

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059734.D
 Acq On : 1 Aug 2018 4:35
 Operator : VA/AP
 Sample : J3825-11
 Misc : 5.40g/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 01 07:38:39 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	147881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	218279	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	189759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	98342	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	168804	63.51	ug/l	0.00
Spiked Amount			Recovery	=	127.02%	
35) Dibromofluoromethane	4.29	113	136320	60.13	ug/l	0.00
Spiked Amount			Recovery	=	120.26%	
50) Toluene-d8	7.71	98	232383	43.95	ug/l	0.00
Spiked Amount			Recovery	=	87.90%	
62) 4-Bromofluorobenzene	11.52	95	115202	39.36	ug/l	0.00
Spiked Amount			Recovery	=	78.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.05	85	64	Below Cal	#	44
3) Chloromethane	1.10	50	696	Below Cal	#	38
4) Vinyl Chloride	1.18	62	73	Below Cal	#	47
5) Bromomethane	1.45	94	167	Below Cal		94
6) Chloroethane	1.45	64	135	Below Cal	#	56
10) Methyl Iodide	1.90	142	122	Below Cal	#	20
11) Tert butyl alcohol	2.67	59	277	1.132	ug/l #	1
13) Acrolein	2.12	56	77	17.348	ug/l	91
16) Acetone	2.33	43	9540	19.956	ug/l	96
17) Carbon Disulfide	1.94	76	323	Below Cal	#	1
18) Methyl Acetate	2.47	43	1062	Below Cal		93
20) Methylene Chloride	2.27	84	3710	Below Cal	#	83
21) trans-1,2-Dichloroethene	2.42	96	150	Below Cal	#	1
28) Bromochloromethane	3.89	49	63	Below Cal	#	15
36) 1,1-Dichloropropene	4.47	75	507	Below Cal	#	46
37) Ethyl Acetate	4.28	43	432	Below Cal	#	19
39) Methylcyclohexane	5.76	83	4767	Below Cal	#	45
41) Methacrylonitrile	4.90	41	68	Below Cal	#	24
44) Trichloroethene	5.61	130	75	Below Cal		2
49) 1,4-Dioxane	6.62	88	60	Below Cal	#	21
52) Toluene	7.78	92	438	Below Cal		92
64) Tetrachloroethene	8.18	164	63	Below Cal	#	1
68) m/p-Xylenes	10.27	106	206	Below Cal	#	27
78) n-propylbenzene	11.71	91	62	Below Cal	#	54
79) 2-Chlorotoluene	11.82	91	132	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	11.99	105	63	Below Cal	#	31
82) 4-Chlorotoluene	11.99	91	300	Below Cal	#	44
84) 1,2,4-Trimethylbenzene	12.31	105	323	Below Cal	#	33
85) sec-Butylbenzene	12.39	105	82	Below Cal	#	57
86) p-Isopropyltoluene	12.54	119	227	Below Cal	#	49
87) 1,3-Dichlorobenzene	12.55	146	480	Below Cal		82
88) 1,4-Dichlorobenzene	12.55	146	480	Below Cal		82
89) n-Butylbenzene	12.92	91	349	Below Cal	#	80
91) 1,2-Dichlorobenzene	13.02	146	261	Below Cal	#	2

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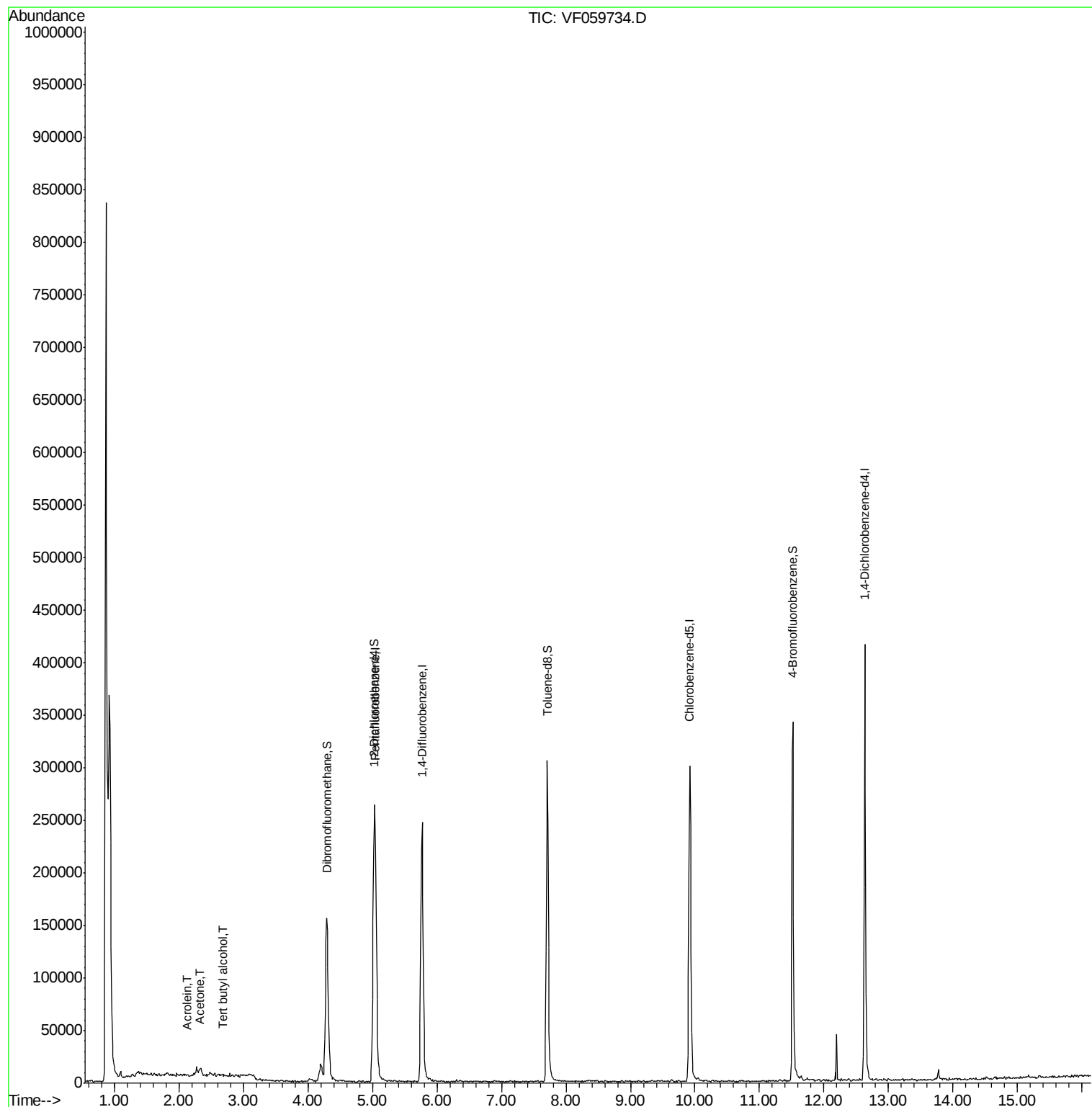
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	267	Below Cal	#	19

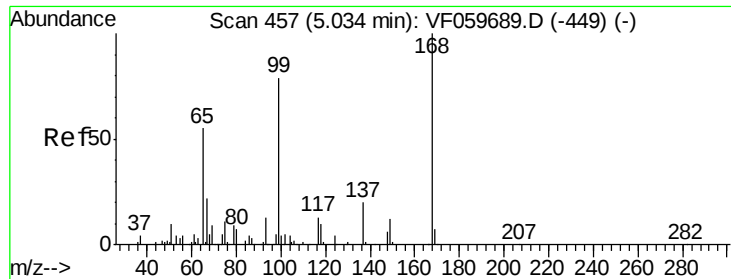
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF059734.D

Acq: 1 Aug 2018 4:35

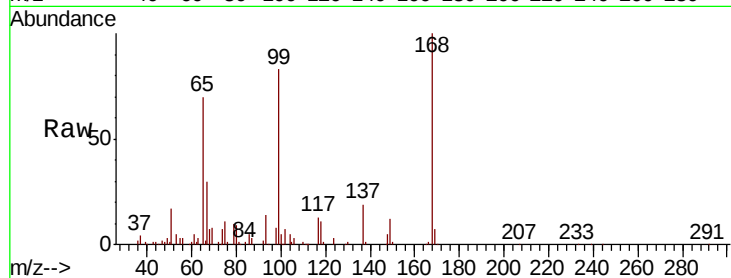
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 147881

Ion Ratio Lower Upper

168 100

99 82.6 63.3 94.9

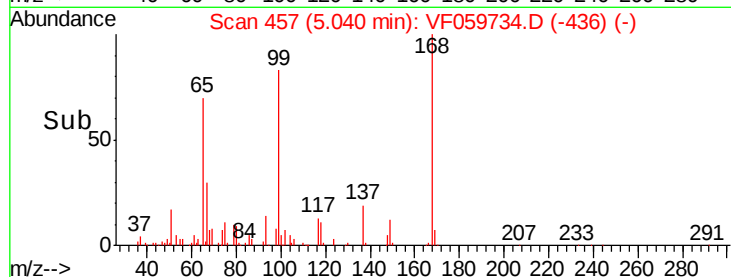


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

Time-->



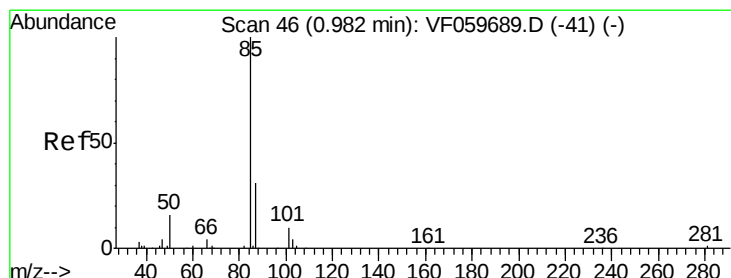
Abundance

Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.05 min Scan# 52

Delta R.T. 0.07 min

Lab File: VF059734.D

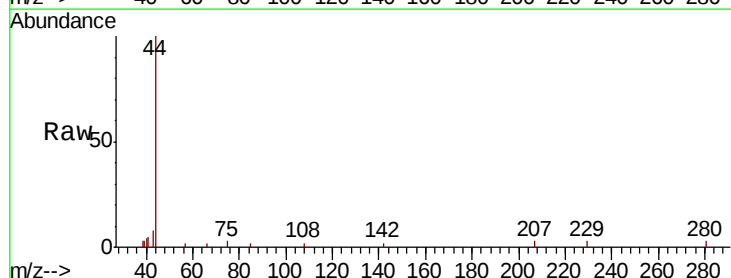
Acq: 1 Aug 2018 4:35

Tgt Ion: 85 Resp: 64

Ion Ratio Lower Upper

85 100

87 0.0 15.3 45.8#

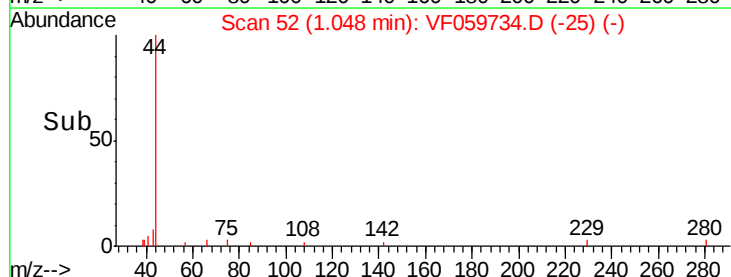


Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.05

Time-->



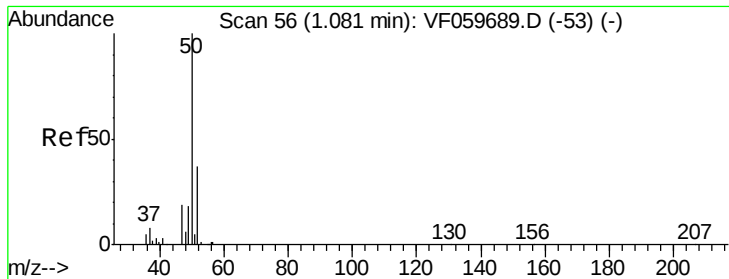
Abundance

Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.05

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.10 min Scan# 57

Delta R.T. 0.02 min

Lab File: VF059734.D

Acq: 1 Aug 2018 4:35

Instrument :

MSVOA_F

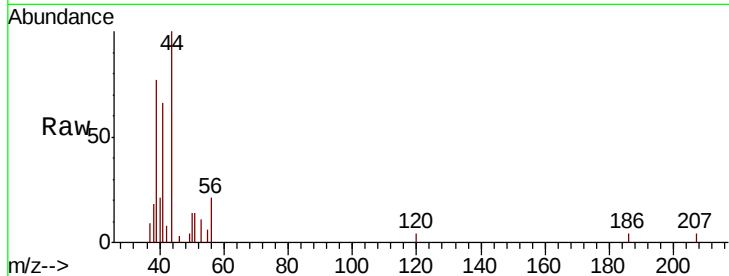
ClientSampled :

Tot Ion: 50 Resp: 696

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

1.10

400

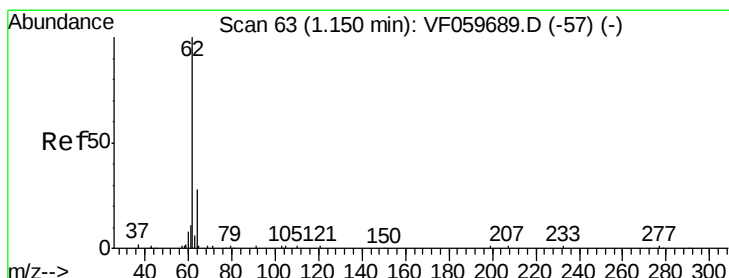
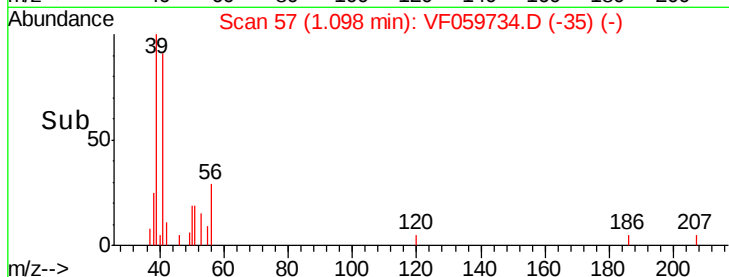
300

