

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059733.D
 Acq On : 1 Aug 2018 4:07
 Operator : VA/AP
 Sample : J3823-03
 Misc : 7.18g/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 01 07:38:26 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	150588	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.76	114	217719	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	155516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	93872	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	149135	55.11	ug/l	0.00
Spiked Amount			Recovery	=	110.22%	
35) Dibromofluoromethane	4.30	113	131065	57.96	ug/l	0.01
Spiked Amount			Recovery	=	115.92%	
50) Toluene-d8	7.71	98	165813	31.44	ug/l	0.00
Spiked Amount			Recovery	=	62.88%	
62) 4-Bromofluorobenzene	11.51	95	101083	34.63	ug/l	0.00
Spiked Amount			Recovery	=	69.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.06	85	68	Below Cal	#	44
3) Chloromethane	1.11	50	829	Below Cal	#	38
4) Vinyl Chloride	1.14	62	63	Below Cal	#	47
5) Bromomethane	1.36	94	424	Below Cal	#	4
6) Chloroethane	1.34	64	183	Below Cal		95
10) Methyl Iodide	1.84	142	60	Below Cal	#	1
13) Acrolein	2.09	56	247	20.108	ug/l #	38
15) Acrylonitrile	3.05	53	279	1.658	ug/l #	54
16) Acetone	2.34	43	1432	2.942	ug/l #	56
17) Carbon Disulfide	1.86	76	174	Below Cal	#	71
18) Methyl Acetate	2.45	43	612	Below Cal	#	64
20) Methylene Chloride	2.28	84	2785	Below Cal	#	89
21) trans-1,2-Dichloroethene	2.48	96	185	Below Cal	#	54
28) Bromochloromethane	3.87	49	66	Below Cal	#	15
31) Cyclohexane	3.98	56	75	Below Cal	#	15
36) 1,1-Dichloropropene	4.47	75	274	Below Cal	#	46
37) Ethyl Acetate	4.31	43	106	Below Cal	#	19
39) Methylcyclohexane	5.76	83	3576	Below Cal	#	34
41) Methacrylonitrile	4.93	41	79	Below Cal	#	24
44) Trichloroethene	5.74	130	66	Below Cal	#	1
49) 1,4-Dioxane	6.91	88	85	Below Cal	#	31
52) Toluene	7.77	92	563	Below Cal	#	12
59) 2-Hexanone	9.62	43	1613	2.033	ug/l	65
68) m/p-Xylenes	10.27	106	69	Below Cal	#	58
78) n-propylbenzene	11.69	91	409	Below Cal	#	54
79) 2-Chlorotoluene	11.81	91	403	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	11.91	105	338	Below Cal	#	31
81) trans-1,4-Dichloro-2-buten	11.99	75	426	1.043	ug/l #	9
82) 4-Chlorotoluene	11.99	91	509	Below Cal		93
84) 1,2,4-Trimethylbenzene	12.29	105	449	Below Cal	#	56
85) sec-Butylbenzene	12.38	105	552	Below Cal	#	57
86) p-Isopropyltoluene	12.55	119	464	Below Cal	#	36
87) 1,3-Dichlorobenzene	12.57	146	425	Below Cal	#	20
88) 1,4-Dichlorobenzene	12.64	146	503	Below Cal	#	1

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ClientSampleId :

Quant Time: Aug 01 07:38:26 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

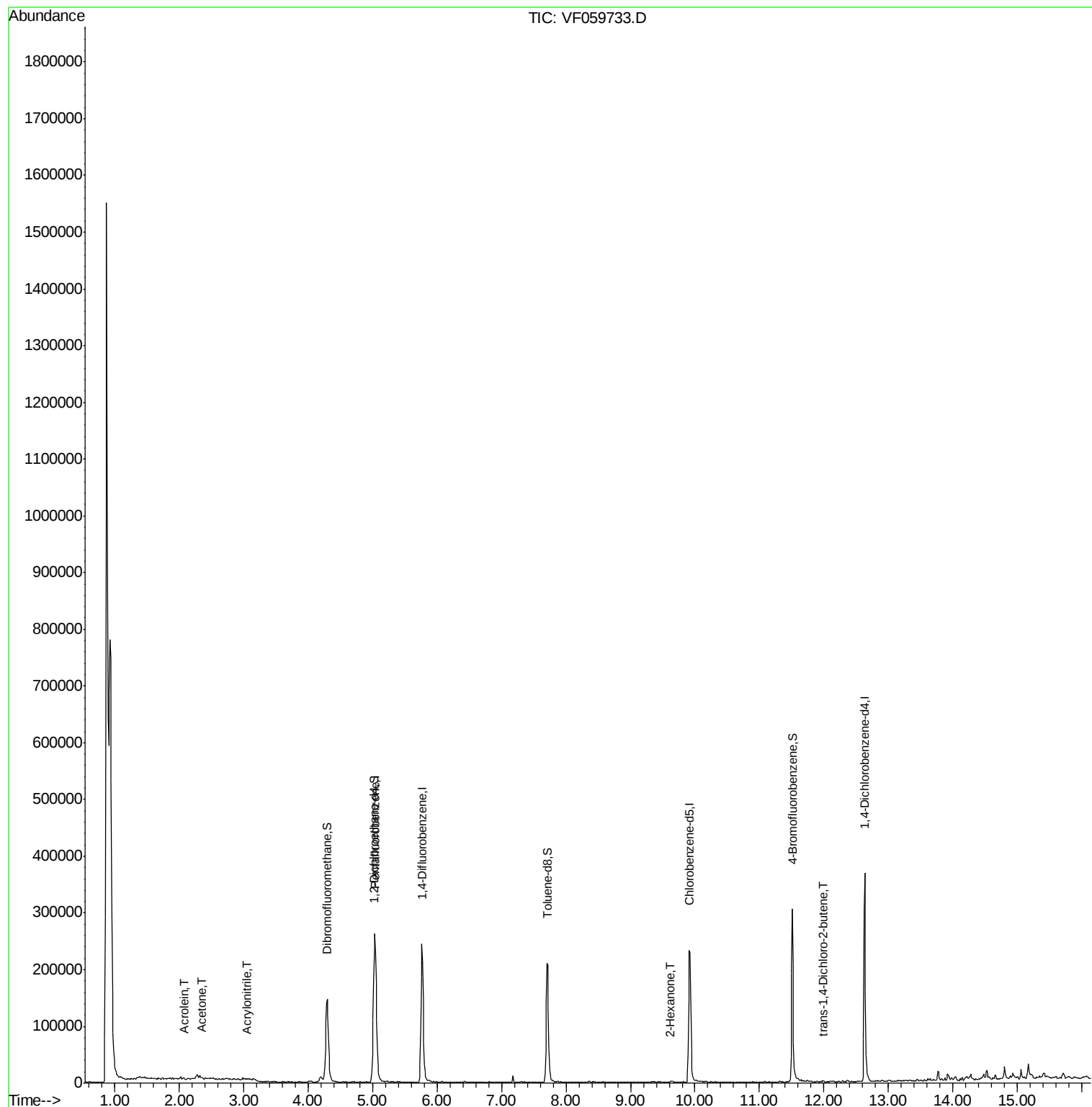
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	12.91	91	739	Below Cal	#	77
91) 1,2-Dichlorobenzene	13.02	146	335	Below Cal		83
93) 1,2,4-Trichlorobenzene	14.26	180	712	Below Cal		84

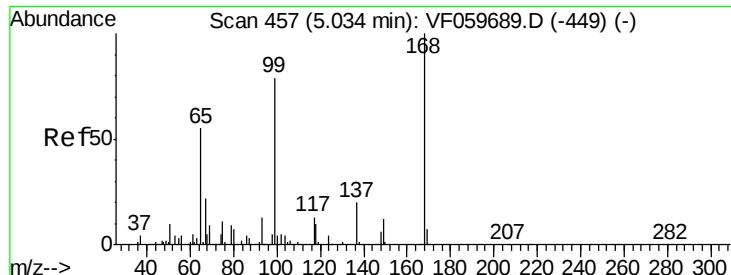
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059733.D

Acq: 1 Aug 2018 4:07

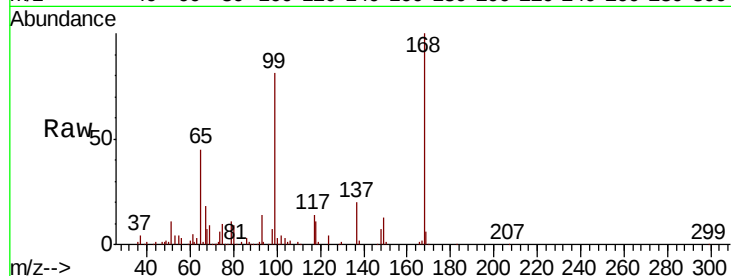
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 150588

Ion Ratio Lower Upper

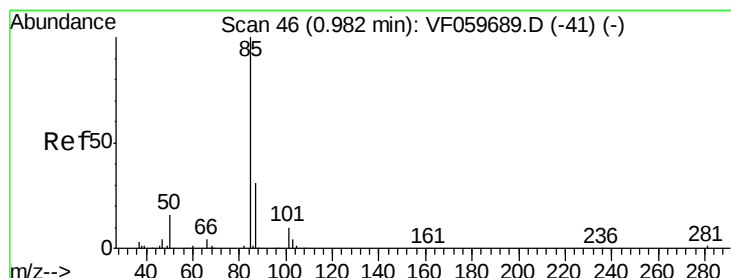
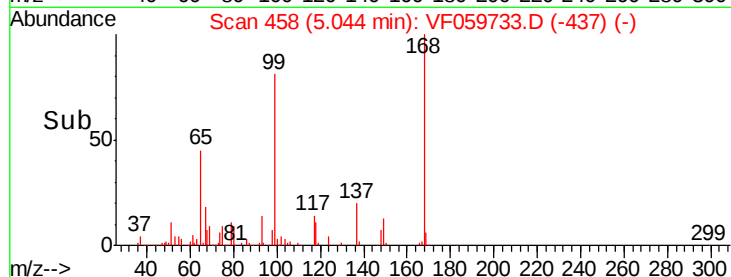
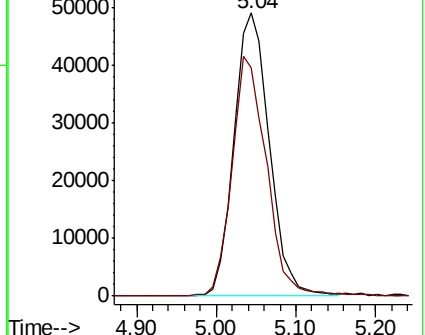
168 100

99 80.6 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.06 min Scan# 54

Delta R.T. 0.08 min

Lab File: VF059733.D

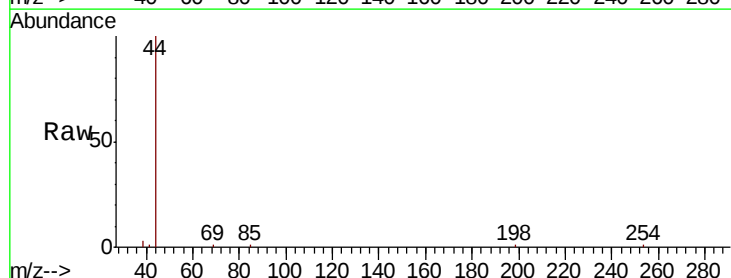
Acq: 1 Aug 2018 4:07

Tgt Ion: 85 Resp: 68

Ion Ratio Lower Upper

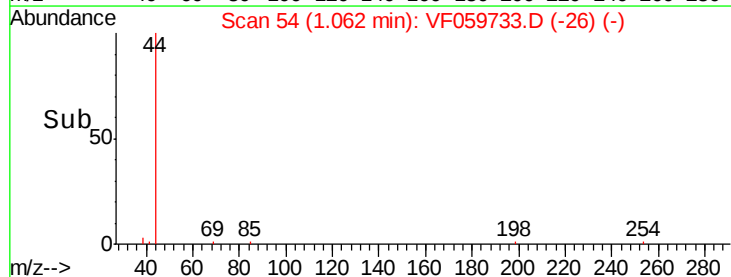
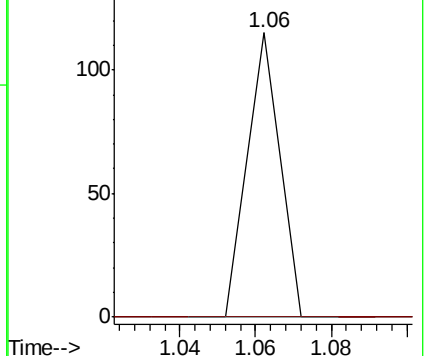
85 100

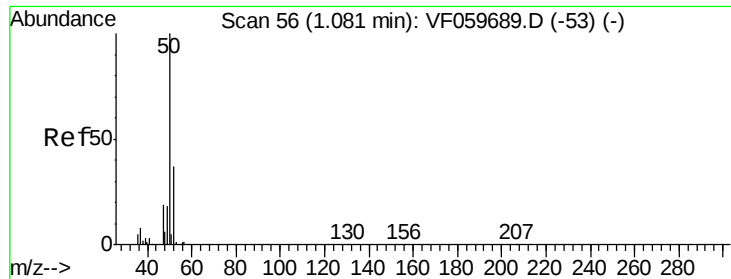
87 0.0 15.3 45.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: Below Cal

RT: 1.11 min Scan# 59

Delta R.T. 0.03 min

Lab File: VF059733.D

Acq: 1 Aug 2018 4:07

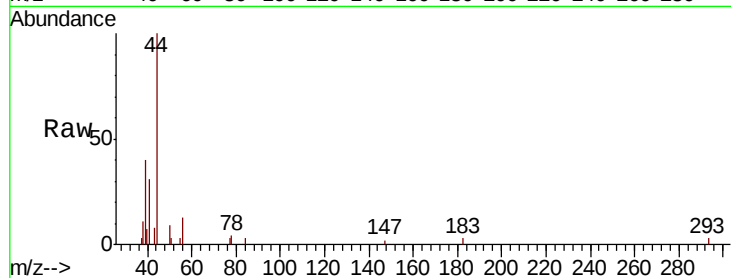
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 829

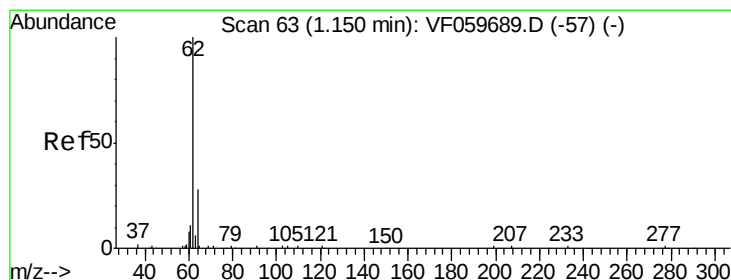
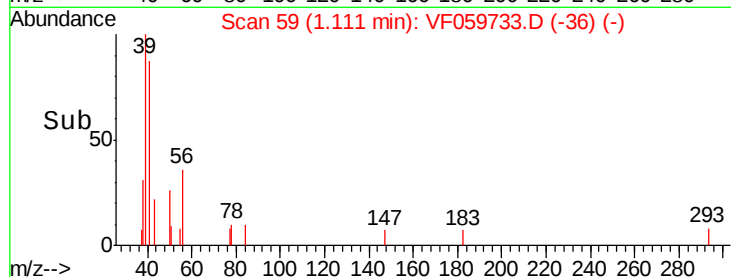
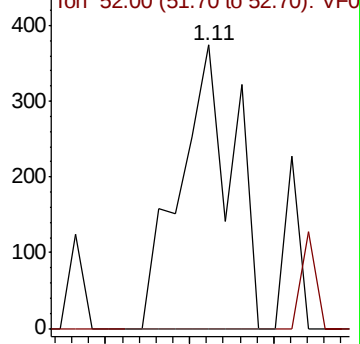
Ion Ratio Lower Upper

