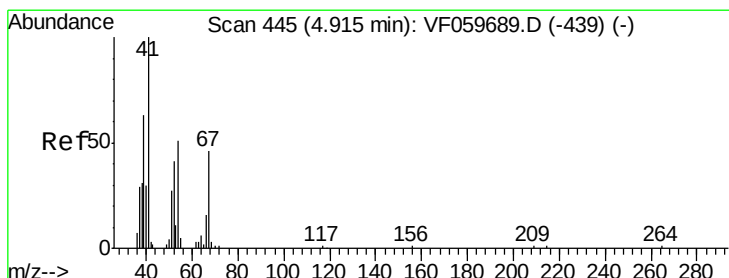
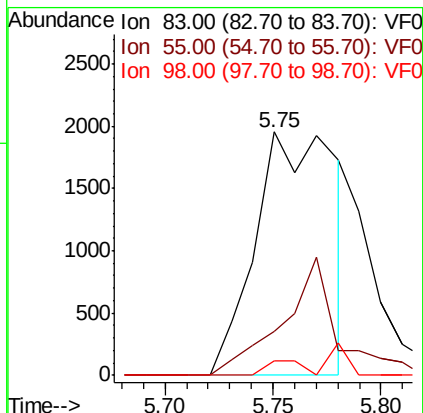
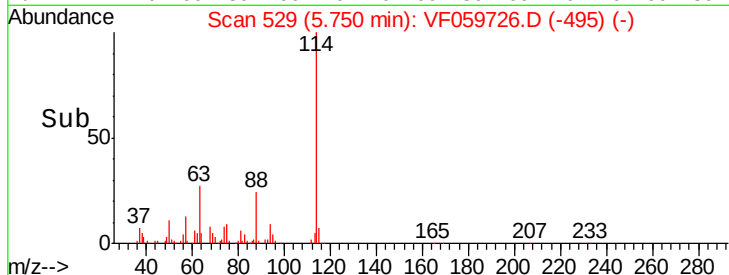
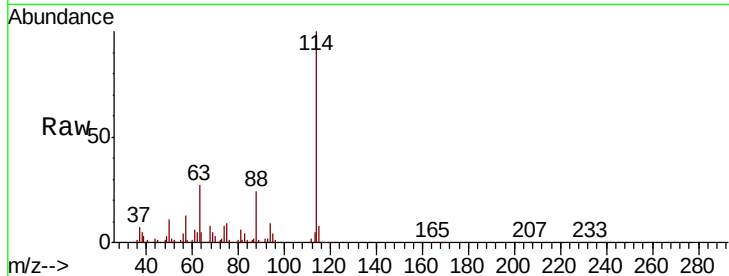
Delta R.T. 0.14 min

Lab File: VF059726.D

Acq: 1 Aug 2018 00:54

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	83	Resp:	5070
Ion	Ratio	Lower	Upper
83	100		
55	18.0	73.4	110.2#
98	5.7	34.2	51.4#



#41

Methacrylonitrile

Concen: Below Cal

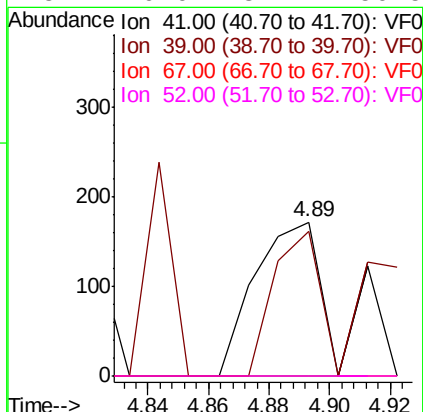
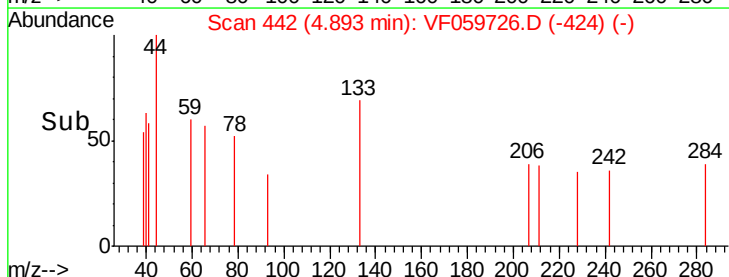
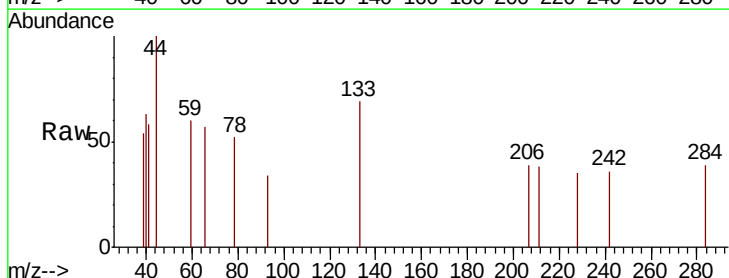
RT: 4.89 min Scan# 442

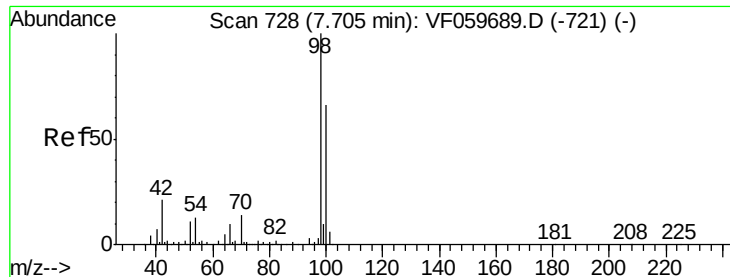
Delta R.T. -0.02 min

Lab File: VF059726.D

Acq: 1 Aug 2018 00:54

Tgt Ion:	41	Resp:	254
Ion	Ratio	Lower	Upper
41	100		
39	93.6	55.2	82.8#
67	0.0	36.2	54.2#
52	0.0	37.7	56.5#

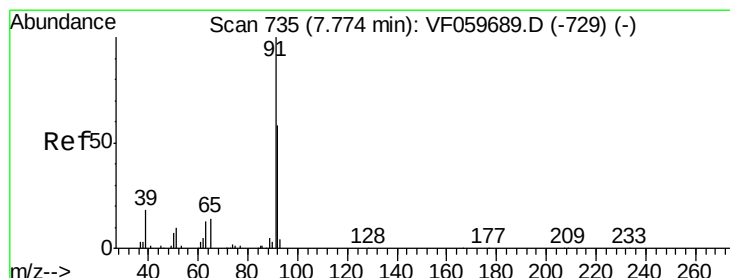
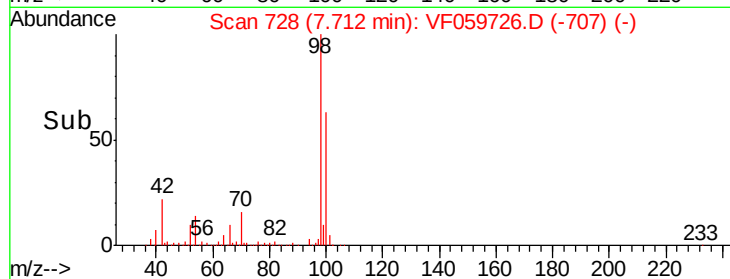
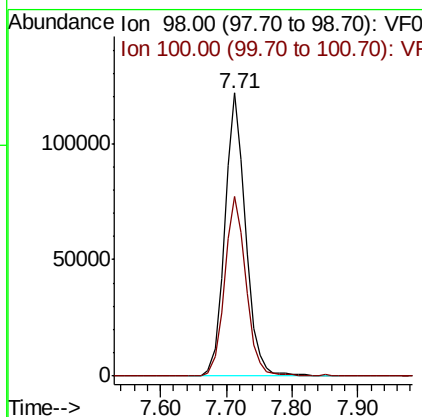
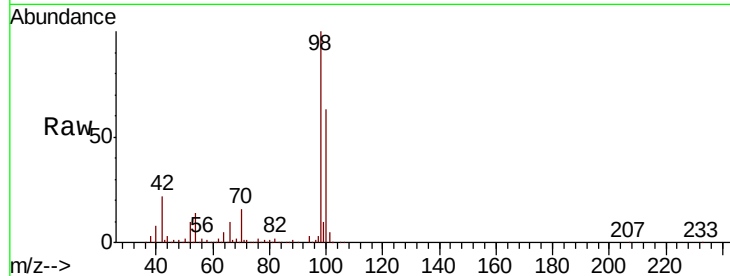




