

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059721.D
 Acq On : 31 Jul 2018 20:44
 Operator : VA/AP
 Sample : J4140-10RE
 Misc : 6.01g/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 01 07:34:17 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	5.03	168	149068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	234217	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	152301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	24857	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	152431	56.90	ug/l	0.00
Spiked Amount			Recovery	=	113.80%	
35) Dibromofluoromethane	4.28	113	132093	54.30	ug/l	0.00
Spiked Amount			Recovery	=	108.60%	
50) Toluene-d8	7.71	98	200987	35.43	ug/l	0.00
Spiked Amount			Recovery	=	70.86%	
62) 4-Bromofluorobenzene	11.51	95	41028	13.06	ug/l	0.00
Spiked Amount			Recovery	=	26.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	88	Below Cal	#	44
3) Chloromethane	1.11	50	732	Below Cal		92
4) Vinyl Chloride	1.10	62	81	Below Cal	#	47
5) Bromomethane	1.34	94	215	Below Cal	#	4
6) Chloroethane	1.45	64	91	Below Cal	#	35
10) Methyl Iodide	1.91	142	90	Below Cal	#	20
11) Tert butyl alcohol	2.69	59	795	5.935	ug/l #	74
13) Acrolein	2.08	56	162	18.744	ug/l	82
15) Acrylonitrile	3.08	53	255	1.536	ug/l #	85
16) Acetone	2.33	43	27831	57.755	ug/l	98
17) Carbon Disulfide	1.88	76	701	Below Cal	#	71
18) Methyl Acetate	2.42	43	1941	Below Cal	#	64
20) Methylene Chloride	2.26	84	3139	Below Cal	#	73
21) trans-1,2-Dichloroethene	2.39	96	63	Below Cal	#	1
28) Bromochloromethane	3.71	49	77	Below Cal	#	15
29) Tetrahydrofuran	4.26	42	432	2.090	ug/l #	39
31) Cyclohexane	3.82	56	60	Below Cal	#	15
36) 1,1-Dichloropropene	4.41	75	234	Below Cal	#	46
37) Ethyl Acetate	4.27	43	336	Below Cal	#	19
39) Methylcyclohexane	5.76	83	4452	Below Cal	#	34
41) Methacrylonitrile	4.95	41	95	Below Cal	#	17
44) Trichloroethene	5.57	130	60	Below Cal		2
49) 1,4-Dioxane	6.77	88	61	Below Cal	#	25
52) Toluene	7.77	92	611	Below Cal	#	27
64) Tetrachloroethene	8.30	164	68	Below Cal	#	1
78) n-propylbenzene	11.69	91	303	Below Cal	#	54
79) 2-Chlorotoluene	11.80	91	147	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	11.90	105	319	Below Cal	#	31
81) trans-1,4-Dichloro-2-buten	11.88	75	154	1.424	ug/l #	9
82) 4-Chlorotoluene	11.98	91	104	Below Cal	#	44
84) 1,2,4-Trimethylbenzene	12.28	105	216	Below Cal	#	58
85) sec-Butylbenzene	12.28	105	216	Below Cal	#	57
86) p-Isopropyltoluene	12.56	119	65	Below Cal	#	49
87) 1,3-Dichlorobenzene	12.55	146	142	Below Cal	#	15

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ALS Vial : 100 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Aug 01 07:34:17 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

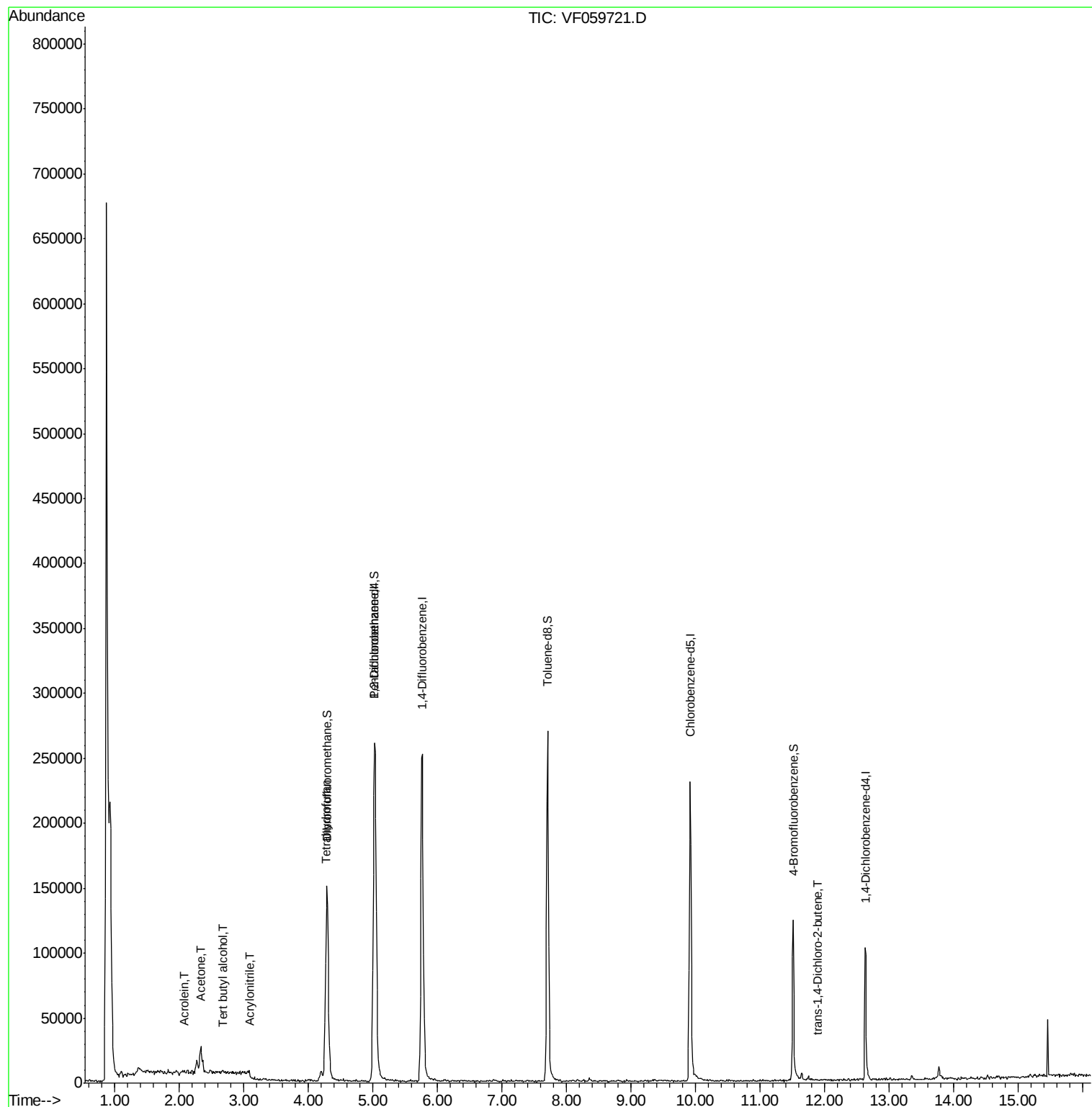
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	12.65	146	367	Below Cal	#	24
89) n-Butylbenzene	12.91	91	231	Below Cal	#	1
91) 1,2-Dichlorobenzene	13.02	146	64	Below Cal	#	24
93) 1,2,4-Trichlorobenzene	14.26	180	219	Below Cal		87

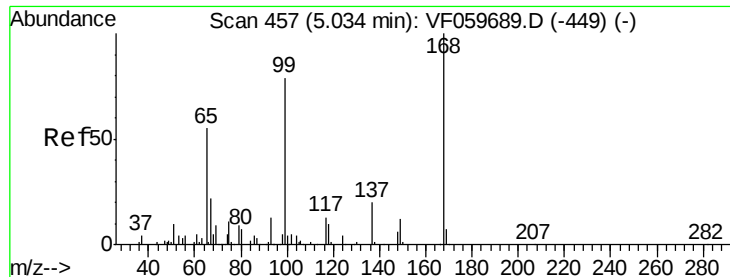
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Aug 01 07:34:17 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

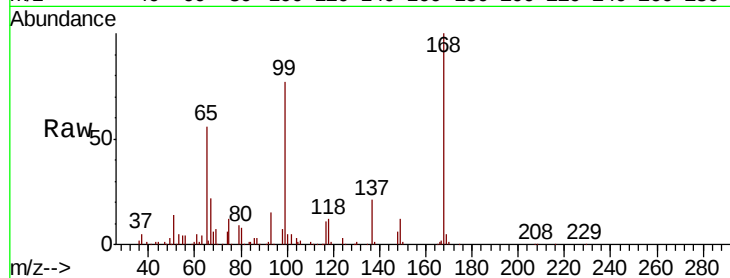
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 149068

Ion Ratio Lower Upper

168 100

99 77.5 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

60000

50000

40000

30000

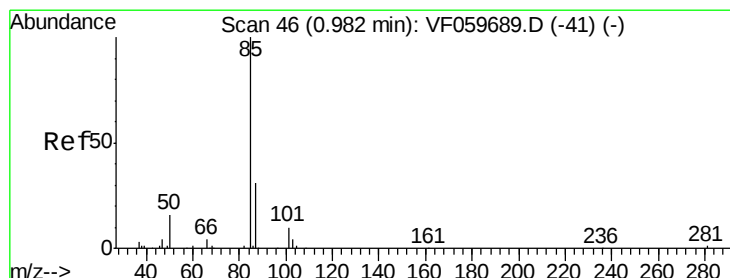
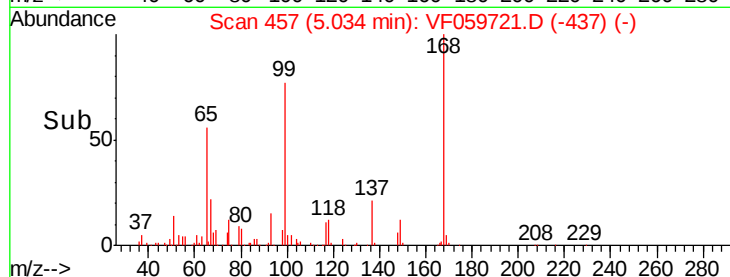
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.00 min Scan# 48

Delta R.T. 0.02 min

Lab File: VF059721.D

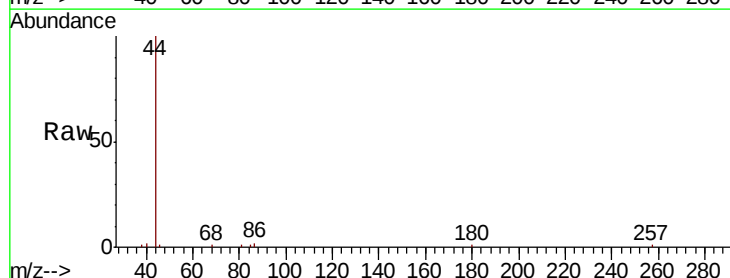
Acq: 31 Jul 2018 20:44

Tgt Ion: 85 Resp: 88

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

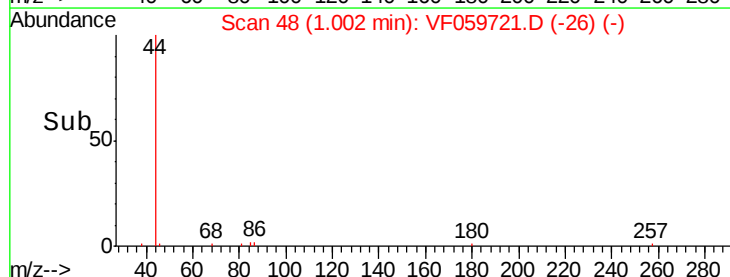
100

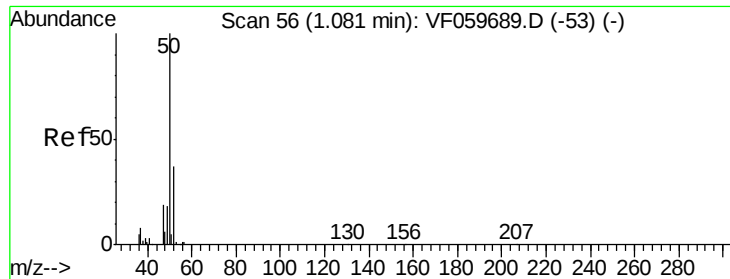
50

0

Time-->

0.98 1.00 1.02





#3

Chloromethane

Concen: Below Cal

RT: 1.11 min Scan# 59

Delta R.T. 0.03 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

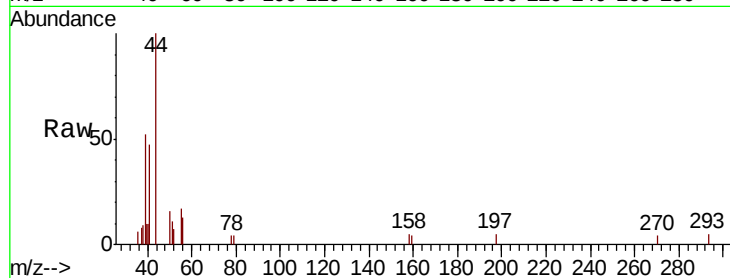
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 732

Ion Ratio Lower Upper

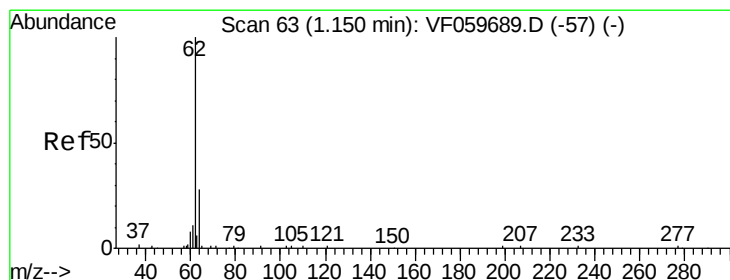
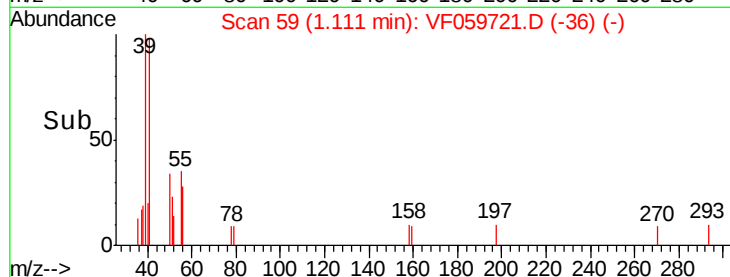
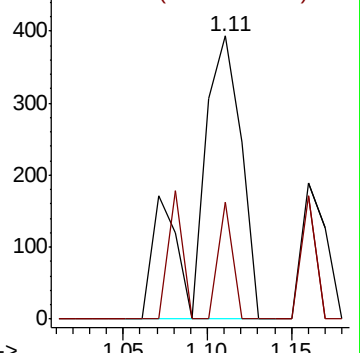
50 100