200

100

0

Time-->



#4

Vinyl Chloride

Concen: Below Cal

RT: 1.18 min Scan# 65

Delta R.T. 0.03 min

Lab File: VF059734.D

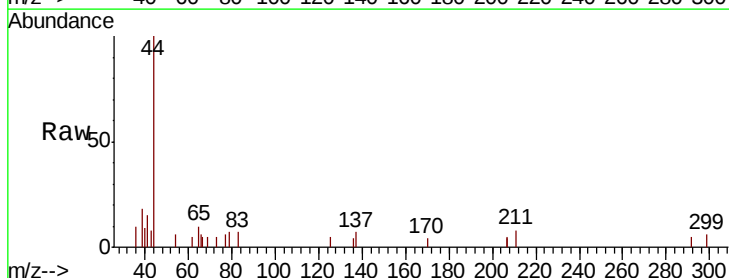
Acq: 1 Aug 2018 4:35

Tgt Ion: 62 Resp: 73

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

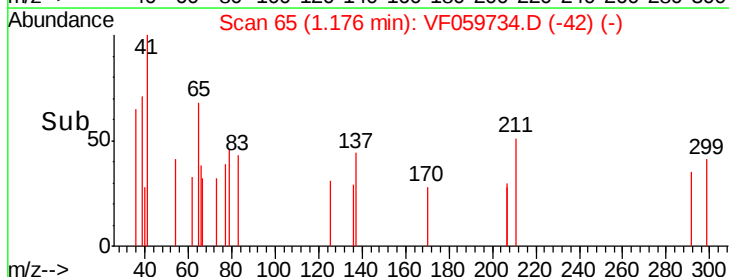
1.18

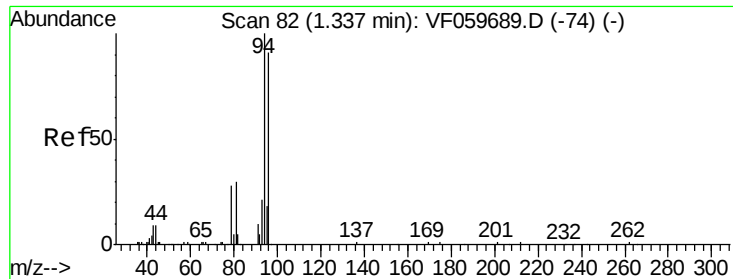
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.45 min Scan# 93

Delta R.T. 0.12 min

Lab File: VF059734.D

Acq: 1 Aug 2018 4:35

Instrument :

MSVOA_F

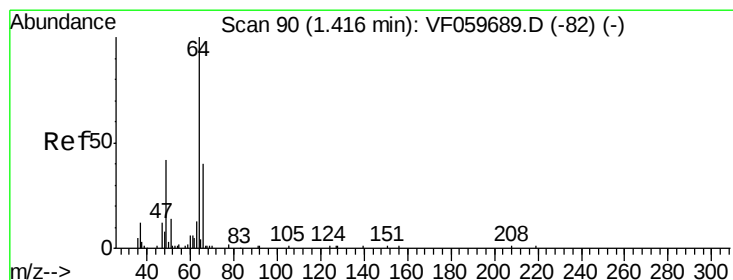
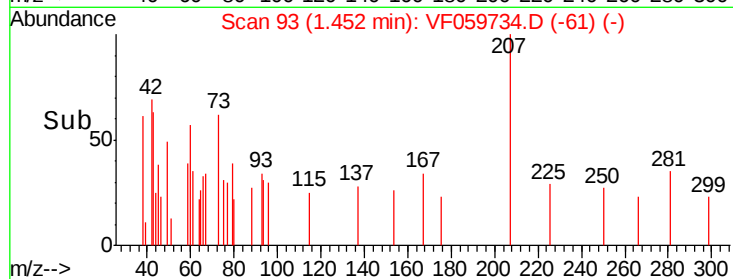
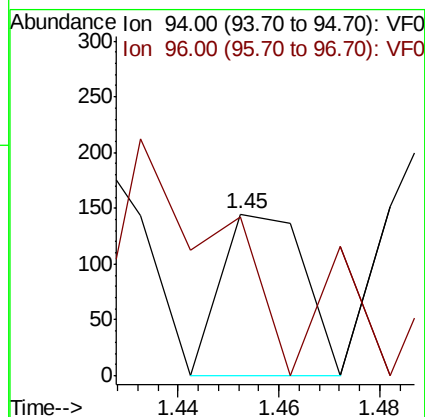
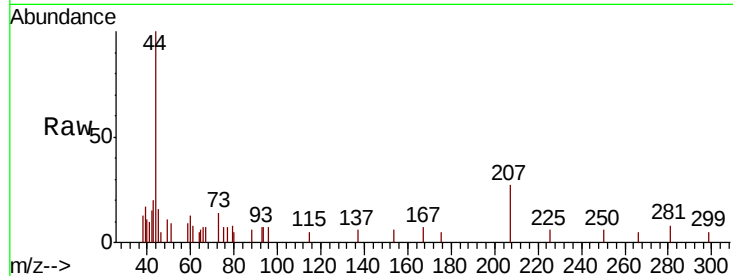
ClientSampled :

Tot Ion: 94 Resp: 167

Ion Ratio Lower Upper

94 100

96 97.9 73.6 110.4



#6

Chloroethane

Concen: Below Cal

RT: 1.45 min Scan# 93

Delta R.T. 0.04 min

Lab File: VF059734.D

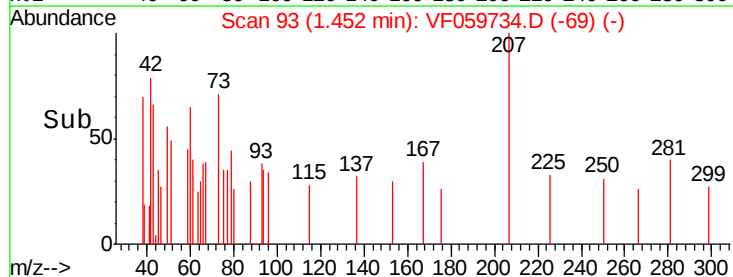
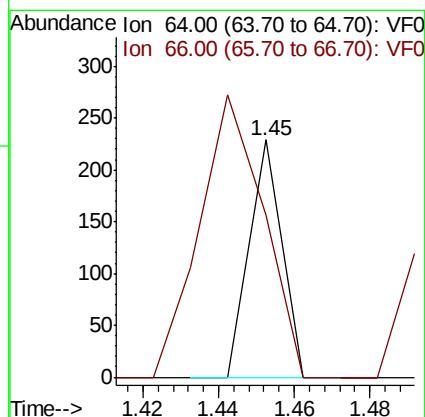
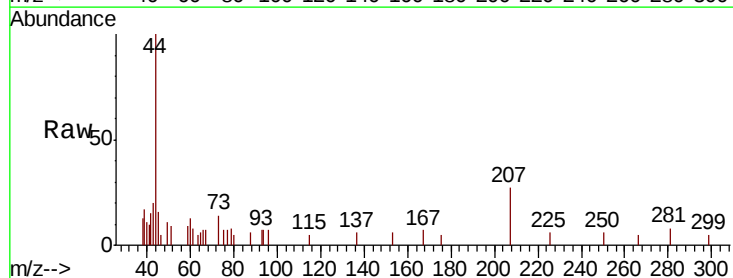
Acq: 1 Aug 2018 4:35

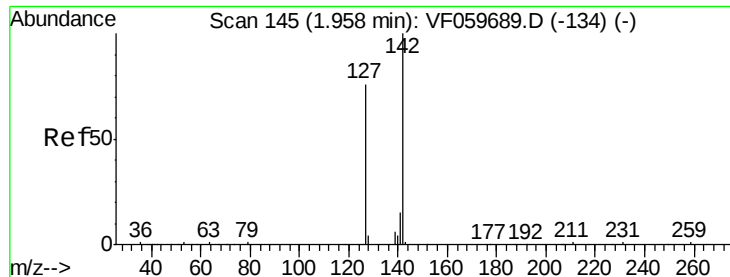
Tgt Ion: 64 Resp: 135

Ion Ratio Lower Upper

64 100

66 68.1 32.6 49.0#

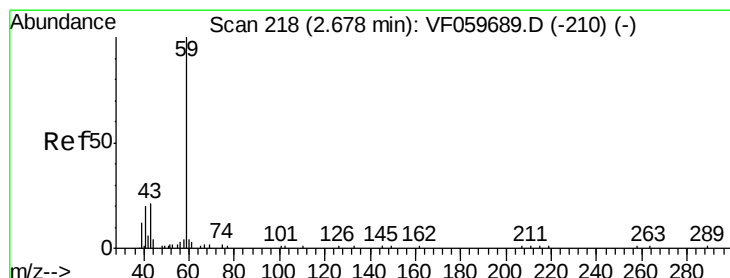
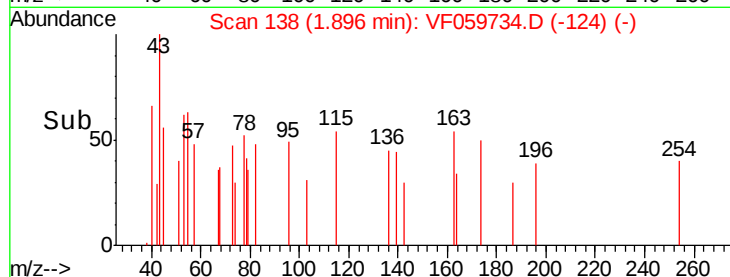
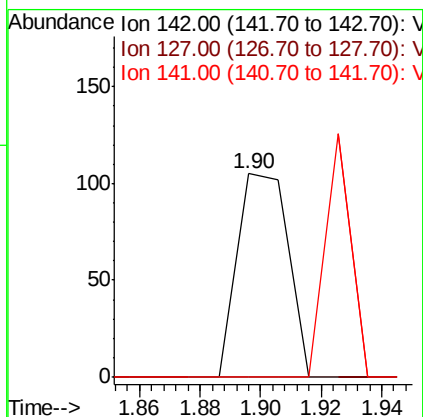
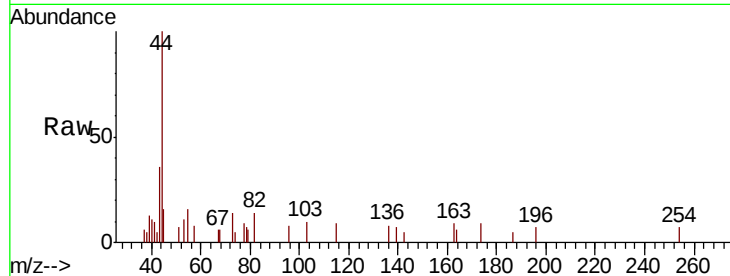




#10
Methyl Iodide
Concen: Below Cal
RT: 1.90 min Scan# 138
Delta R.T. -0.06 min
Lab File: VF059734.D
Acq: 1 Aug 2018 4:35

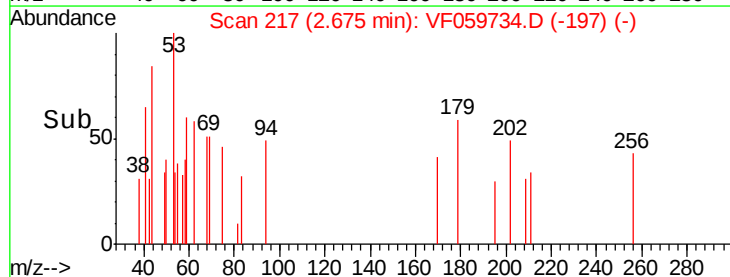
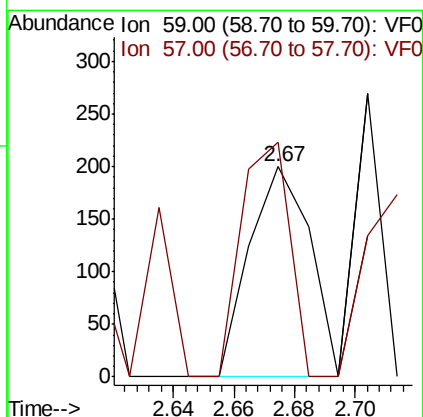
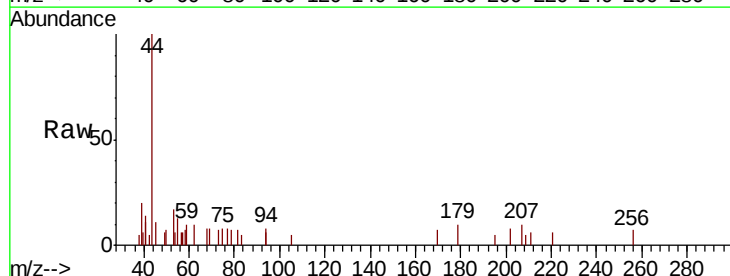
Instrument :
MSVOA_F
ClientSampleId :

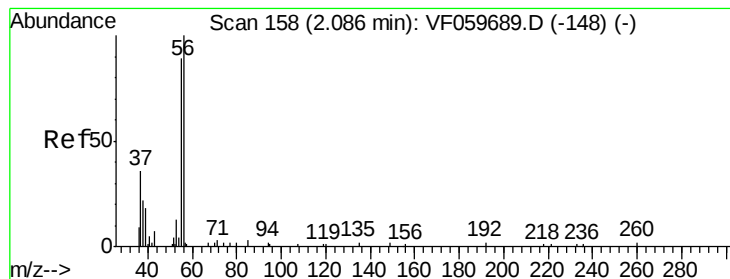
Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	60.6	91.0#
141	0.0	12.0	18.0#



#11
Tert butyl alcohol
Concen: 1.132 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.00 min
Lab File: VF059734.D
Acq: 1 Aug 2018 4:35