#50
Toluene-d8
Concen: 46.175 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.01 min
Lab File: VF059726.D
Acq: 1 Aug 2018 00:54

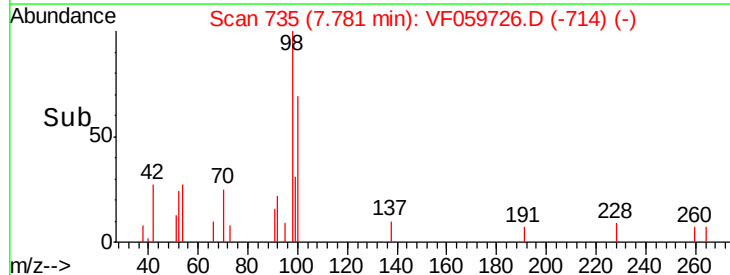
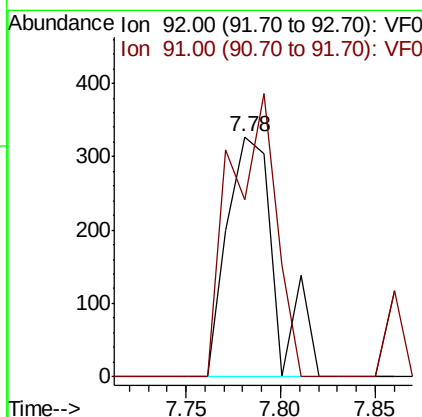
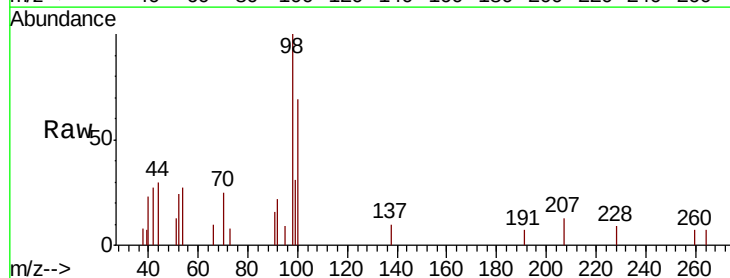
Instrument :
MSVOA_F
ClientSampled :

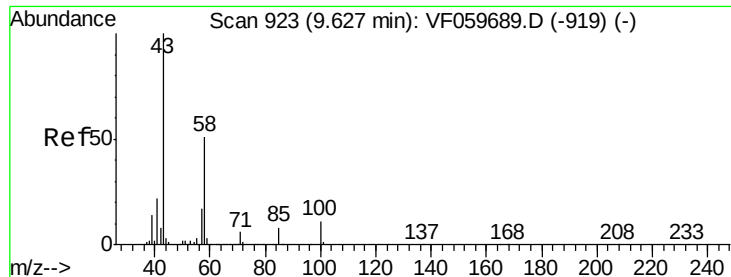
Tot Ion: 98 Resp: 269392
Ion Ratio Lower Upper
98 100
100 63.3 52.8 79.2



#52
Toluene
Concen: Below Cal
RT: 7.78 min Scan# 735
Delta R.T. 0.01 min
Lab File: VF059726.D
Acq: 1 Aug 2018 00:54

Tgt Ion: 92 Resp: 573
Ion Ratio Lower Upper
92 100
91 74.0 139.0 208.4#

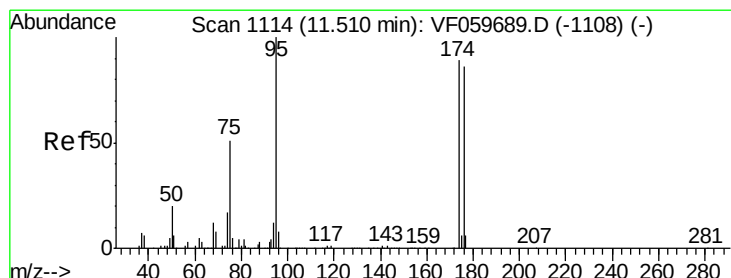
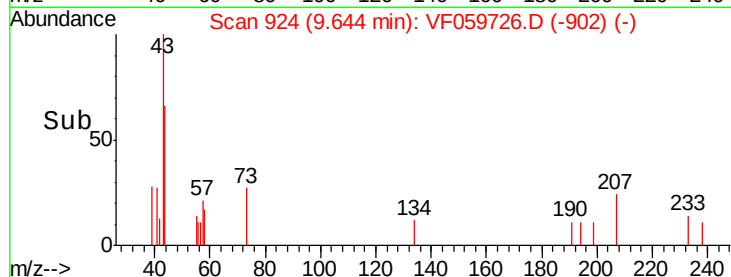
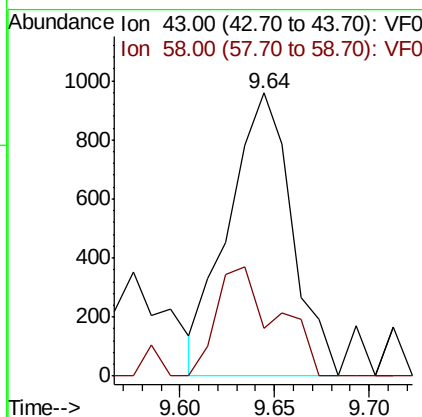
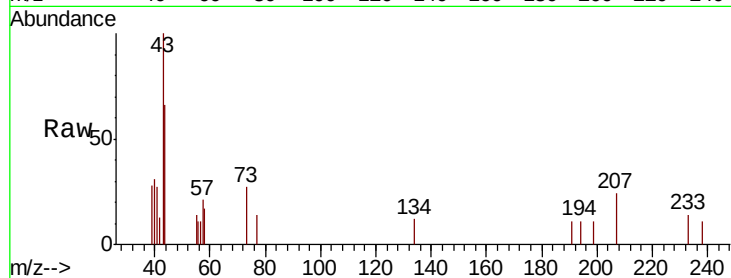




#59
2-Hexanone
Concen: 2.536 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.02 min
Lab File: VF059726.D
Acq: 1 Aug 2018 00:54

