

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\
 Data File : VF059822.D
 Acq On : 3 Aug 2018 3:03
 Operator : VA/AP
 Sample : VF0802SBL02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBL02

Quant Time: Aug 03 07:09:24 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	188341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	279292	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	259205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	164389	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	170470	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
35) Dibromofluoromethane	4.29	113	147866	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
50) Toluene-d8	7.71	98	318992	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	
62) 4-Bromofluorobenzene	11.50	95	167924	44.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.68%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.97	85	478	Below Cal	# 44
3) Chloromethane	1.09	50	1106	Below Cal	# 90
4) Vinyl Chloride	1.11	62	138	Below Cal	# 47
5) Bromomethane	1.33	94	287	Below Cal	# 87
6) Chloroethane	1.42	64	65	Below Cal	# 1
10) Methyl Iodide	1.95	142	71	Below Cal	# 84
13) Acrolein	2.09	56	842	27.086 ug/l	# 91
15) Acrylonitrile	3.10	53	694	3.235 ug/l	# 53
16) Acetone	2.34	43	3745	6.151 ug/l	# 94
17) Carbon Disulfide	1.88	76	369	Below Cal	# 71
18) Methyl Acetate	2.44	43	330	Below Cal	# 64
20) Methylene Chloride	2.27	84	7898	Below Cal	# 87
21) trans-1,2-Dichloroethene	2.40	96	209	Below Cal	# 1
25) 2-Butanone	4.51	43	869	1.279 ug/l	# 74
28) Bromochloromethane	3.86	49	70	Below Cal	# 15
29) Tetrahydrofuran	4.28	42	647	2.478 ug/l	# 49
31) Cyclohexane	3.89	56	106	Below Cal	# 1
36) 1,1-Dichloropropene	4.44	75	861	Below Cal	# 56
37) Ethyl Acetate	4.35	43	171	Below Cal	# 19
39) Methylcyclohexane	5.75	83	3569	Below Cal	# 32
41) Methacrylonitrile	4.92	41	93	Below Cal	# 60
49) 1,4-Dioxane	6.83	88	62	Below Cal	# 1
51) 4-Methyl-2-Pentanone	8.40	43	1801	1.418 ug/l	# 92
52) Toluene	7.78	92	1102	Below Cal	# 85
59) 2-Hexanone	9.63	43	1715	1.685 ug/l	# 54
64) Tetrachloroethene	8.35	164	70	Below Cal	# 31
68) m/p-Xylenes	10.25	106	420	Below Cal	# 63
78) n-propylbenzene	11.68	91	1281	Below Cal	# 54
79) 2-Chlorotoluene	11.82	91	426	Below Cal	# 44
80) 1,3,5-Trimethylbenzene	11.91	105	567	Below Cal	# 91
82) 4-Chlorotoluene	11.99	91	641	Below Cal	# 44
84) 1,2,4-Trimethylbenzene	12.28	105	1358	Below Cal	# 50
85) sec-Butylbenzene	12.39	105	801	Below Cal	# 98
86) p-Isopropyltoluene	12.54	119	806	Below Cal	# 76

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Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 100 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBL02