Tgt Ion	Ratio	Lower	Upper
59	100		
57	111.5	7.6	11.4#





#13

Acrolein

Concen: 17.348 ug/l

RT: 2.12 min Scan# 161

Delta R.T. 0.04 min

Lab File: VF059734.D

Acq: 1 Aug 2018 4:35

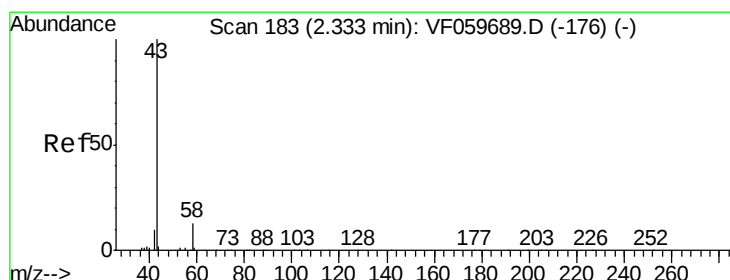
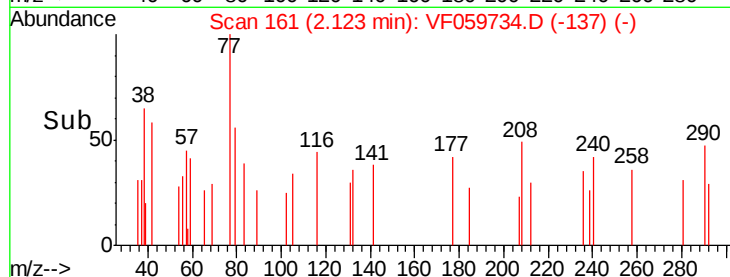
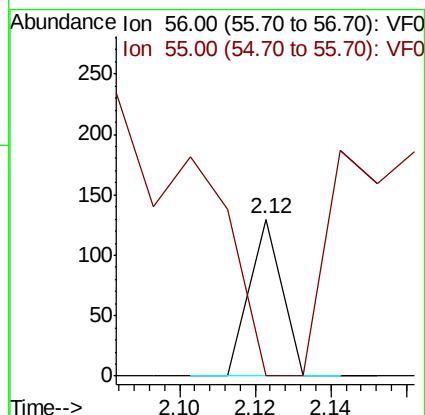
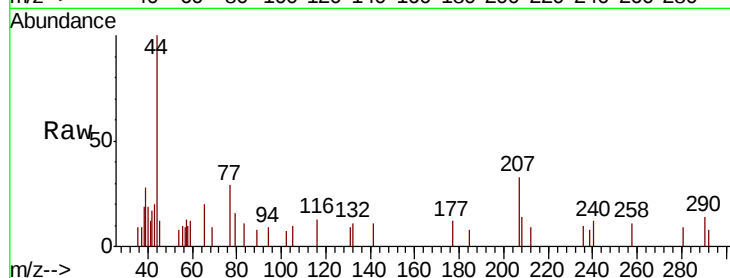
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 77

Ion Ratio Lower Upper

56 100

55 100.0 73.2 109.8



#16

Acetone

Concen: 19.956 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059734.D

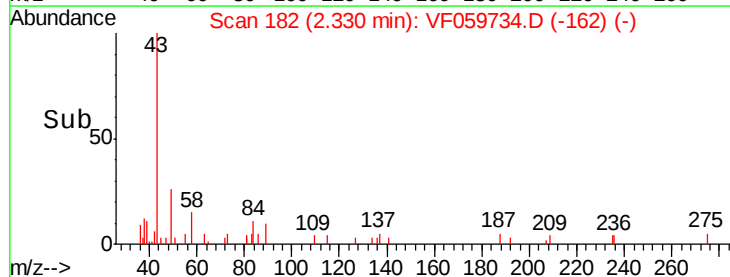
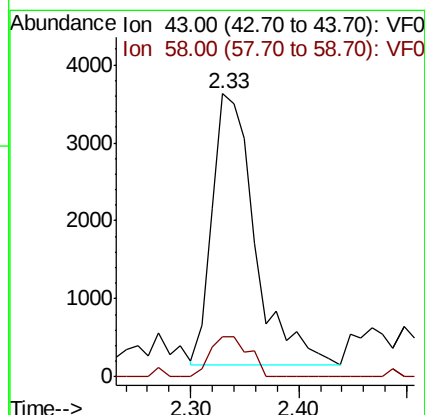
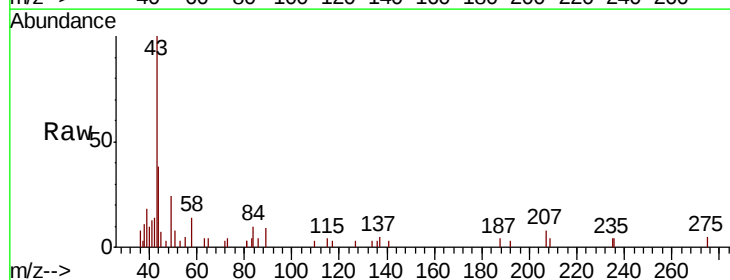
Acq: 1 Aug 2018 4:35

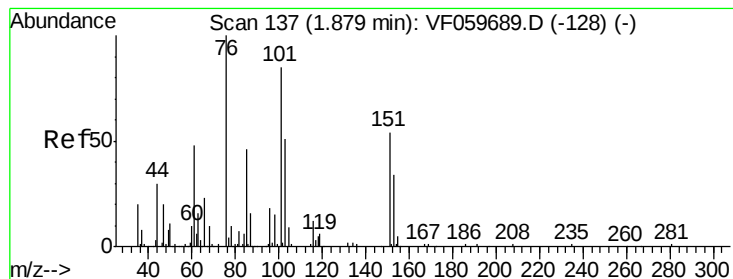
Tgt Ion: 43 Resp: 9540

Ion Ratio Lower Upper

43 100

58 14.2 10.1 15.1





#17

Carbon Disulfide

Concen: Below Cal

RT: 1.94 min Scan# 142

Delta R.T. 0.06 min

Lab File: VF059734.D

Acq: 1 Aug 2018 4:35

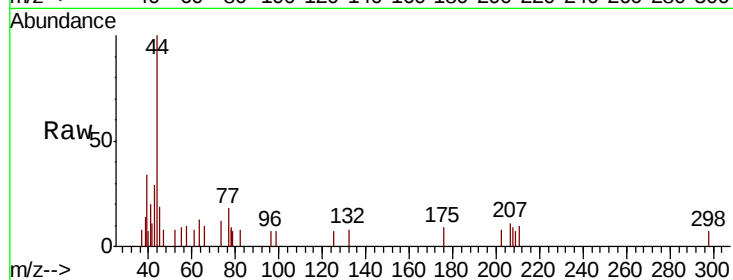
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 323

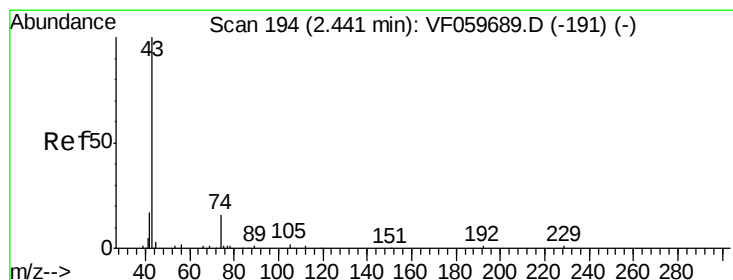
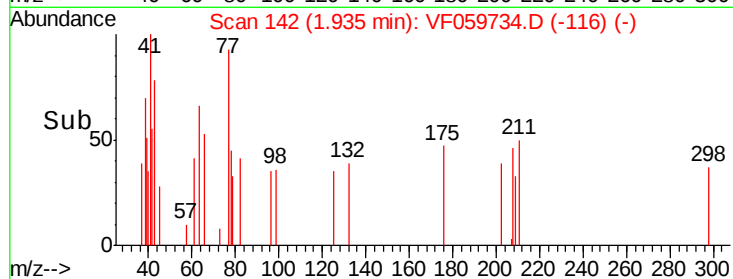
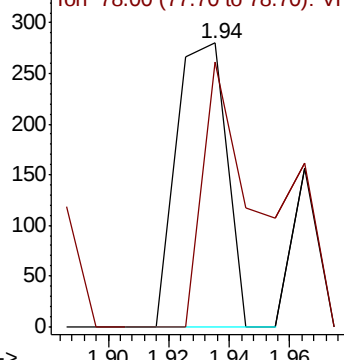
Ion Ratio Lower Upper

76 100

78 93.2 8.9 13.3#



Abundance Ion 76.00 (75.70 to 76.70): VF0
Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.47 min Scan# 196

Delta R.T. 0.03 min

Lab File: VF059734.D

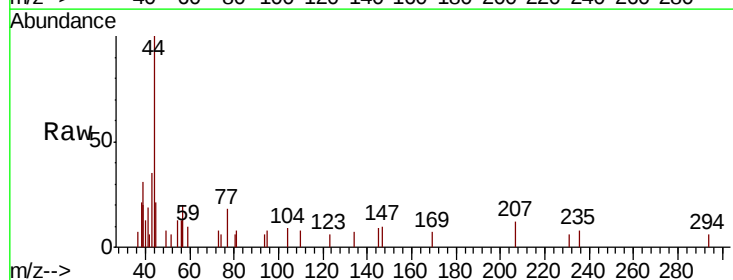
Acq: 1 Aug 2018 4:35

Tgt Ion: 43 Resp: 1062

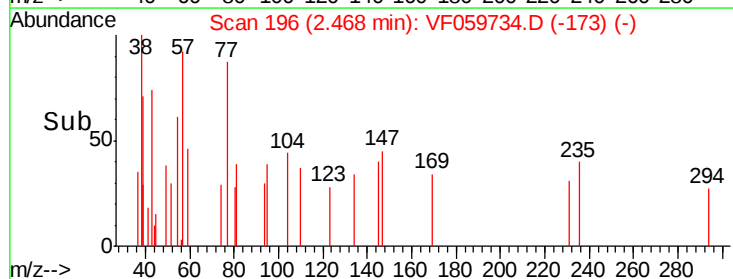
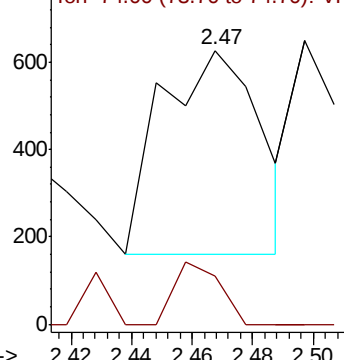
Ion Ratio Lower Upper

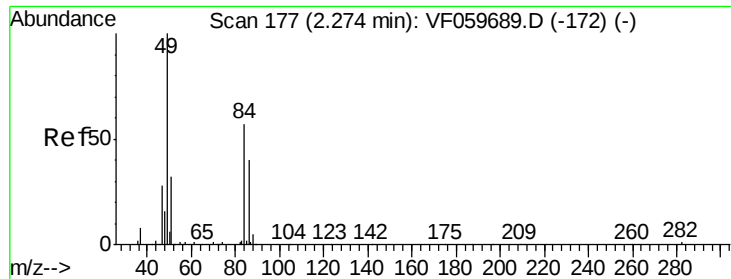
43 100

74 17.5 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 74.00 (73.70 to 74.70): VF0

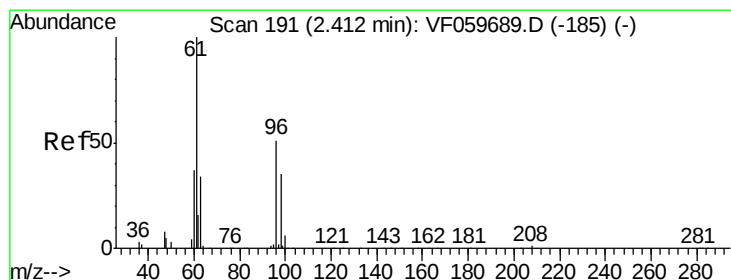
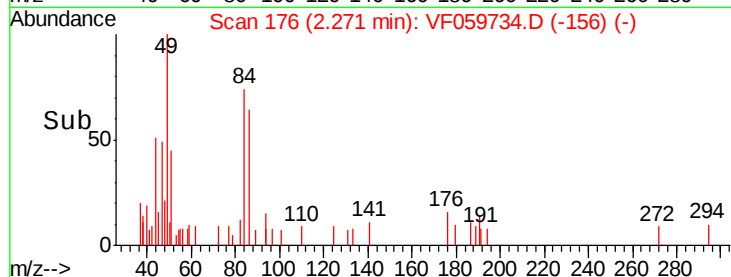
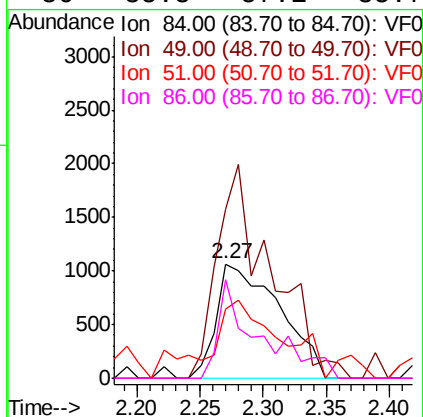
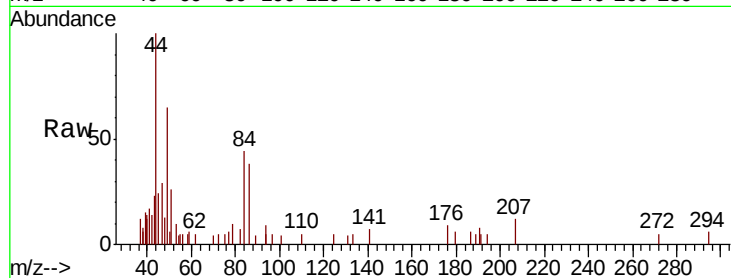




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059734.D
Acq: 1 Aug 2018 4:35

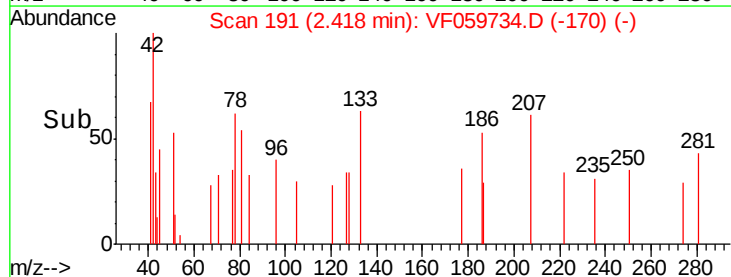
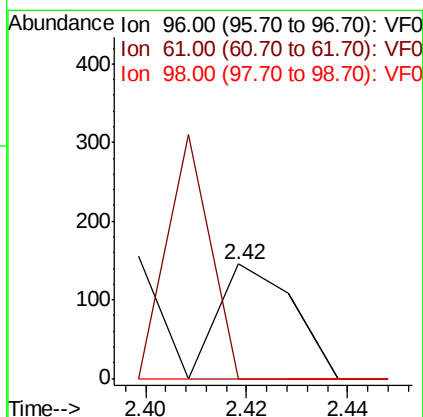
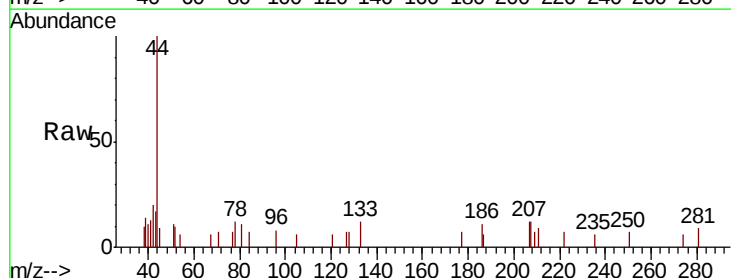
Instrument :
MSVOA_F
ClientSampleId :