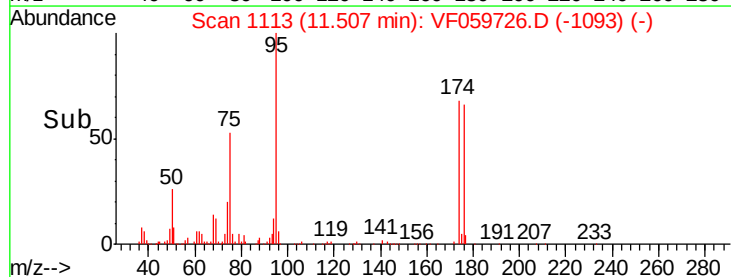
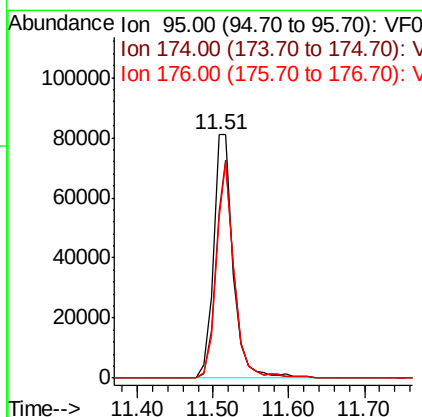
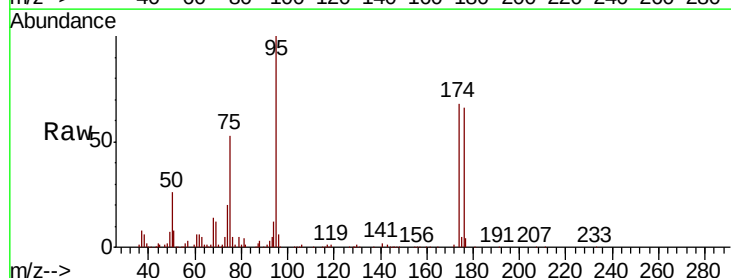
Instrument :
MSVOA_F
ClientSampled :

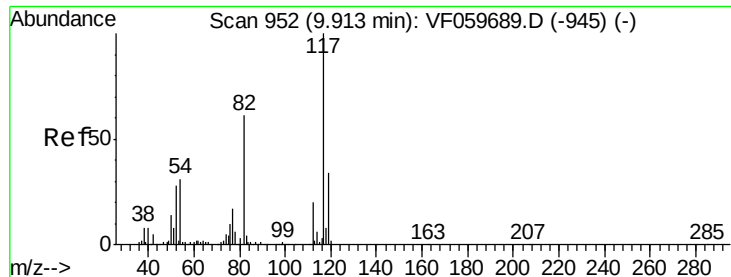
Tot Ion: 43 Resp: 2227
Ion Ratio Lower Upper
43 100
58 16.9 23.3 69.8#



#62
4-Bromofluorobenzene
Concen: 46.275 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF059726.D
Acq: 1 Aug 2018 00:54

Tgt Ion: 95 Resp: 149458
Ion Ratio Lower Upper
95 100
174 68.4 0.0 178.4
176 65.8 0.0 173.0

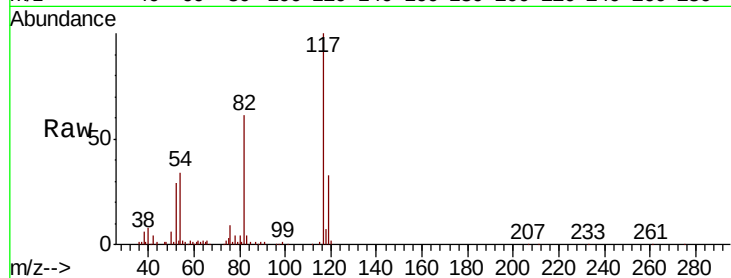




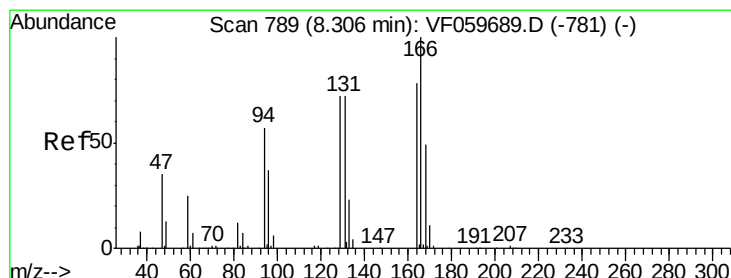
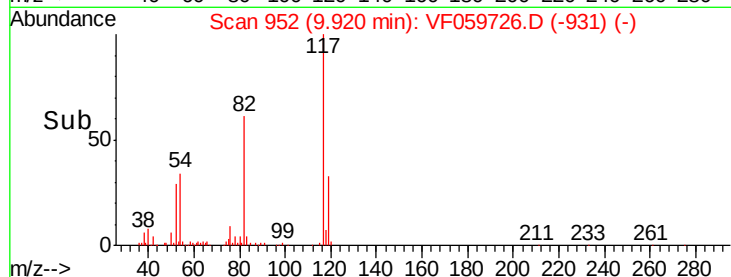
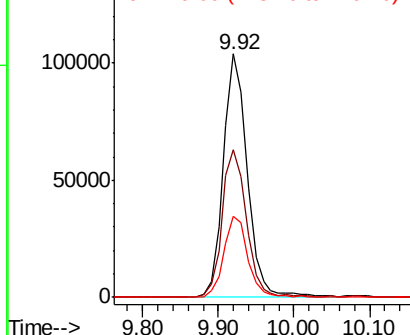
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF059726.D
Acq: 1 Aug 2018 00:54

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 229315
Ion Ratio Lower Upper
117 100
82 60.7 49.0 73.4
119 33.3 27.3 40.9

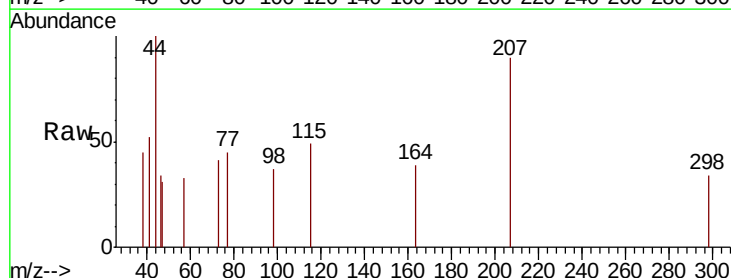


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

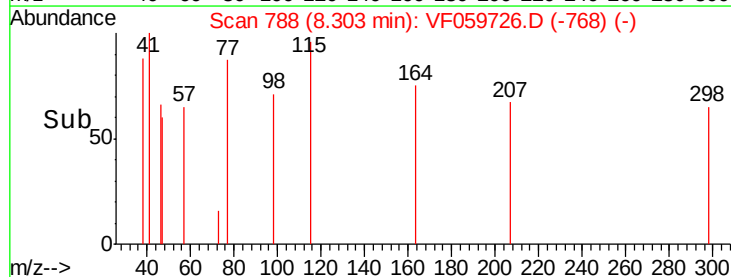
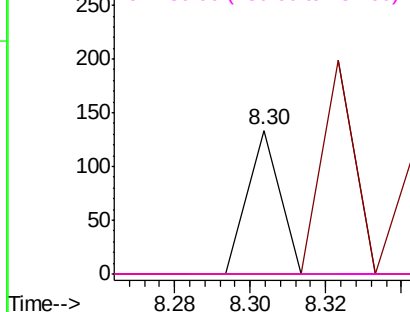