50 100

52 0.0 29.1 43.7#



Abundance Ion 50.00 (49.70 to 50.70): VF0



#4

Vinyl Chloride

Concen: Below Cal

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059733.D

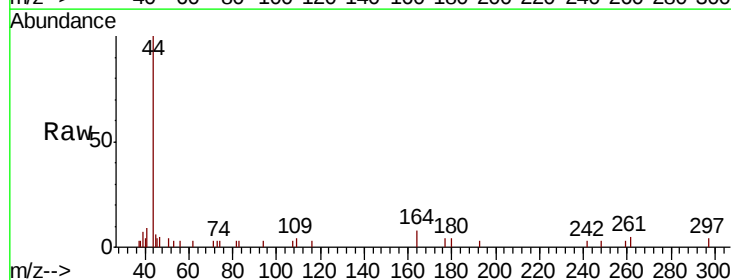
Acq: 1 Aug 2018 4:07

Tgt Ion: 62 Resp: 63

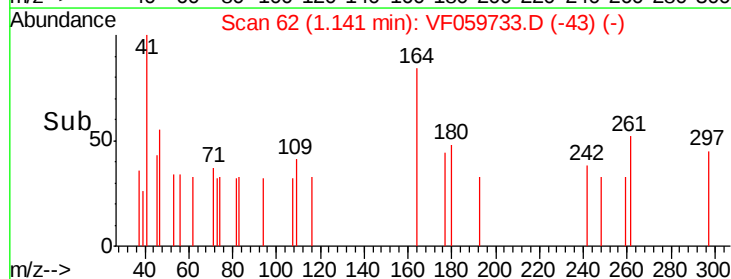
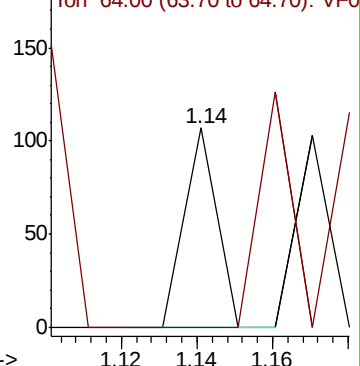
Ion Ratio Lower Upper

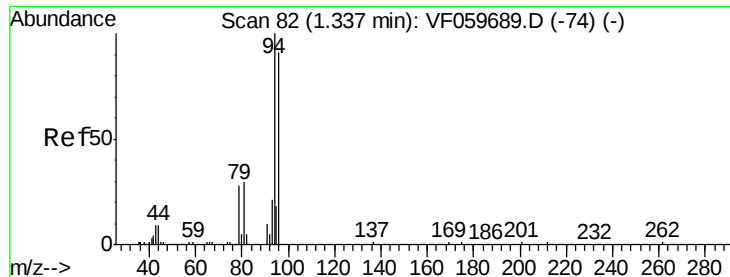
62 100

64 0.0 22.6 33.8#



Abundance Ion 62.00 (61.70 to 62.70): VF0





#5

Bromomethane

Concen: Below Cal

RT: 1.36 min Scan# 84

Delta R.T. 0.02 min

Lab File: VF059733.D

Acq: 1 Aug 2018 4:07

Instrument :

MSVOA_F

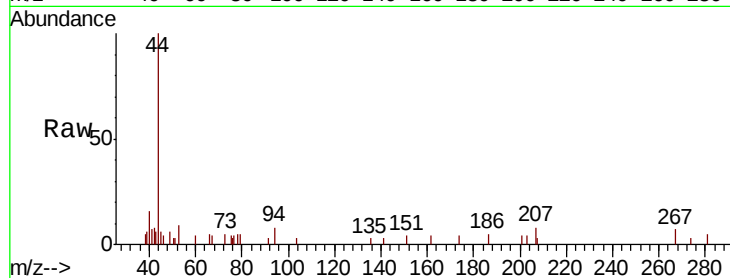
ClientSampled :

Tot Ion: 94 Resp: 424

Ion Ratio Lower Upper

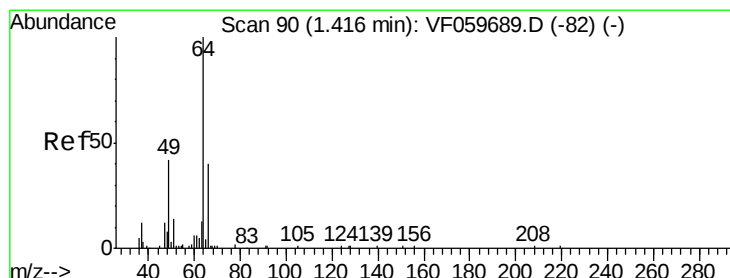
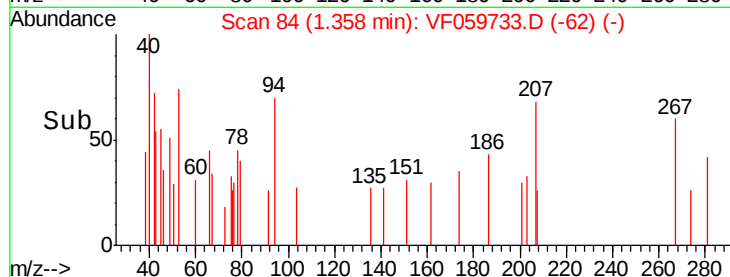
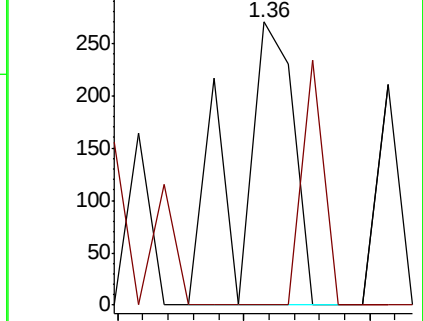
94 100

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: 1.34 min Scan# 82

Delta R.T. -0.08 min

Lab File: VF059733.D

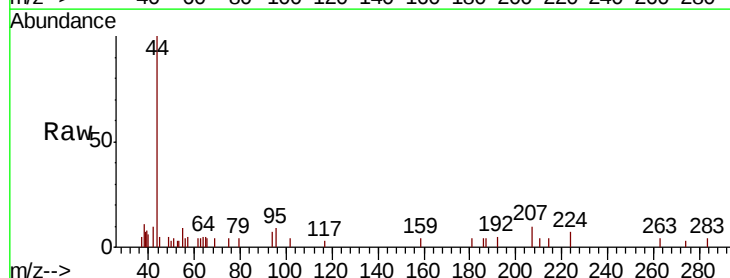
Acq: 1 Aug 2018 4:07

Tgt Ion: 64 Resp: 183

Ion Ratio Lower Upper

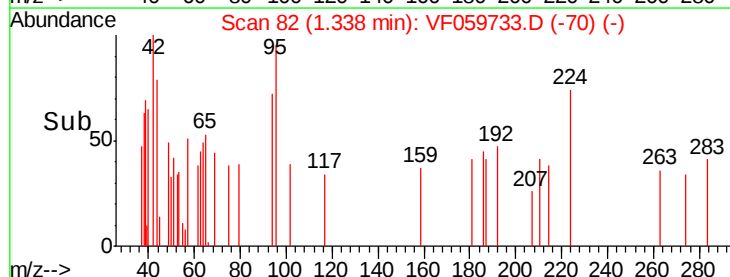
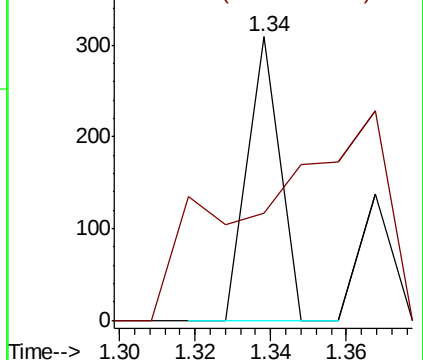
64 100

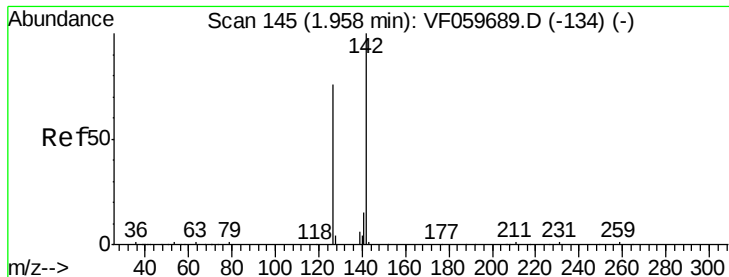
66 37.9 32.6 49.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

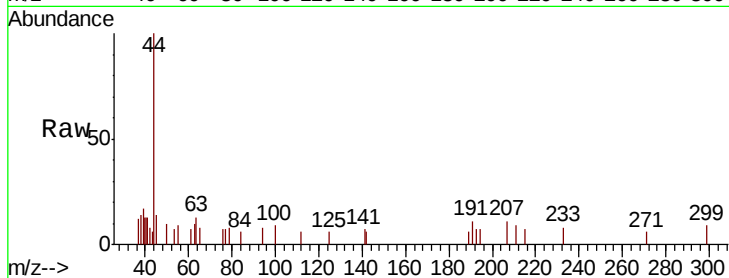




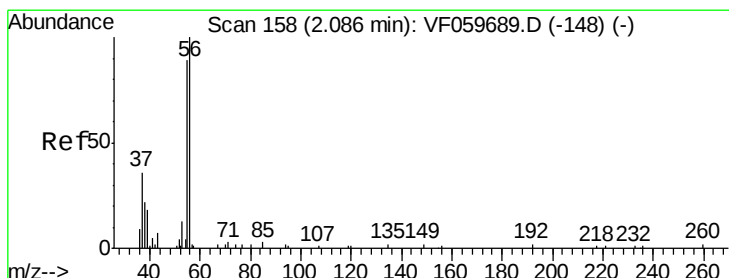
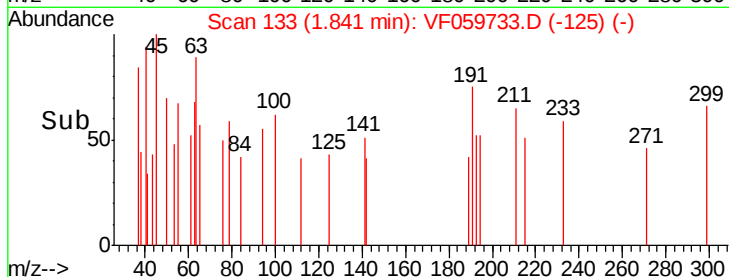
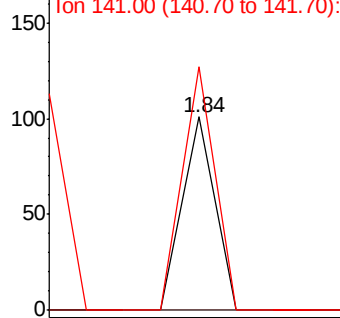
#10
Methyl Iodide
Concen: Below Cal
RT: 1.84 min Scan# 133
Delta R.T. -0.12 min
Lab File: VF059733.D
Acq: 1 Aug 2018 4:07

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:142 Resp: 60
Ion Ratio Lower Upper
142 100
127 0.0 60.6 91.0#
141 125.7 12.0 18.0#

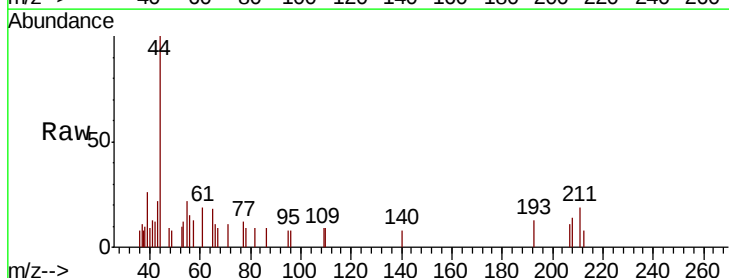


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

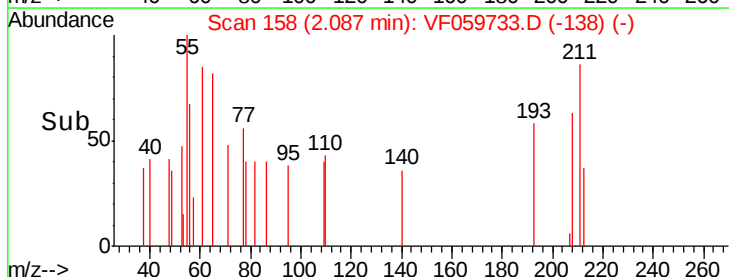
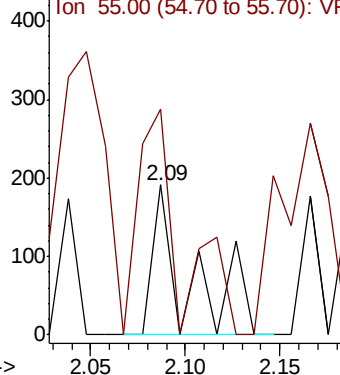


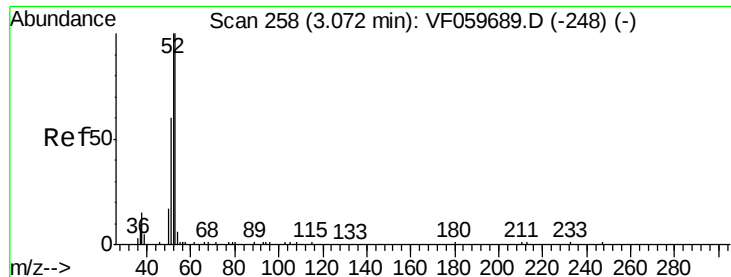
#13
Acrolein
Concen: 20.108 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF059733.D
Acq: 1 Aug 2018 4:07

Tgt Ion: 56 Resp: 247
Ion Ratio Lower Upper
56 100
55 150.3 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: 1.658 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.02 min

Lab File: VF059733.D

Acq: 1 Aug 2018 4:07

Instrument :
MSVOA_F
ClientSampled :

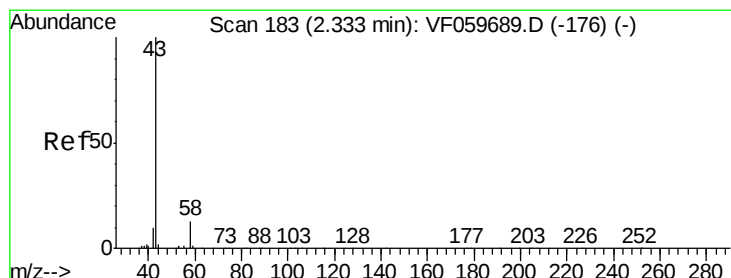
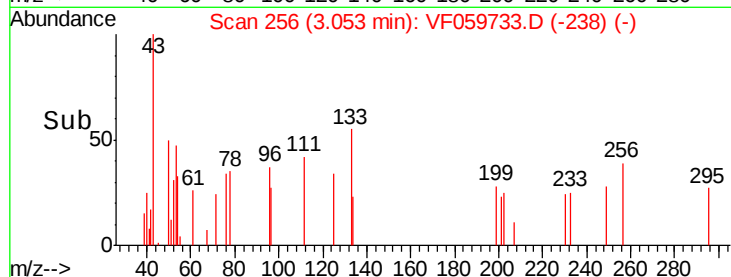
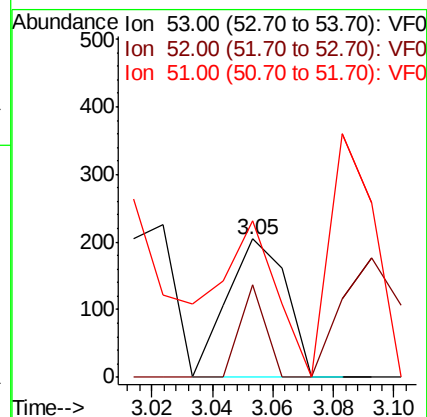
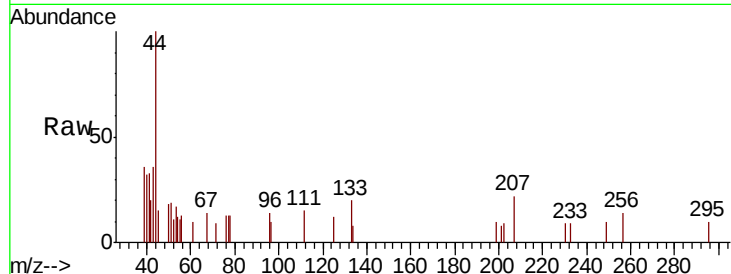
Tot Ion: 53 Resp: 279