52 41.2 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: 1.10 min Scan# 58

Delta R.T. -0.05 min

Lab File: VF059721.D

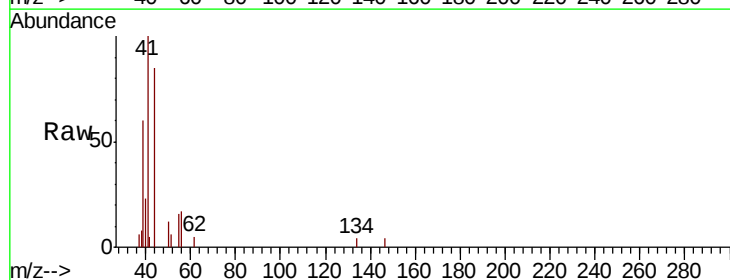
Acq: 31 Jul 2018 20:44

Tgt Ion: 62 Resp: 81

Ion Ratio Lower Upper

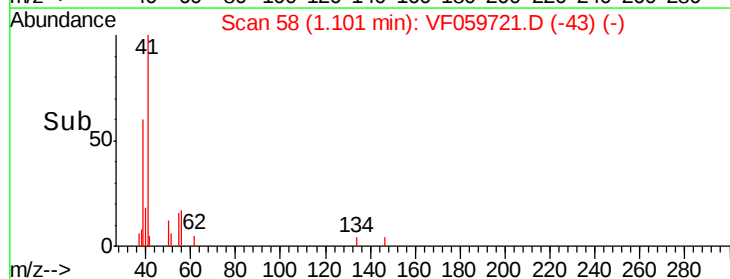
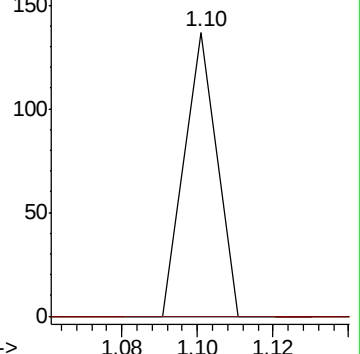
62 100

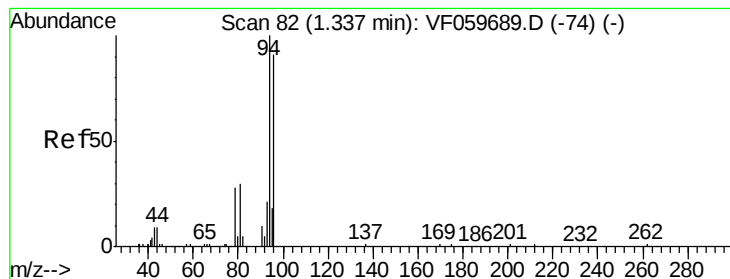
64 0.0 22.6 33.8#



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: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

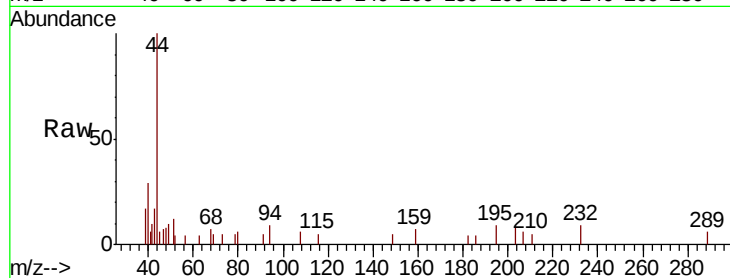
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 215

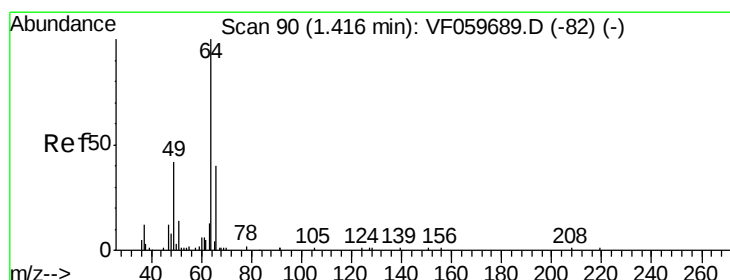
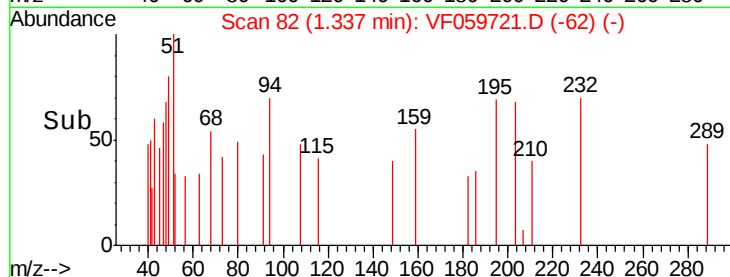
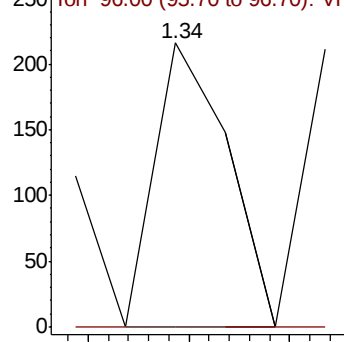
Ion Ratio Lower Upper

94 100

96 0.0 73.6 110.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0
Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: Below Cal

RT: 1.45 min Scan# 93

Delta R.T. 0.03 min

Lab File: VF059721.D

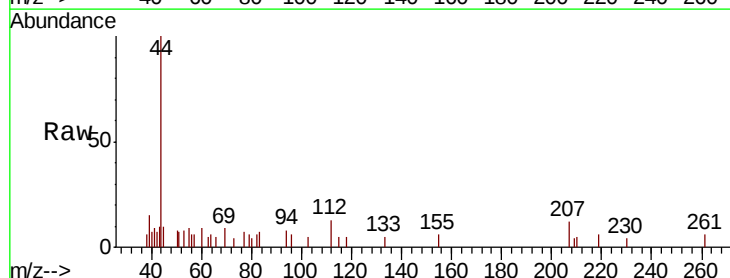
Acq: 31 Jul 2018 20:44

Tgt Ion: 64 Resp: 91

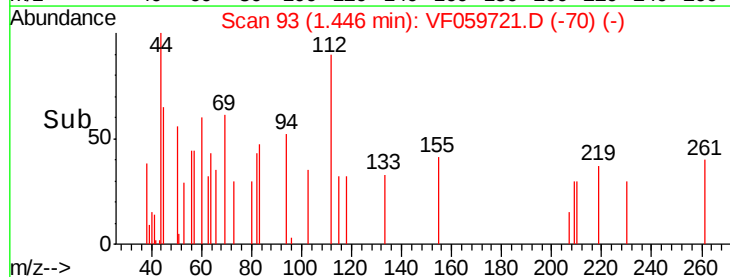
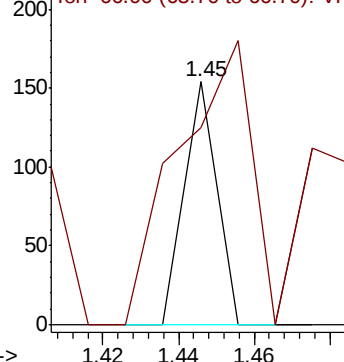
Ion Ratio Lower Upper

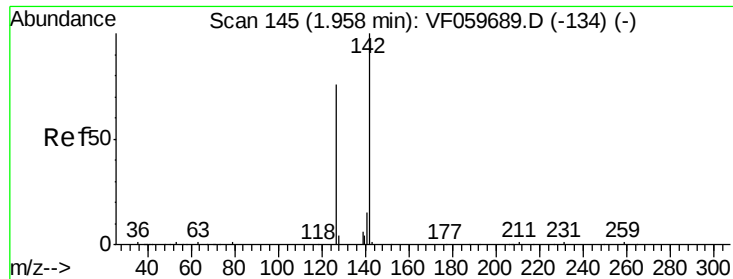
64 100

66 81.2 32.6 49.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0
Ion 66.00 (65.70 to 66.70): VF0





#10

Methyl Iodide

Concen: Below Cal

RT: 1.91 min Scan# 140

Delta R.T. -0.05 min

Lab File: VF059721.D

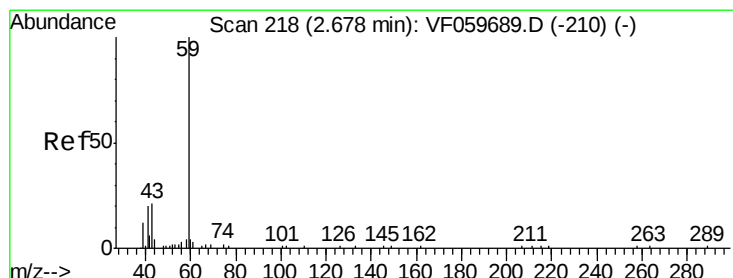
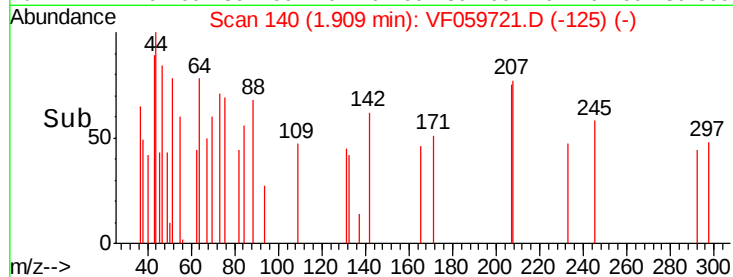
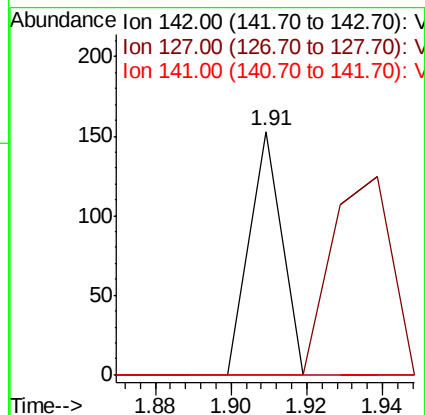
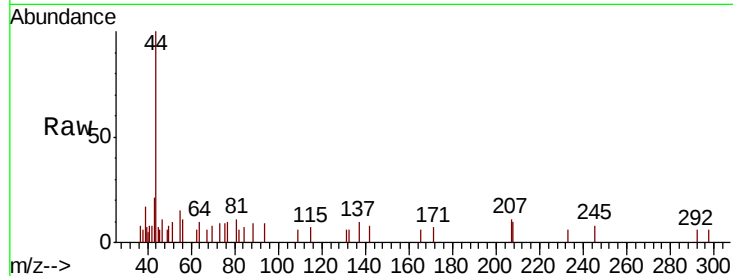
Acq: 31 Jul 2018 20:44

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	142	Resp:	90
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: 5.935 ug/l

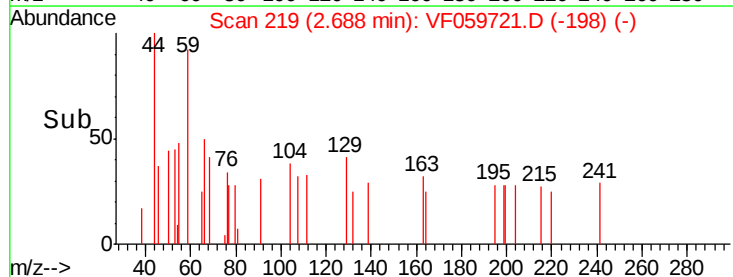
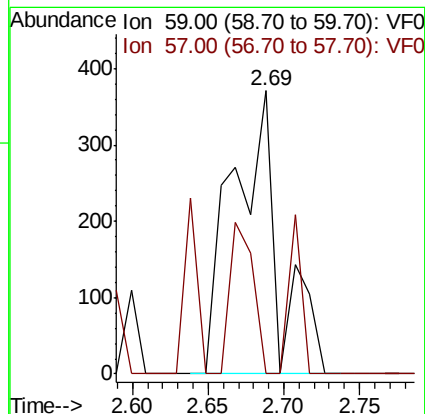
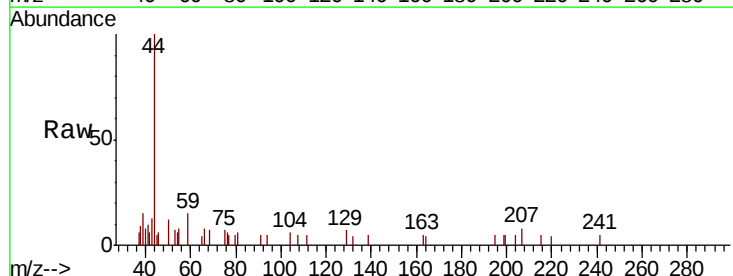
RT: 2.69 min Scan# 219

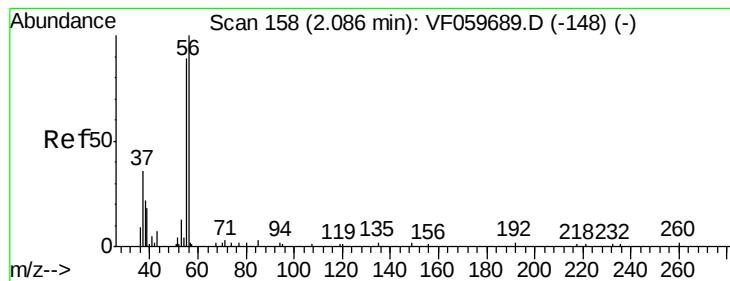
Delta R.T. 0.01 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

Tgt Ion:	59	Resp:	795
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.6	11.4#





#13

Acrolein

Concen: 18.744 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

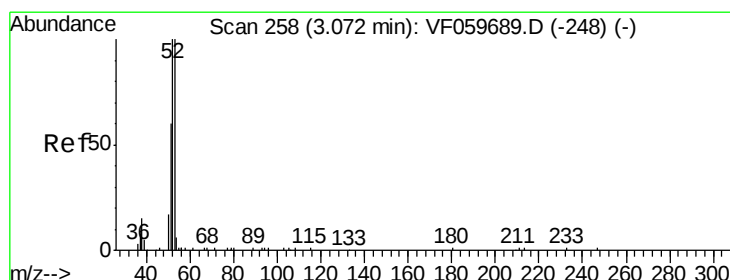
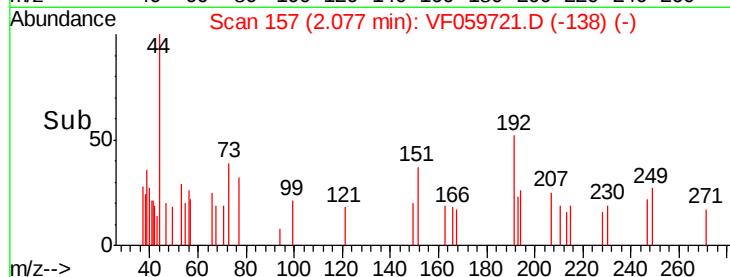
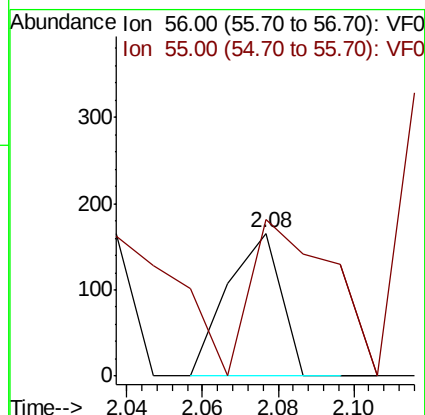
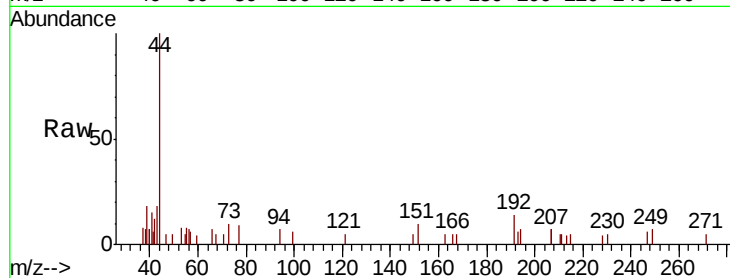
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 162