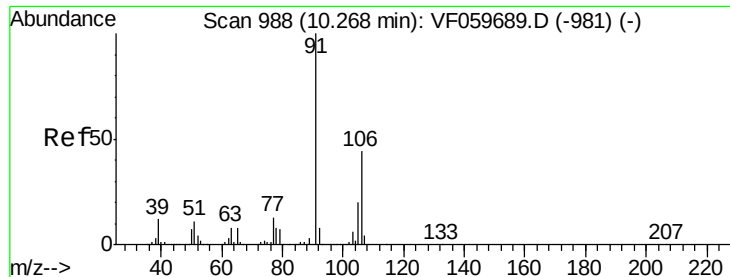
#64
Tetrachloroethene
Concen: Below Cal
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF059726.D
Acq: 1 Aug 2018 00:54

Tgt Ion:164 Resp: 79
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#



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

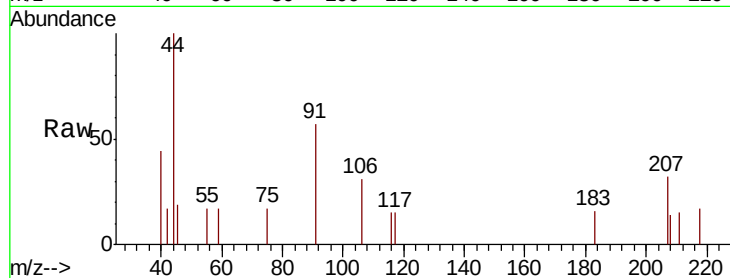




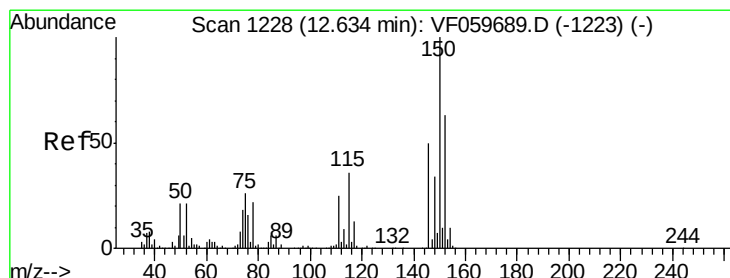
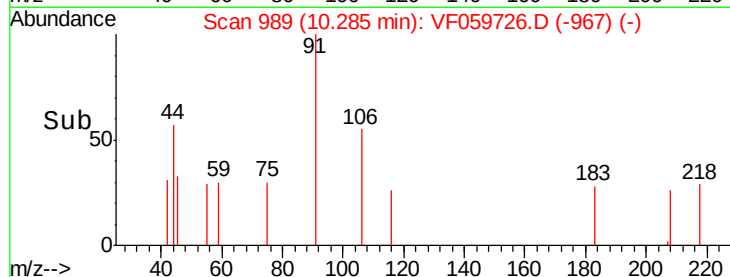
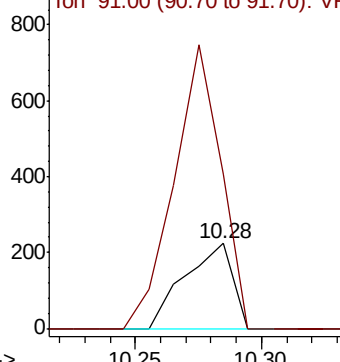
#68
m/p-Xvlenes
Concen: Below Cal
RT: 10.28 min Scan# 989
Delta R.T. 0.02 min
Lab File: VF059726.D
Acq: 1 Aug 2018 00:54

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:106 Resp: 297
Ion Ratio Lower Upper
106 100
91 182.5 181.7 272.5

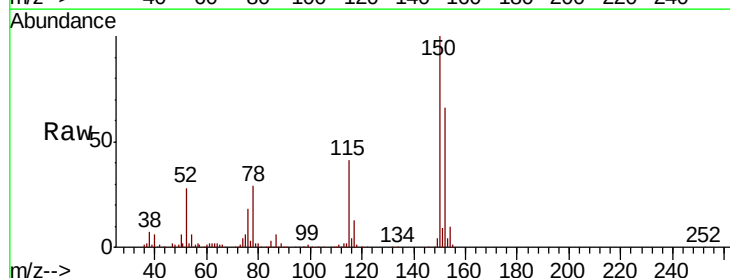


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

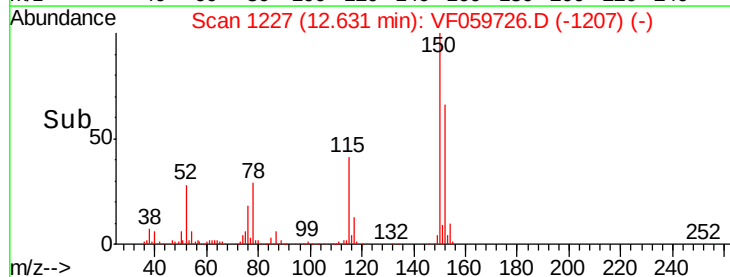
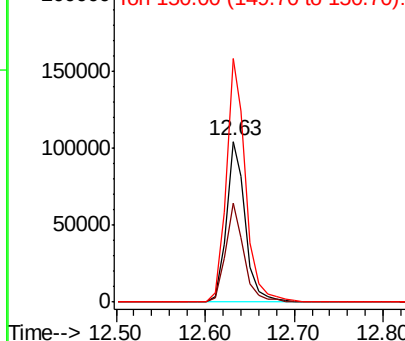


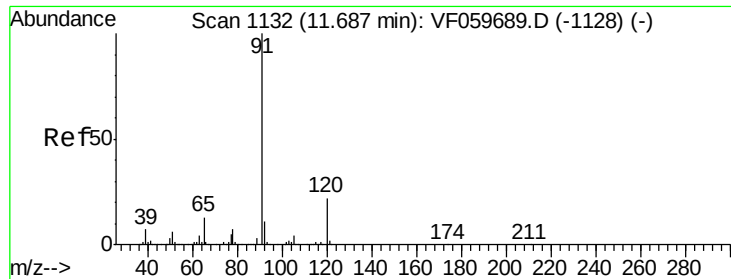
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059726.D
Acq: 1 Aug 2018 00:54

Tgt Ion:152 Resp: 157481
Ion Ratio Lower Upper
152 100
115 61.8 28.2 84.6
150 151.7 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





#78

n-propylbenzene

Concen: Below Cal

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF059726.D

Acq: 1 Aug 2018 00:54

Instrument :

MSVOA_F

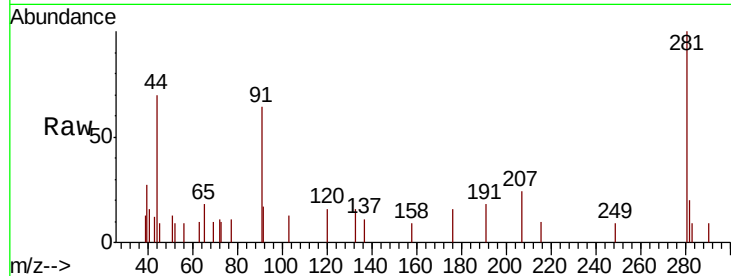
ClientSampled :