Ion Ratio Lower Upper

53 100

52 67.2 80.3 120.5#

51 113.2 49.4 74.0#



#16

Acetone

Concen: 2.942 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF059733.D

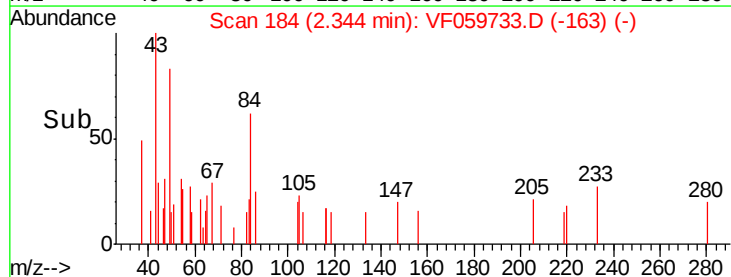
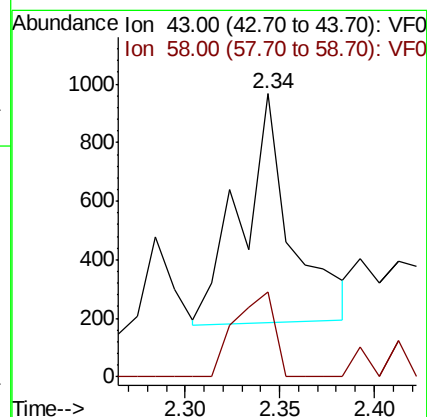
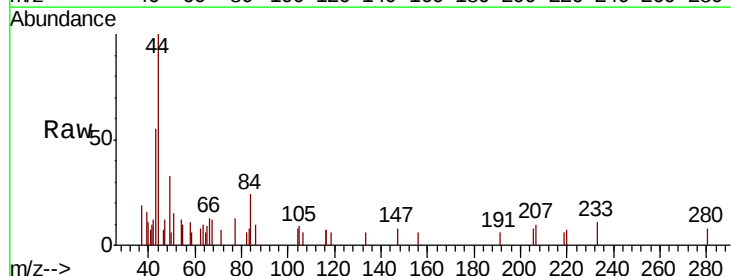
Acq: 1 Aug 2018 4:07

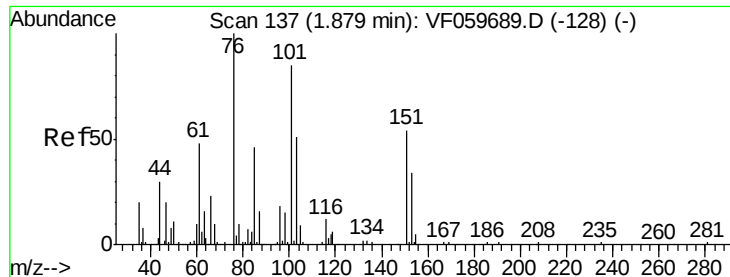
Tgt Ion: 43 Resp: 1432

Ion Ratio Lower Upper

43 100

58 30.0 10.1 15.1#





#17

Carbon Disulfide

Concen: Below Cal

RT: 1.86 min Scan# 135

Delta R.T. -0.02 min

Lab File: VF059733.D

Acq: 1 Aug 2018 4:07

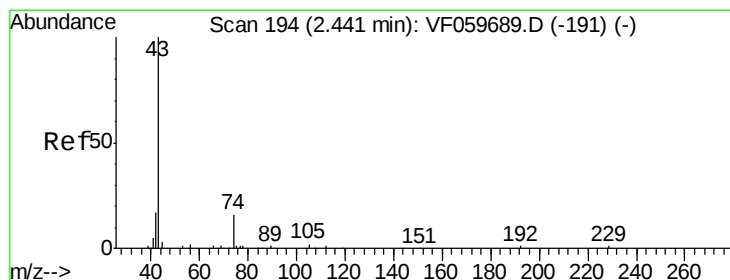
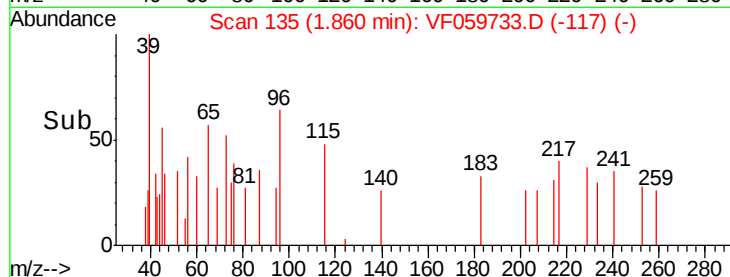
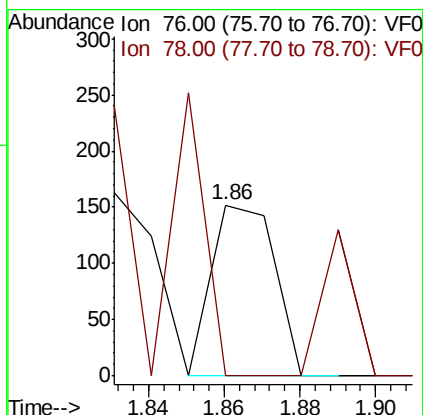
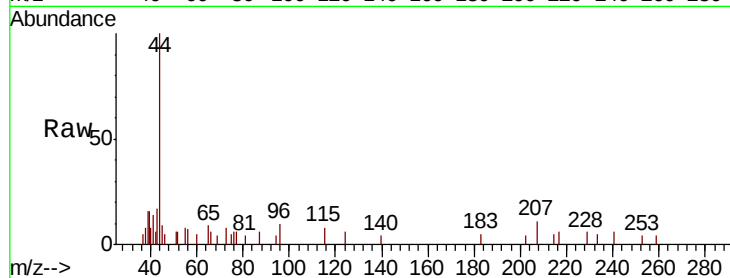
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 174

Ion Ratio Lower Upper

76 100

78 0.0 8.9 13.3#



#18

Methyl Acetate

Concen: Below Cal

RT: 2.45 min Scan# 195

Delta R.T. 0.01 min

Lab File: VF059733.D

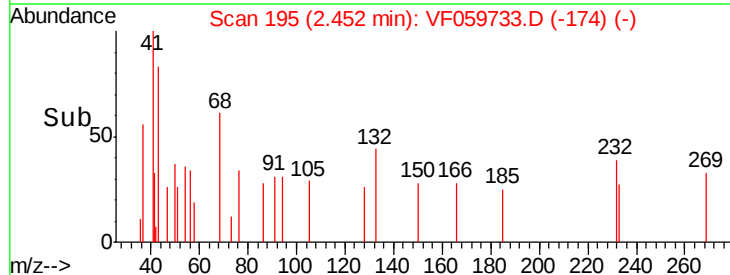
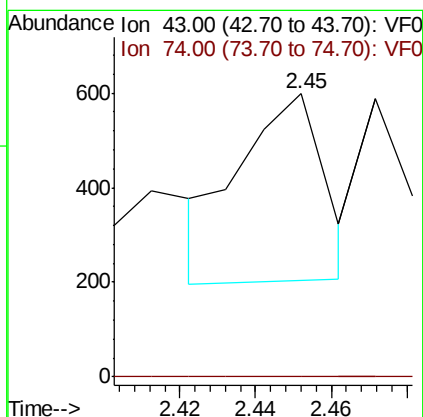
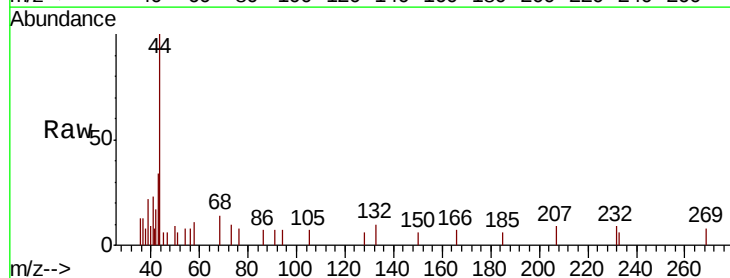
Acq: 1 Aug 2018 4:07

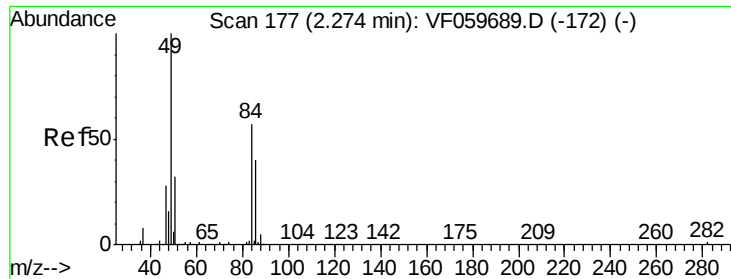
Tgt Ion: 43 Resp: 612

Ion Ratio Lower Upper

43 100

74 0.0 11.8 17.6#



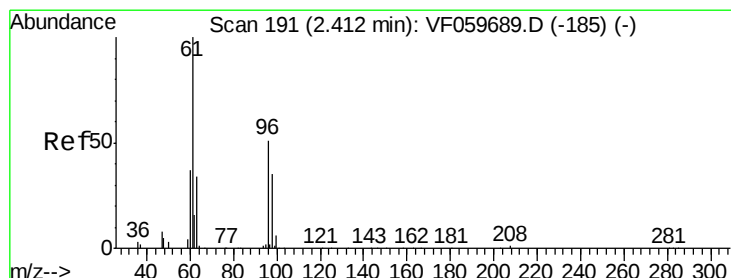
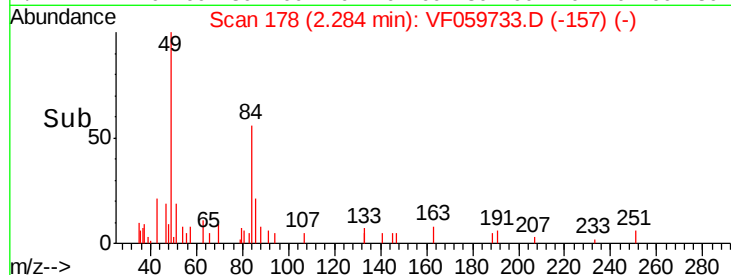
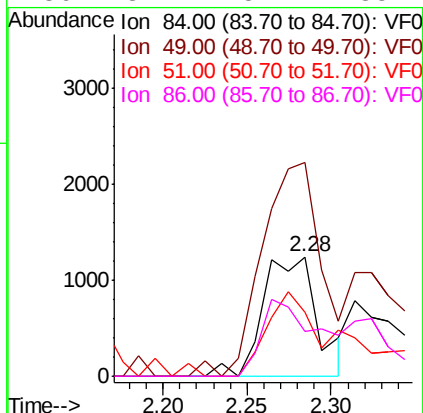
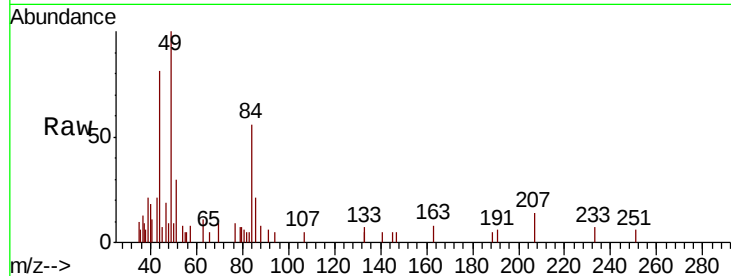


#20

Methvlene Chloride
 Concen: Below Cal
 RT: 2.28 min Scan# 178
 Delta R.T. 0.01 min
 Lab File: VF059733.D
 Acq: 1 Aug 2018 4:07

Instrument :
 MSVOA_F
 ClientSampled :

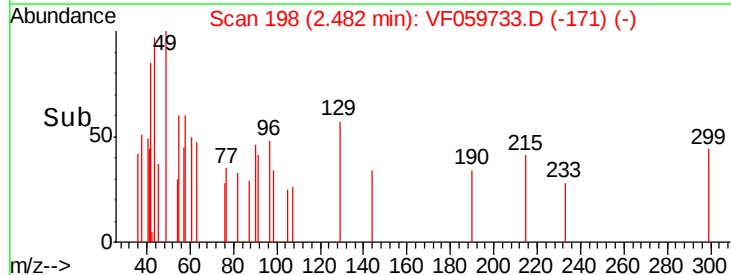
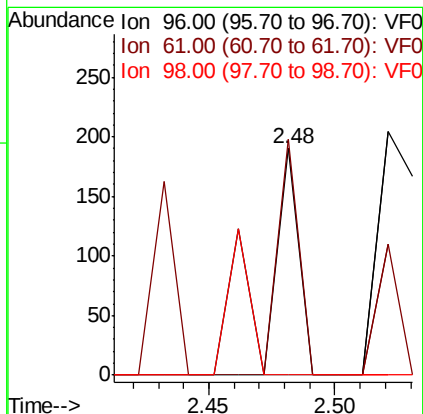
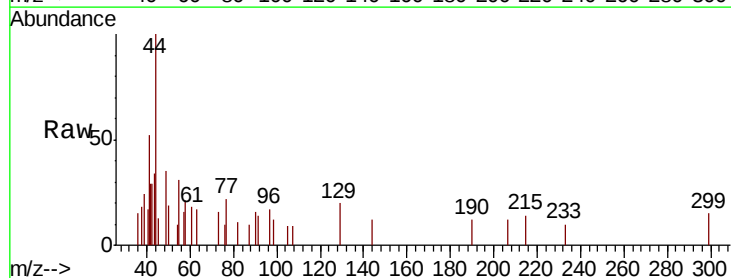
Tot Ion: 84 Resp: 2785
 Ion Ratio Lower Upper
 84 100
 49 179.3 142.2 213.4
 51 53.4 46.2 69.2
 86 37.2 57.1 85.7#

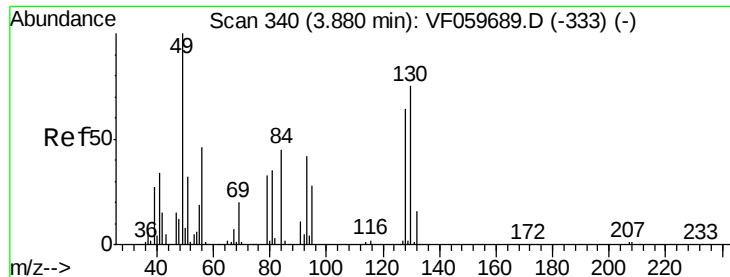


#21

trans-1,2-Dichloroethene
 Concen: Below Cal
 RT: 2.48 min Scan# 198
 Delta R.T. 0.07 min
 Lab File: VF059733.D
 Acq: 1 Aug 2018 4:07

Tgt Ion: 96 Resp: 185
 Ion Ratio Lower Upper
 96 100
 61 104.2 157.4 236.0#
 98 70.0 55.0 82.4