Ion Ratio Lower Upper

56 100

55 109.0 73.2 109.8



#15

Acrylonitrile

Concen: 1.536 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

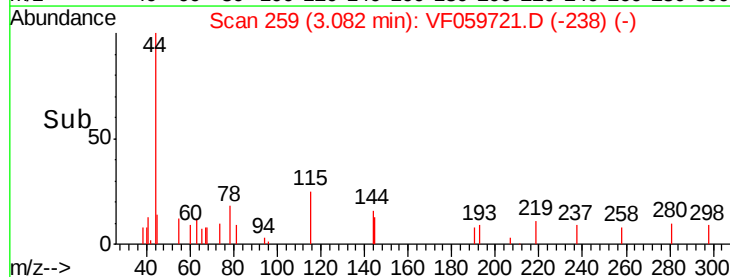
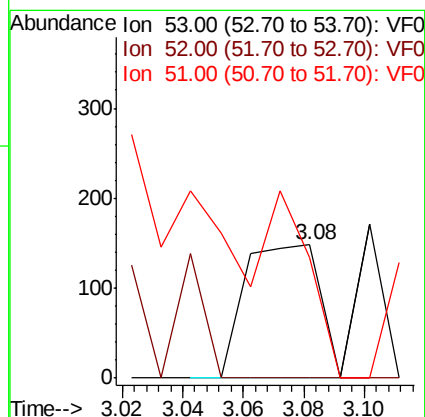
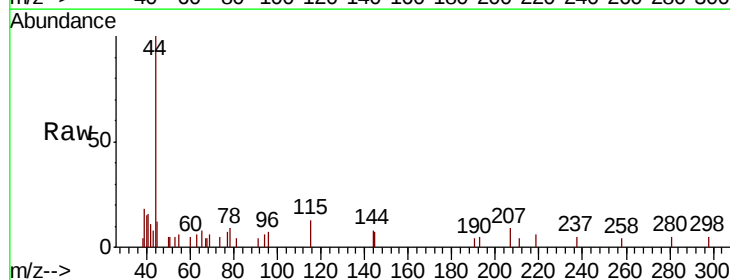
Tgt Ion: 53 Resp: 255

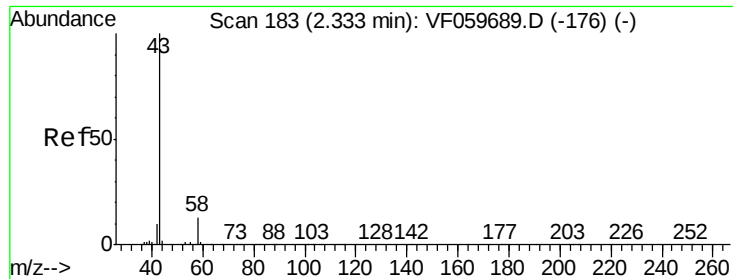
Ion Ratio Lower Upper

53 100

52 100.0 80.3 120.5

51 91.2 49.4 74.0#

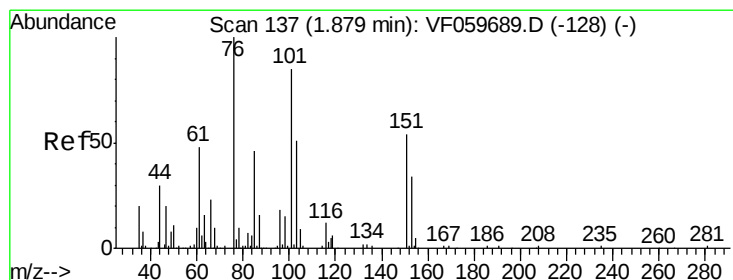
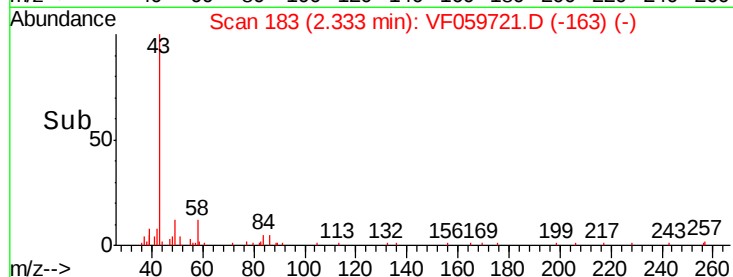
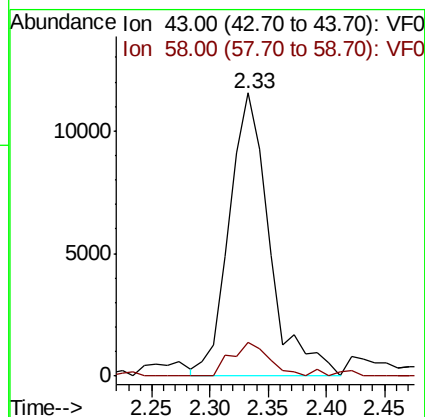
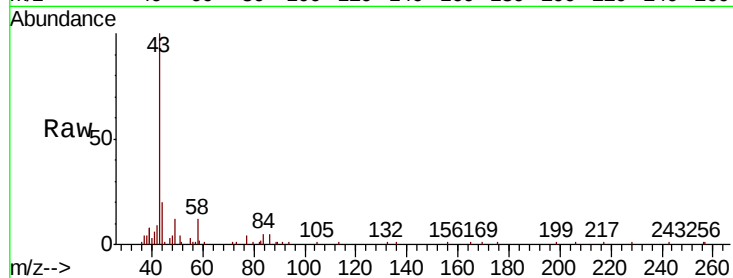




#16
Acetone
Concen: 57.755 ug/l
RT: 2.33 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF059721.D
Acq: 31 Jul 2018 20:44

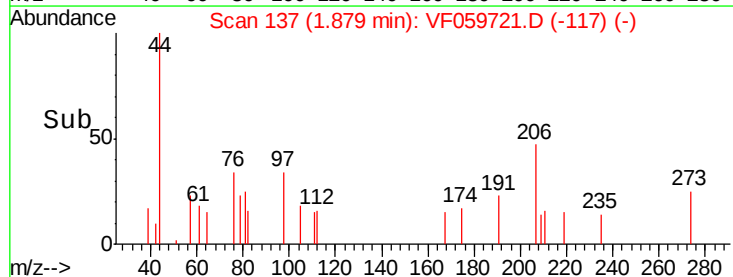
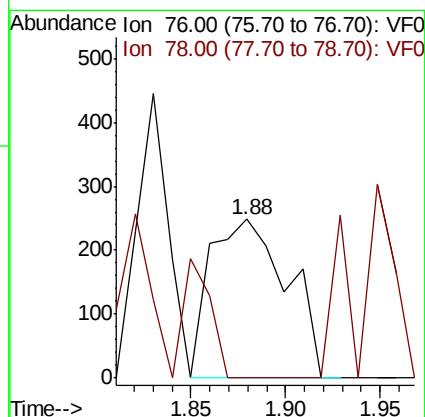
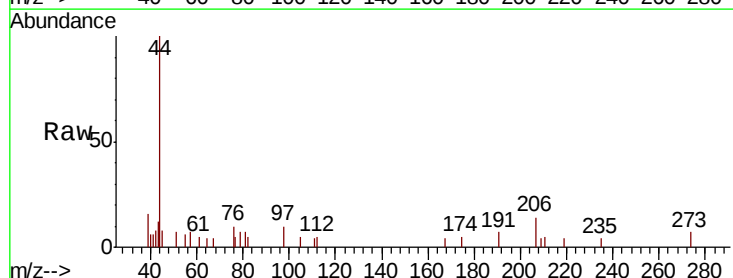
Instrument :
MSVOA_F
ClientSampleId :

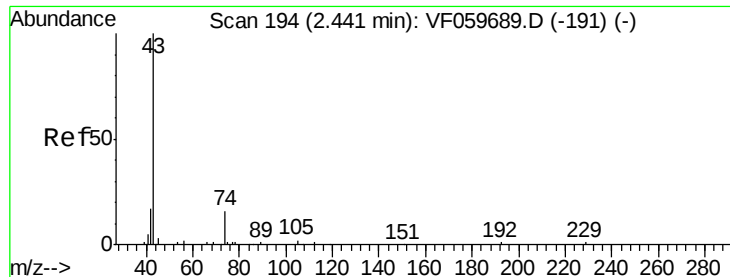
Tot Ion: 43 Resp: 27831
Ion Ratio Lower Upper
43 100
58 11.8 10.1 15.1



#17
Carbon Disulfide
Concen: Below Cal
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF059721.D
Acq: 31 Jul 2018 20:44

Tgt Ion: 76 Resp: 701
Ion Ratio Lower Upper
76 100
78 0.0 8.9 13.3#

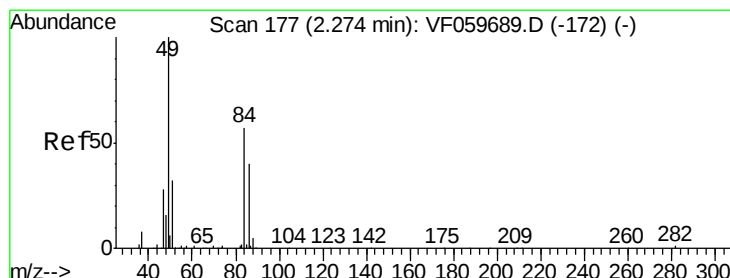
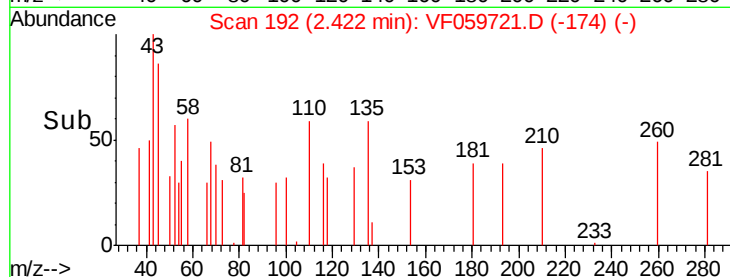
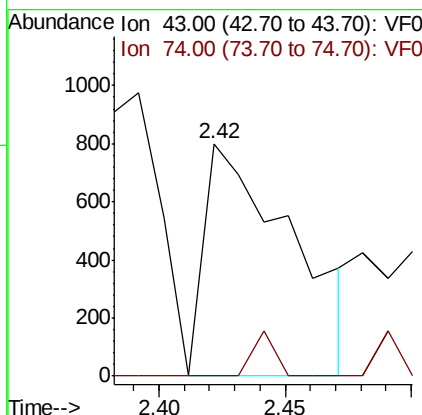
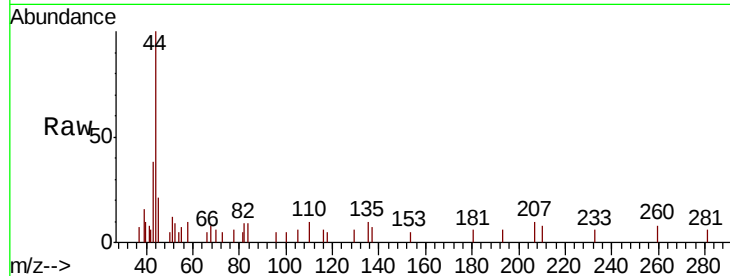




#18
Methyl Acetate
Concen: Below Cal
RT: 2.42 min Scan# 192
Delta R.T. -0.02 min
Lab File: VF059721.D
Acq: 31 Jul 2018 20:44

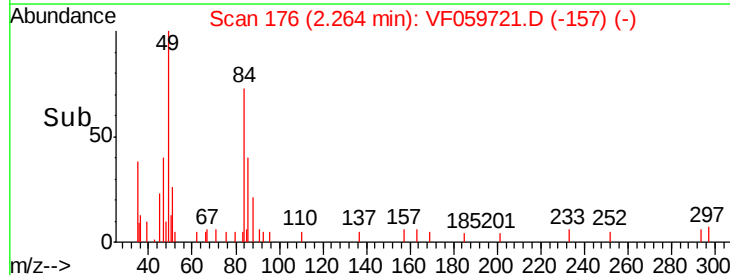
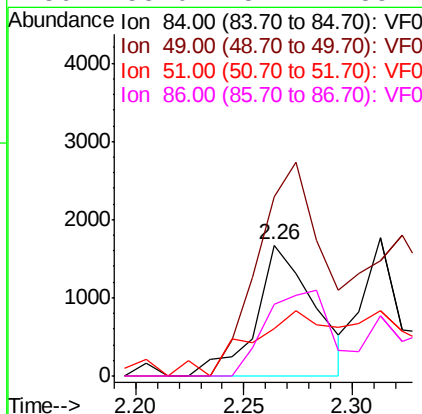
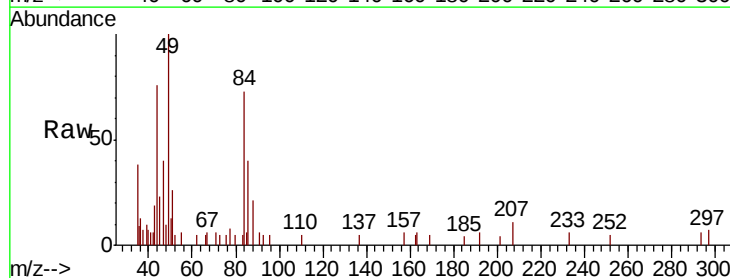
Instrument :
MSVOA_F
ClientSampleId :

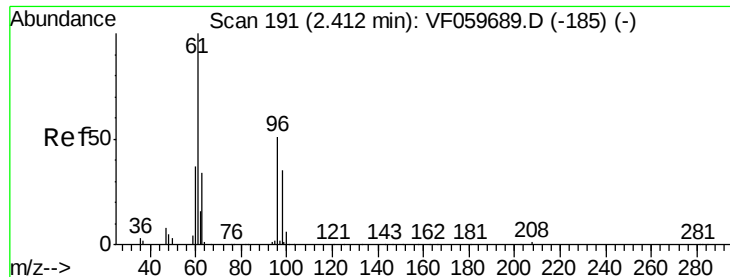
Tot Ion: 43 Resp: 1941
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.26 min Scan# 176
Delta R.T. -0.01 min
Lab File: VF059721.D
Acq: 31 Jul 2018 20:44

Tgt Ion: 84 Resp: 3139
Ion Ratio Lower Upper
84 100
49 137.2 142.2 213.4#
51 36.2 46.2 69.2#
86 55.0 57.1 85.7#