Tot Ion: 91 Resp: 1304

Ion Ratio Lower Upper

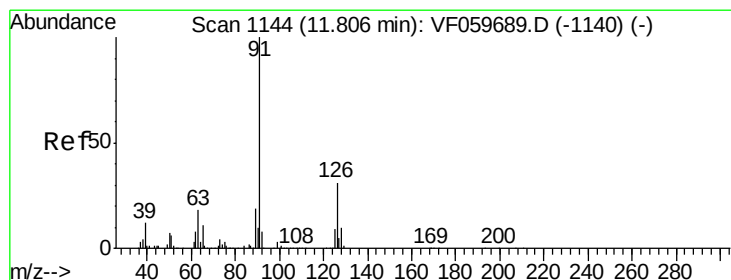
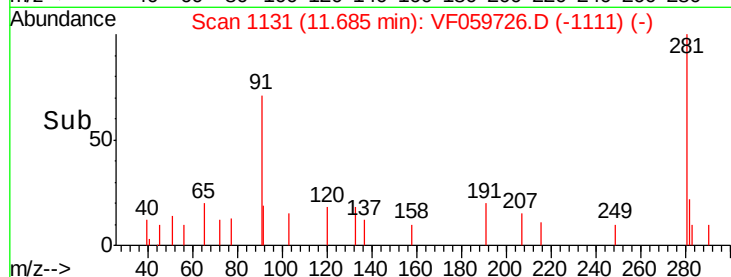
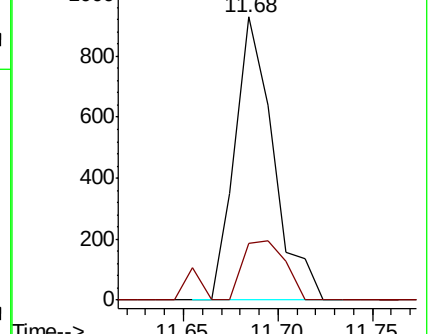
91 100

120 20.3 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. 0.01 min

Lab File: VF059726.D

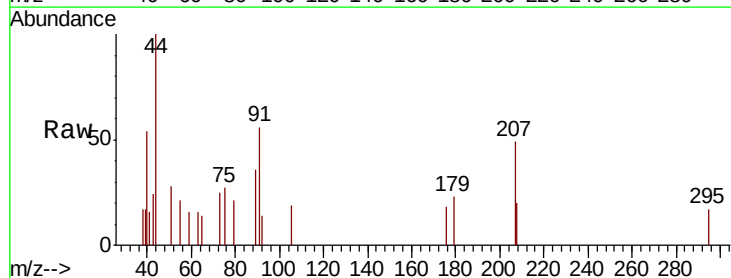
Acq: 1 Aug 2018 00:54

Tgt Ion: 91 Resp: 643

Ion Ratio Lower Upper

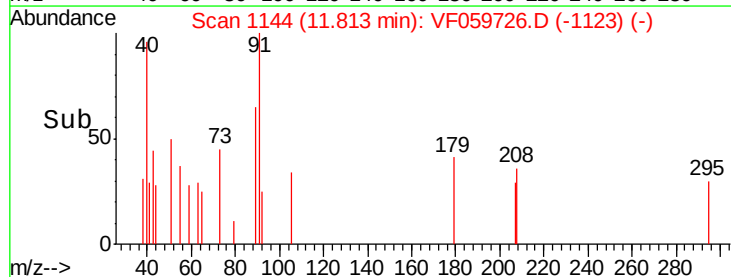
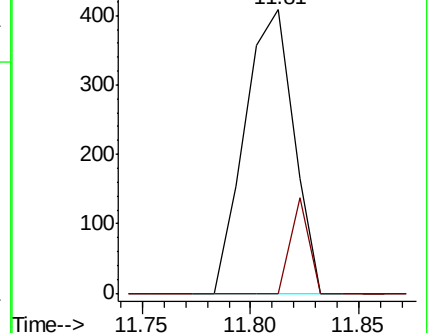
91 100

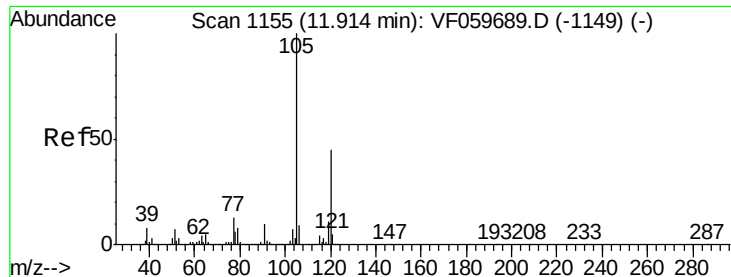
126 0.0 15.4 46.2#



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: 11.91 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VF059726.D

Acq: 1 Aug 2018 00:54

Instrument :

MSVOA_F

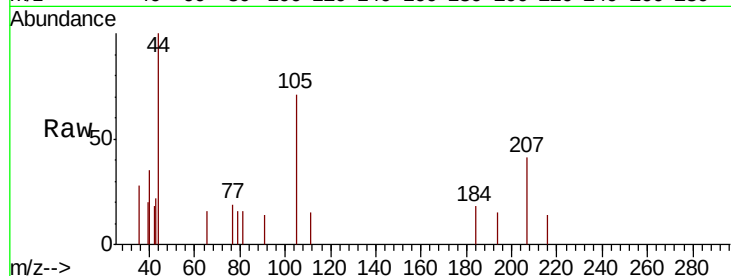
ClientSampleId :

Tot Ion:105 Resp: 426

Ion Ratio Lower Upper

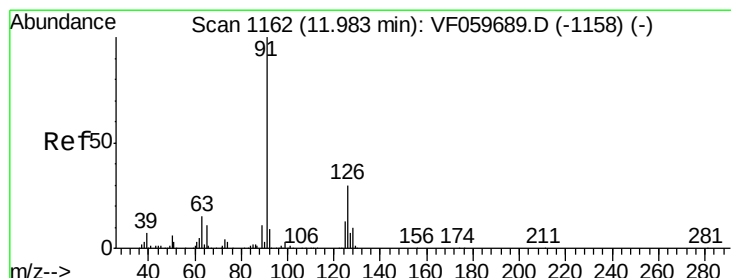
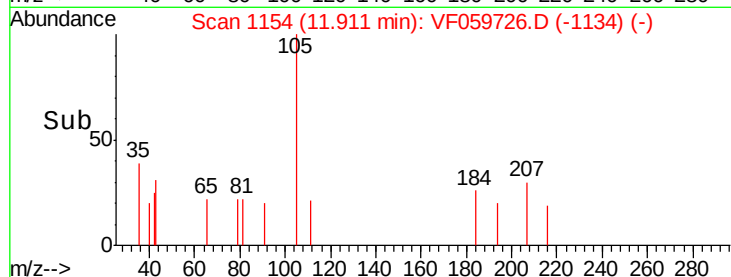
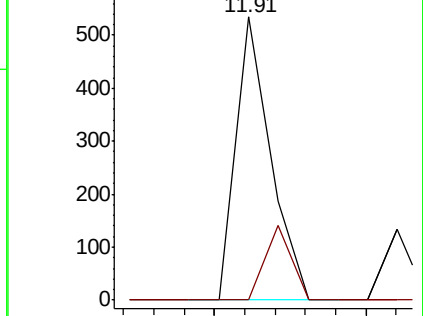
105 100

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



#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.98 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VF059726.D