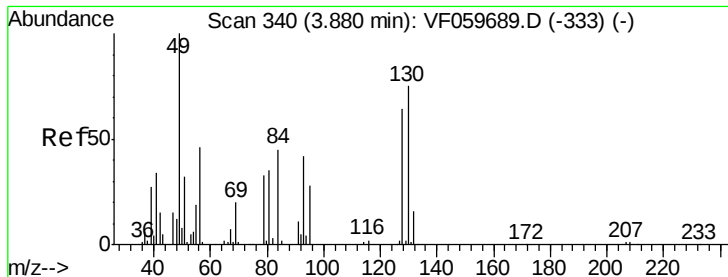
Tot Ion:	84	Resp:	3710
Ion	Ratio	Lower	Upper
84	100		
49	147.7	142.2	213.4
51	60.2	46.2	69.2
86	85.8	57.1	85.7#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 2.42 min Scan# 191
Delta R.T. 0.01 min
Lab File: VF059734.D
Acq: 1 Aug 2018 4:35

Tgt Ion:	96	Resp:	150
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: 3.89 min Scan# 340

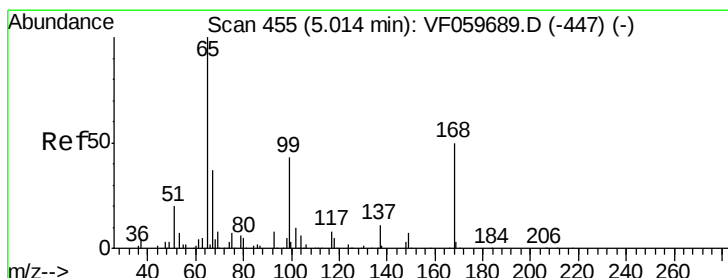
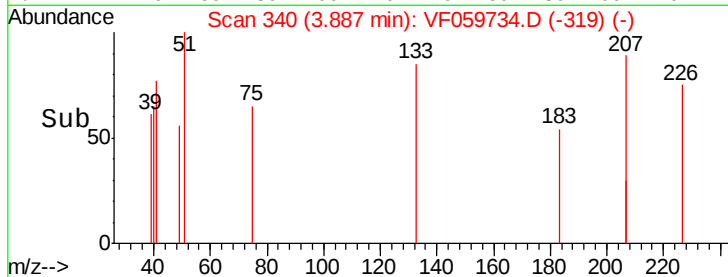
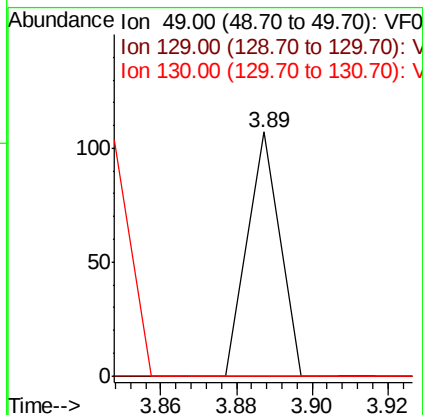
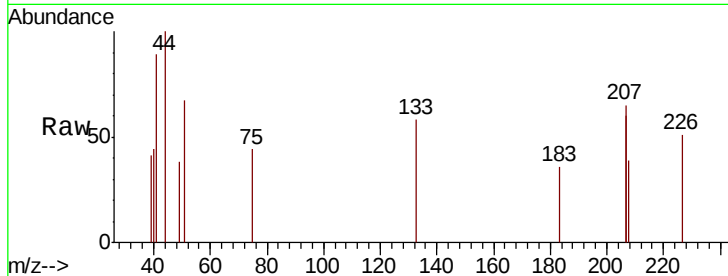
Delta R.T. 0.01 min

Lab File: VF059734.D

Acq: 1 Aug 2018 4:35

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 49 Resp: 63
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 0.0 59.6 89.4#



#33

1,2-Dichloroethane-d4

Concen: 63.515 ug/l

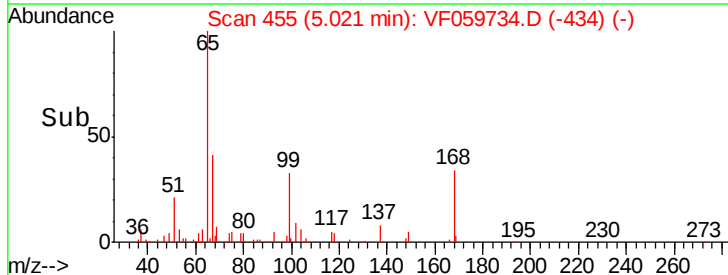
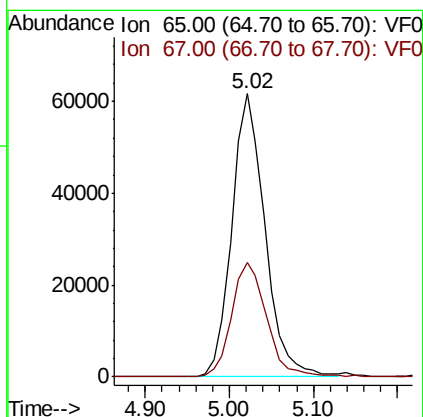
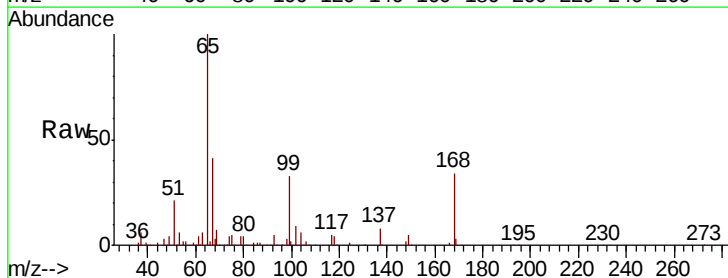
RT: 5.02 min Scan# 455

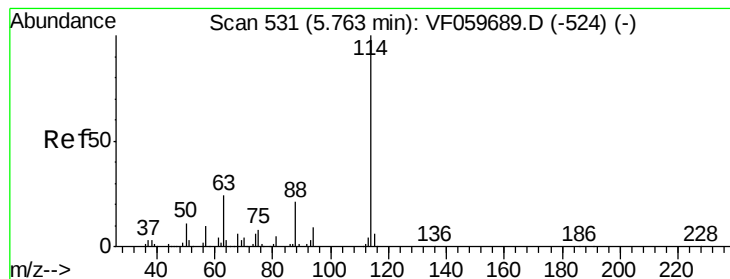
Delta R.T. 0.01 min

Lab File: VF059734.D

Acq: 1 Aug 2018 4:35

Tgt Ion: 65 Resp: 168804
Ion Ratio Lower Upper
65 100
67 40.5 0.0 84.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. 0.01 min

Lab File: VF059734.D

Acq: 1 Aug 2018 4:35

Instrument :

MSVOA_F

ClientSampleId :

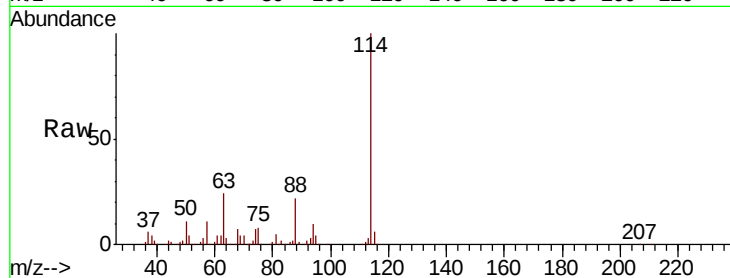
Tot Ion:114 Resp: 218279

Ion Ratio Lower Upper

114 100

63 23.9 0.0 47.4

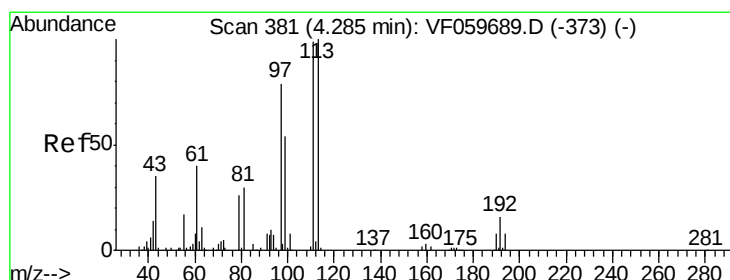
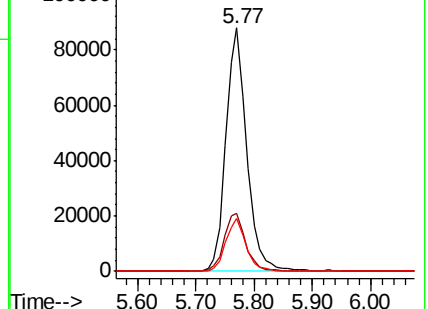
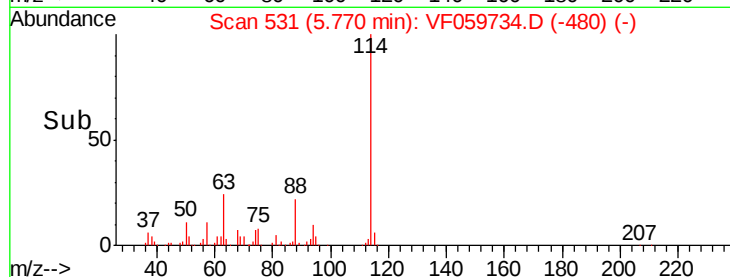
88 21.9 0.0 41.2



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: 60.128 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059734.D

Acq: 1 Aug 2018 4:35

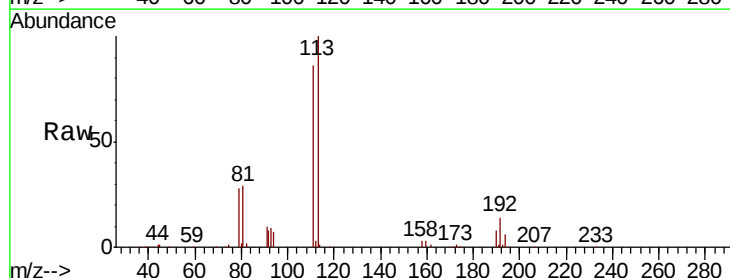
Tgt Ion:113 Resp: 136320

Ion Ratio Lower Upper

113 100

111 86.3 79.0 118.4

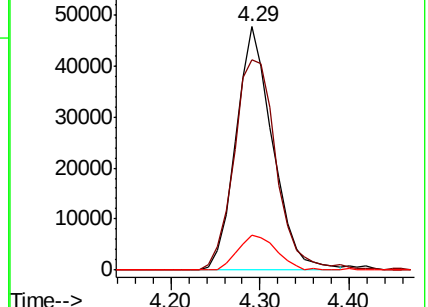
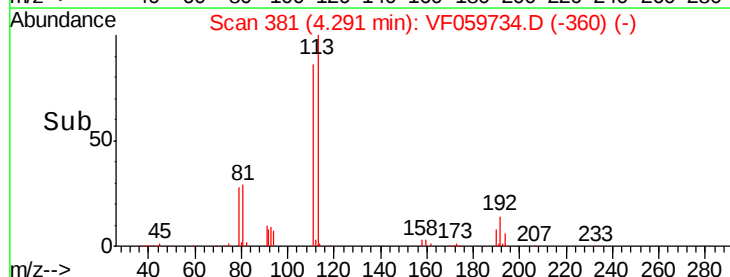
192 14.4 13.2 19.8

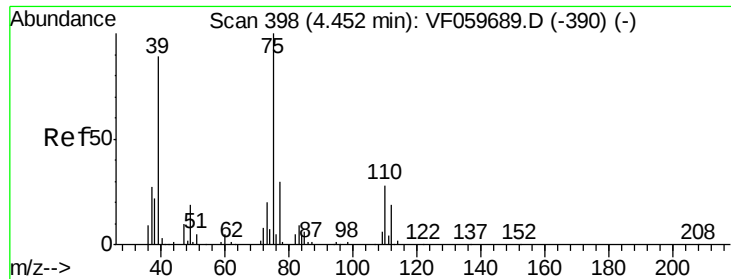


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

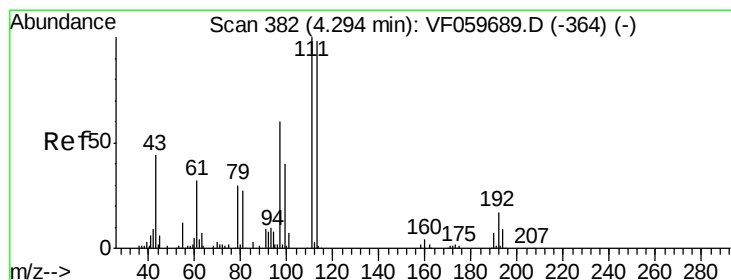
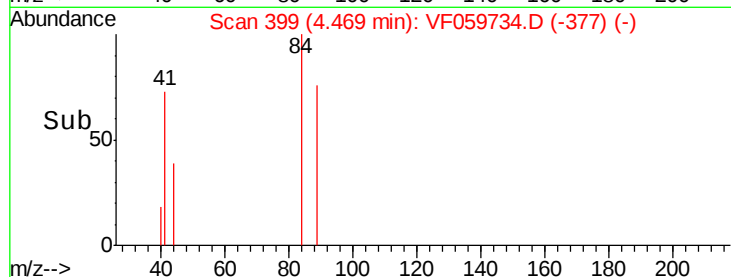
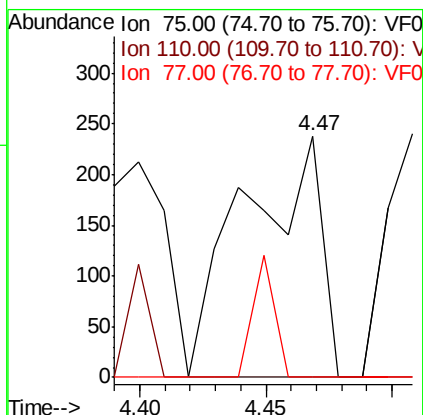
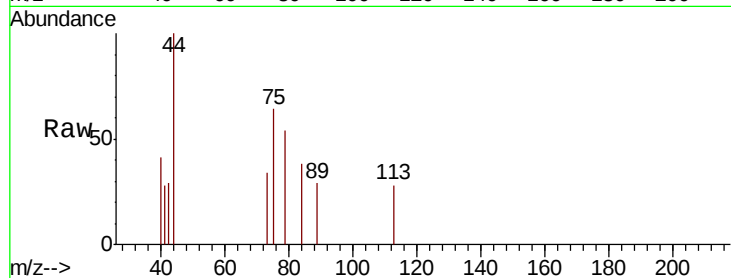