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 2.39 min Scan# 189

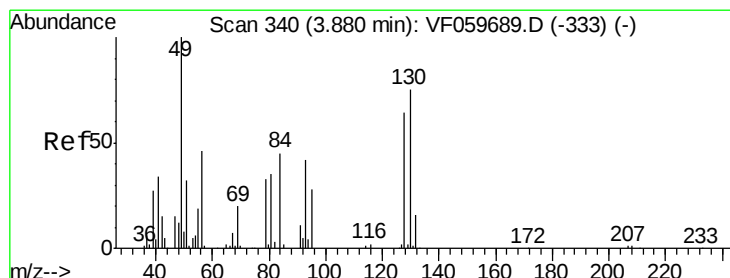
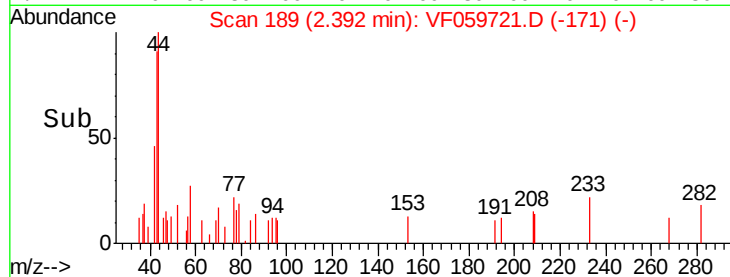
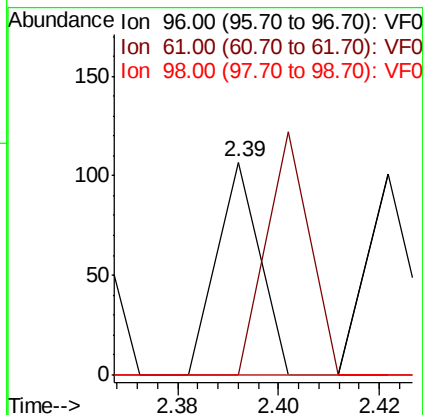
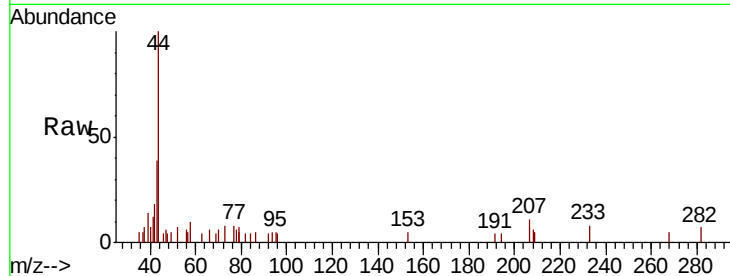
Delta R.T. -0.02 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	96	Resp:	63
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

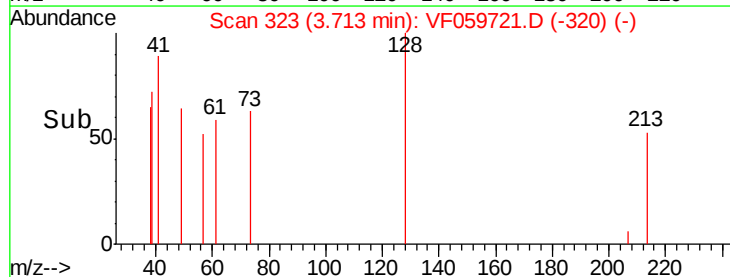
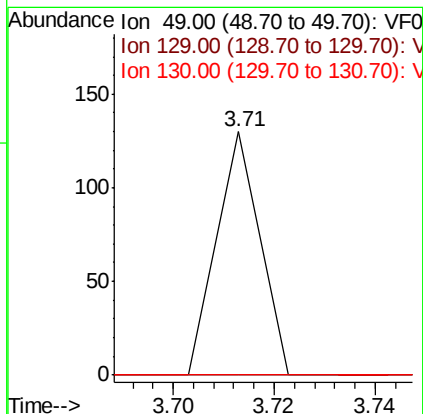
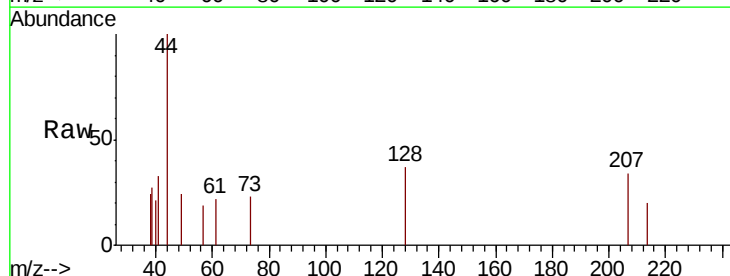
RT: 3.71 min Scan# 323

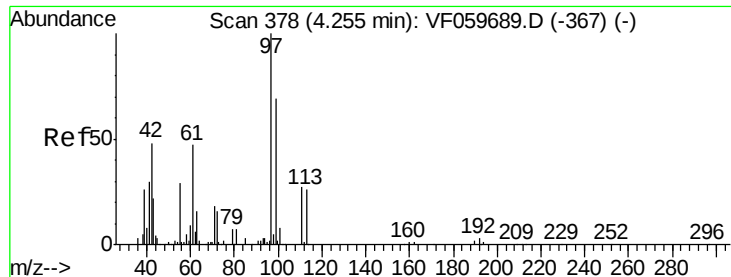
Delta R.T. -0.17 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

Tgt Ion:	49	Resp:	77
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	0.0	59.6	89.4#





#29

Tetrahydrofuran

Concen: 2.090 ug/l

RT: 4.26 min Scan# 379

Delta R.T. 0.01 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

Instrument :

MSVOA_F

ClientSampled :

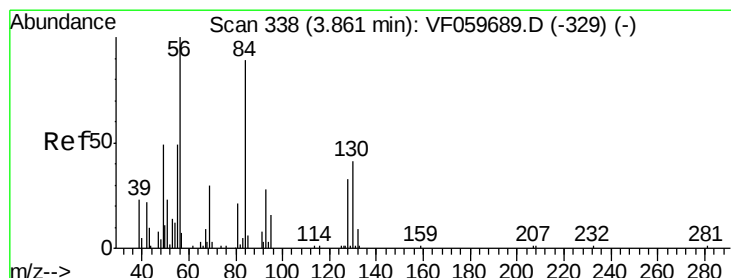
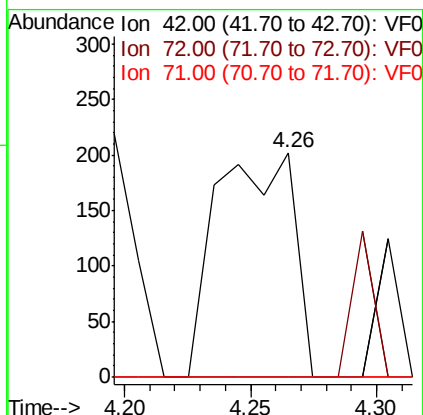
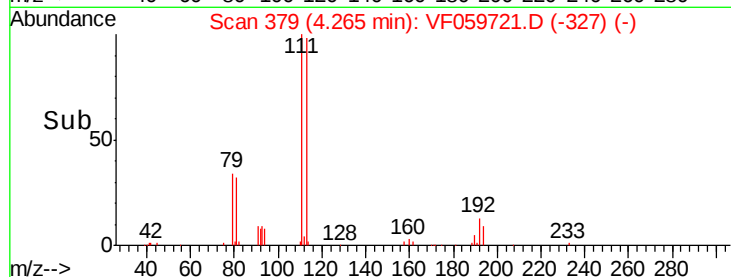
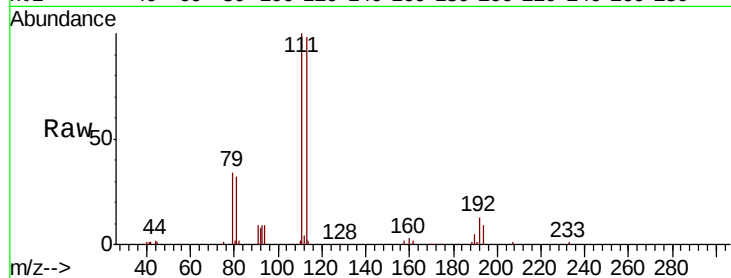
Tot Ion: 42 Resp: 432

Ion Ratio Lower Upper

42 100

72 0.0 27.0 40.6#

71 0.0 29.7 44.5#



#31

Cyclohexane

Concen: Below Cal

RT: 3.82 min Scan# 334

Delta R.T. -0.04 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

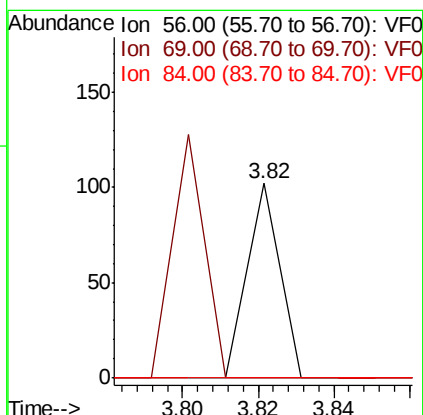
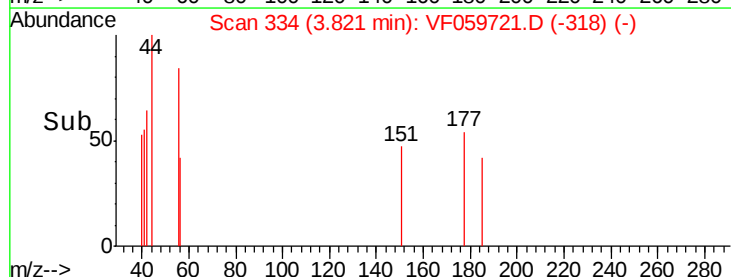
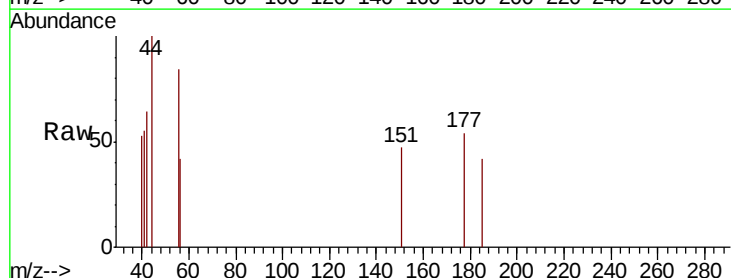
Tgt Ion: 56 Resp: 60

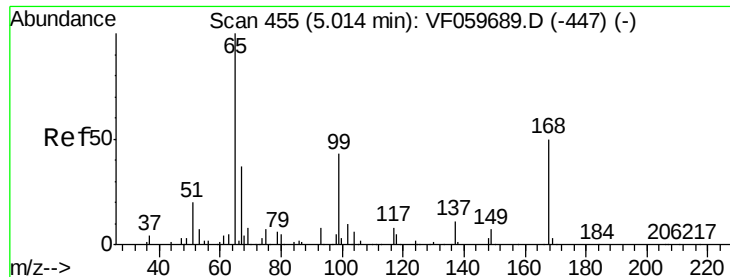
Ion Ratio Lower Upper

56 100

69 0.0 23.7 35.5#

84 0.0 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 56.898 ug/l

RT: 5.01 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

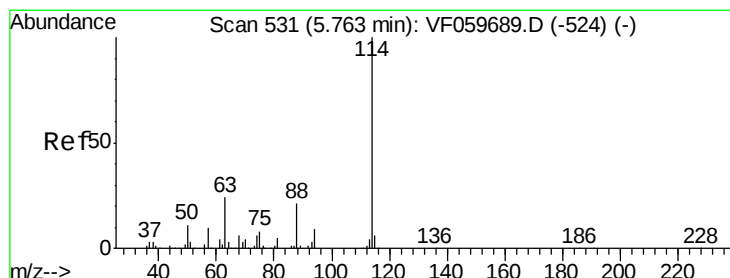
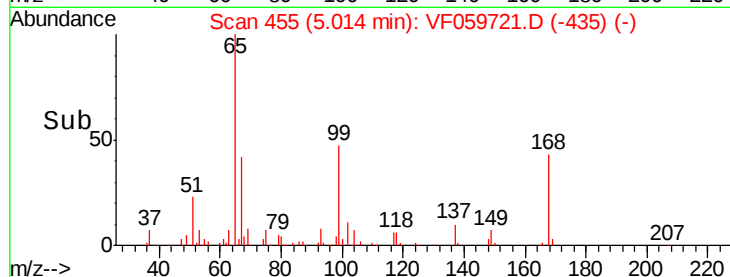
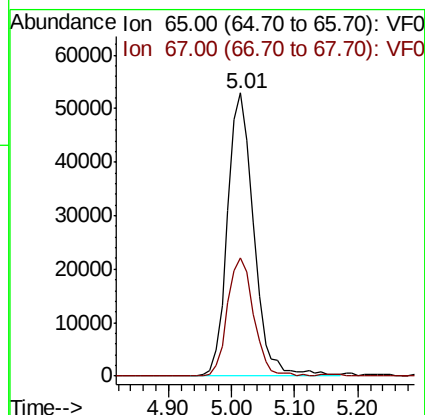
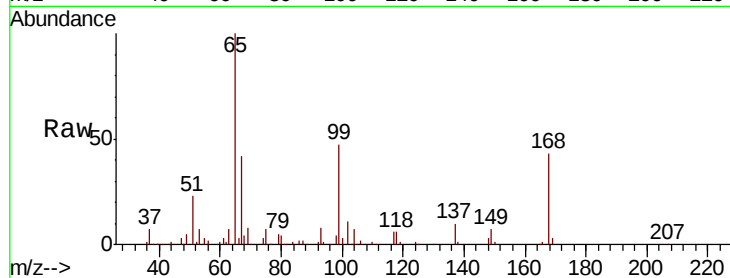
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 152431

Ion Ratio Lower Upper

65 100

67 41.9 0.0 84.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.00 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

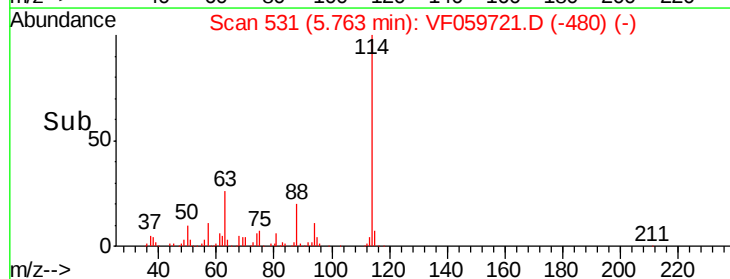
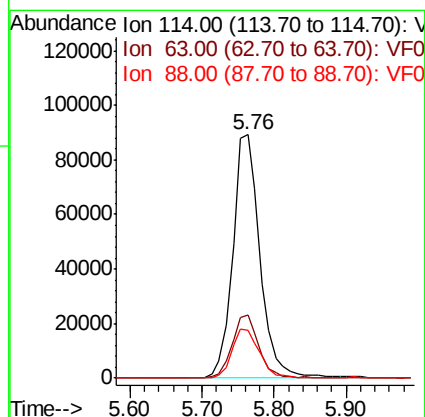
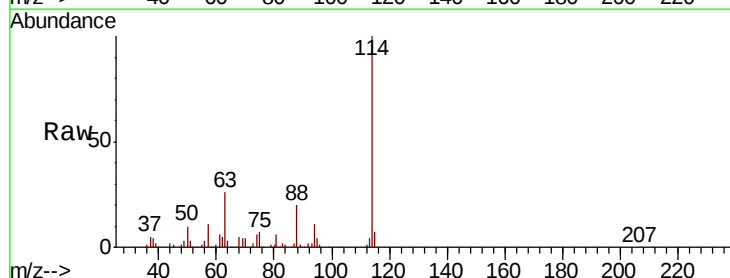
Tgt Ion: 114 Resp: 234217

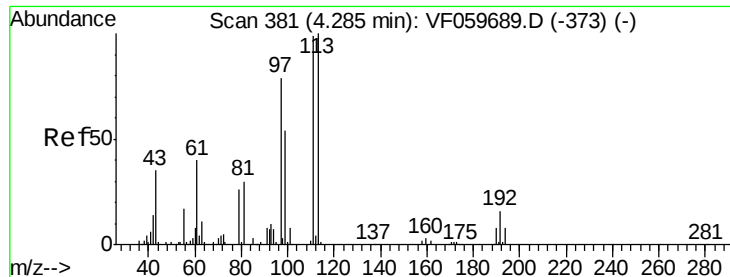
Ion Ratio Lower Upper

114 100

63 26.1 0.0 47.4

88 19.8 0.0 41.2





#35

Dibromofluoromethane

Concen: 54.299 ug/l

RT: 4.28 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

Instrument :
MSVOA_F
ClientSampled :