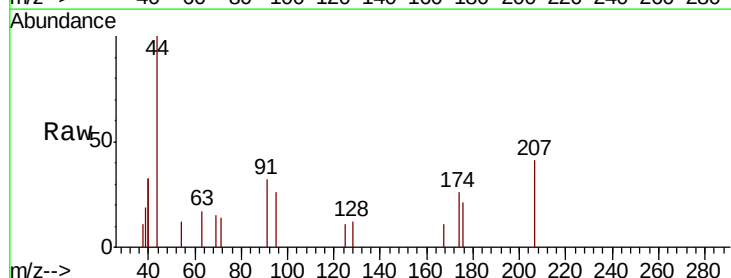
Acq: 1 Aug 2018 00:54

Tgt Ion: 91 Resp: 575

Ion Ratio Lower Upper

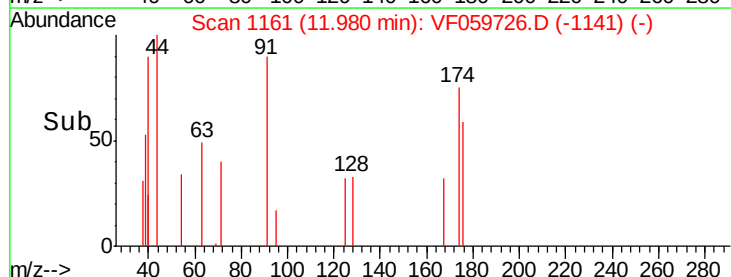
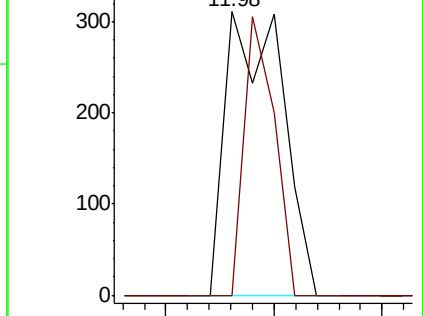
91 100

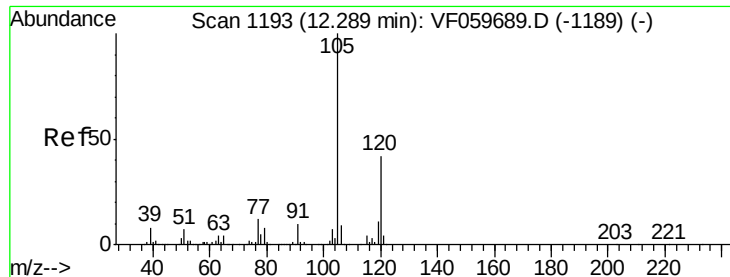
126 0.0 15.2 45.6#



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# 1192

Delta R.T. -0.00 min

Lab File: VF059726.D

Acq: 1 Aug 2018 00:54

Instrument :

MSVOA_F

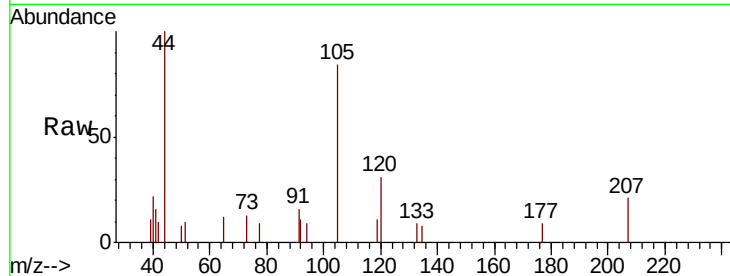
ClientSampled :

Tot Ion:105 Resp: 1056

Ion Ratio Lower Upper

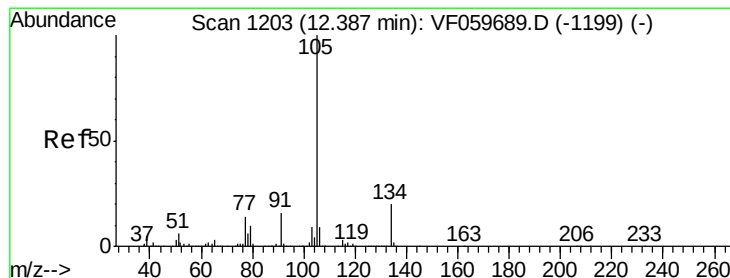
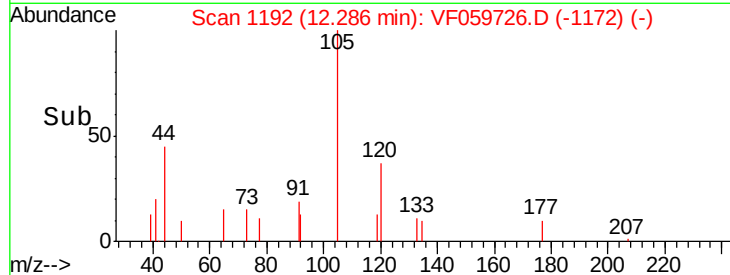
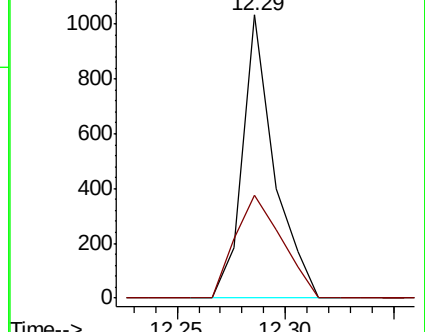
105 100

120 36.6 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: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059726.D

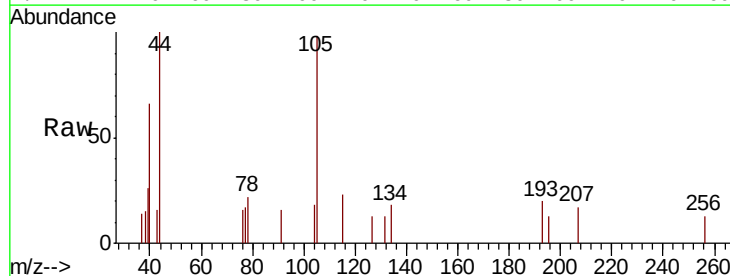
Acq: 1 Aug 2018 00:54

Tgt Ion:105 Resp: 1088

Ion Ratio Lower Upper

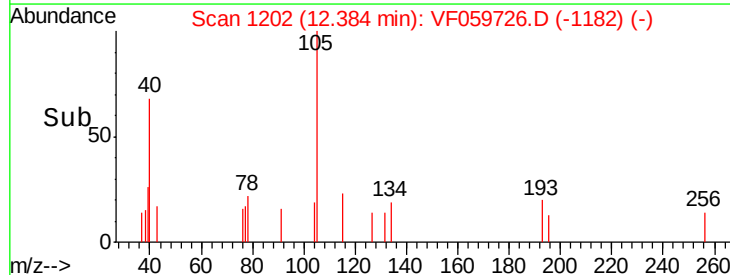
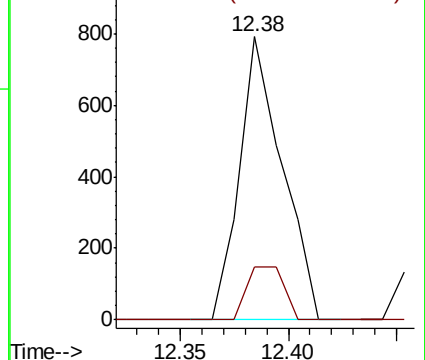
105 100

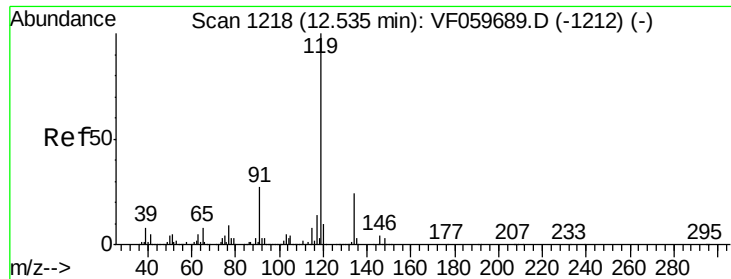
134 18.8 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