Quant Time: Aug 03 07:09:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

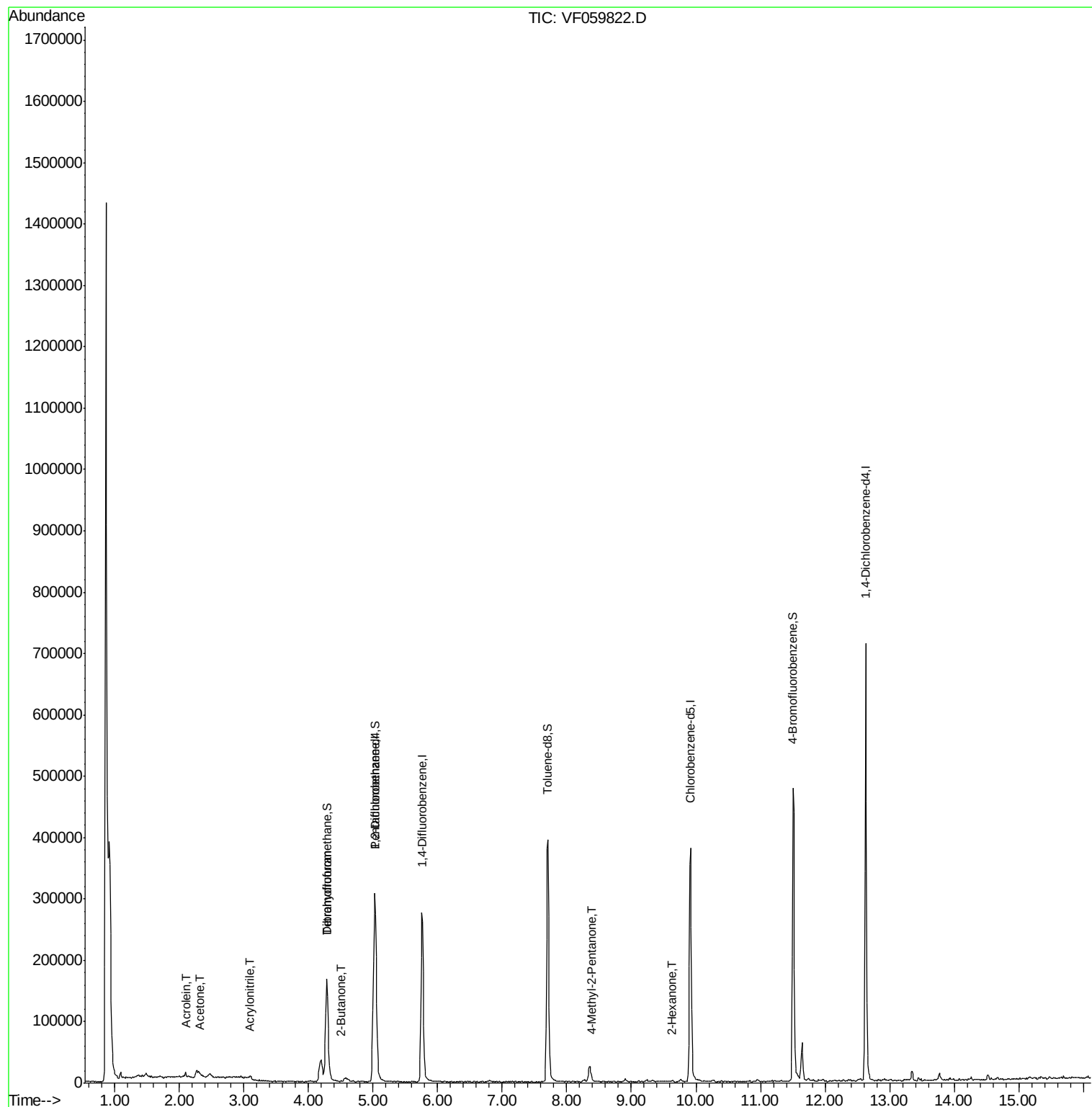
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	12.55	146	618	Below Cal	#	38
88) 1,4-Dichlorobenzene	12.64	146	1102	Below Cal	#	43
89) n-Butylbenzene	12.91	91	1408	Below Cal		90
91) 1,2-Dichlorobenzene	13.02	146	634	Below Cal	#	63
93) 1,2,4-Trichlorobenzene	14.26	180	731	Below Cal		76

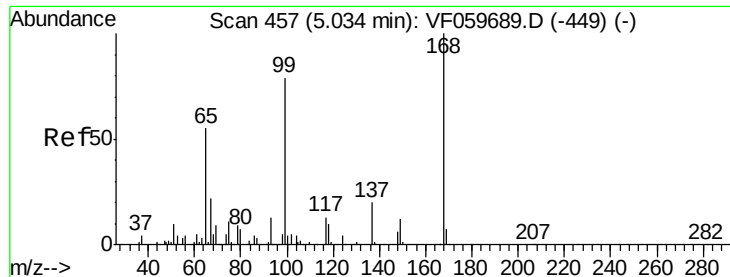
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059822.D

Acq: 3 Aug 2018 3:03

Instrument :

MSVOA_F

ClientSampleId :