#28

Bromochloromethane

Concen: Below Cal

RT: 3.87 min Scan# 339

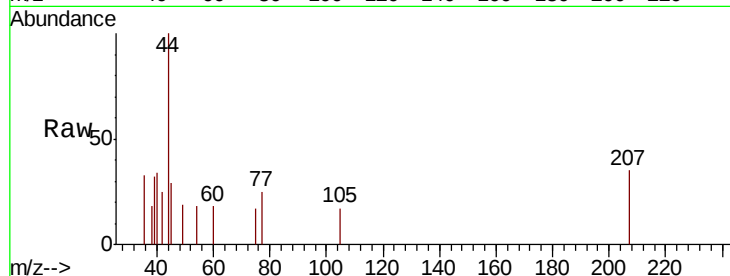
Delta R.T. -0.01 min

Lab File: VF059733.D

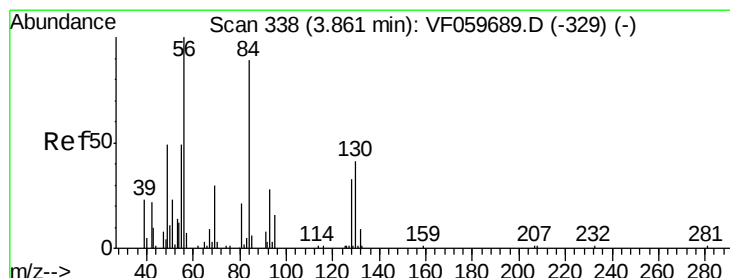
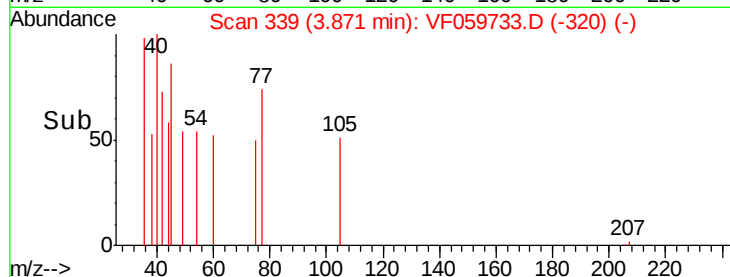
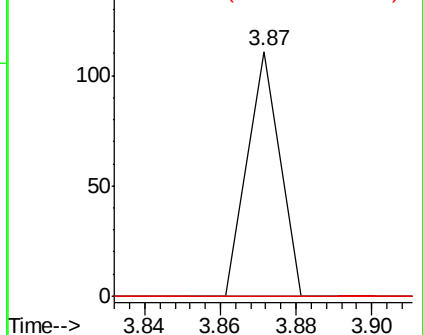
Acq: 1 Aug 2018 4:07

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	49	Resp:	66
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	0.0	59.6	89.4#



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



#31

Cyclohexane

Concen: Below Cal

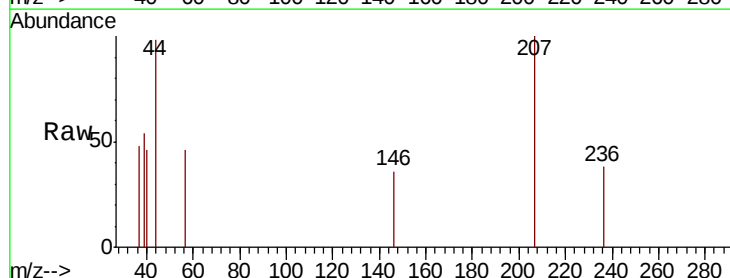
RT: 3.98 min Scan# 350

Delta R.T. 0.12 min

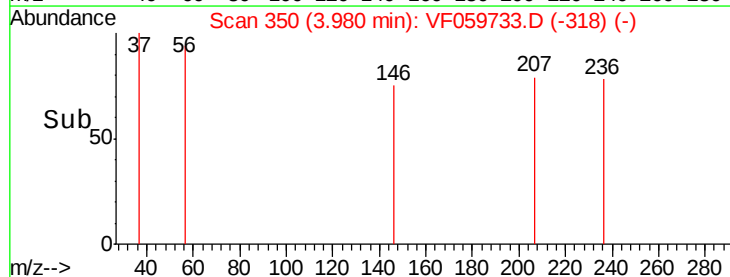
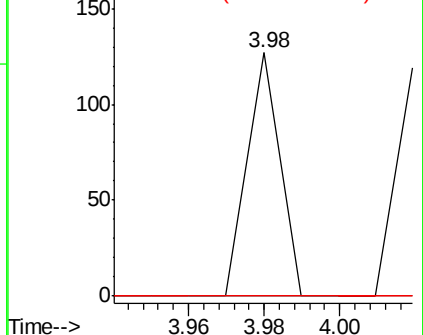
Lab File: VF059733.D

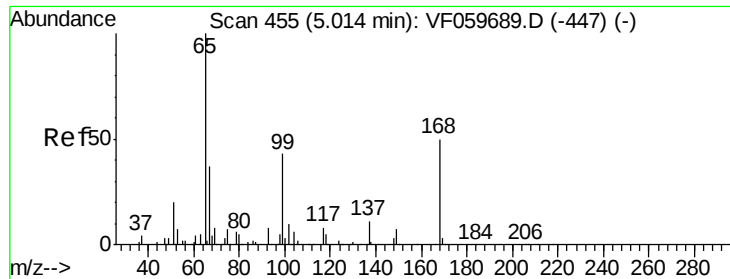
Acq: 1 Aug 2018 4:07

Tgt Ion:	56	Resp:	75
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

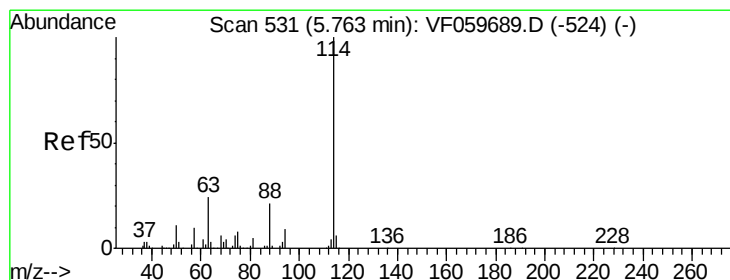
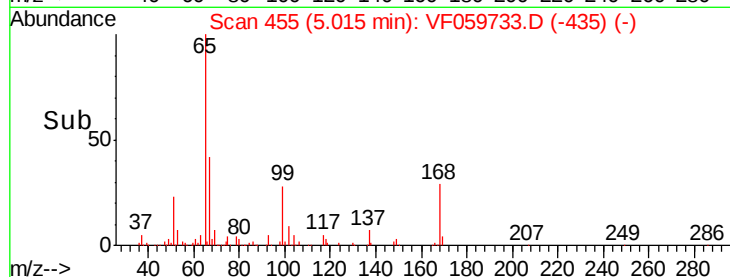
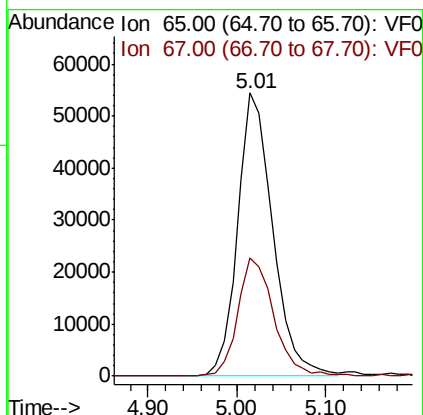
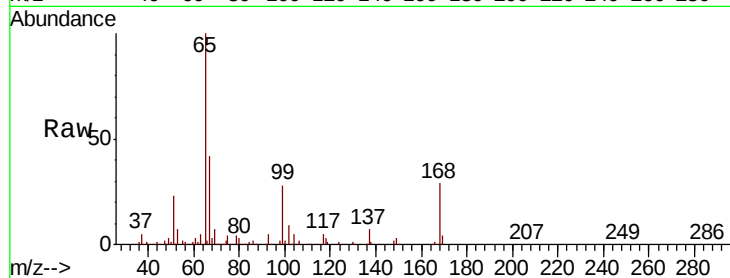




#33
 1,2-Dichloroethane-d4
 Concen: 55.105 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059733.D
 Acq: 1 Aug 2018 4:07

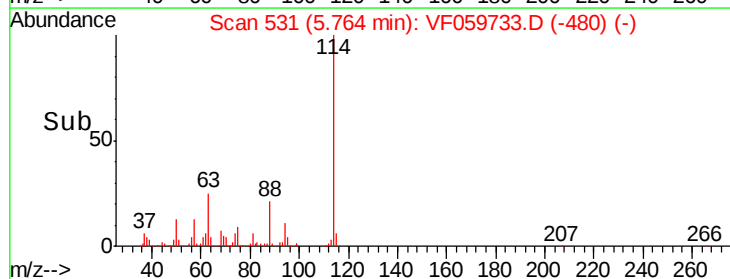
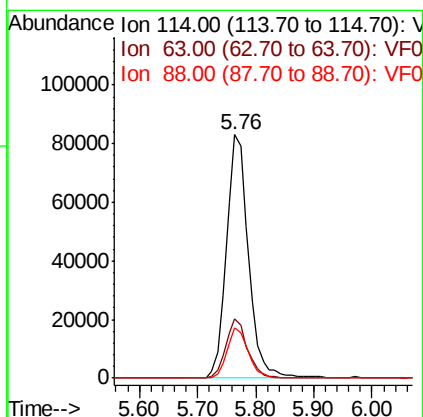
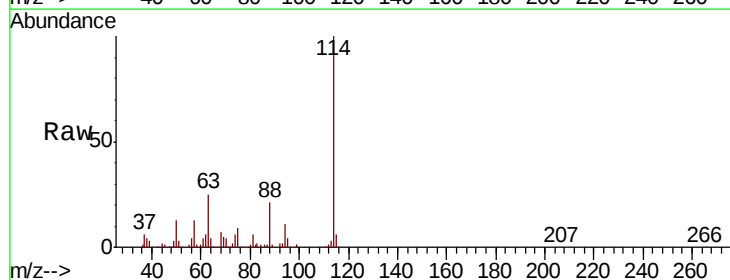
Instrument :
 MSVOA_F
 ClientSampleId :

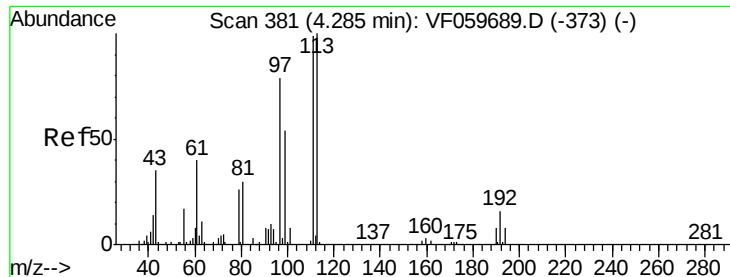
Tot Ion: 65 Resp: 149135
 Ion Ratio Lower Upper
 65 100
 67 41.8 0.0 84.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF059733.D
 Acq: 1 Aug 2018 4:07

Tgt Ion: 114 Resp: 217719
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 47.4
 88 20.7 0.0 41.2





#35

Dibromofluoromethane

Concen: 57.959 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF059733.D

Acq: 1 Aug 2018 4:07

Instrument :

MSVOA_F

ClientSampleId :

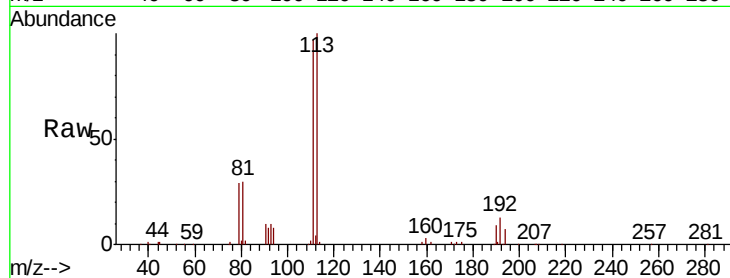
Tot Ion:113 Resp: 131065

Ion Ratio Lower Upper

113 100

111 97.2 79.0 118.4

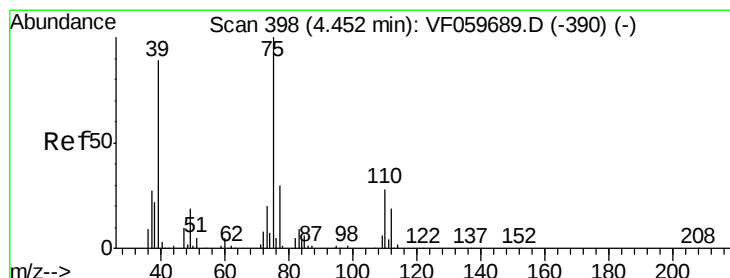
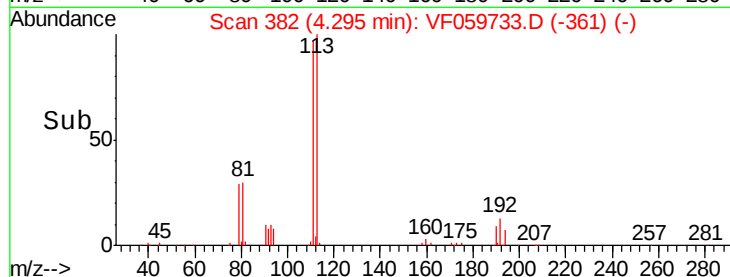
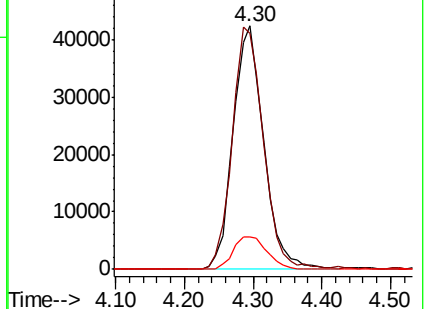
192 13.3 13.2 19.8



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# 400

Delta R.T. 0.02 min

Lab File: VF059733.D

Acq: 1 Aug 2018 4:07

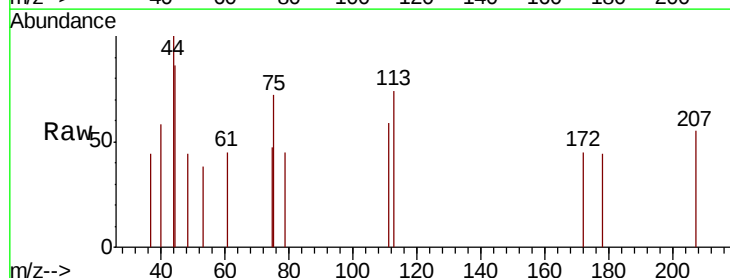
Tgt Ion: 75 Resp: 274

Ion Ratio Lower Upper

75 100

110 0.0 14.0 41.9#

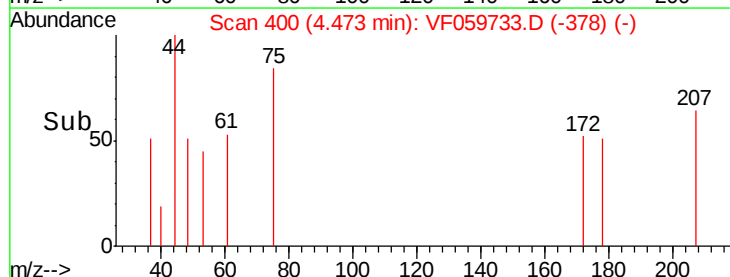
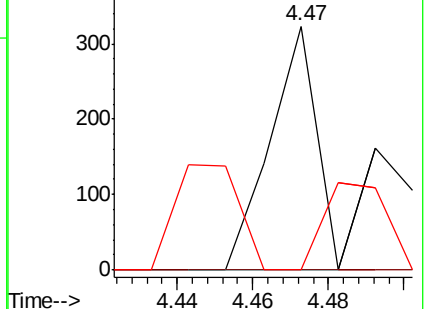
77 0.0 24.2 36.2#