#36
1,1-Dichloropropene
Concen: Below Cal
RT: 4.47 min Scan# 399
Delta R.T. 0.02 min
Lab File: VF059734.D
Acq: 1 Aug 2018 4:35

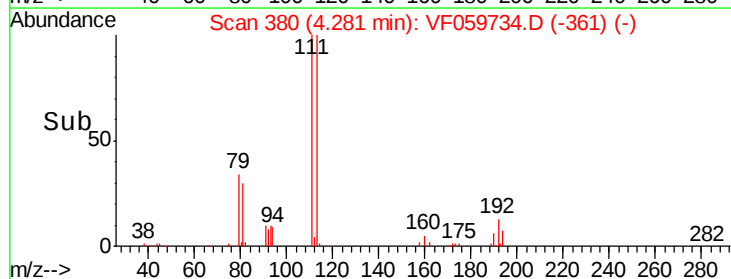
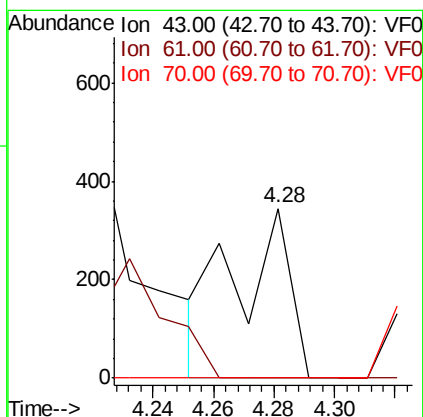
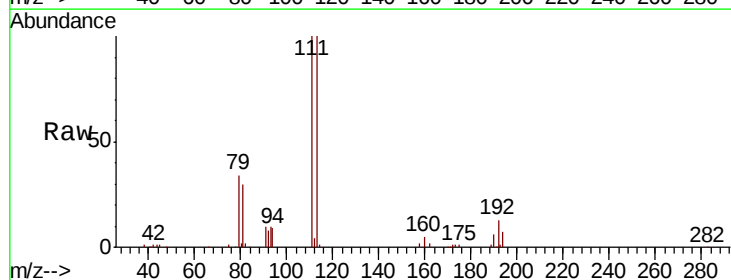
Instrument :
MSVOA_F
ClientSampleId :

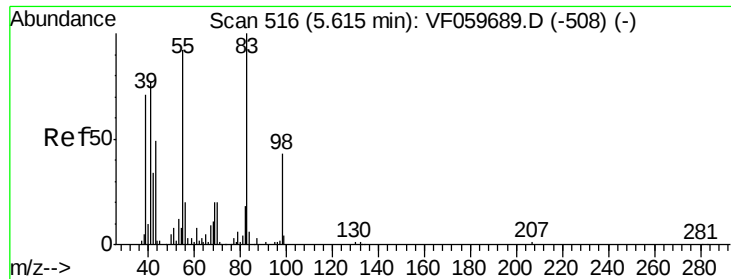
Tot Ion: 75 Resp: 507
Ion Ratio Lower Upper
75 100
110 0.0 14.0 41.9#
77 0.0 24.2 36.2#



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059734.D
Acq: 1 Aug 2018 4:35

Tgt Ion: 43 Resp: 432
Ion Ratio Lower Upper
43 100
61 0.0 58.2 87.2#
70 0.0 6.0 9.0#

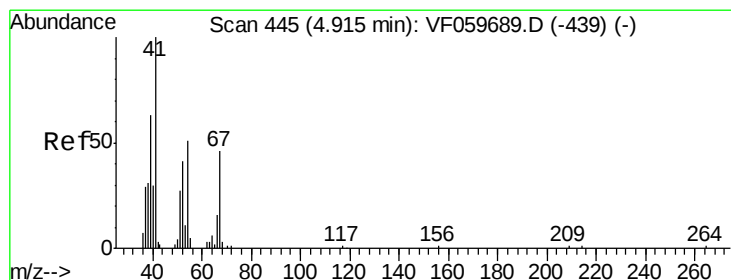
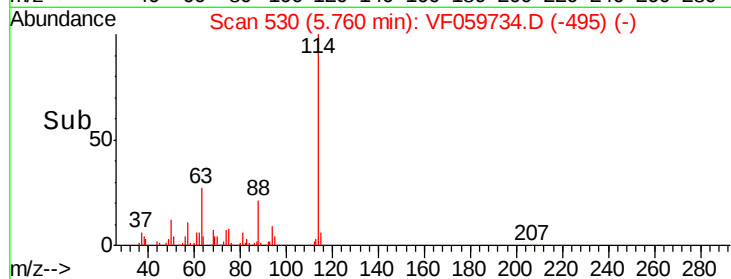
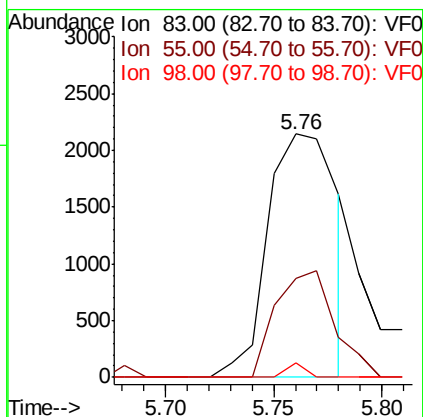
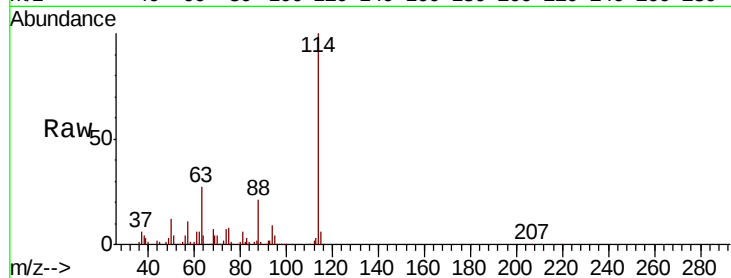




#39
Methylcyclohexane
Concen: Below Cal
RT: 5.76 min Scan# 530
Delta R.T. 0.14 min
Lab File: VF059734.D
Acq: 1 Aug 2018 4:35

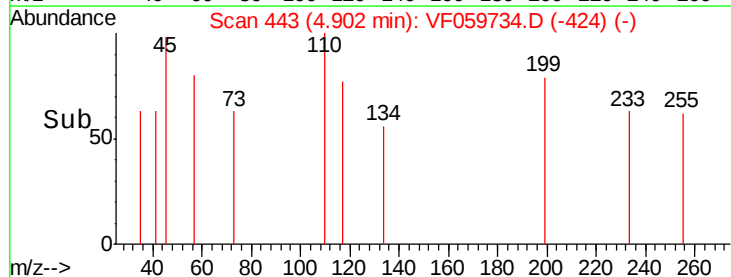
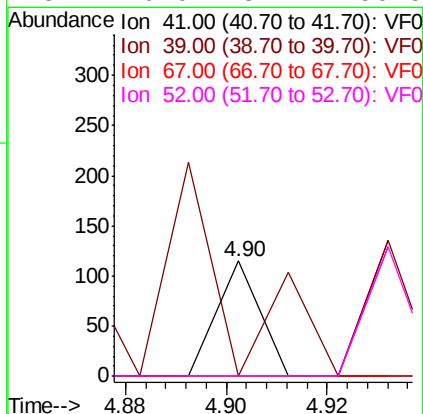
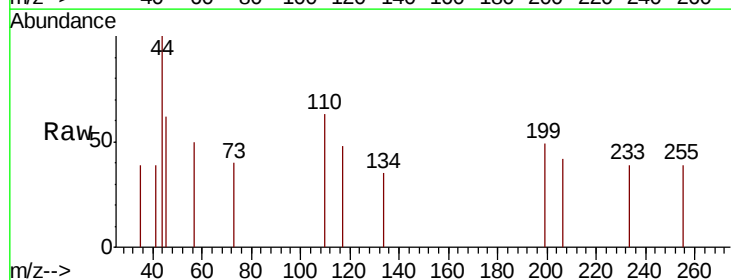
Instrument :
MSVOA_F
ClientSampleId :

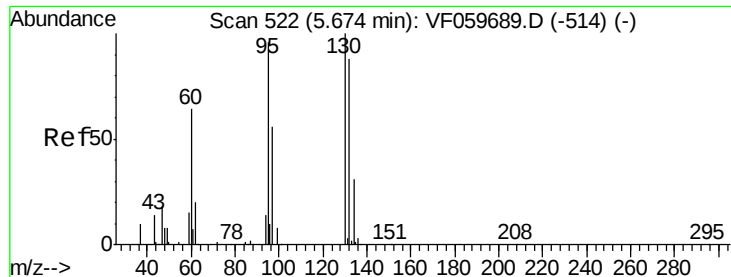
Tot Ion: 83 Resp: 4767
Ion Ratio Lower Upper
83 100
55 40.6 73.4 110.2#
98 6.1 34.2 51.4#



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.90 min Scan# 443
Delta R.T. -0.01 min
Lab File: VF059734.D
Acq: 1 Aug 2018 4:35

Tgt Ion: 41 Resp: 68
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: 5.61 min Scan# 515

Delta R.T. -0.06 min

Lab File: VF059734.D

Acq: 1 Aug 2018 4:35

Instrument :

MSVOA_F

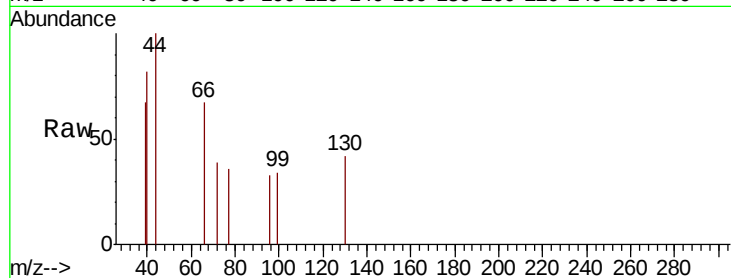
ClientSampleId :

Tot Ion:130 Resp: 75

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

5.61

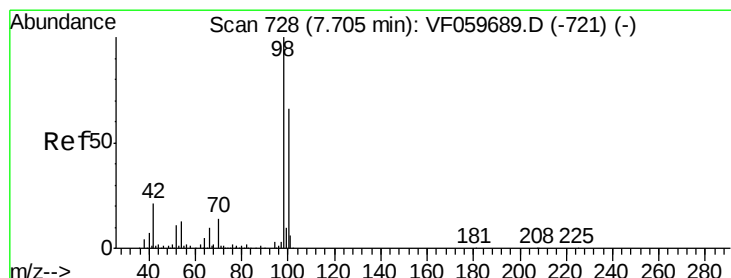
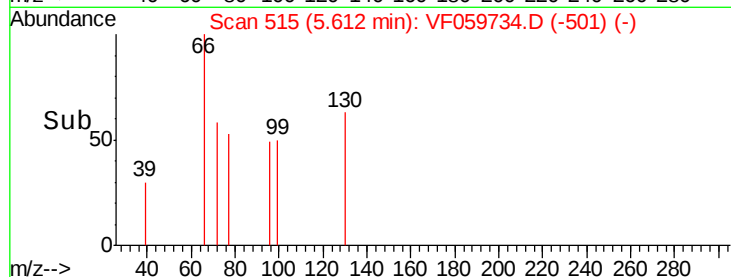
100

50

0

Time-->

5.58 5.60 5.62 5.64



#50

Toluene-d8

Concen: 43.954 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.01 min

Lab File: VF059734.D

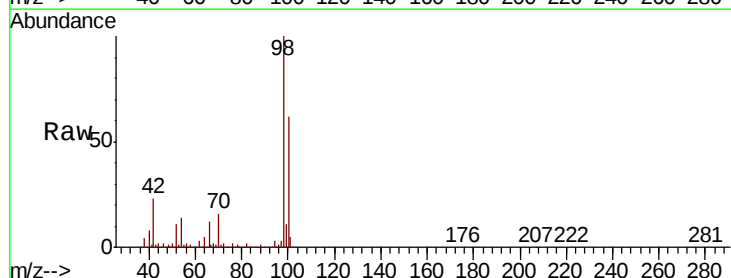
Acq: 1 Aug 2018 4:35

Tgt Ion: 98 Resp: 232383

Ion Ratio Lower Upper

98 100

100 62.5 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.71

100000

80000

60000

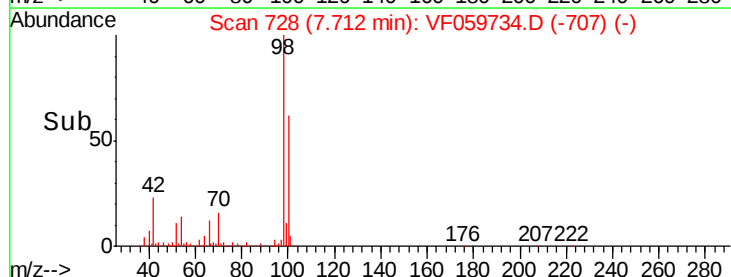
40000

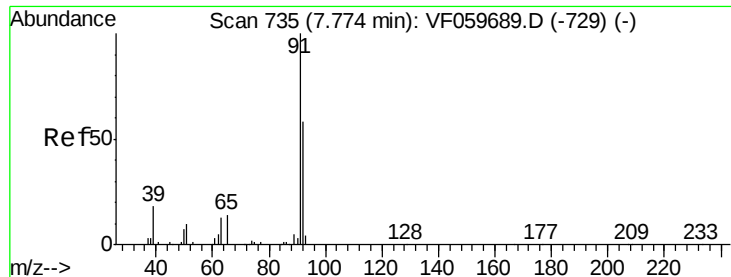
20000

0

Time-->

7.60 7.70 7.80 7.90





#52

Toluene

Concen: Below Cal

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF059734.D

Acq: 1 Aug 2018 4:35

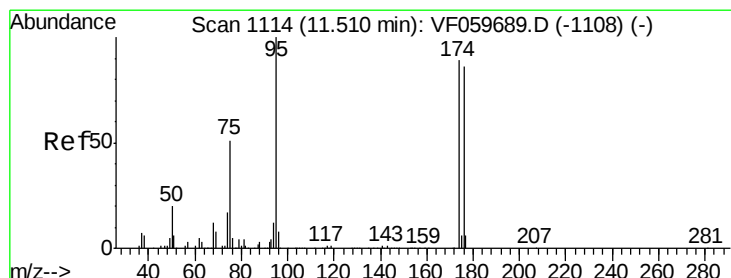
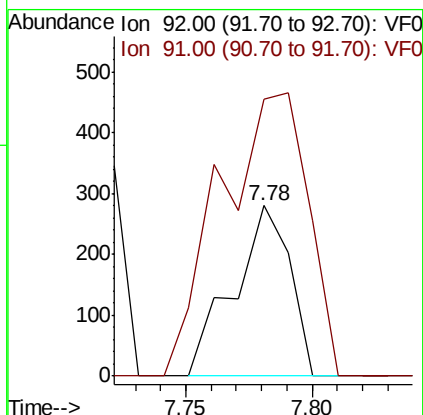
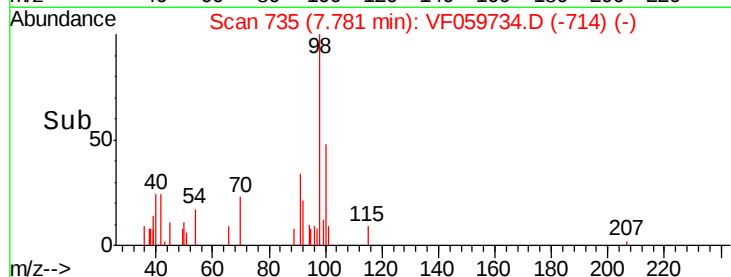
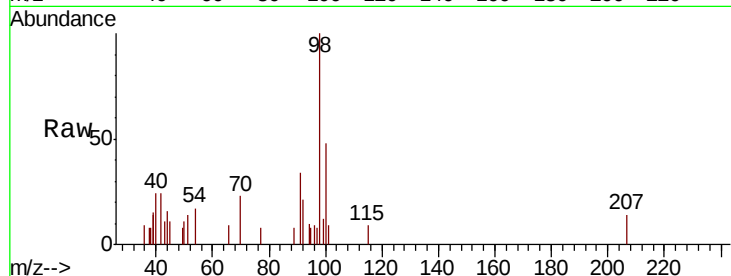
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 92 Resp: 438