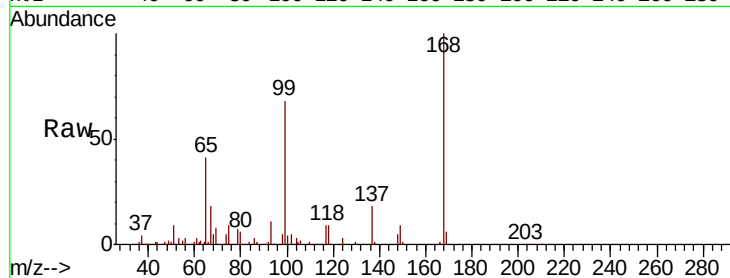
VF0802SBL02

Tot Ion:168 Resp: 188341

Ion Ratio Lower Upper

168 100

99 67.7 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

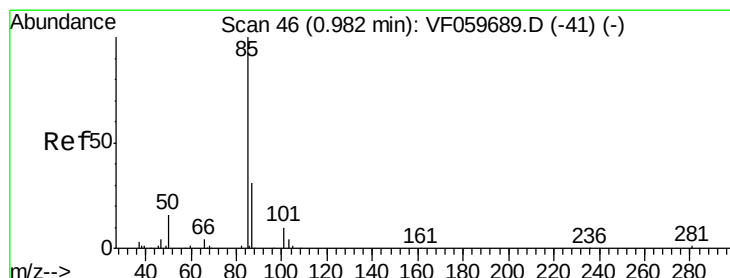
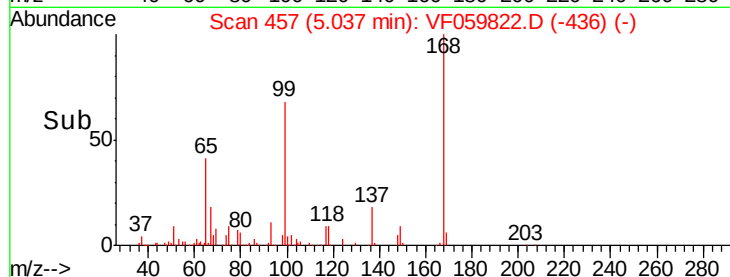
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.97 min Scan# 44

Delta R.T. -0.02 min

Lab File: VF059822.D

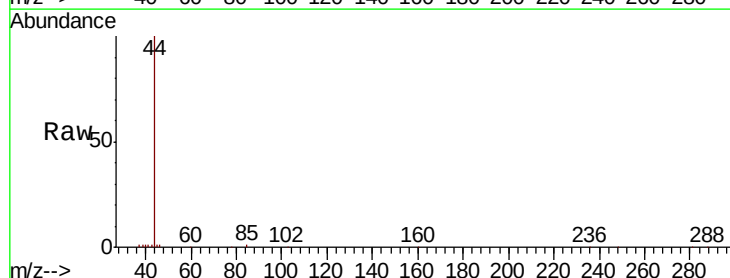
Acq: 3 Aug 2018 3:03

Tgt Ion: 85 Resp: 478

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

0.97

250

200

150

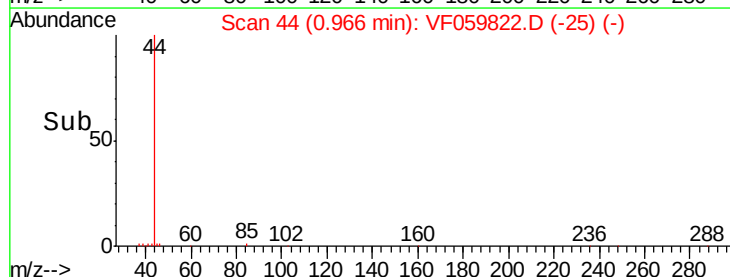
100

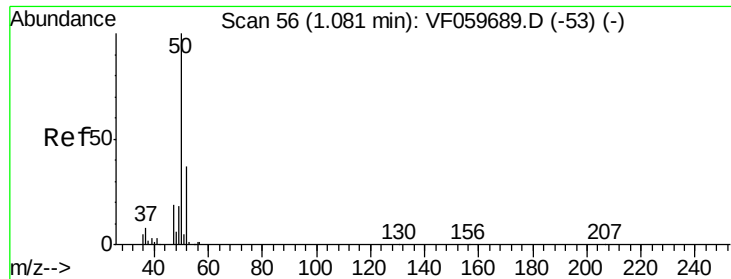
50

0

0.95 1.00 1.05

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059822.D

Acq: 3 Aug 2018 3:03

Instrument :

MSVOA_F

ClientSampleId :