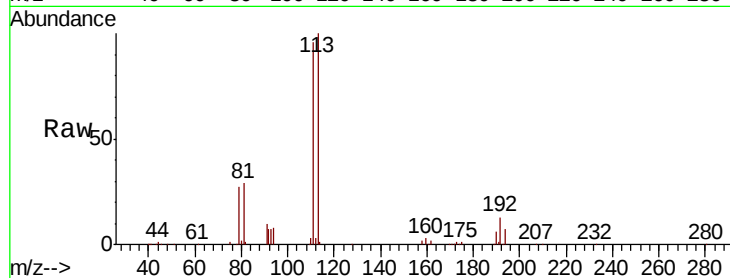
Tot Ion:113 Resp: 132093

Ion Ratio Lower Upper

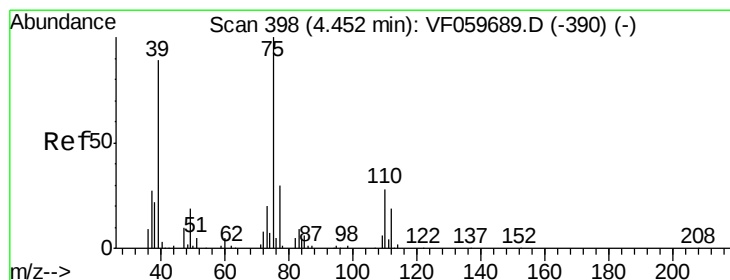
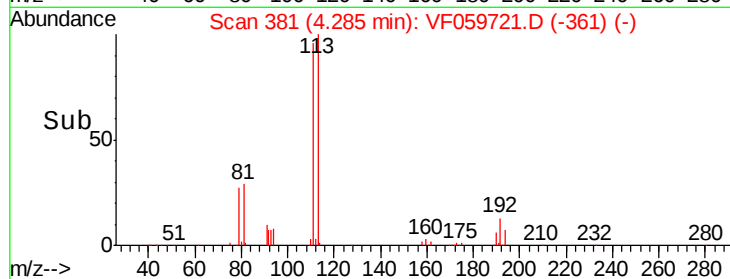
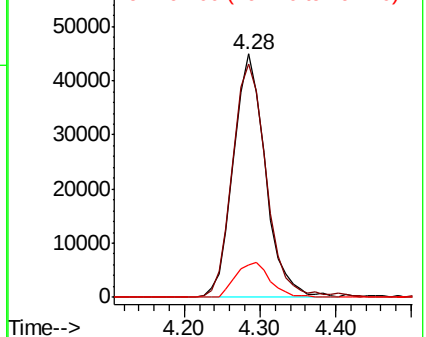
113 100

111 95.9 79.0 118.4

192 13.4 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: 4.41 min Scan# 394

Delta R.T. -0.04 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

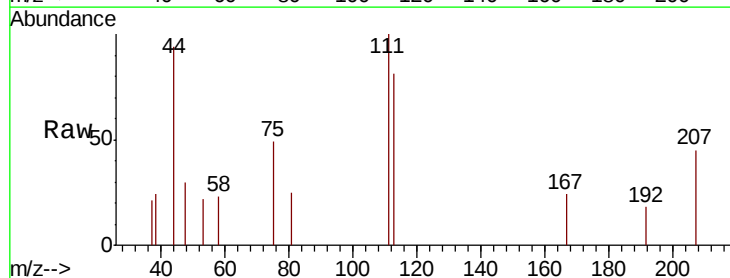
Tgt Ion: 75 Resp: 234

Ion Ratio Lower Upper

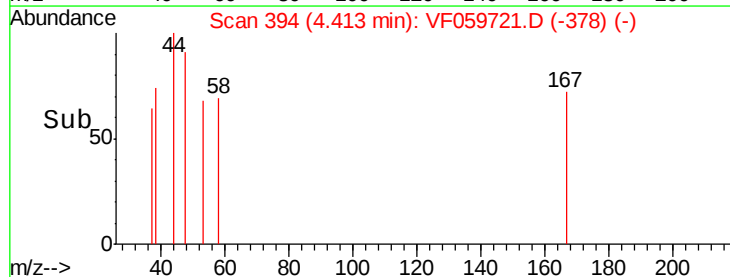
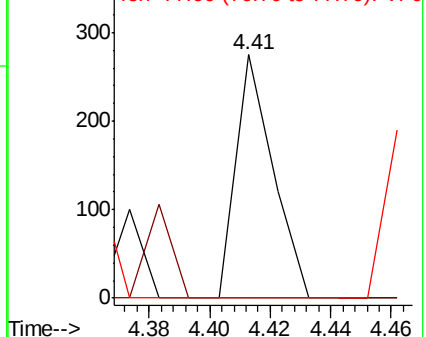
75 100

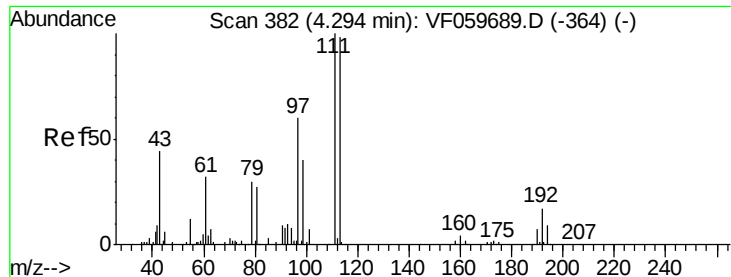
110 0.0 14.0 41.9#

77 0.0 24.2 36.2#



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

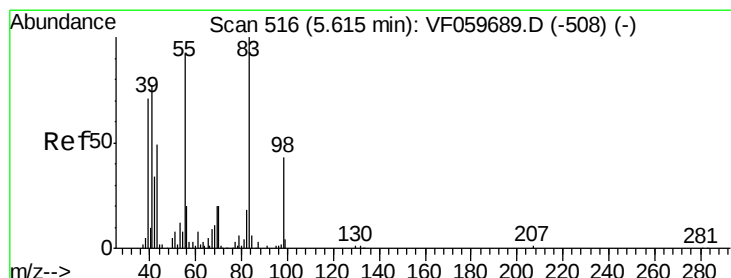
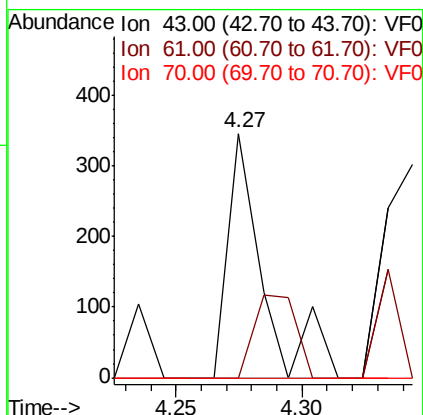
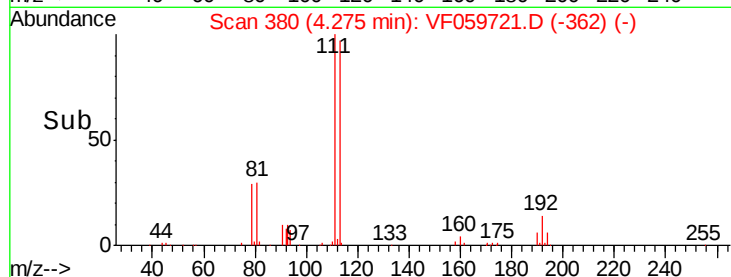
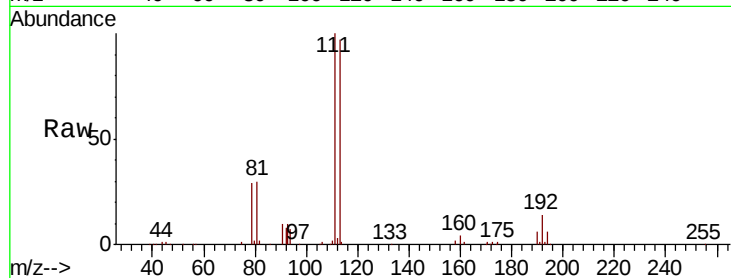




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.27 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF059721.D
Acq: 31 Jul 2018 20:44

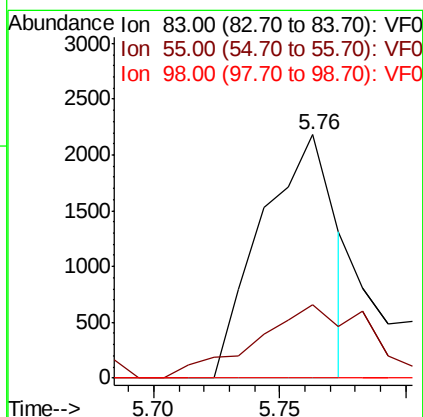
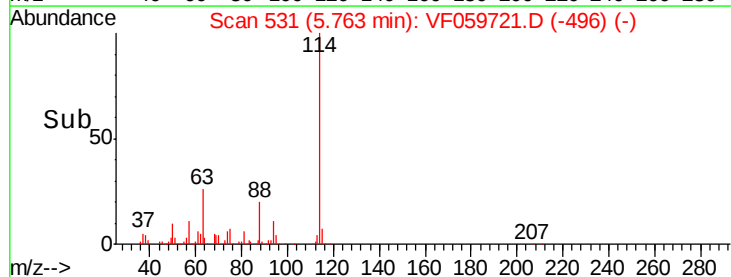
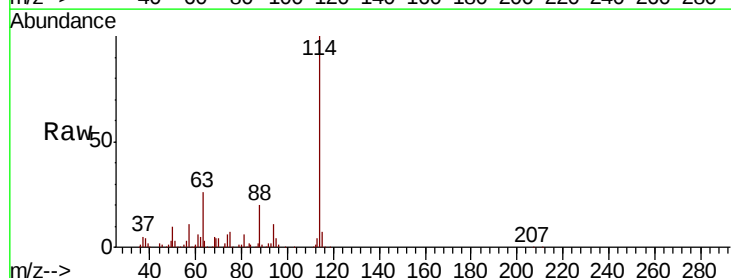
Instrument :
MSVOA_F
ClientSampleId :

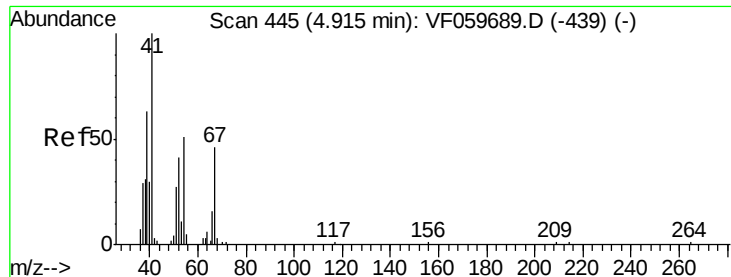
Tot Ion: 43 Resp: 336
Ion Ratio Lower Upper
43 100
61 0.0 58.2 87.2#
70 0.0 6.0 9.0#



#39
Methylcyclohexane
Concen: Below Cal
RT: 5.76 min Scan# 531
Delta R.T. 0.15 min
Lab File: VF059721.D
Acq: 31 Jul 2018 20:44

Tgt Ion: 83 Resp: 4452
Ion Ratio Lower Upper
83 100
55 30.1 73.4 110.2#
98 0.0 34.2 51.4#

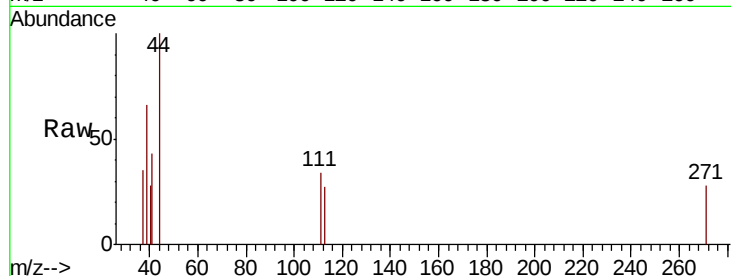




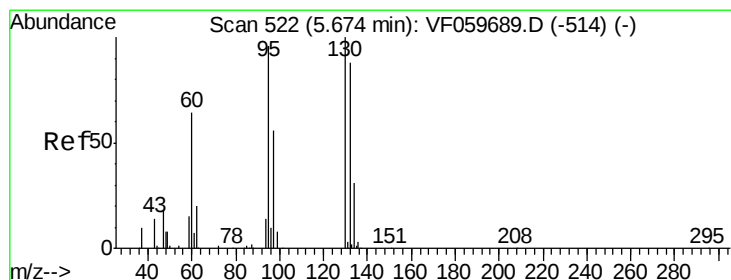
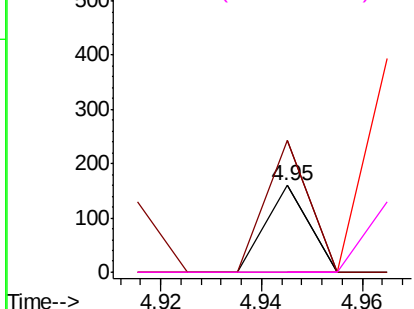
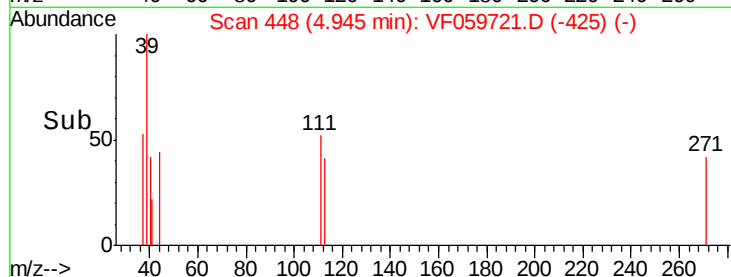
#41
Methacrylonitrile
Concen: Below Cal
RT: 4.95 min Scan# 448
Delta R.T. 0.03 min
Lab File: VF059721.D
Acq: 31 Jul 2018 20:44

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 41 Resp: 95
Ion Ratio Lower Upper
41 100
39 151.9 55.2 82.8#
67 0.0 36.2 54.2#
52 0.0 37.7 56.5#

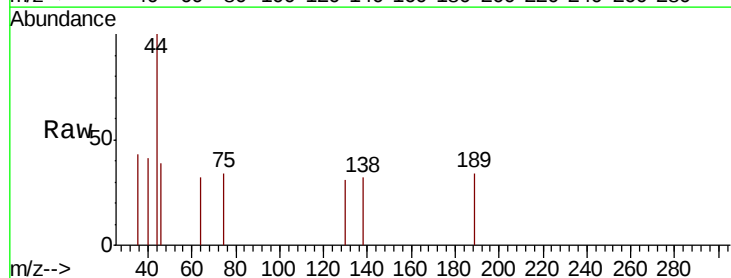


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

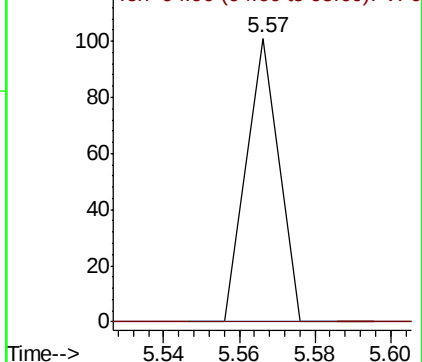
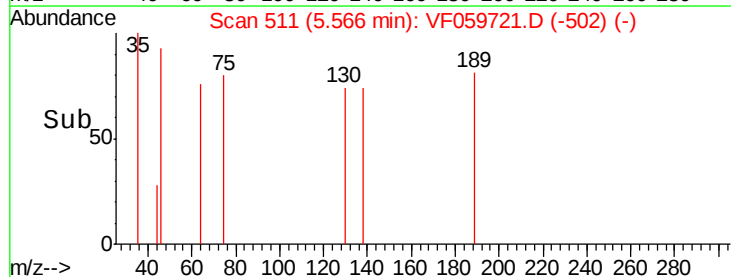