Ion Ratio Lower Upper

92 100

91 162.9 139.0 208.4



#62

4-Bromofluorobenzene

Concen: 39.360 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059734.D

Acq: 1 Aug 2018 4:35

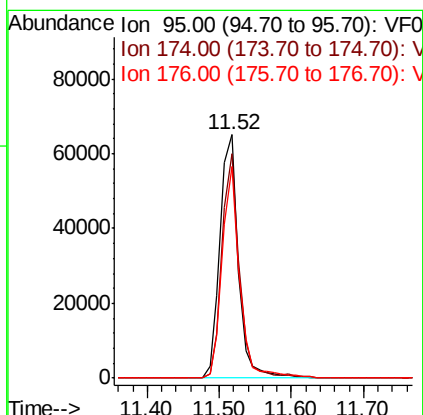
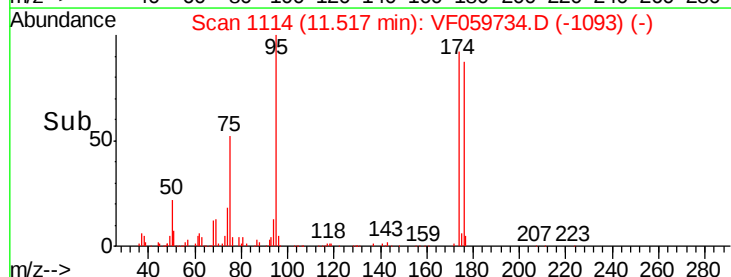
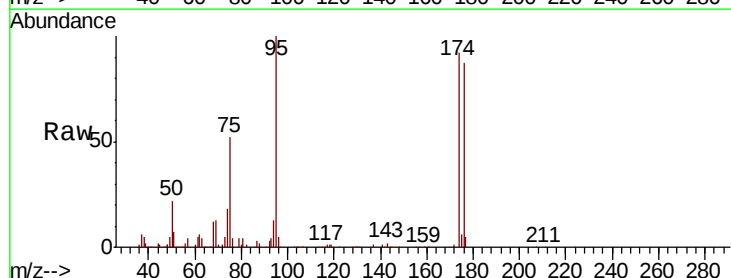
Tgt Ion: 95 Resp: 115202

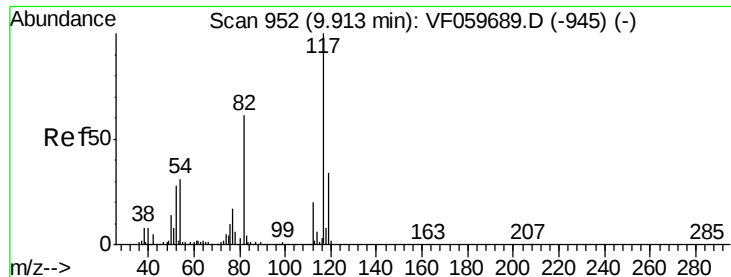
Ion Ratio Lower Upper

95 100

174 92.3 0.0 178.4

176 86.9 0.0 173.0

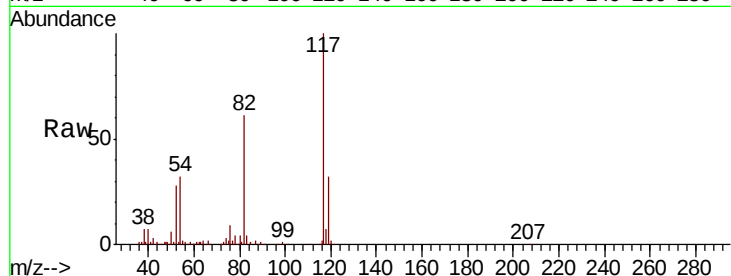




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF059734.D
Acq: 1 Aug 2018 4:35

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.9	49.0	73.4
119	32.4	27.3	40.9

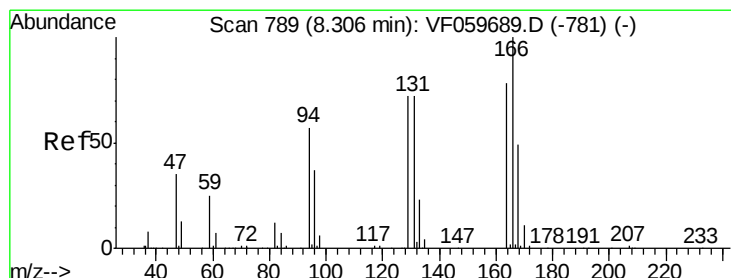
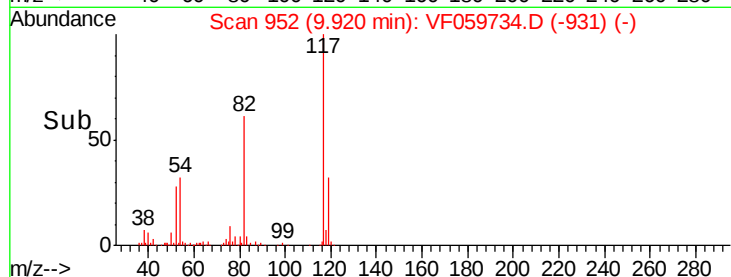
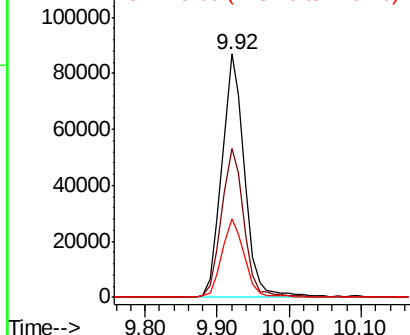


Abundance

Ion 117.00 (116.70 to 117.70): V

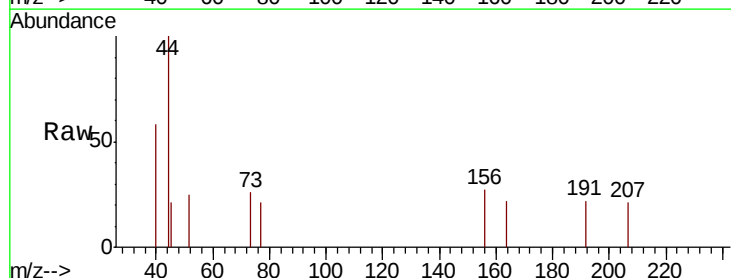
Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: Below Cal
RT: 8.18 min Scan# 775
Delta R.T. -0.13 min
Lab File: VF059734.D
Acq: 1 Aug 2018 4:35

Tgt 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#



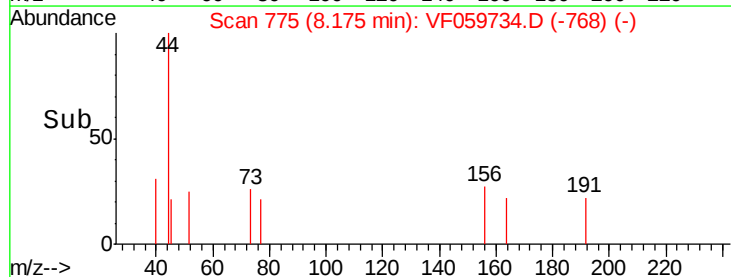
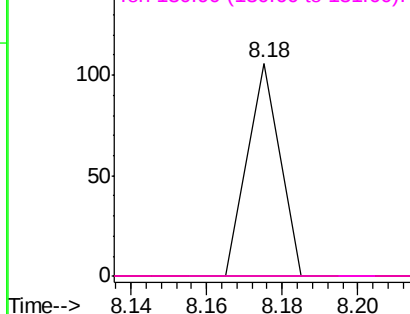
Abundance

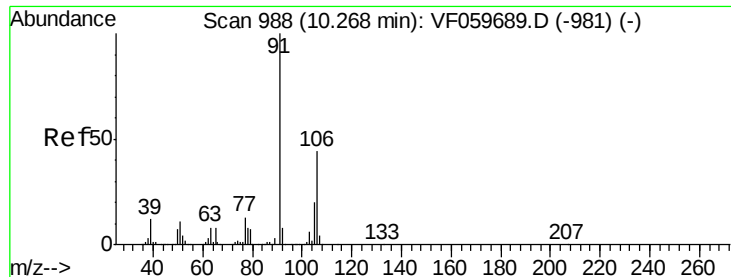
Ion 163.85 (163.55 to 164.55): V

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

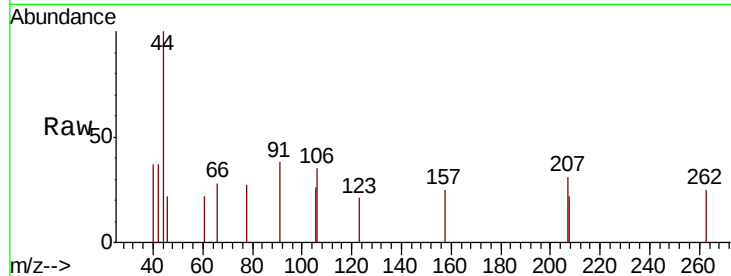




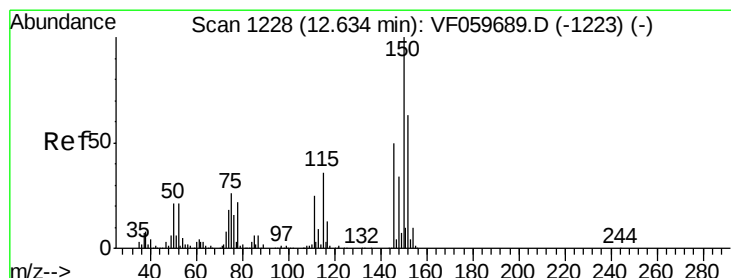
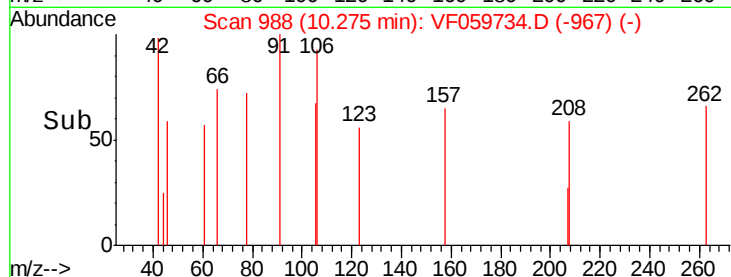
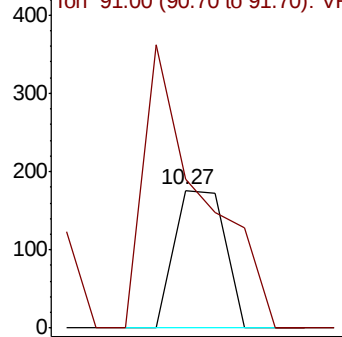
#68
m/p-Xvlenes
Concen: Below Cal
RT: 10.27 min Scan# 988
Delta R.T. 0.01 min
Lab File: VF059734.D
Acq: 1 Aug 2018 4:35

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:106 Resp: 206
Ion Ratio Lower Upper
106 100
91 108.0 181.7 272.5#

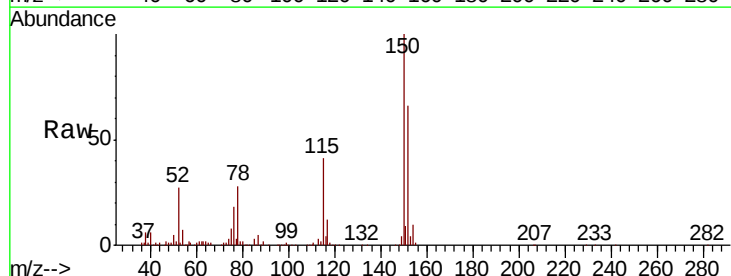


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

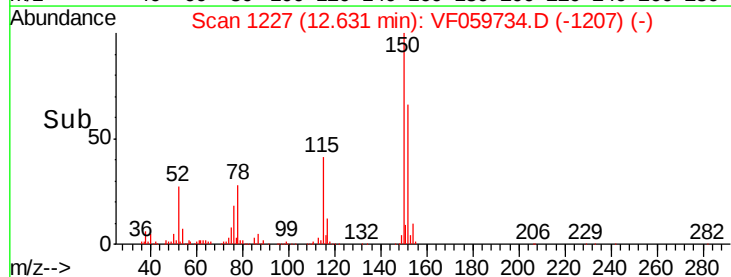
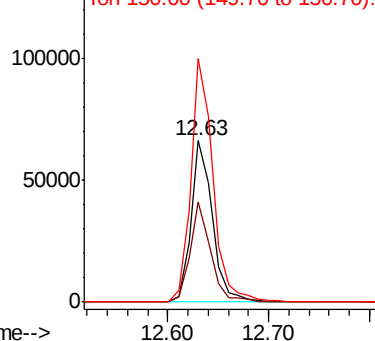