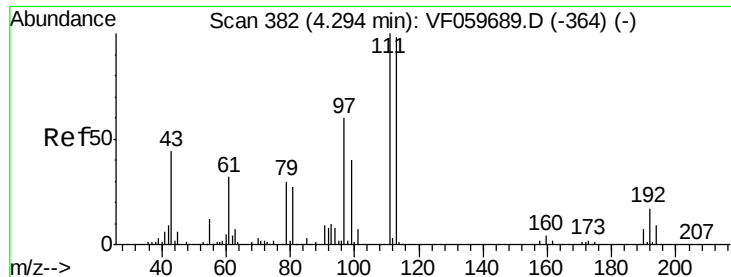


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

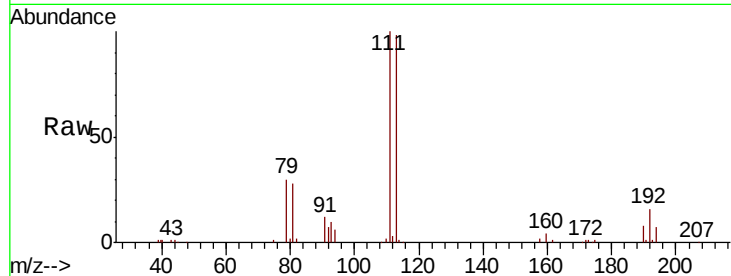




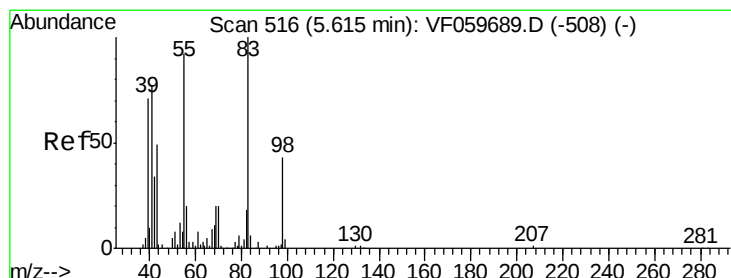
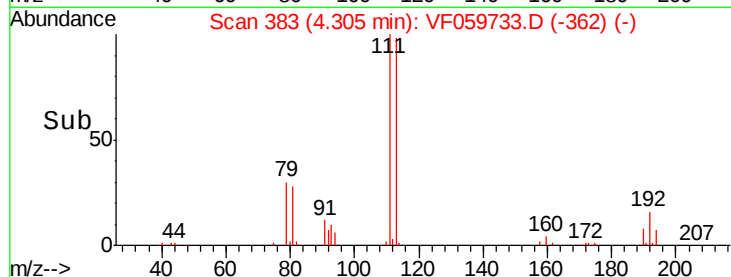
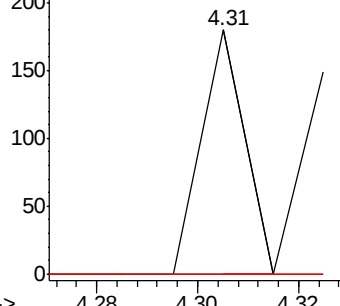
#37
Ethyl Acetate
Concen: Below Cal
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF059733.D
Acq: 1 Aug 2018 4:07

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 106
Ion Ratio Lower Upper
43 100
61 0.0 58.2 87.2#
70 0.0 6.0 9.0#

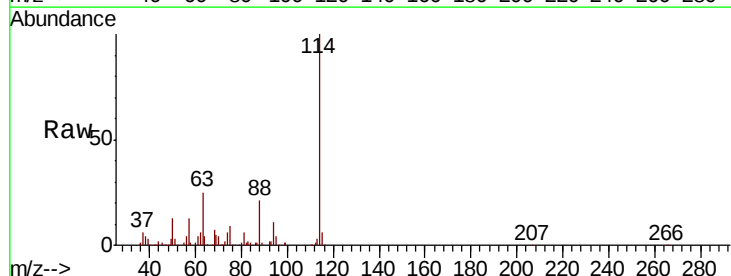


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

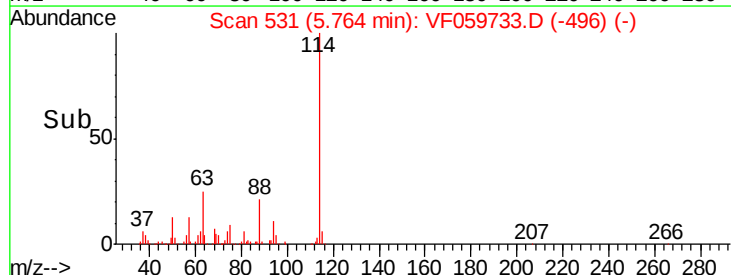
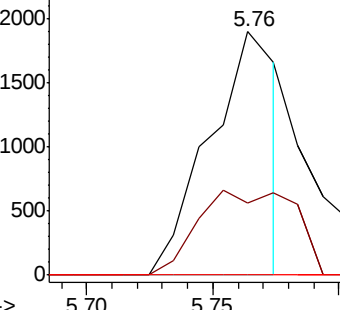


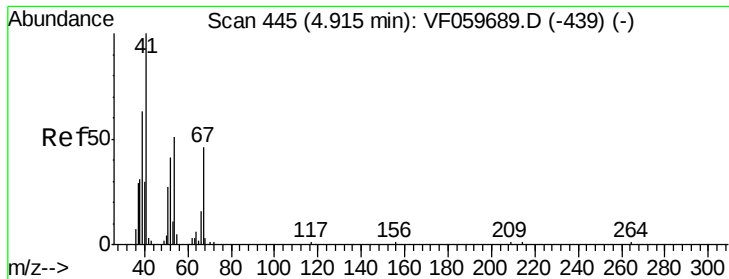
#39
Methylcyclohexane
Concen: Below Cal
RT: 5.76 min Scan# 531
Delta R.T. 0.15 min
Lab File: VF059733.D
Acq: 1 Aug 2018 4:07

Tgt Ion: 83 Resp: 3576
Ion Ratio Lower Upper
83 100
55 29.4 73.4 110.2#
98 0.0 34.2 51.4#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#41

Methacrylonitrile

Concen: Below Cal

RT: 4.93 min Scan# 446

Delta R.T. 0.01 min

Lab File: VF059733.D

Acq: 1 Aug 2018 4:07

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 79

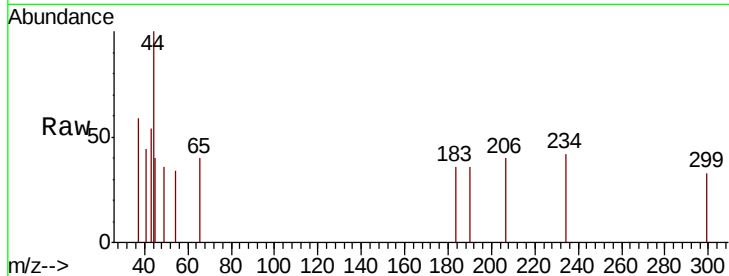
Ion Ratio Lower Upper

41 100

39 0.0 55.2 82.8#

67 0.0 36.2 54.2#

52 0.0 37.7 56.5#

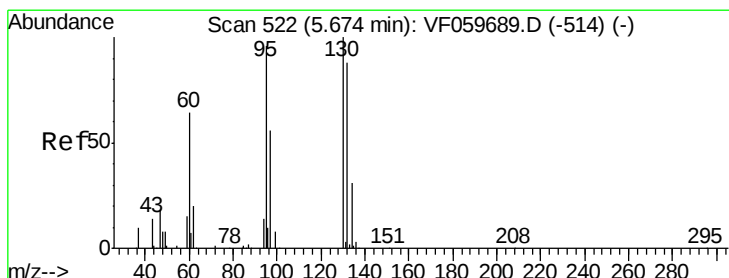
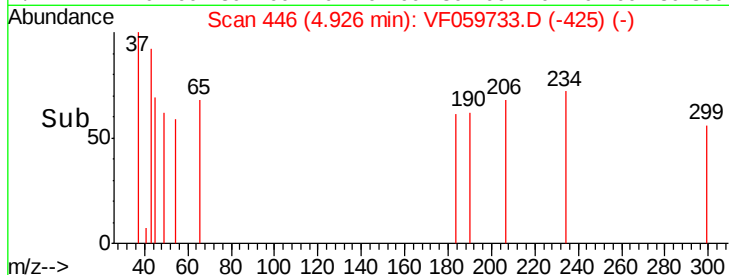
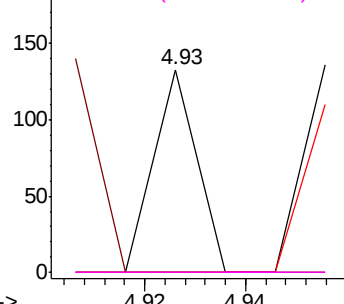


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 5.74 min Scan# 529

Delta R.T. 0.07 min

Lab File: VF059733.D

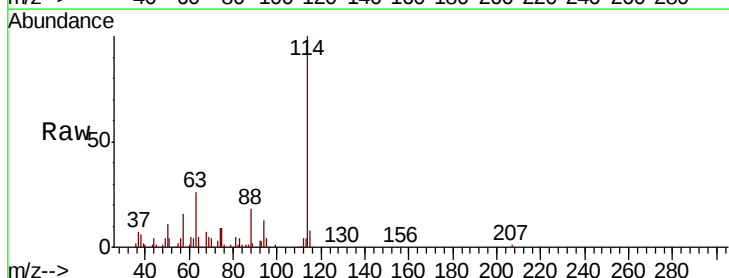
Acq: 1 Aug 2018 4:07

Tgt Ion: 130 Resp: 66

Ion Ratio Lower Upper

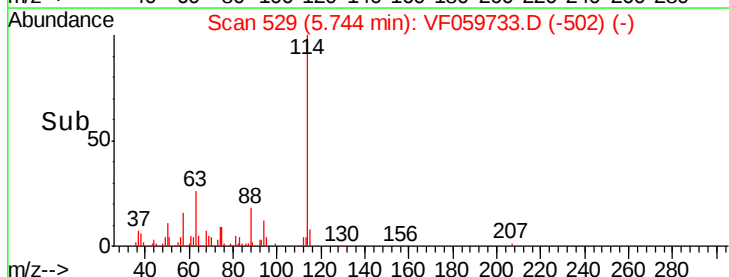
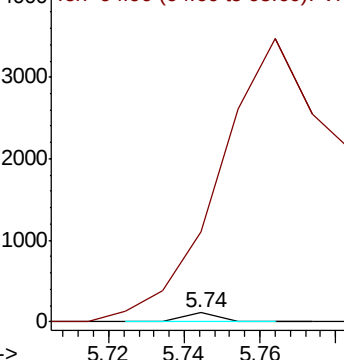
130 100

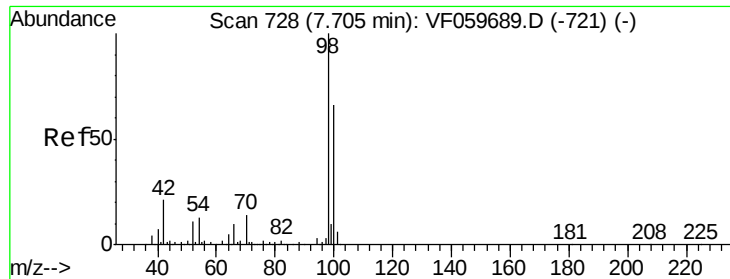
95 983.0 0.0 191.0#



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#50

Toluene-d8

Concen: 31.444 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059733.D

Acq: 1 Aug 2018 4:07

Instrument :

MSVOA_F

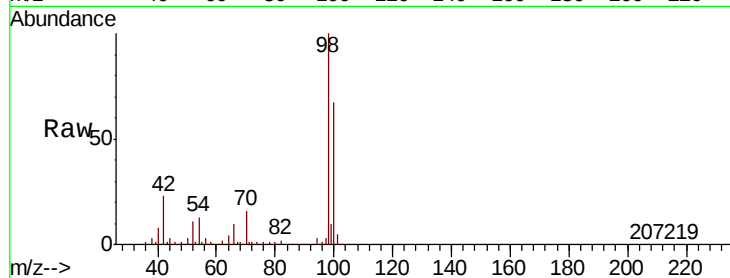
ClientSampleId :

Tot Ion: 98 Resp: 165813

Ion Ratio Lower Upper

98 100

100 66.7 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

60000

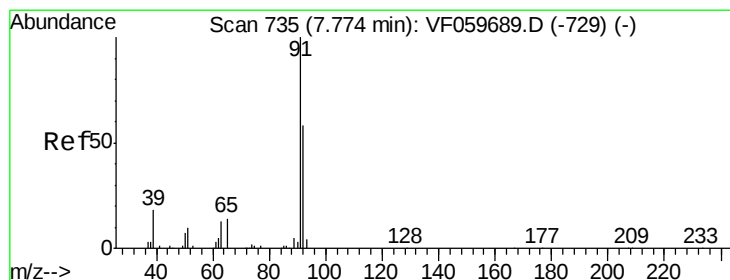
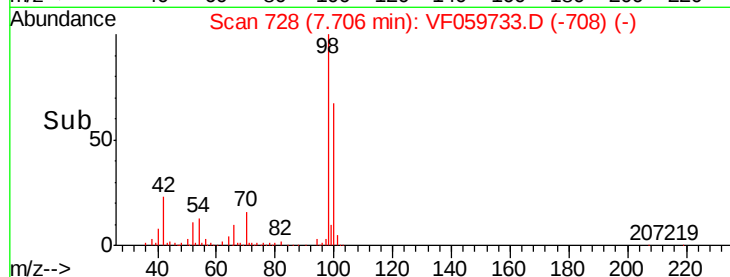
40000