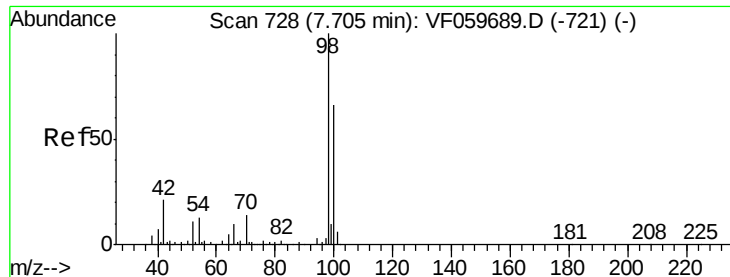
#44
Trichloroethene
Concen: Below Cal
RT: 5.57 min Scan# 511
Delta R.T. -0.11 min
Lab File: VF059721.D
Acq: 31 Jul 2018 20:44

Tgt Ion: 130 Resp: 60
Ion Ratio Lower Upper
130 100
95 0.0 0.0 191.0



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VF0





#50

Toluene-d8

Concen: 35.429 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

Instrument :

MSVOA_F

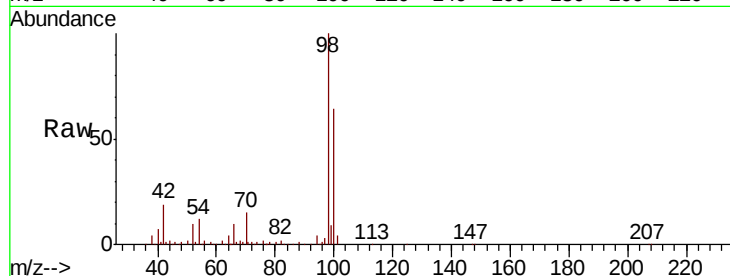
ClientSampleId :

Tot Ion: 98 Resp: 200987

Ion Ratio Lower Upper

98 100

100 64.0 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

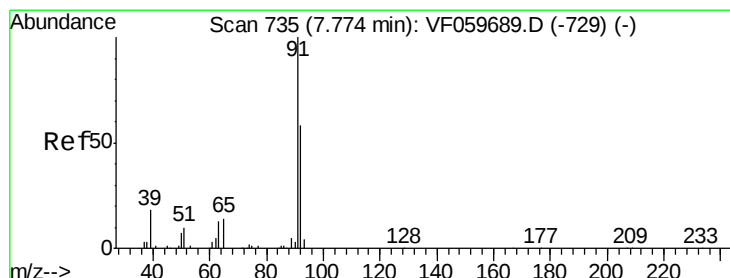
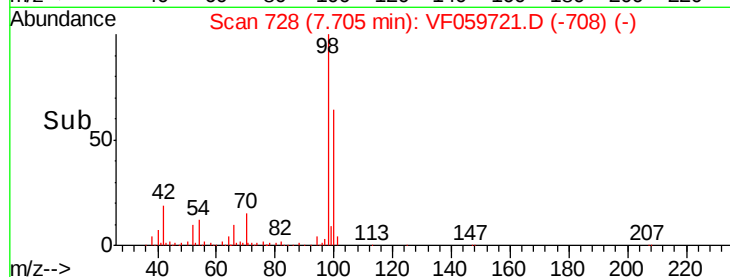
60000

40000

20000

0

Time-->



#52

Toluene

Concen: Below Cal

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059721.D

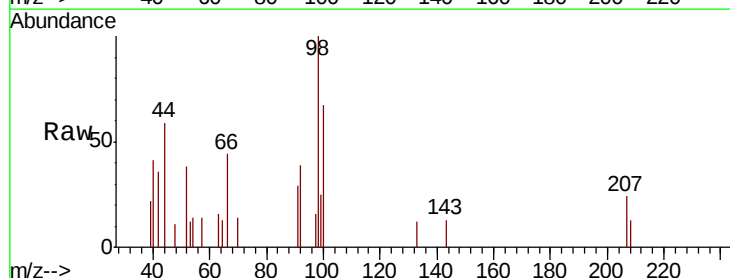
Acq: 31 Jul 2018 20:44

Tgt Ion: 92 Resp: 611

Ion Ratio Lower Upper

92 100

91 72.7 139.0 208.4#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

500

400

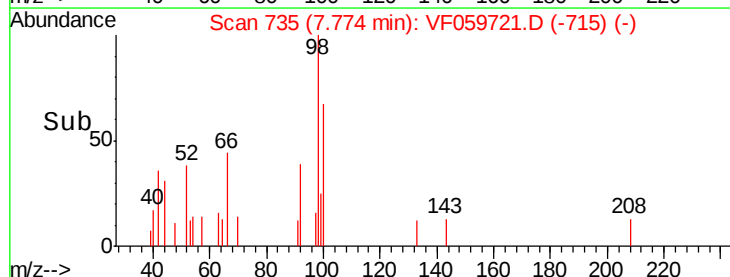
300

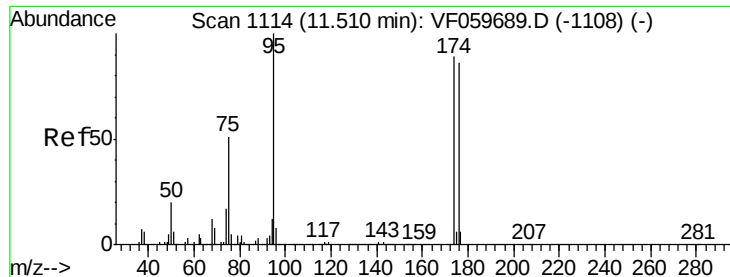
200

100

0

Time-->





#62

4-Bromofluorobenzene

Concen: 13.064 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

Instrument :

MSVOA_F

ClientSampleId :

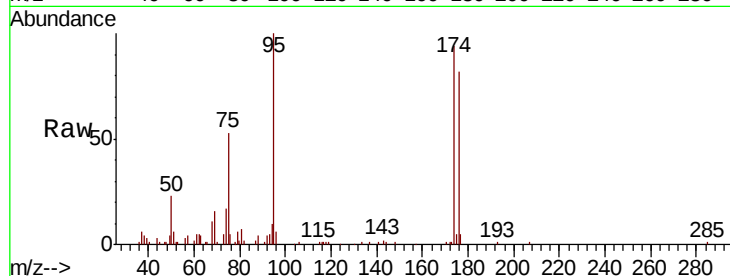
Tot Ion: 95 Resp: 41028

Ion Ratio Lower Upper

95 100

174 94.4 0.0 178.4

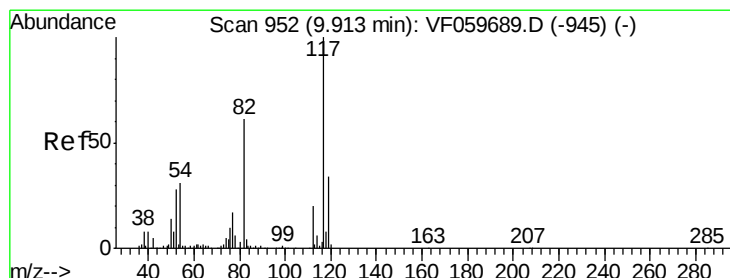
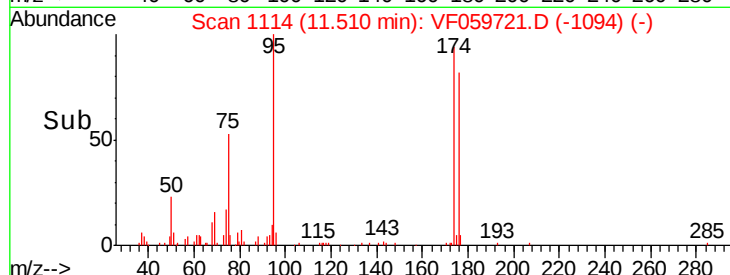
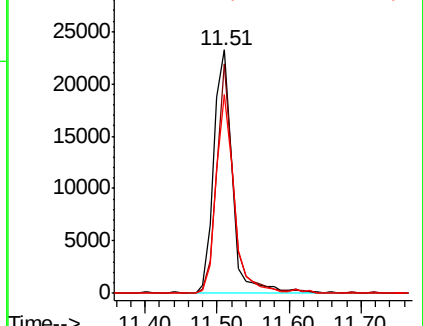
176 81.6 0.0 173.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

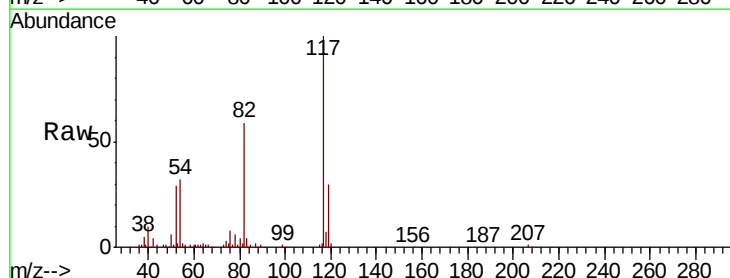
Tgt Ion: 117 Resp: 152301

Ion Ratio Lower Upper

117 100

82 58.7 49.0 73.4

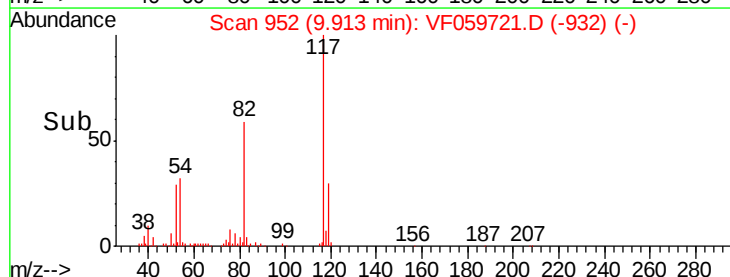
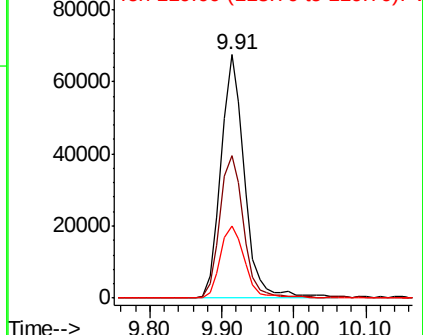
119 29.8 27.3 40.9

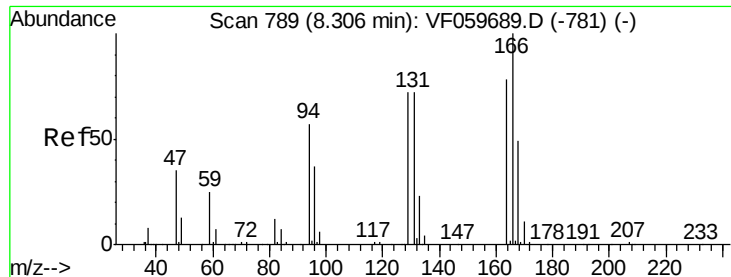


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

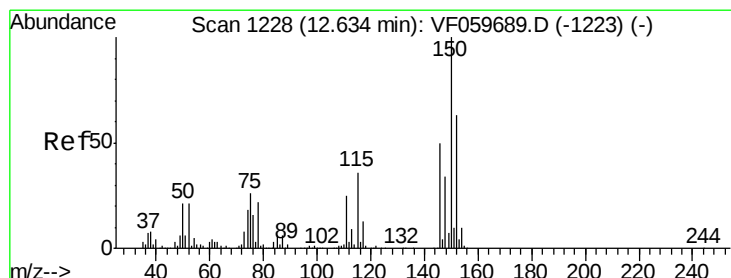
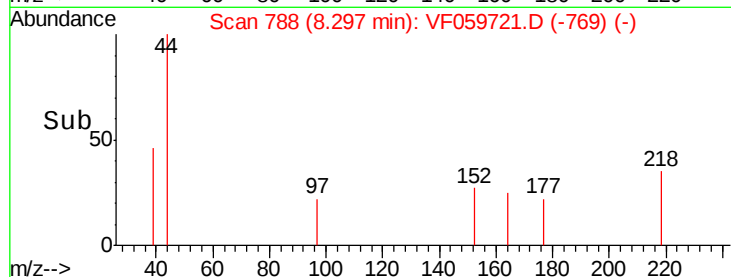
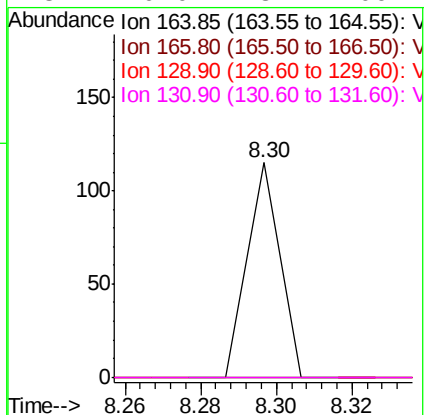
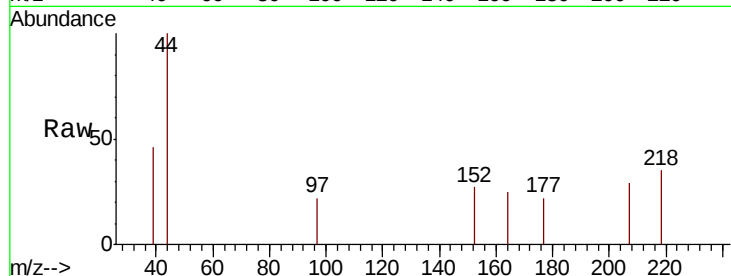




#64
Tetrachloroethene
Concen: Below Cal
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059721.D
Acq: 31 Jul 2018 20:44

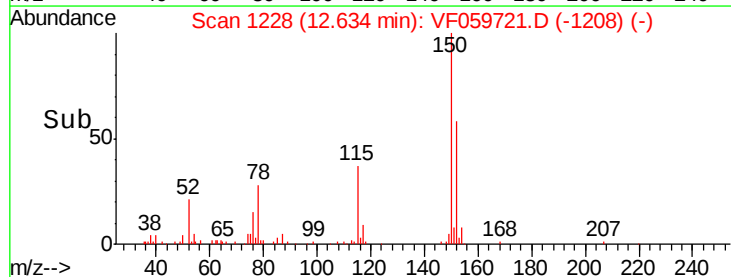
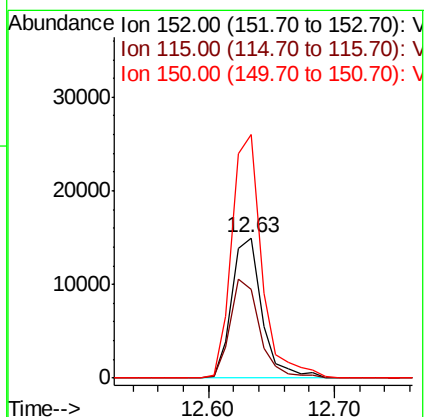
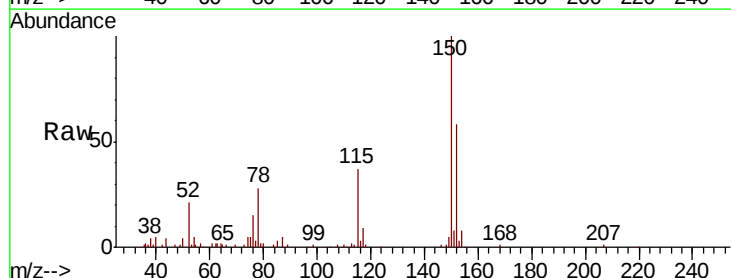
Instrument :
MSVOA_F
ClientSampleId :