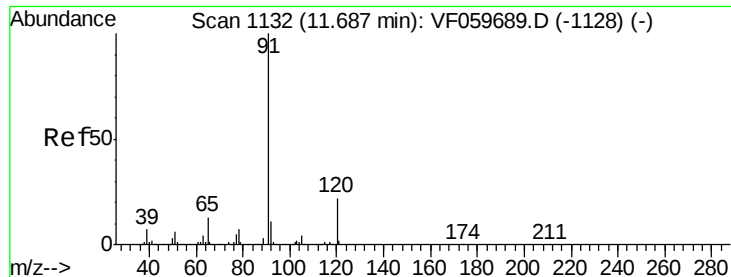
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059734.D
Acq: 1 Aug 2018 4:35

Tgt Ion:152 Resp: 98342
Ion Ratio Lower Upper
152 100
115 62.3 28.2 84.6
150 150.7 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: 11.71 min Scan# 1134

Delta R.T. 0.03 min

Lab File: VF059734.D

Acq: 1 Aug 2018 4:35

Instrument :

MSVOA_F

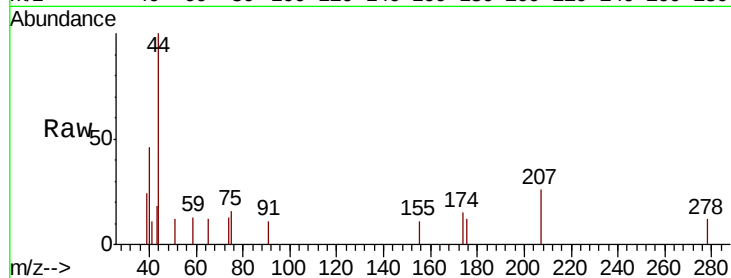
ClientSampled :

Tot Ion: 91 Resp: 62

Ion Ratio Lower Upper

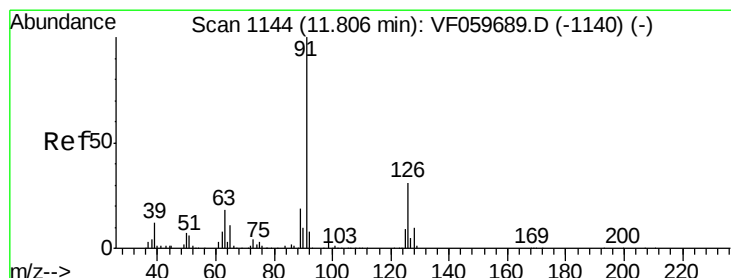
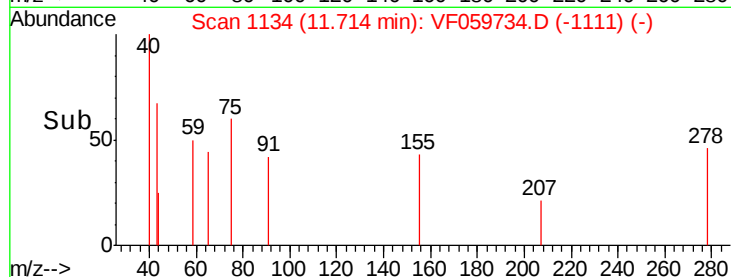
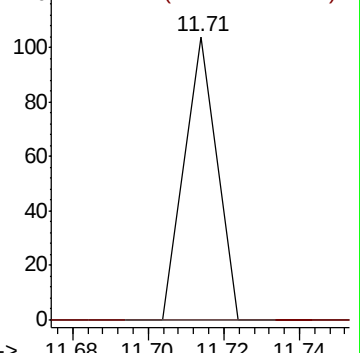
91 100

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: 11.82 min Scan# 1145

Delta R.T. 0.02 min

Lab File: VF059734.D

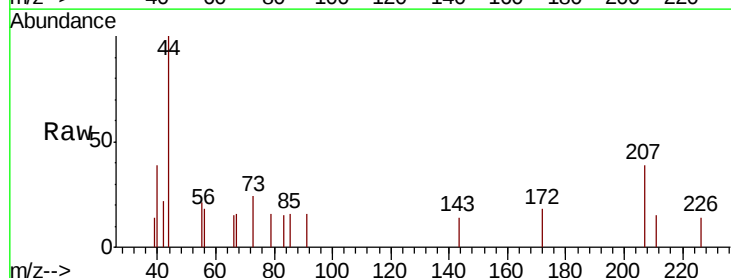
Acq: 1 Aug 2018 4:35

Tgt Ion: 91 Resp: 132

Ion Ratio Lower Upper

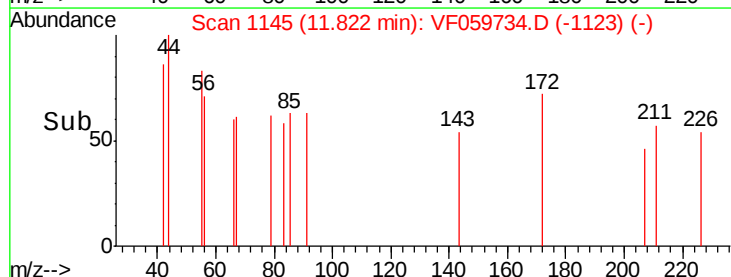
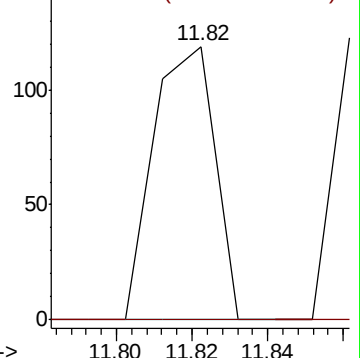
91 100

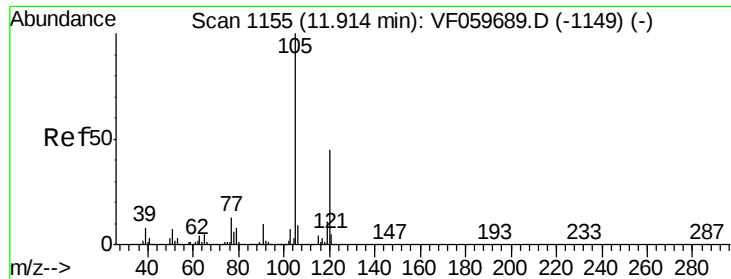
126 0.0 15.4 46.2#



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: 11.99 min Scan# 1162

Delta R.T. 0.08 min

Lab File: VF059734.D

Acq: 1 Aug 2018 4:35

Instrument :

MSVOA_F

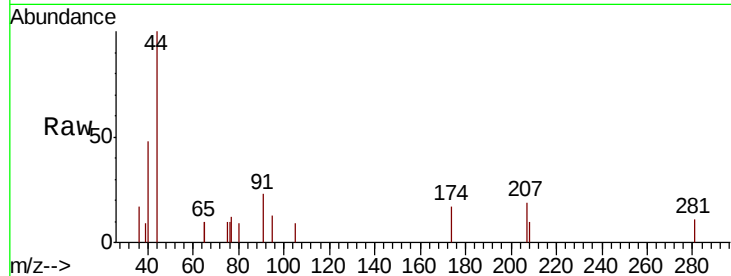
ClientSampled :

Tot Ion:105 Resp: 63

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

11.99

120

100

80

60

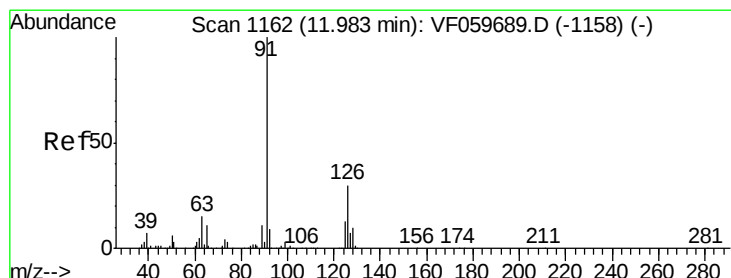
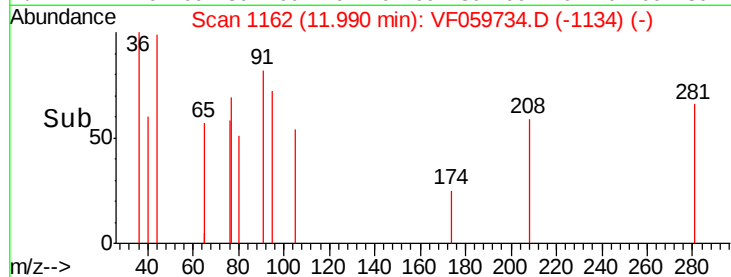
40

20

0

Time-->

11.96 11.98 12.00 12.02



#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.99 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VF059734.D

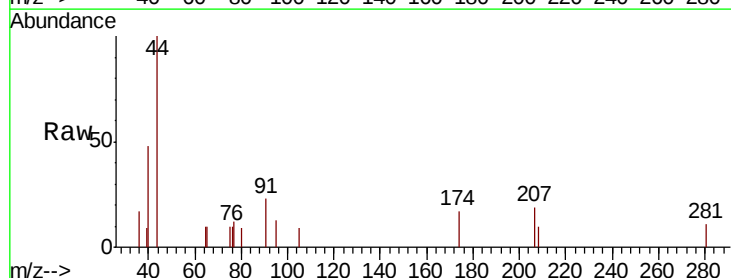
Acq: 1 Aug 2018 4:35

Tgt Ion: 91 Resp: 300

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

11.99

300

250

200

150

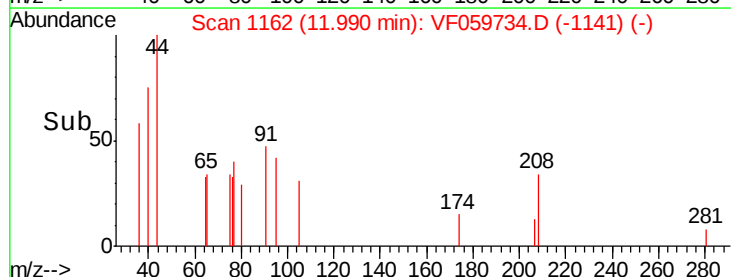
100

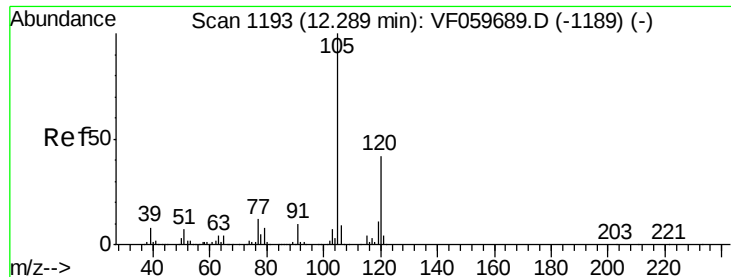
50

0

Time-->

11.95 12.00 12.05





#84

1,2,4-Trimethylbenzene

Concen: Below Cal

RT: 12.31 min Scan# 1194

Delta R.T. 0.02 min

Lab File: VF059734.D

Acq: 1 Aug 2018 4:35

Instrument :

MSVOA_F

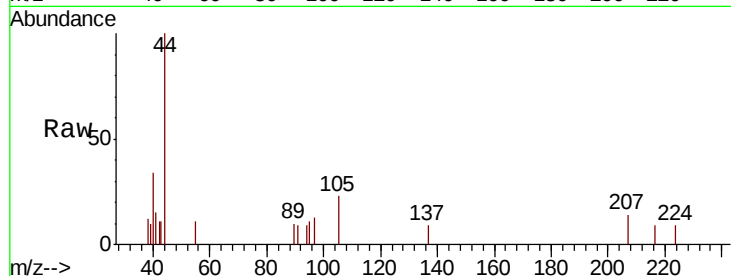
ClientSampleId :

Tot Ion:105 Resp: 323

Ion Ratio Lower Upper

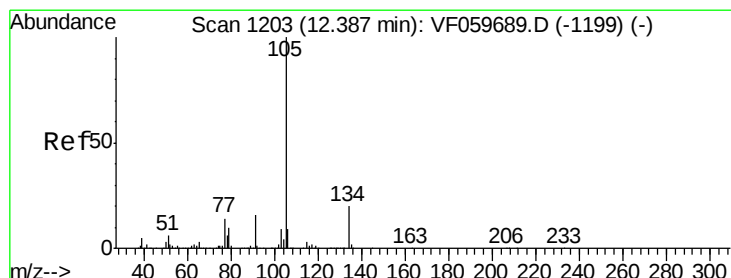
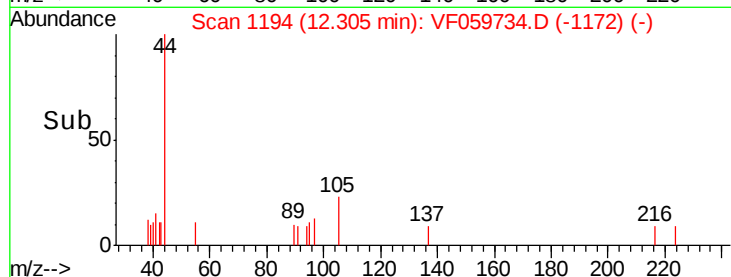
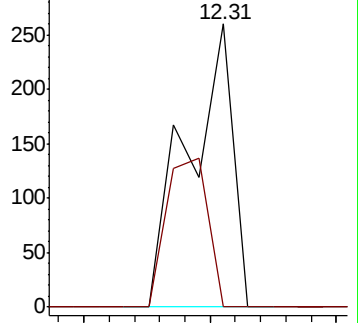
105 100

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: 12.39 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VF059734.D