20000

0

7.60 7.70 7.80 7.90

Time-->



#52

Toluene

Concen: Below Cal

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059733.D

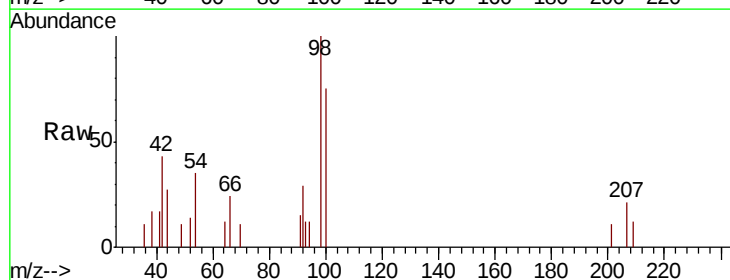
Acq: 1 Aug 2018 4:07

Tgt Ion: 92 Resp: 563

Ion Ratio Lower Upper

92 100

91 51.2 139.0 208.4#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

400

300

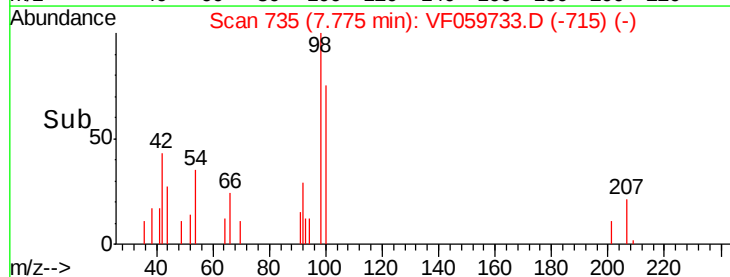
200

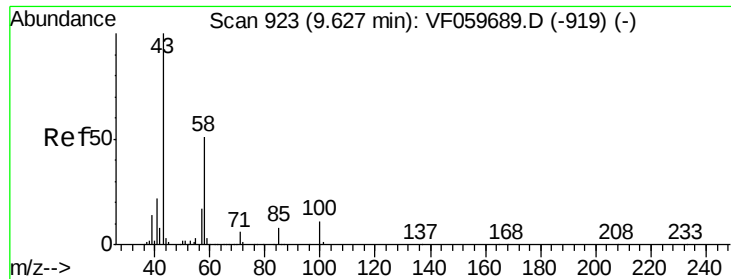
100

0

7.75 7.80

Time-->

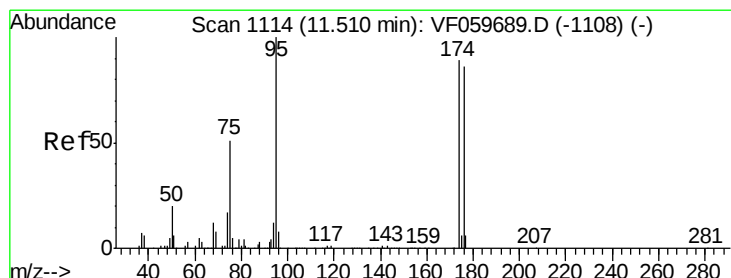
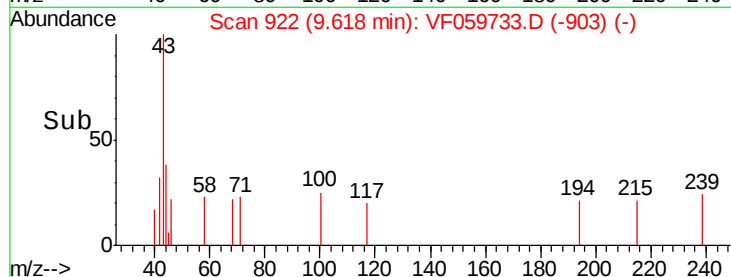
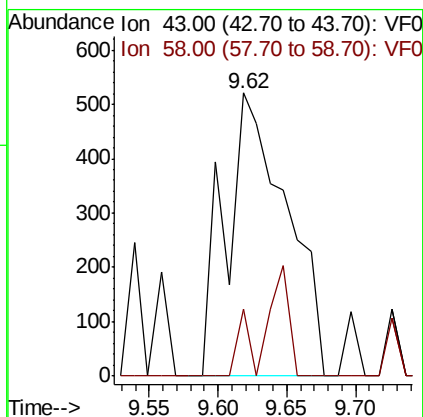
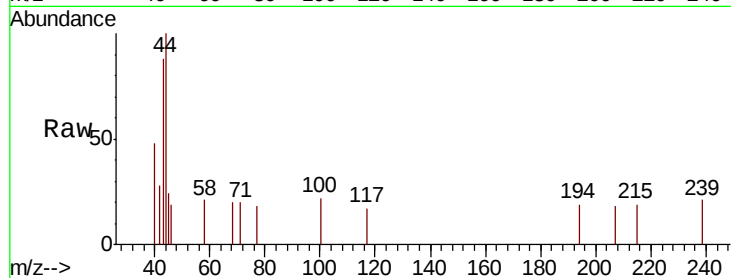




#59
2-Hexanone
Concen: 2.033 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059733.D
Acq: 1 Aug 2018 4:07

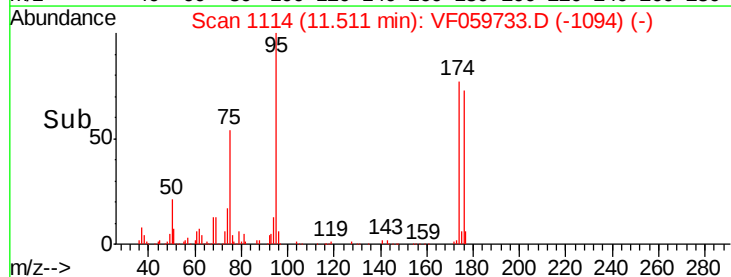
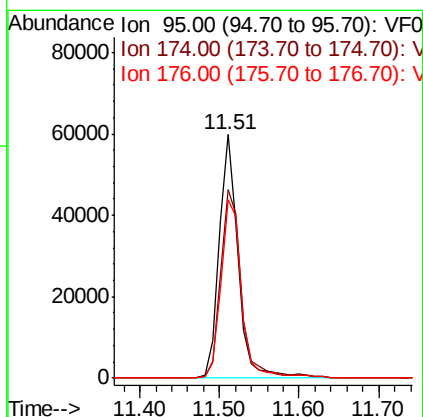
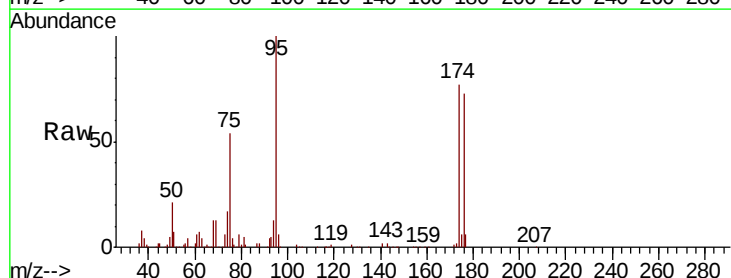
Instrument :
MSVOA_F
ClientSampled :

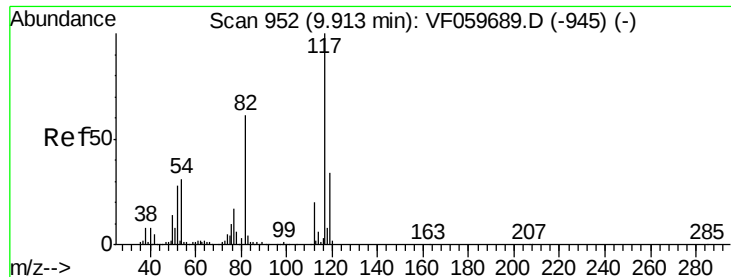
Tot Ion: 43 Resp: 1613
Ion Ratio Lower Upper
43 100
58 23.4 23.3 69.8



#62
4-Bromofluorobenzene
Concen: 34.625 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VF059733.D
Acq: 1 Aug 2018 4:07

Tgt Ion: 95 Resp: 101083
Ion Ratio Lower Upper
95 100
174 77.3 0.0 178.4
176 73.1 0.0 173.0

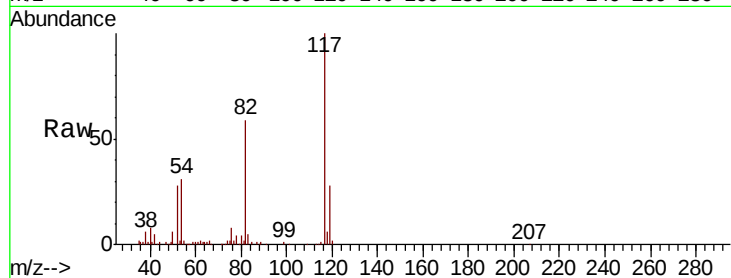




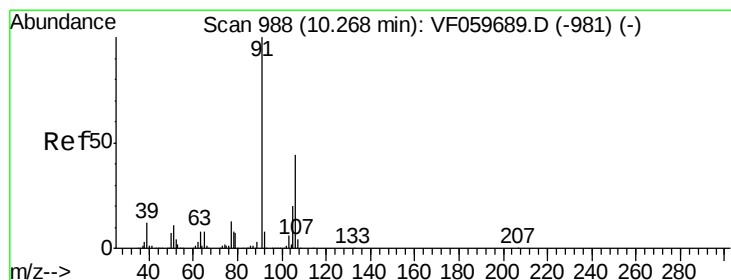
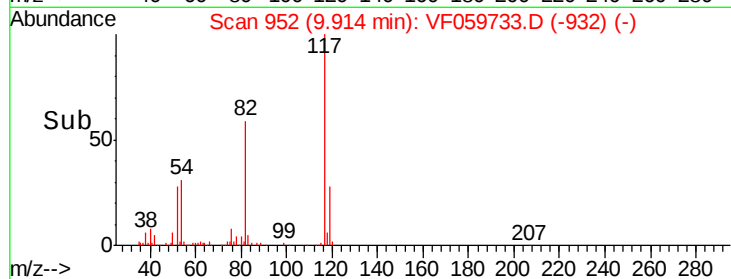
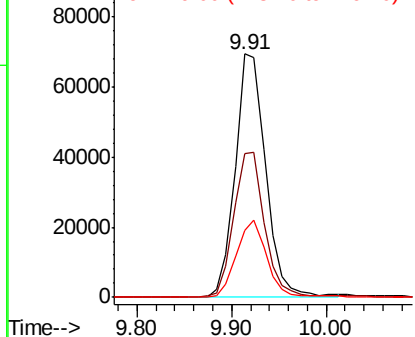
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059733.D
Acq: 1 Aug 2018 4:07

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 155516
Ion Ratio Lower Upper
117 100
82 58.9 49.0 73.4
119 27.8 27.3 40.9

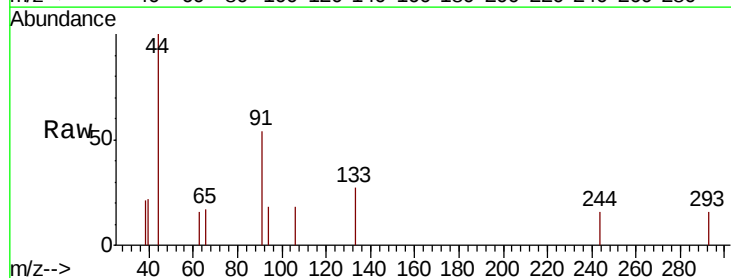


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

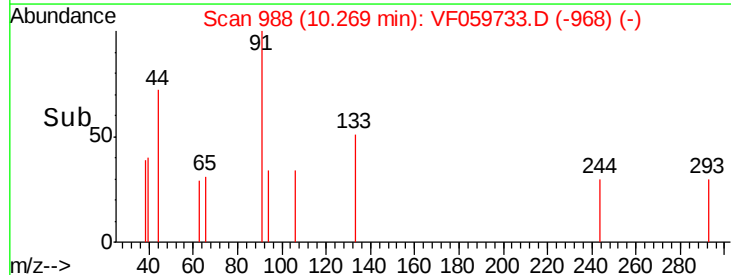
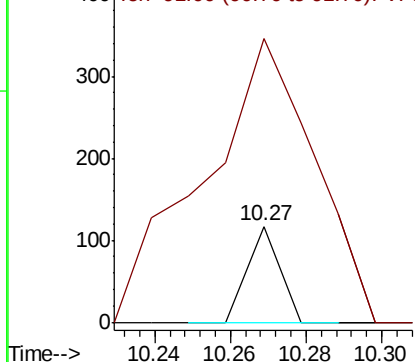


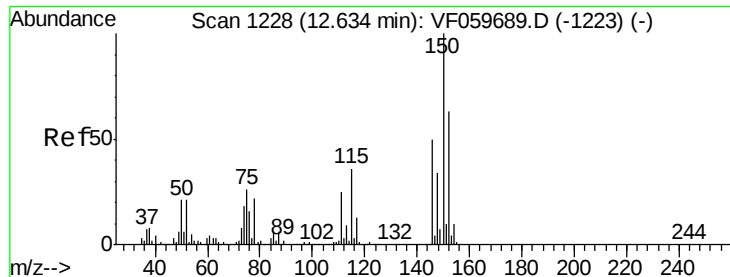
#68
m/p-Xylenes
Concen: Below Cal
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF059733.D
Acq: 1 Aug 2018 4:07

Tgt Ion:106 Resp: 69
Ion Ratio Lower Upper
106 100
91 295.7 181.7 272.5#



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



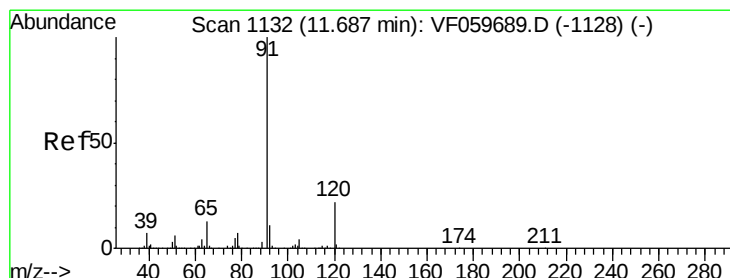
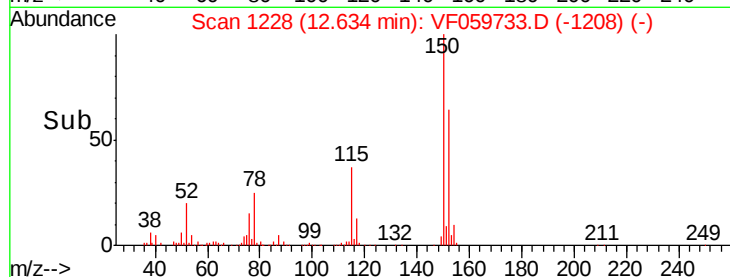
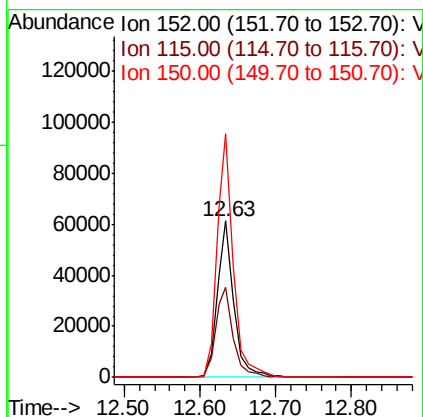
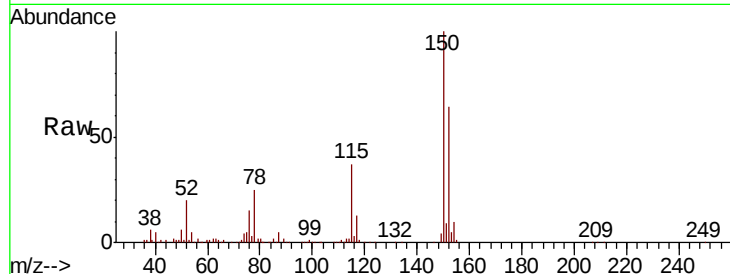


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059733.D
Acq: 1 Aug 2018 4:07

Instrument :
MSVOA_F
ClientSampleId :

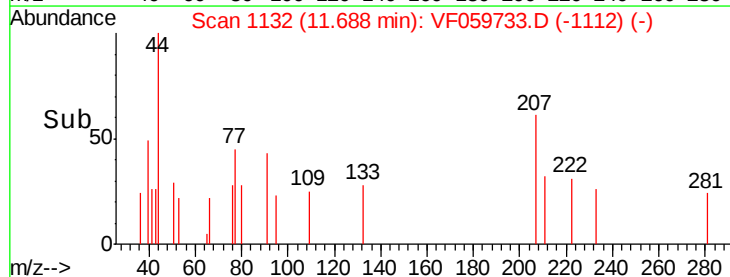
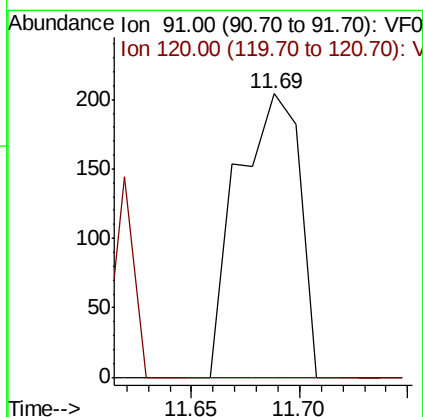
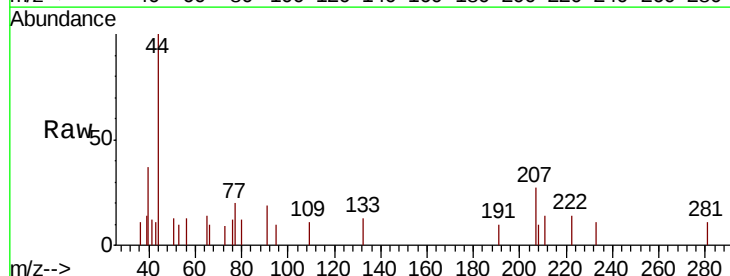
Tot Ion:152 Resp: 93872
Ion Ratio Lower Upper
152 100
115 57.6 28.2 84.6
150 156.1 0.0 316.2