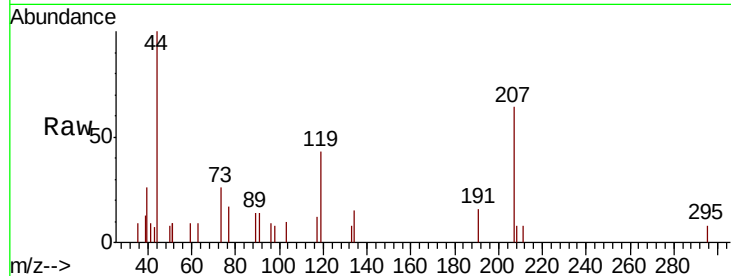




#86
p-Isopropyltoluene
Concen: Below Cal
RT: 12.54 min Scan# 1218
Delta R.T. 0.01 min
Lab File: VF059726.D
Acq: 1 Aug 2018 00:54

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	34.6	12.2	36.6
91	32.5	13.4	40.2

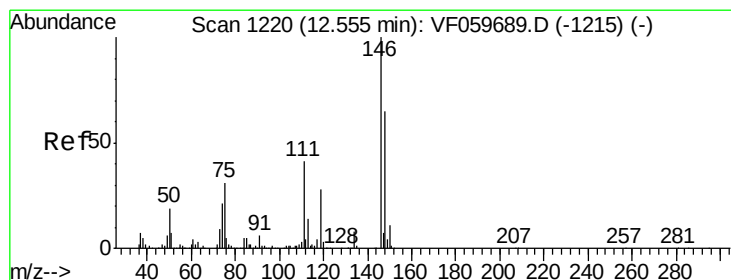
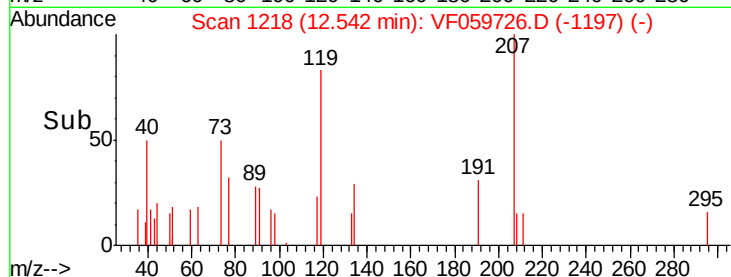
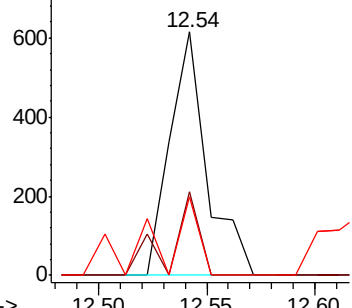


Abundance

Ion 119.00 (118.70 to 119.70): V

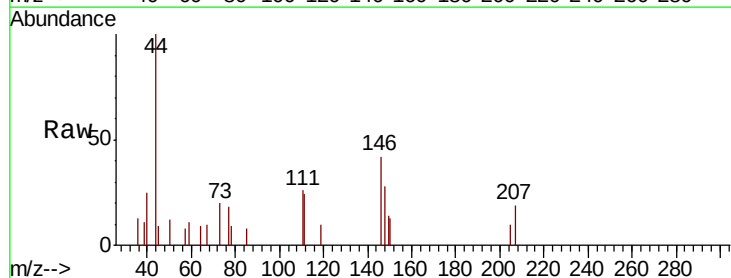
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87
1,3-Dichlorobenzene
Concen: Below Cal
RT: 12.56 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VF059726.D
Acq: 1 Aug 2018 00:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	119.3	20.7	62.1#
148	67.3	32.3	96.8

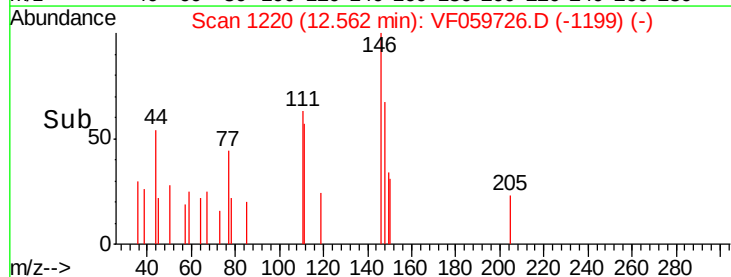
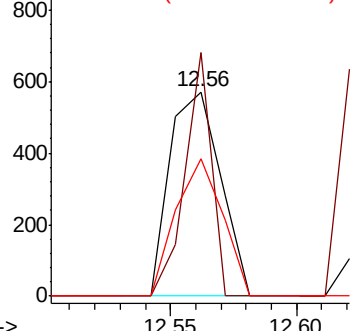


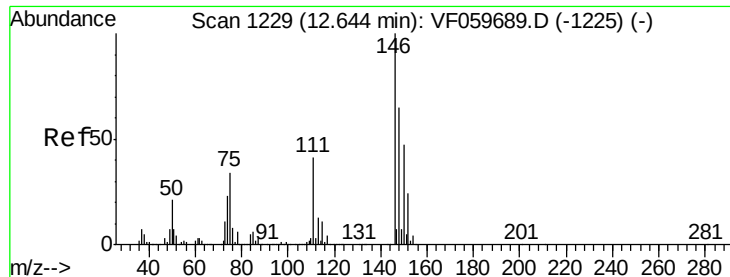
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF059726.D

Acq: 1 Aug 2018 00:54

Instrument :

MSVOA_F

ClientSampleId :

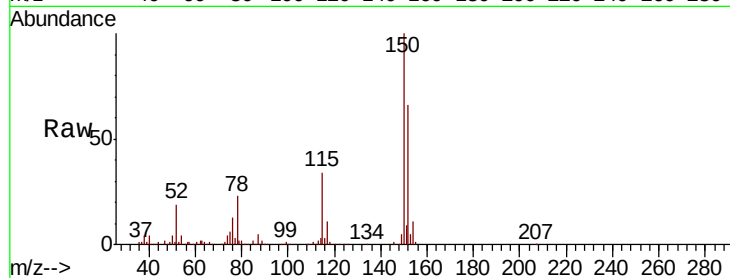
Tot Ion:146 Resp: 1064

Ion Ratio Lower Upper

146 100

111 117.7 20.8 62.2#

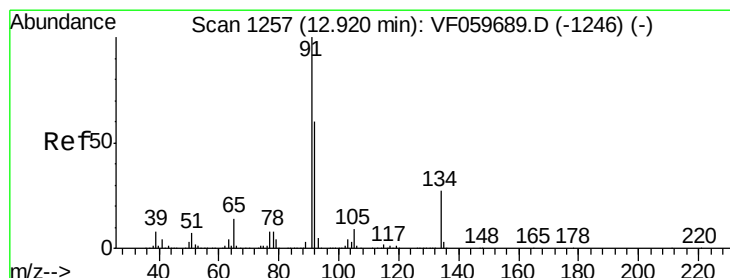
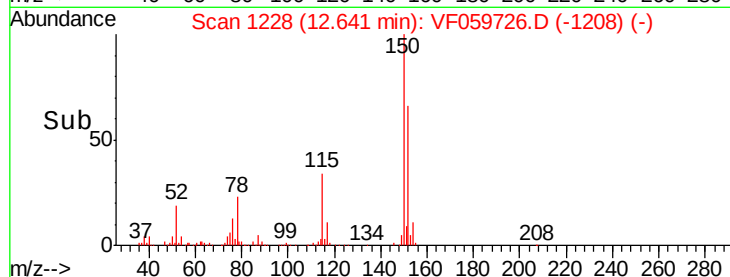
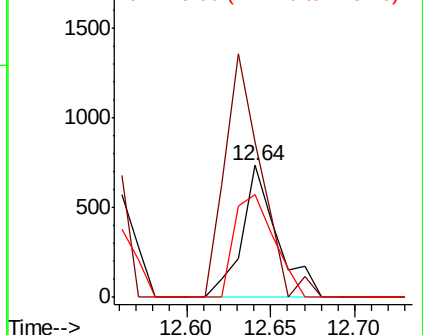
148 77.7 32.3 96.9