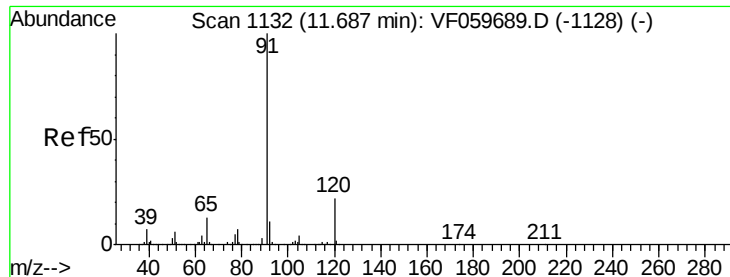
Tot Ion:164 Resp: 68
Ion Ratio Lower Upper
164 100
166 0.0 102.1 153.1#
129 0.0 73.8 110.6#
131 0.0 73.1 109.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059721.D
Acq: 31 Jul 2018 20:44

Tgt Ion:152 Resp: 24857
Ion Ratio Lower Upper
152 100
115 63.7 28.2 84.6
150 173.6 0.0 316.2





#78

n-propylbenzene

Concen: Below Cal

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

Instrument :

MSVOA_F

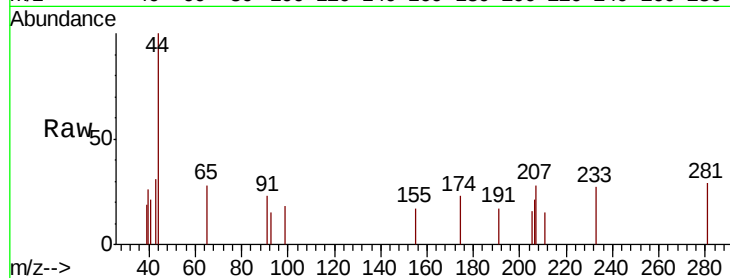
ClientSampled :

Tot Ion: 91 Resp: 303

Ion Ratio Lower Upper

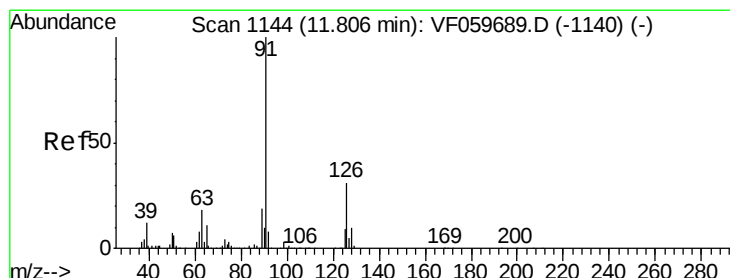
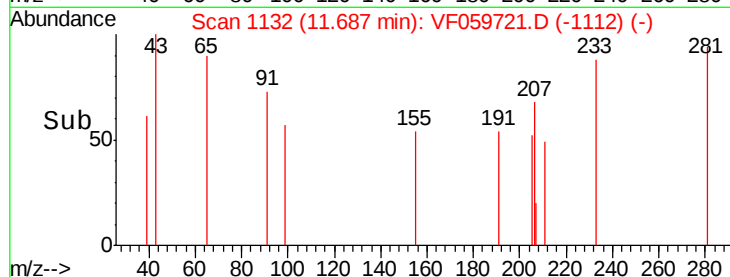
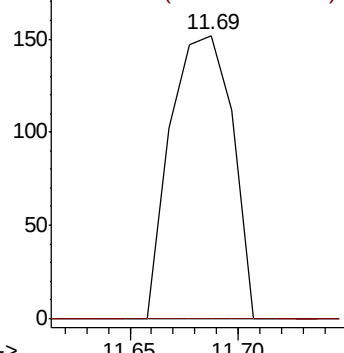
91 100

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: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059721.D

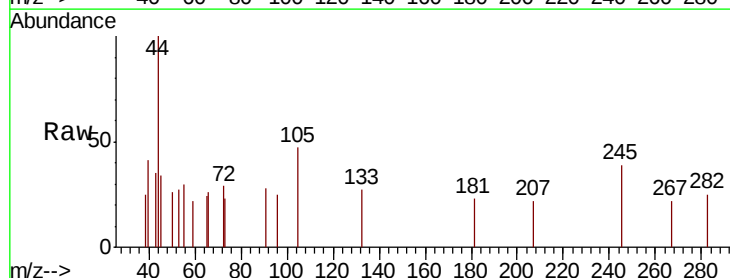
Acq: 31 Jul 2018 20:44

Tgt Ion: 91 Resp: 147

Ion Ratio Lower Upper

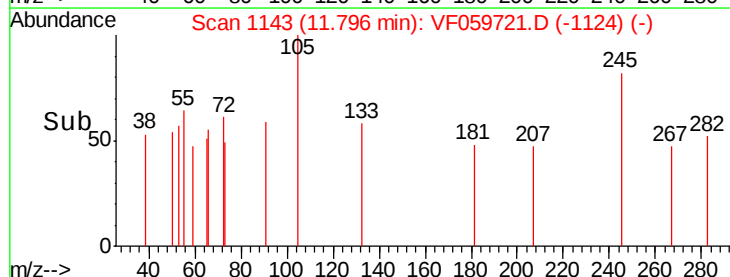
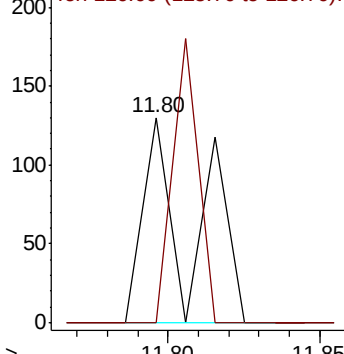
91 100

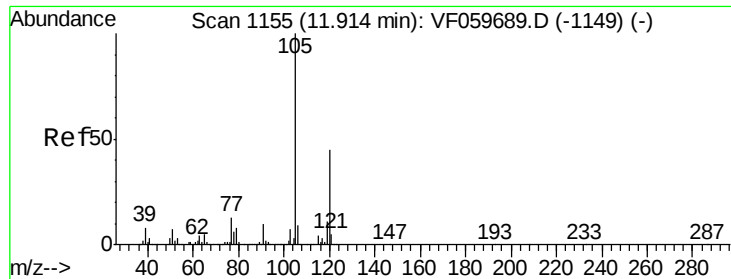
126 0.0 15.4 46.2#



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: 11.90 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

Instrument :

MSVOA_F

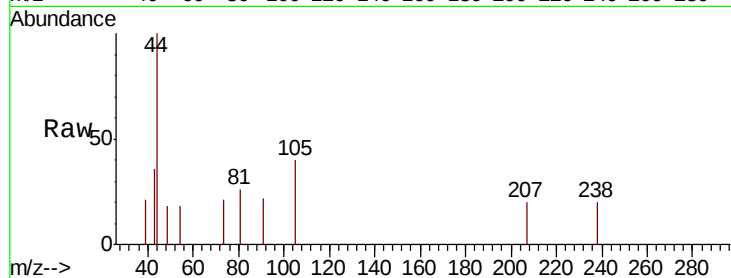
ClientSampled :

Tot Ion:105 Resp: 319

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

11.90

250

200

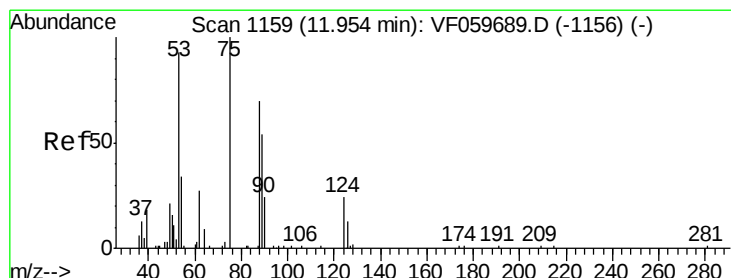
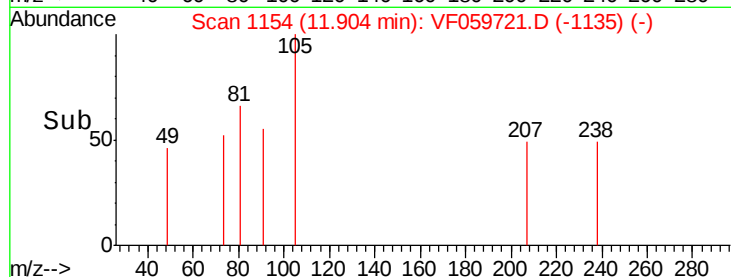
150

100

50

0

Time--> 11.85 11.90 11.95



#81

trans-1,4-Dichloro-2-butene

Concen: 1.424 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. -0.07 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

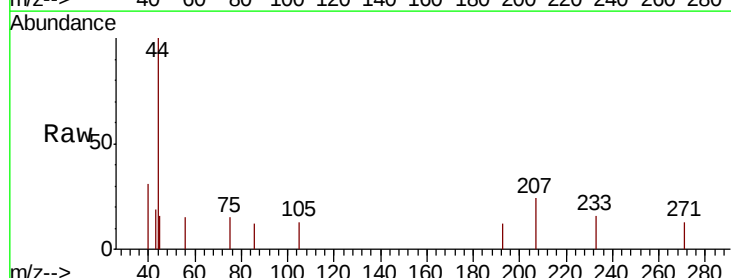
Tgt Ion: 75 Resp: 154

Ion Ratio Lower Upper

75 100

53 0.0 78.3 117.5#

89 0.0 45.4 68.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0

11.88

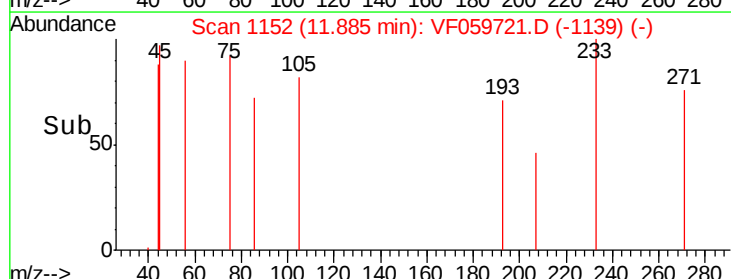
150

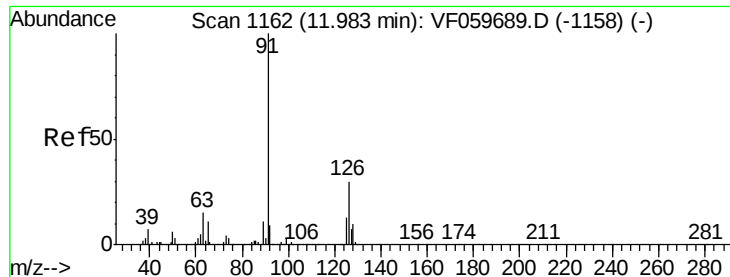
100

50

0

Time--> 11.85 11.90





#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

Instrument :

MSVOA_F

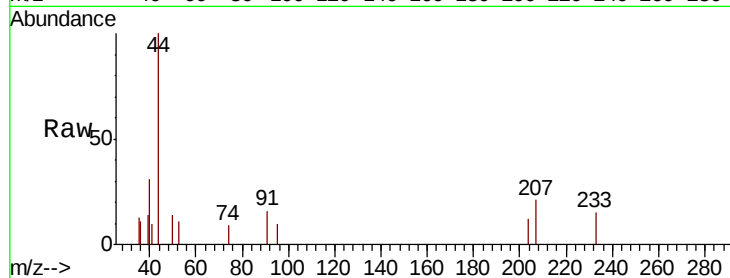
ClientSampleId :

Tot Ion: 91 Resp: 104

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

11.98

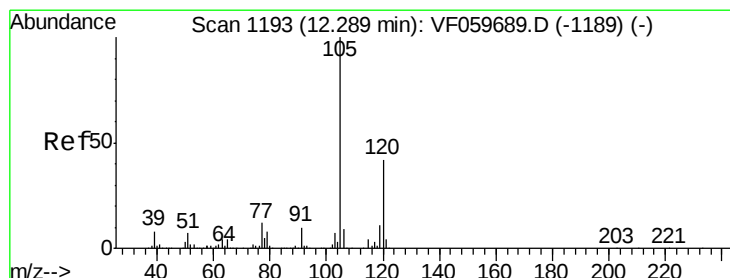
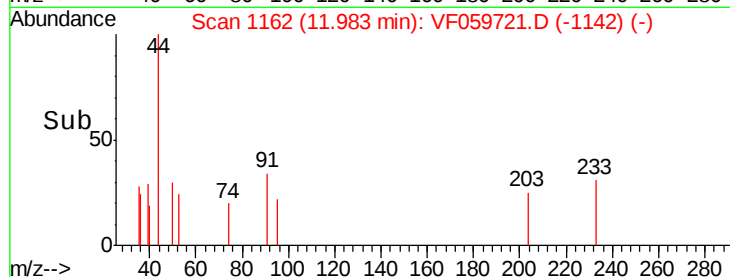
150

100

50

0

Time-->



#84

1,2,4-Trimethylbenzene

Concen: Below Cal

RT: 12.28 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF059721.D

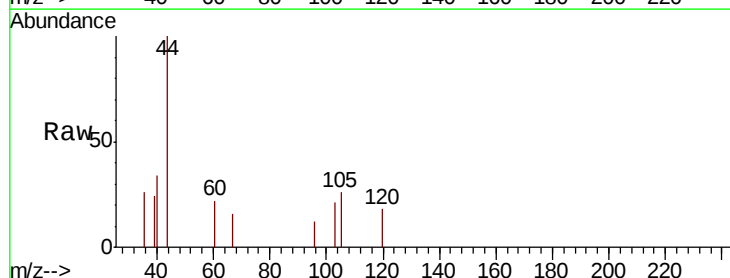
Acq: 31 Jul 2018 20:44

Tgt Ion: 105 Resp: 216

Ion Ratio Lower Upper

105 100

120 68.9 21.1 63.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.28

300

250

200

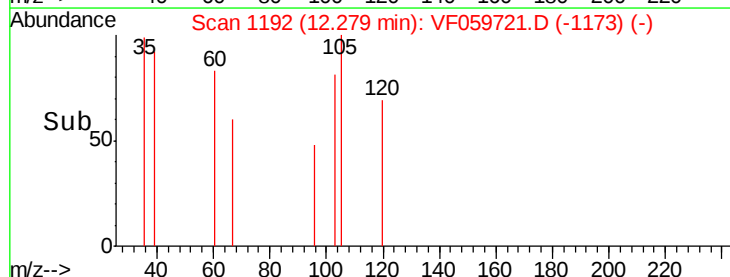
150

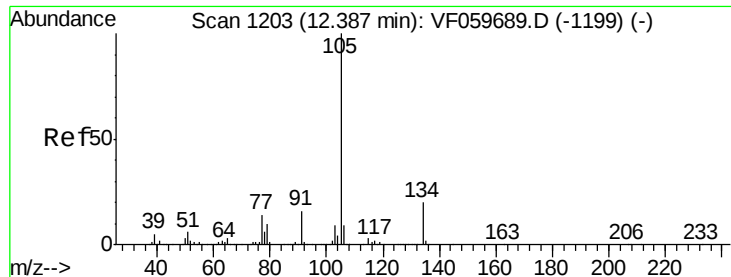
100

50

0

Time-->





#85

sec-Butylbenzene

Concen: Below Cal

RT: 12.28 min Scan# 1192

Delta R.T. -0.11 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

Instrument :