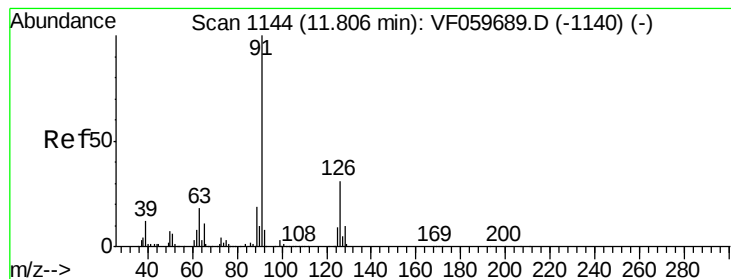


#78

n-propylbenzene
Concen: Below Cal
RT: 11.69 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VF059733.D
Acq: 1 Aug 2018 4:07

Tgt Ion: 91 Resp: 409
Ion Ratio Lower Upper
91 100
120 0.0 11.0 33.0#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059733.D

Acq: 1 Aug 2018 4:07

Instrument :

MSVOA_F

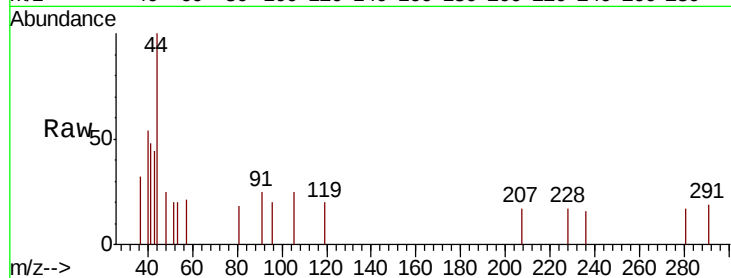
ClientSampleId :

Tot Ion: 91 Resp: 403

Ion Ratio Lower Upper

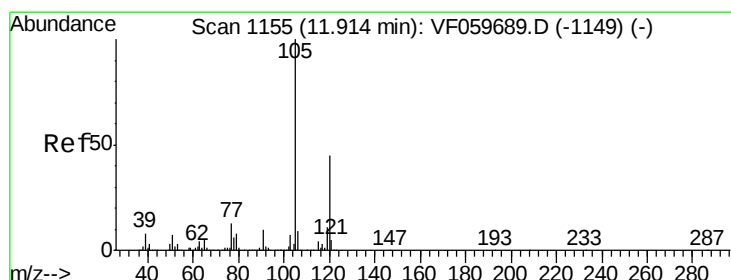
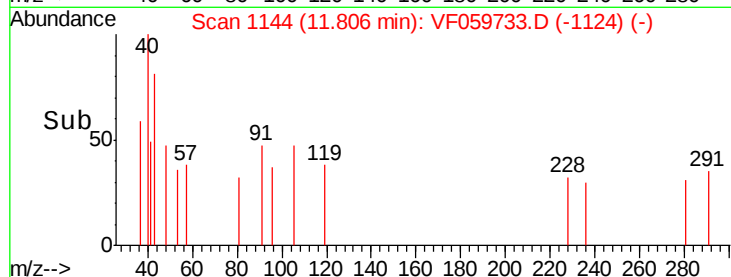
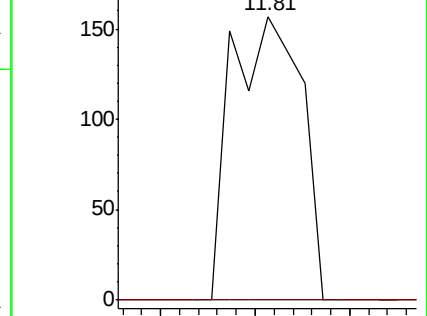
91 100

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# 1155

Delta R.T. 0.00 min

Lab File: VF059733.D

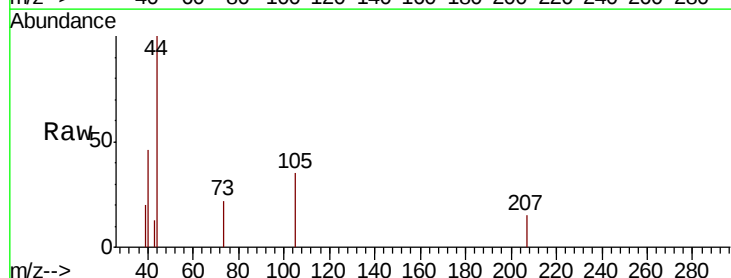
Acq: 1 Aug 2018 4:07

Tgt Ion:105 Resp: 338

Ion Ratio Lower Upper

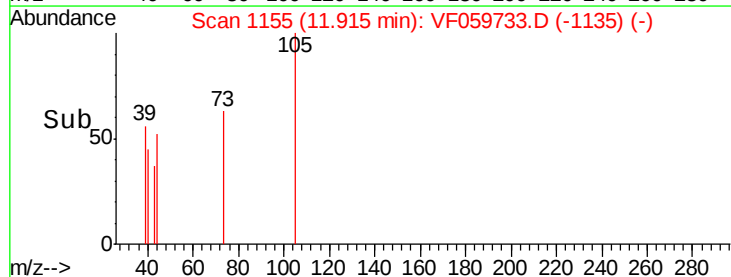
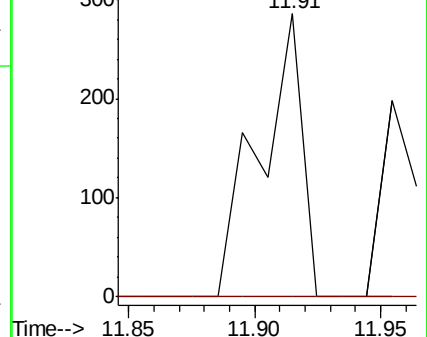
105 100

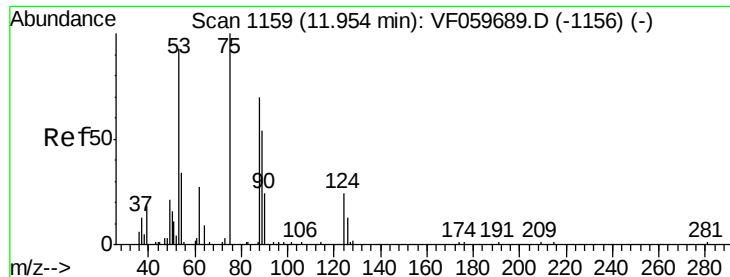
120 0.0 22.7 68.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 1.043 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. 0.04 min

Lab File: VF059733.D

Acq: 1 Aug 2018 4:07

Instrument :

MSVOA_F

ClientSampleId :

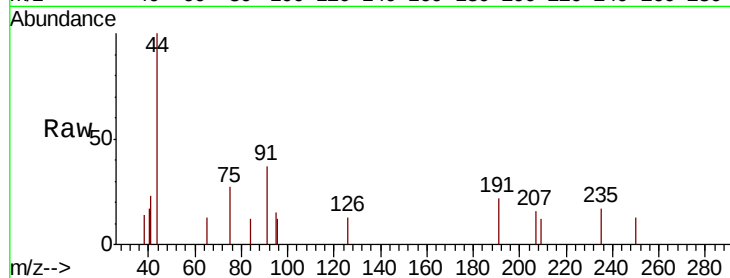
Tot Ion: 75 Resp: 426

Ion Ratio Lower Upper

75 100

53 0.0 78.3 117.5#

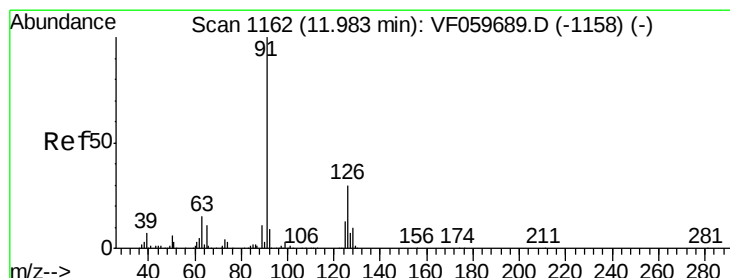
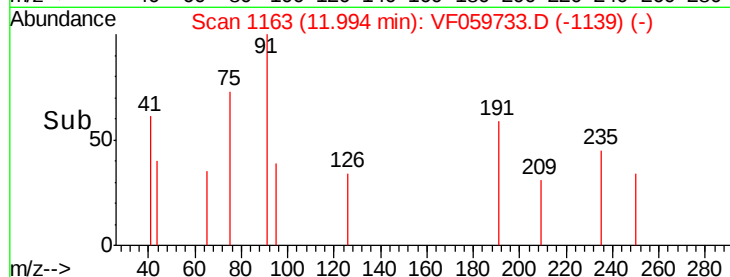
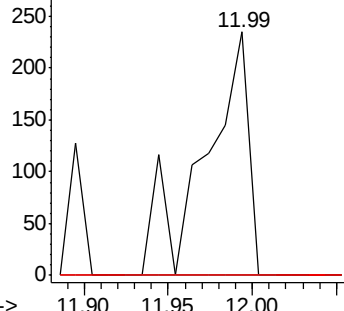
89 0.0 45.4 68.2#



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



#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.99 min Scan# 1163

Delta R.T. 0.01 min

Lab File: VF059733.D

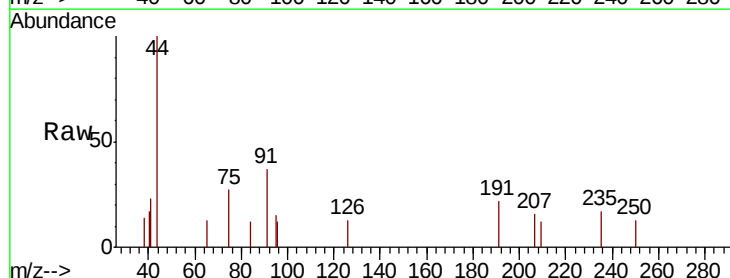
Acq: 1 Aug 2018 4:07

Tgt Ion: 91 Resp: 509

Ion Ratio Lower Upper

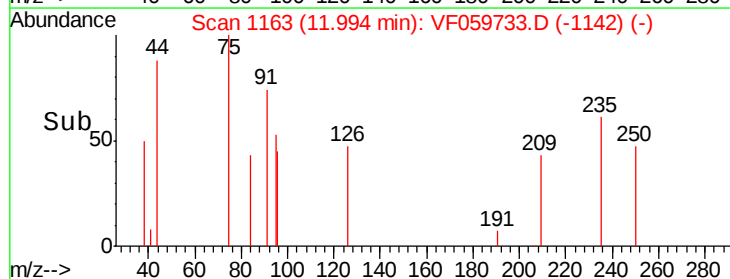
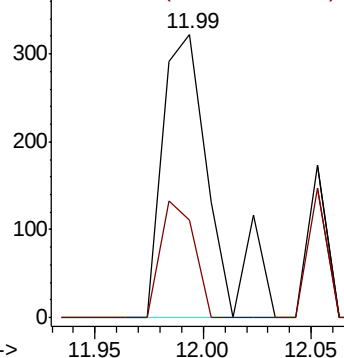
91 100

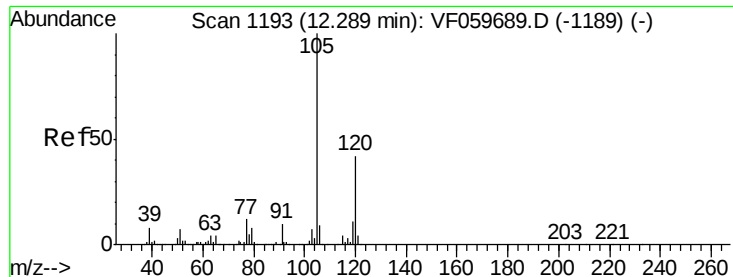
126 34.5 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

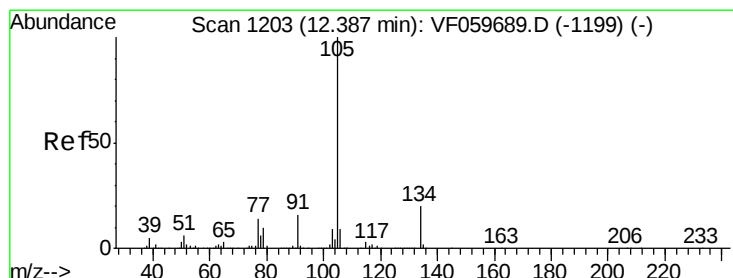
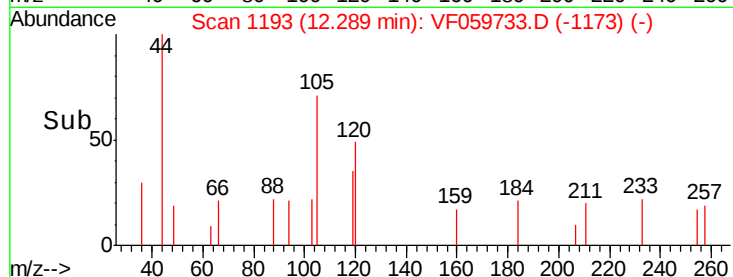
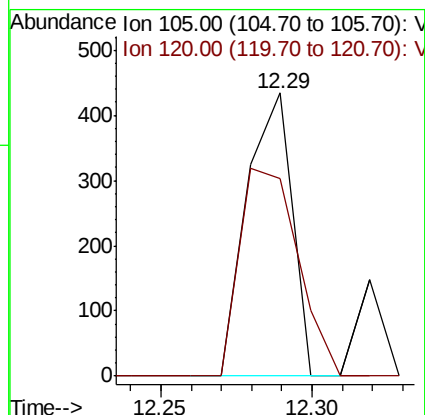
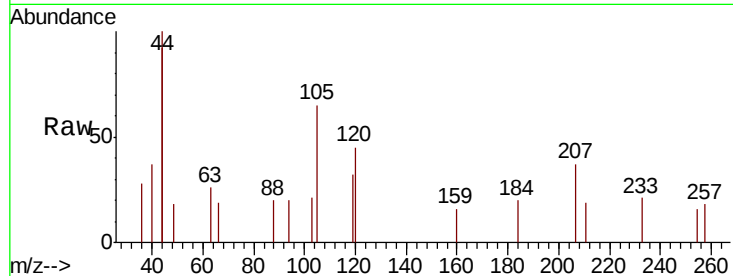




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059733.D
 Acq: 1 Aug 2018 4:07

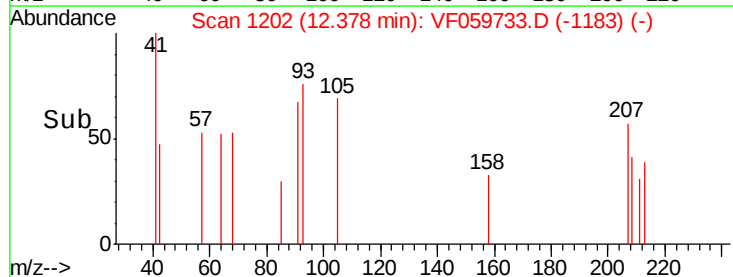
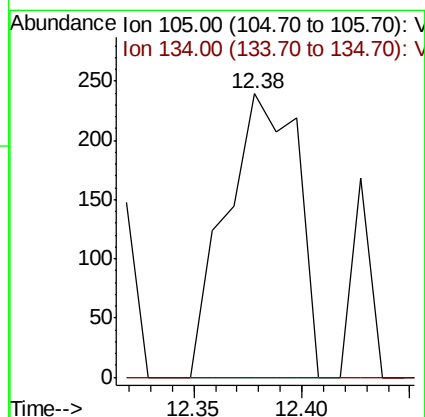
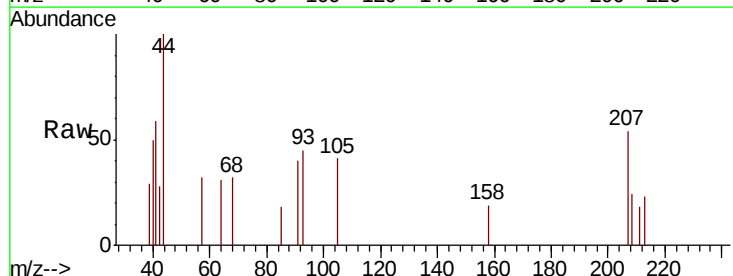
Instrument :
 MSVOA_F
 ClientSampled :