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



#89

n-Butylbenzene

Concen: Below Cal

RT: 12.92 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VF059726.D

Acq: 1 Aug 2018 00:54

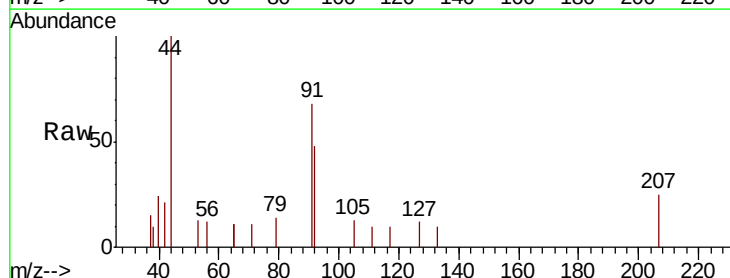
Tgt Ion: 91 Resp: 843

Ion Ratio Lower Upper

91 100

92 70.6 30.1 90.3

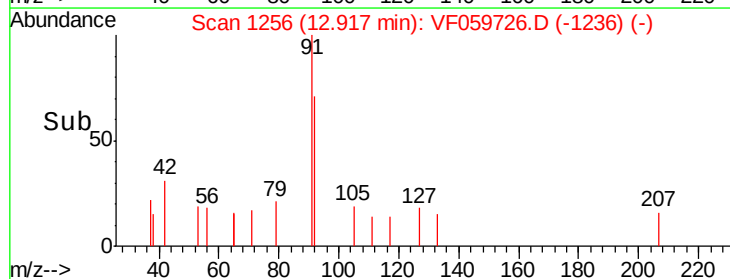
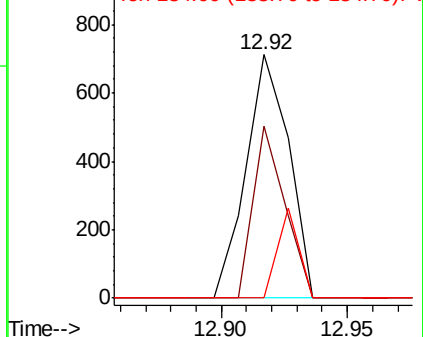
134 0.0 13.7 41.0#

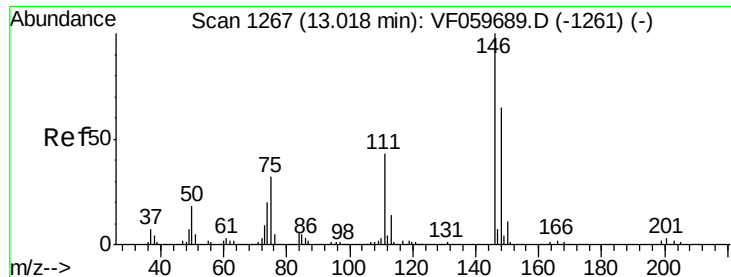


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V





#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.03 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VF059726.D

Acq: 1 Aug 2018 00:54

Instrument :

MSVOA_F

ClientSampleId :

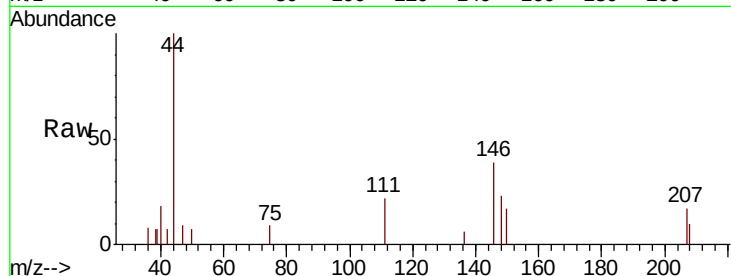
Tot Ion:146 Resp: 971

Ion Ratio Lower Upper

146 100

111 56.1 21.6 65.0

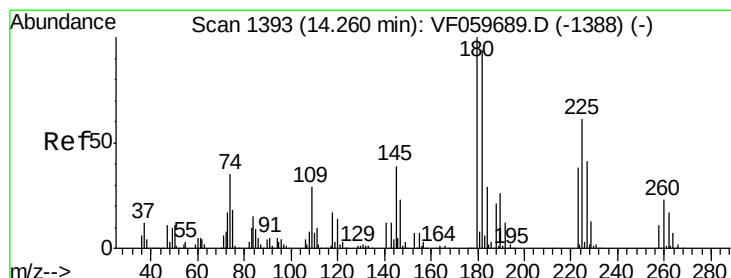
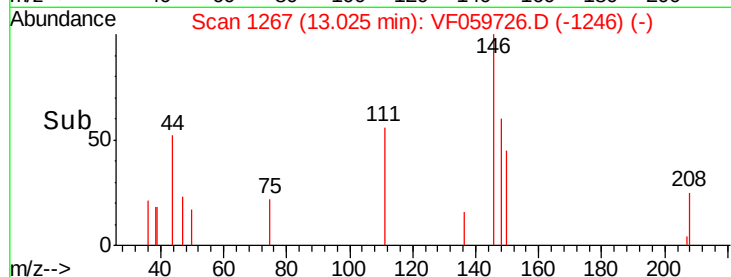
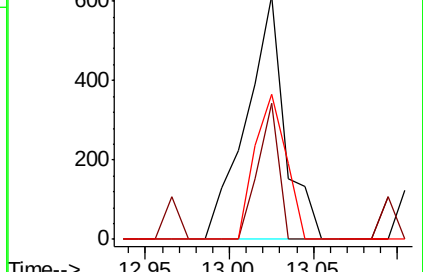
148 59.5 32.3 96.9



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: 14.27 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VF059726.D

Acq: 1 Aug 2018 00:54

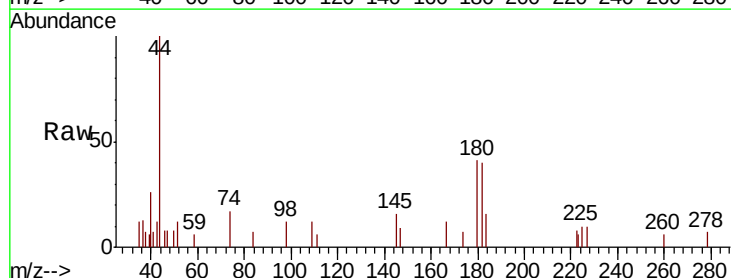
Tgt Ion:180 Resp: 734

Ion Ratio Lower Upper

180 100

182 98.0 47.2 141.6

145 39.7 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