MSVOA_F

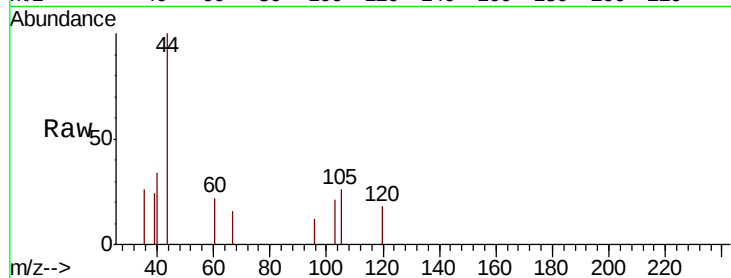
ClientSampled :

Tot Ion:105 Resp: 216

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

12.28

200

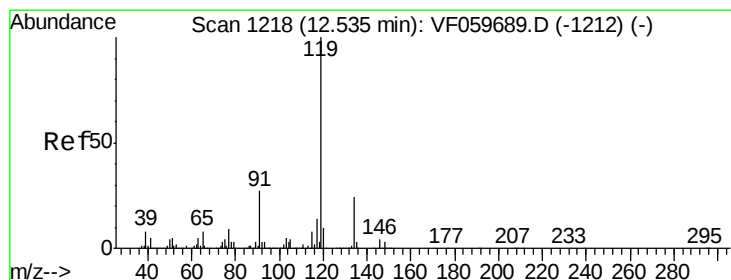
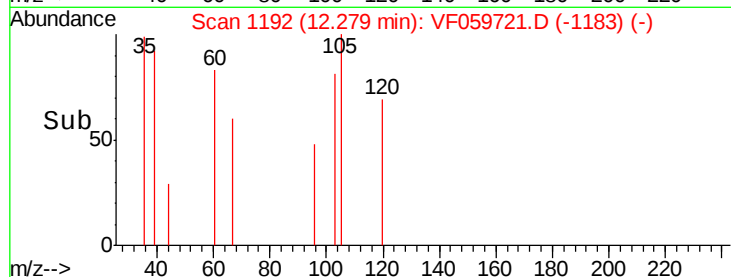
150

100

50

0

Time--> 12.25 12.30



#86

p-Isopropyltoluene

Concen: Below Cal

RT: 12.56 min Scan# 1221

Delta R.T. 0.03 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

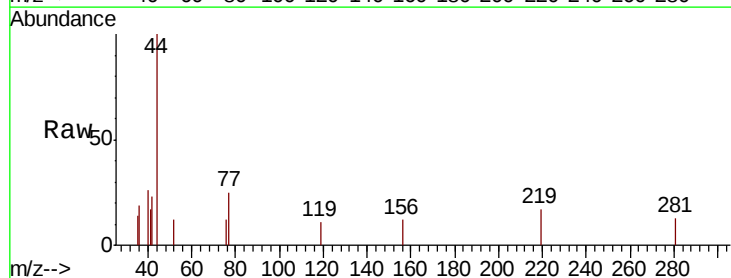
Tgt Ion:119 Resp: 65

Ion Ratio Lower Upper

119 100

134 0.0 12.2 36.6#

91 0.0 13.4 40.2#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

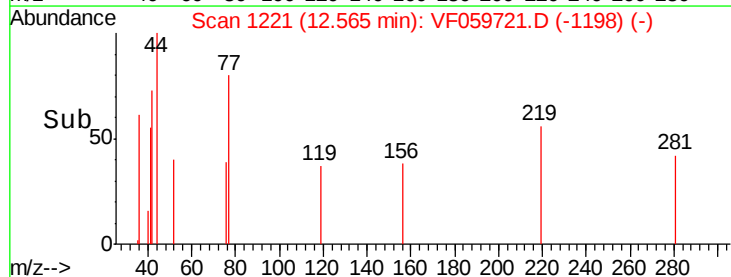
12.56

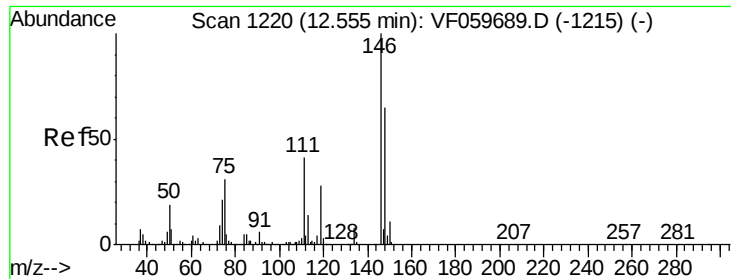
100

50

0

Time--> 12.54 12.58





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.55 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VF059721.D

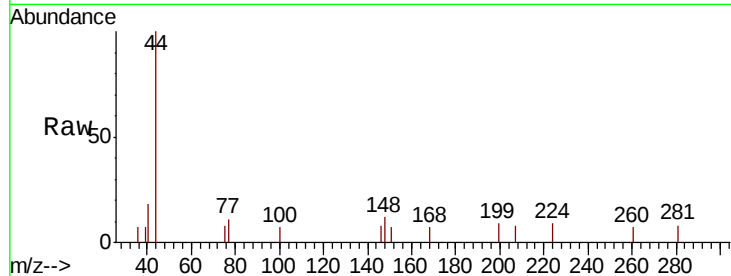
Acq: 31 Jul 2018 20:44

Instrument :

MSVOA_F

ClientSampleId :

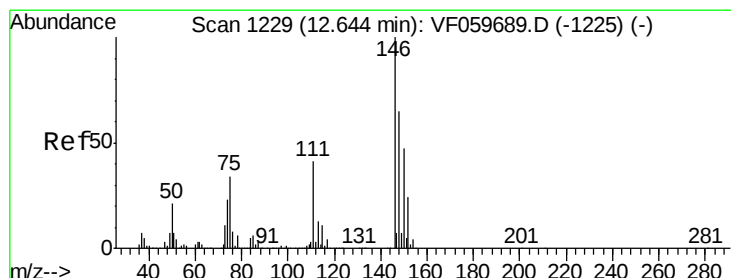
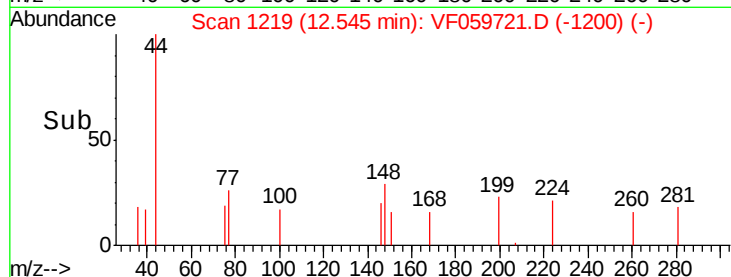
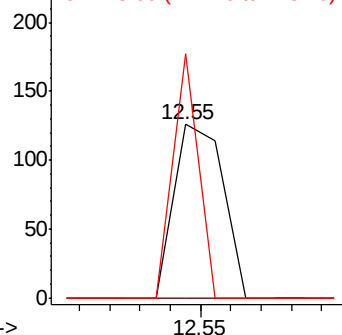
Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.7	62.1#
148	140.5	32.3	96.8#



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

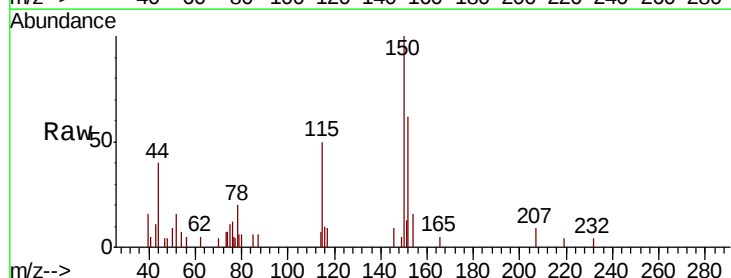
RT: 12.65 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

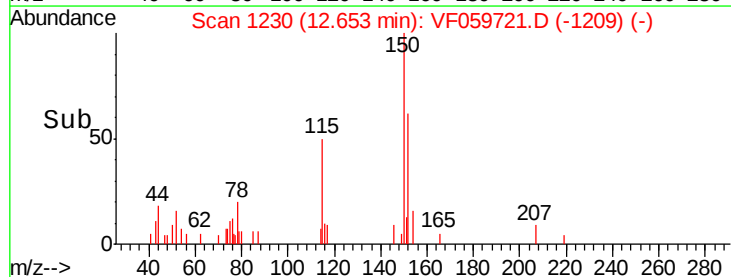
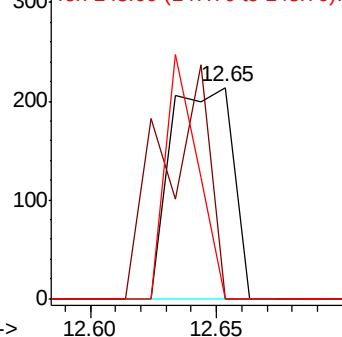
Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.8	62.2#
148	0.0	32.3	96.9#

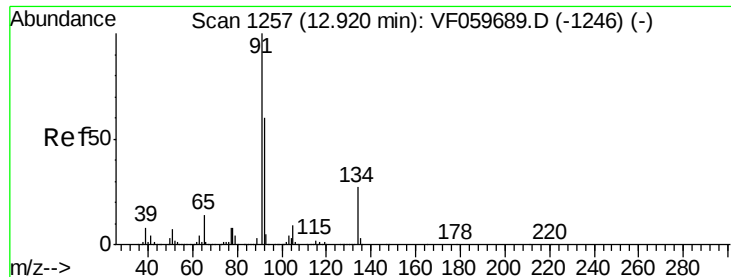


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

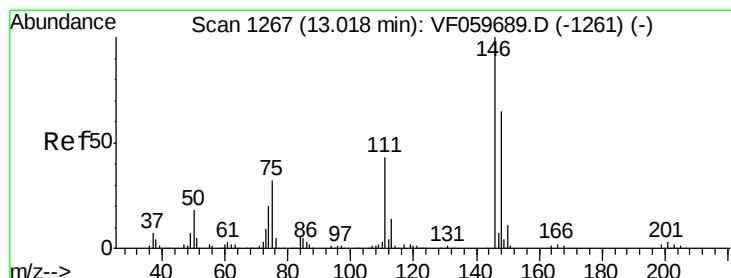
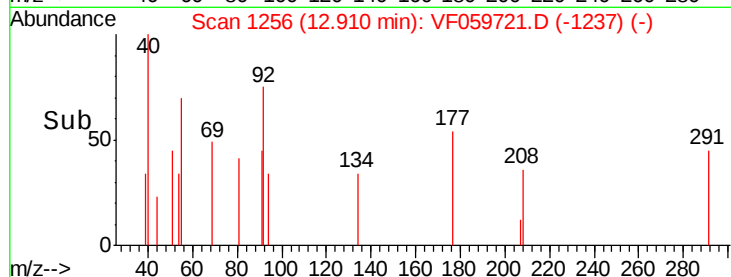
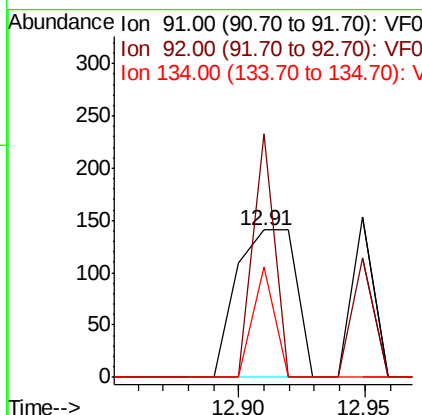
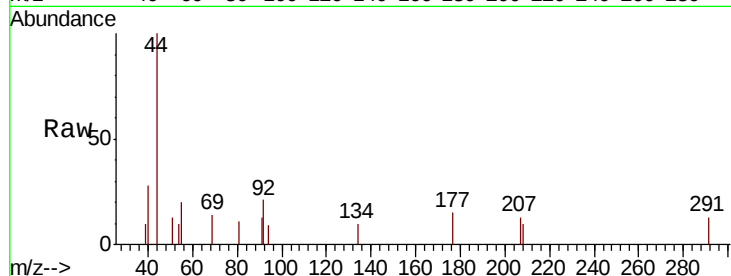




#89
n-Butylbenzene
Concen: Below Cal
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059721.D
Acq: 31 Jul 2018 20:44

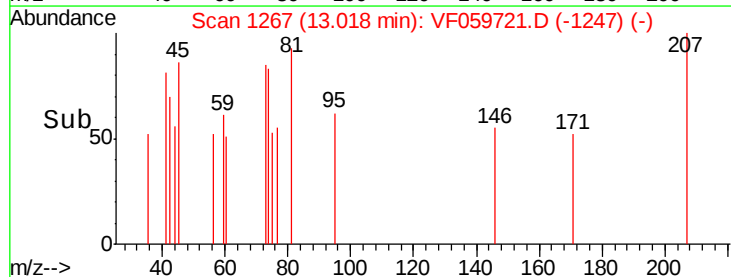
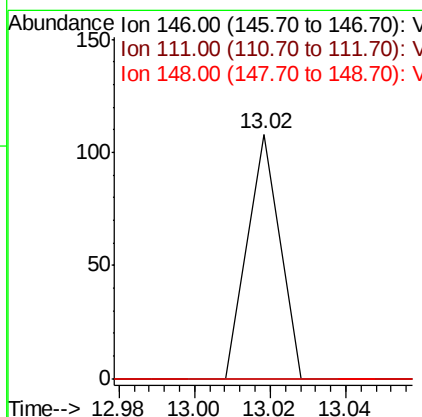
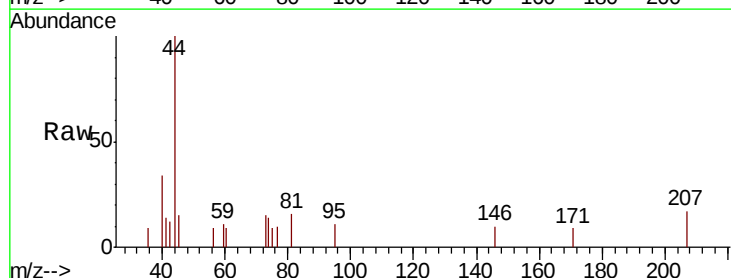
Instrument :
MSVOA_F
ClientSampled :

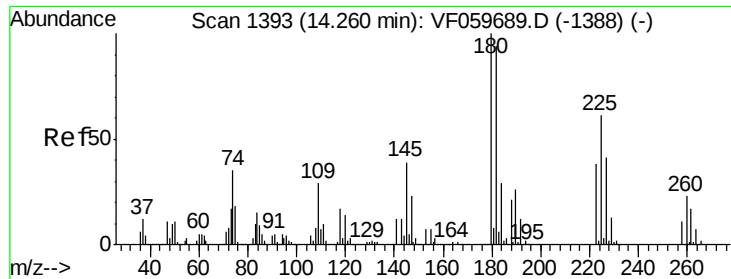
Tot Ion: 91 Resp: 231
Ion Ratio Lower Upper
91 100
92 165.2 30.1 90.3#
134 75.2 13.7 41.0#



#91
1,2-Dichlorobenzene
Concen: Below Cal
RT: 13.02 min Scan# 1267
Delta R.T. 0.00 min
Lab File: VF059721.D
Acq: 31 Jul 2018 20:44

Tgt Ion: 146 Resp: 64
Ion Ratio Lower Upper
146 100
111 0.0 21.6 65.0#
148 0.0 32.3 96.9#





#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059721.D
 Acq: 31 Jul 2018 20:44

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	83.3	47.2	141.6
145	48.7	19.3	57.9