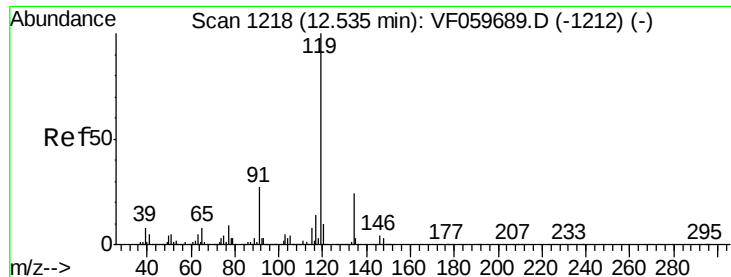
Tot Ion:105 Resp: 449
 Ion Ratio Lower Upper
 105 100
 120 69.8 21.1 63.3#



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF059733.D
 Acq: 1 Aug 2018 4:07

Tgt Ion:105 Resp: 552
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#

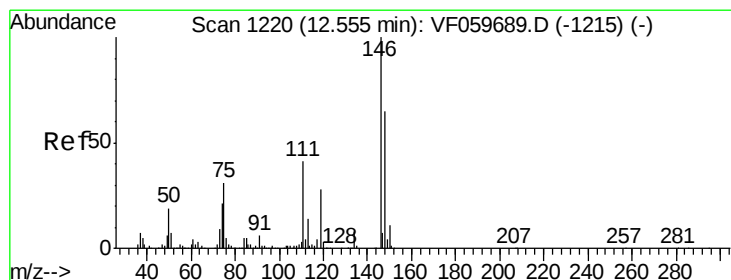
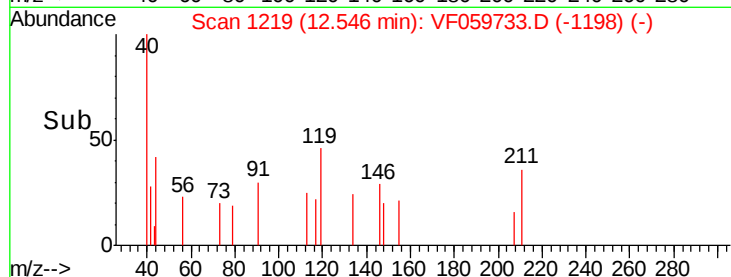
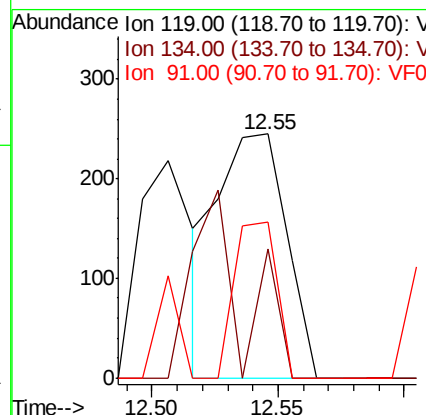
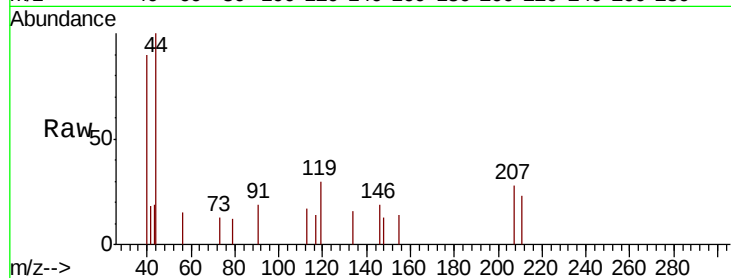




#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF059733.D
 Acq: 1 Aug 2018 4:07

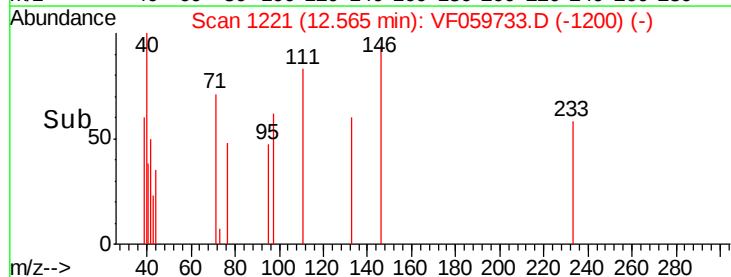
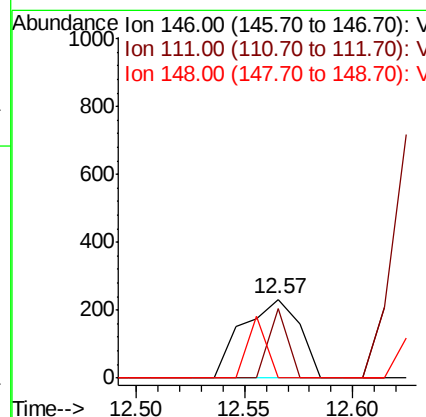
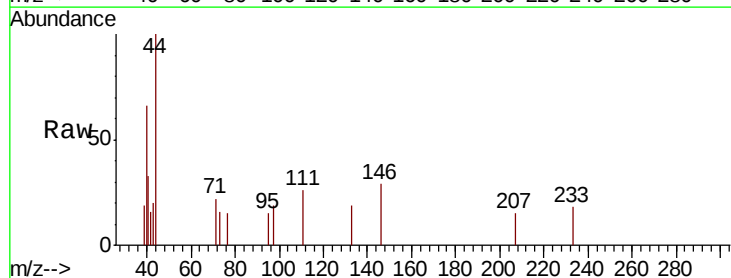
Instrument :
 MSVOA_F
 ClientSampleId :

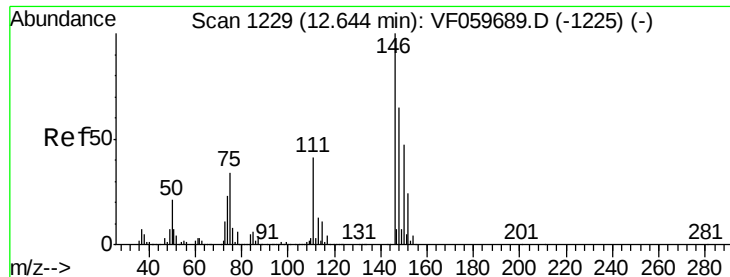
Tot Ion	Ratio	Lower	Upper
119	100		
134	52.7	12.2	36.6#
91	63.7	13.4	40.2#



#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.01 min
 Lab File: VF059733.D
 Acq: 1 Aug 2018 4:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	88.8	20.7	62.1#
148	0.0	32.3	96.8#

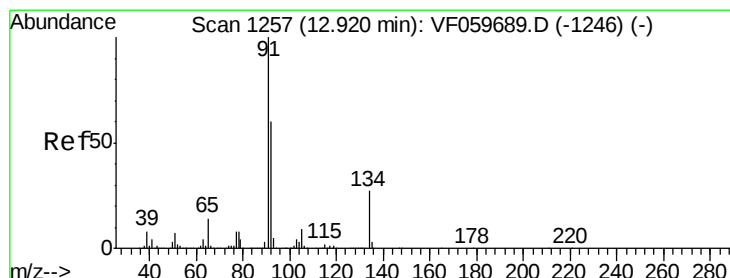
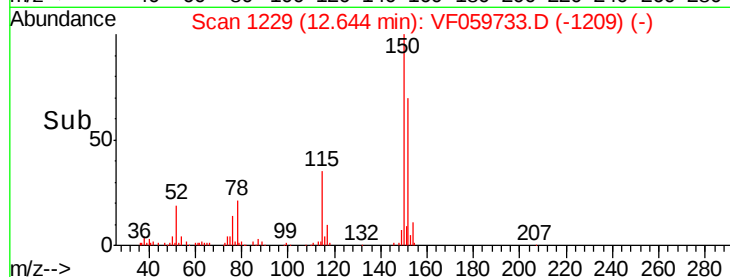
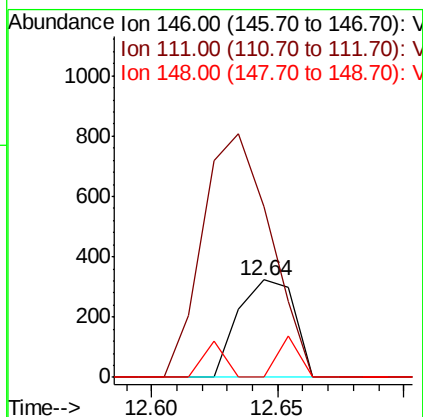
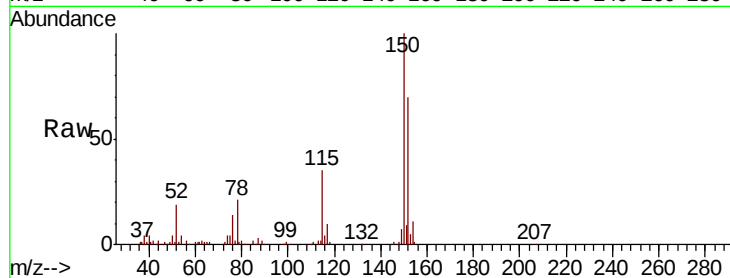




#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059733.D
 Acq: 1 Aug 2018 4:07

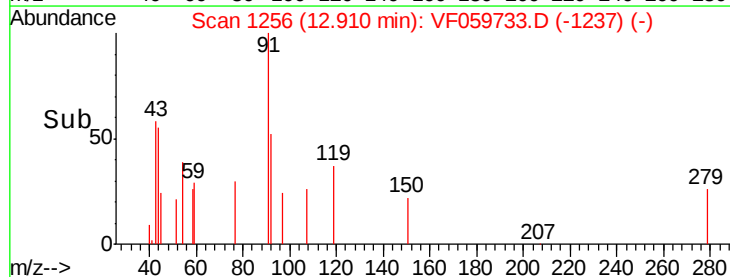
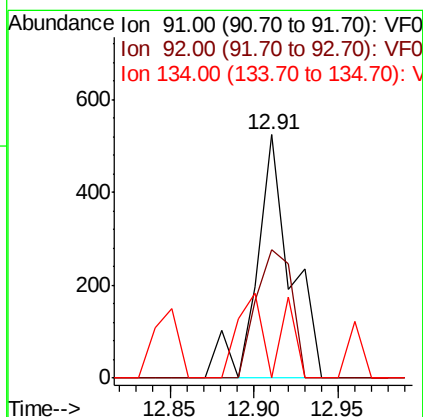
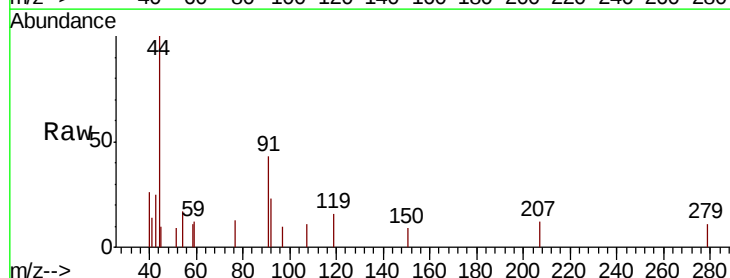
Instrument :
 MSVOA_F
 ClientSampled :

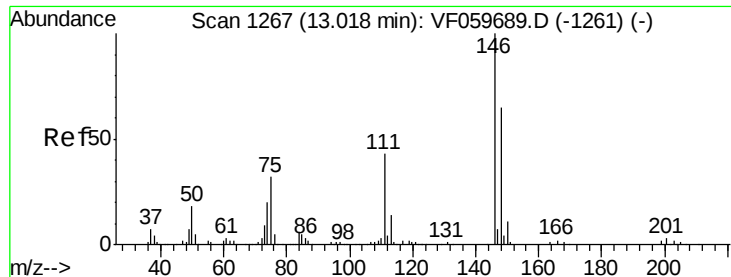
Tot Ion:146 Resp: 503
 Ion Ratio Lower Upper
 146 100
 111 176.1 20.8 62.2#
 148 0.0 32.3 96.9#



#89
 n-Butylbenzene
 Concen: Below Cal
 RT: 12.91 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VF059733.D
 Acq: 1 Aug 2018 4:07

Tgt Ion: 91 Resp: 739
 Ion Ratio Lower Upper
 91 100
 92 52.5 30.1 90.3
 134 0.0 13.7 41.0#

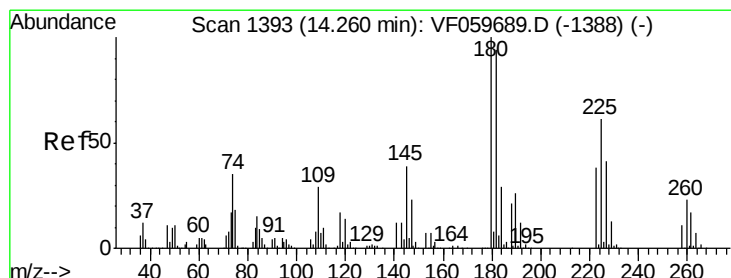
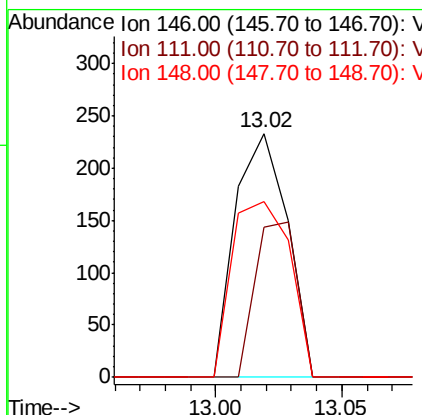
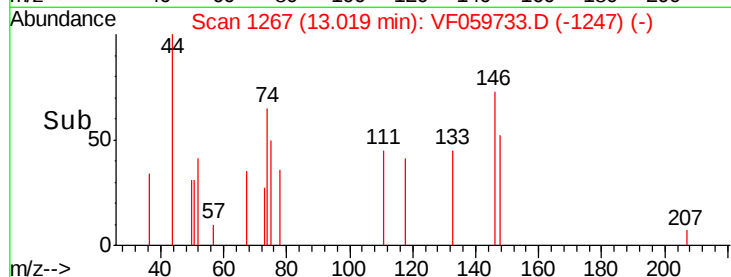
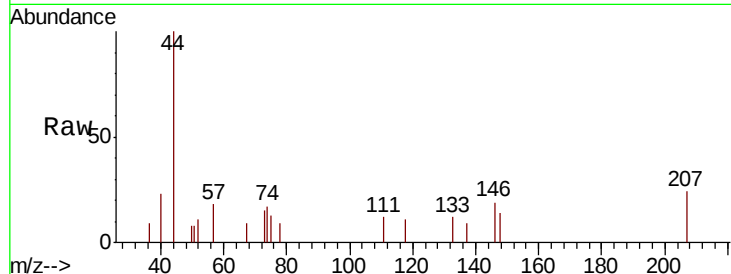




#91
 1,2-Dichlorobenzene
 Concen: Below Cal
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059733.D
 Acq: 1 Aug 2018 4:07

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:146 Resp: 335
 Ion Ratio Lower Upper
 146 100
 111 61.8 21.6 65.0
 148 72.1 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: VF059733.D
 Acq: 1 Aug 2018 4:07

Tgt Ion:180 Resp: 712
 Ion Ratio Lower Upper
 180 100
 182 111.7 47.2 141.6
 145 45.5 19.3 57.9