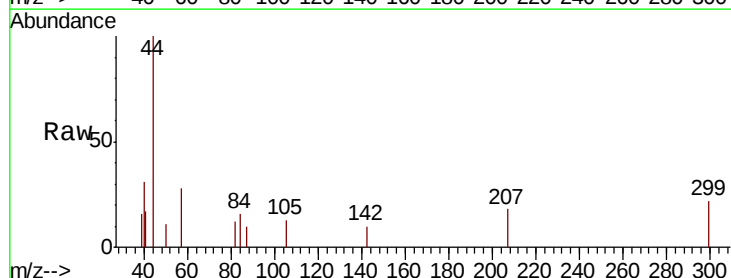
Acq: 1 Aug 2018 4:35

Tgt Ion:105 Resp: 82

Ion Ratio Lower Upper

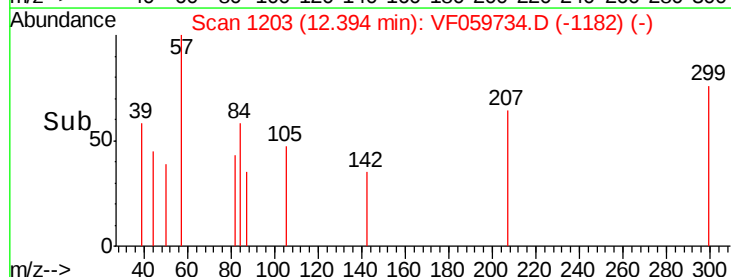
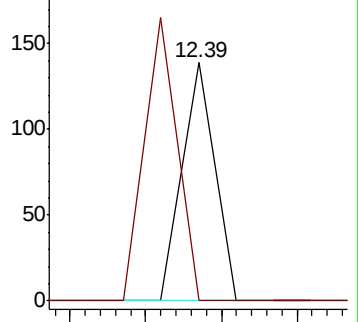
105 100

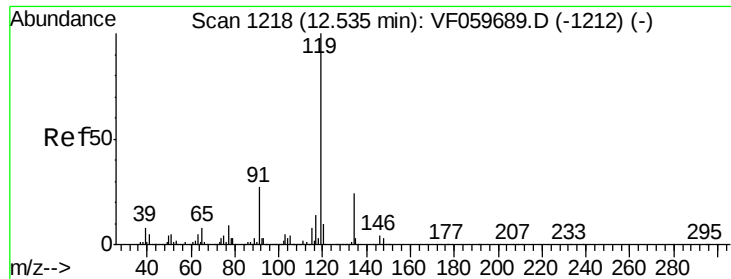
134 0.0 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

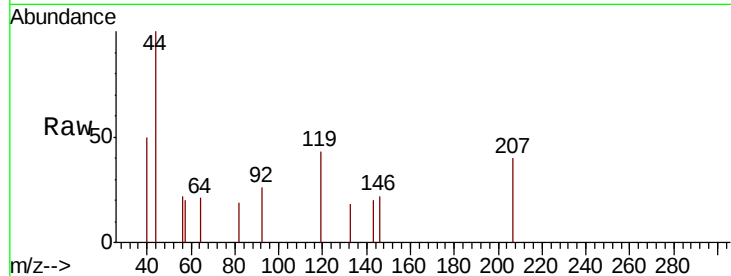




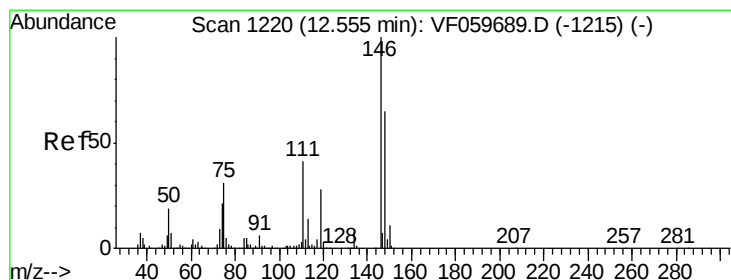
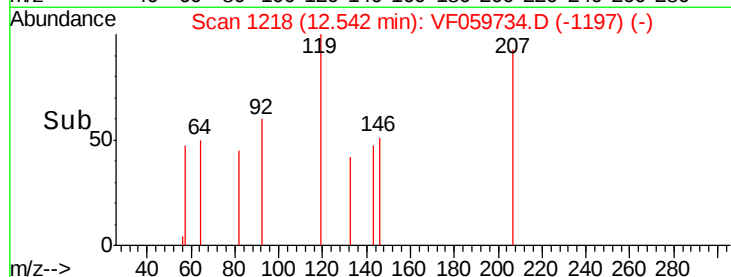
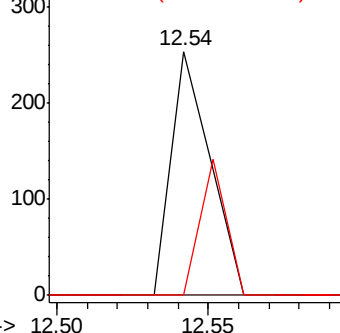
#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF059734.D
 Acq: 1 Aug 2018 4:35

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#

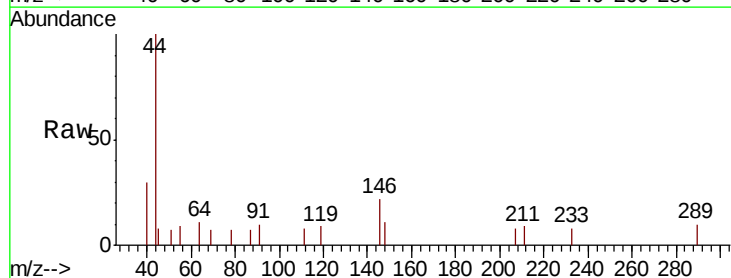


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

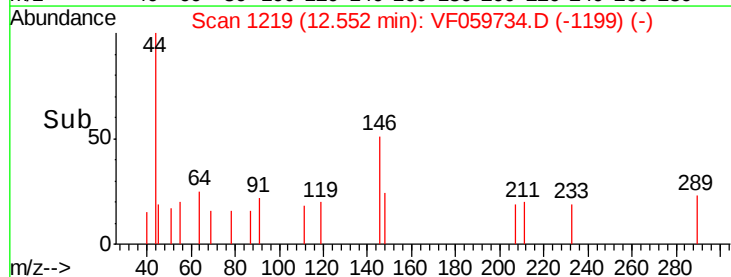
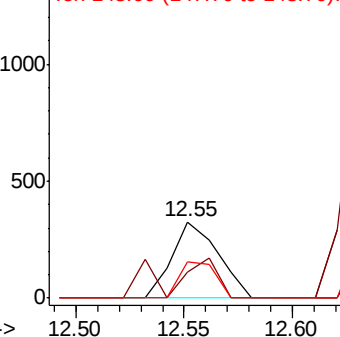


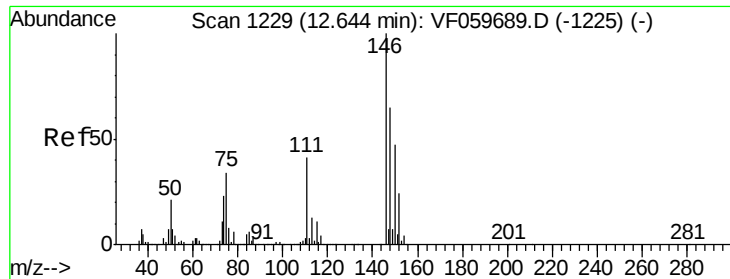
#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059734.D
 Acq: 1 Aug 2018 4:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.7	20.7	62.1
148	47.2	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: 12.55 min Scan# 1219

Delta R.T. -0.09 min

Lab File: VF059734.D

Acq: 1 Aug 2018 4:35

Instrument :

MSVOA_F

ClientSampleId :

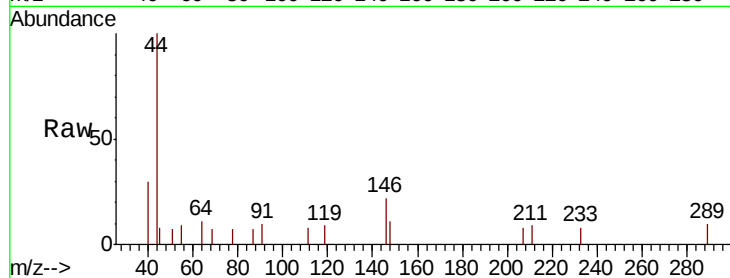
Tot Ion:146 Resp: 480

Ion Ratio Lower Upper

146 100

111 34.7 20.8 62.2

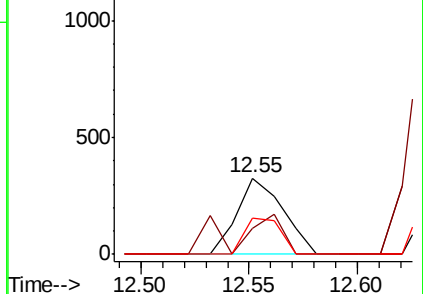
148 47.2 32.3 96.9



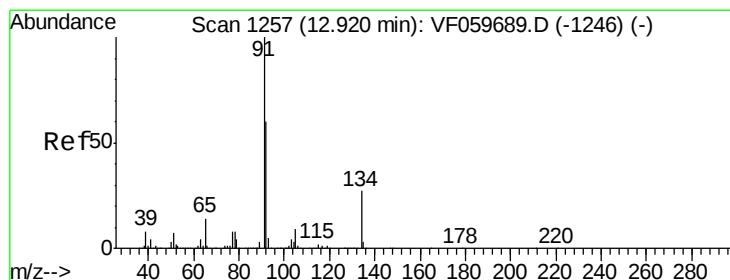
Abundance Ion 146.00 (145.70 to 146.70): V

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# 1256

Delta R.T. -0.00 min

Lab File: VF059734.D

Acq: 1 Aug 2018 4:35

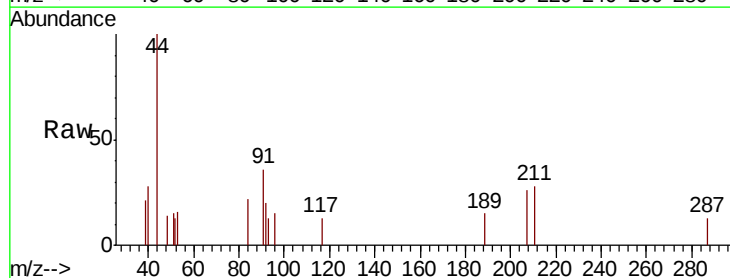
Tgt Ion: 91 Resp: 349

Ion Ratio Lower Upper

91 100

92 56.3 30.1 90.3

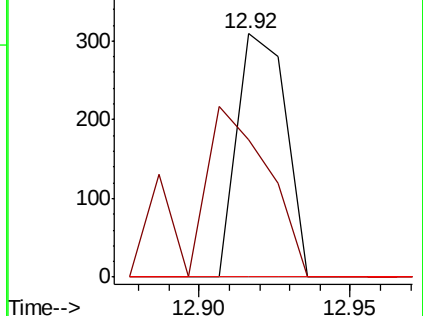
134 0.0 13.7 41.0#



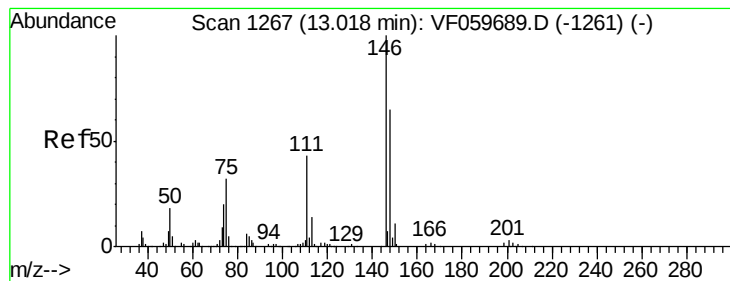
Abundance Ion 91.00 (90.70 to 91.70): VF0

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. 0.01 min

Lab File: VF059734.D

Acq: 1 Aug 2018 4:35

Instrument :

MSVOA_F

ClientSampleId :

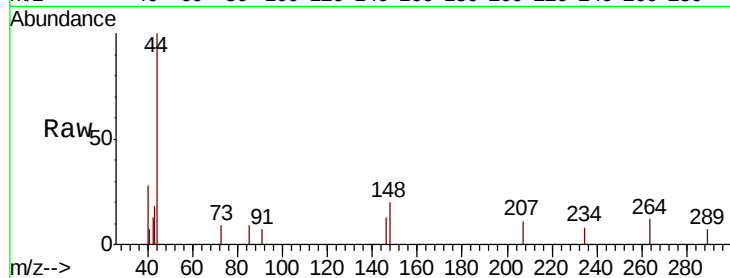
Tot Ion:146 Resp: 261

Ion Ratio Lower Upper

146 100

111 0.0 21.6 65.0#

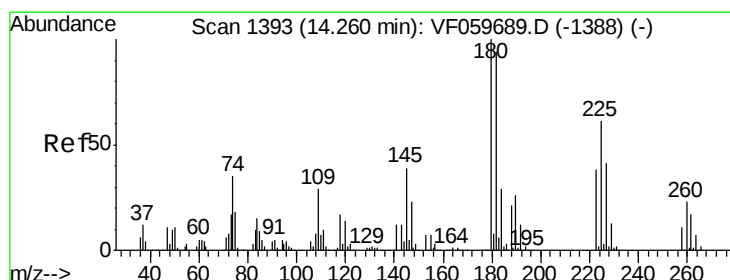
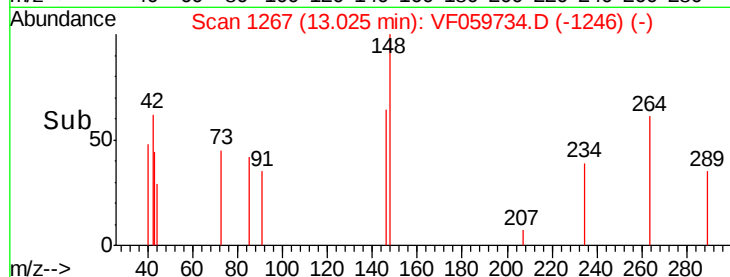
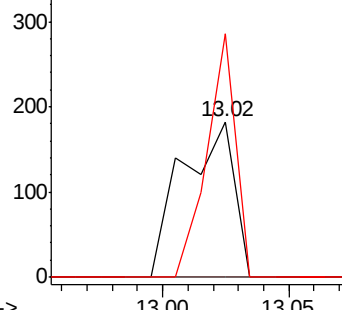
148 157.1 32.3 96.9#



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: VF059734.D

Acq: 1 Aug 2018 4:35

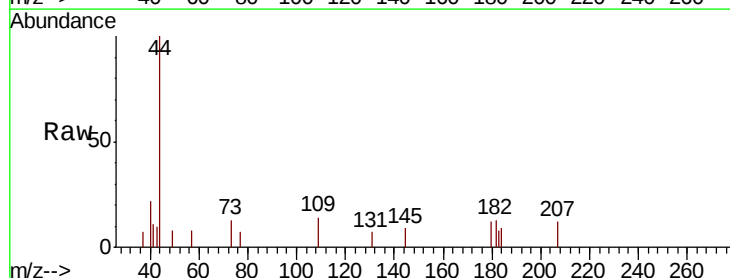
Tgt Ion:180 Resp: 267

Ion Ratio Lower Upper

180 100

182 180.9 47.2 141.6#

145 75.8 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