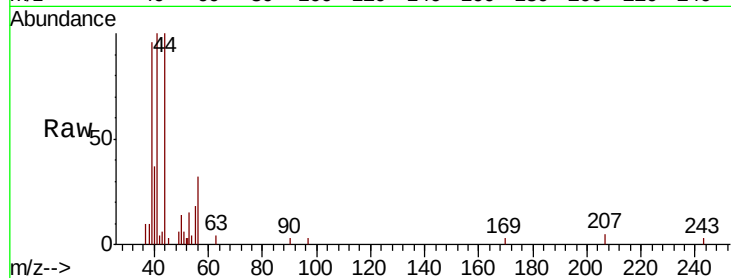
VF0802SBL02

Tot Ion: 50 Resp: 1106

Ion Ratio Lower Upper

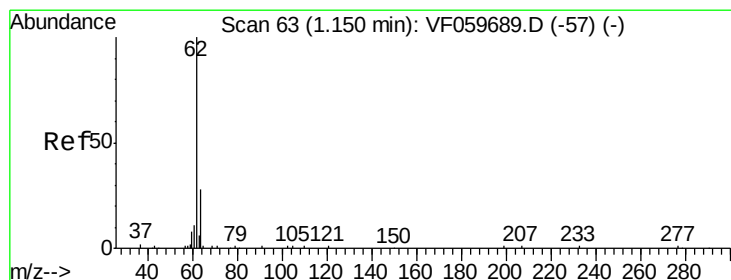
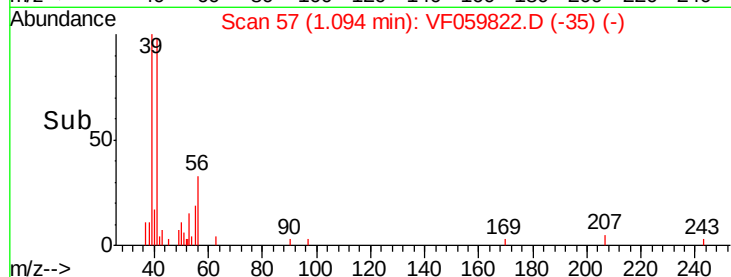
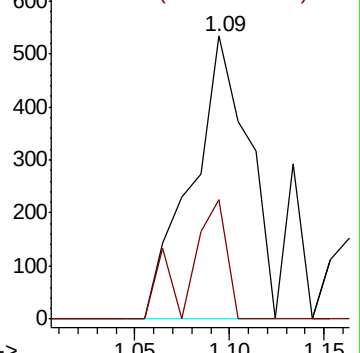
50 100

52 42.2 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: 1.11 min Scan# 59

Delta R.T. -0.03 min

Lab File: VF059822.D

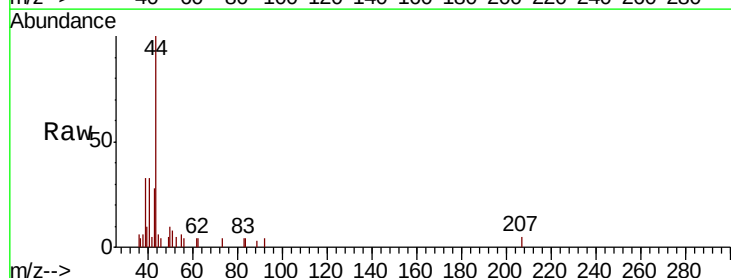
Acq: 3 Aug 2018 3:03

Tgt Ion: 62 Resp: 138

Ion Ratio Lower Upper

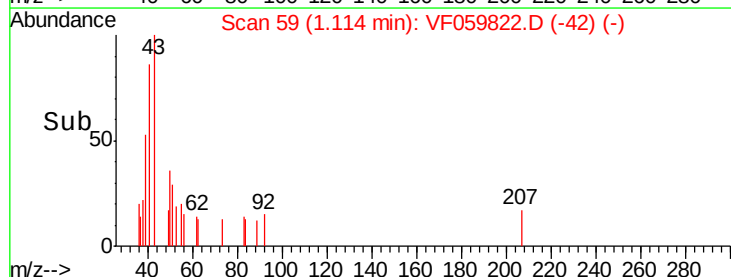
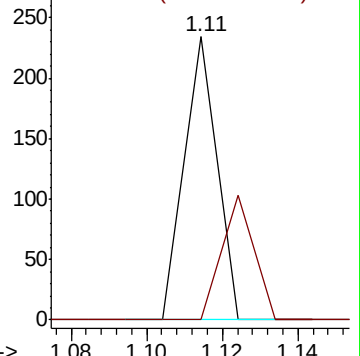
62 100

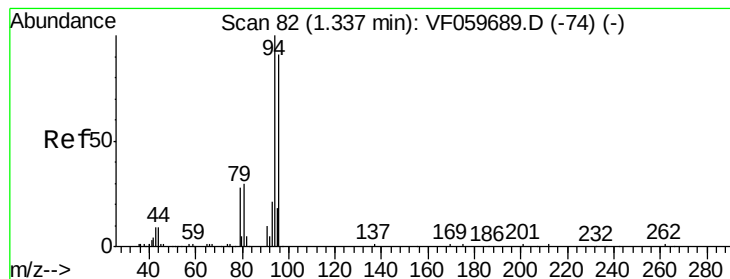
64 0.0 22.6 33.8#



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: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059822.D

Acq: 3 Aug 2018 3:03

Instrument :

MSVOA_F

ClientSampleId :

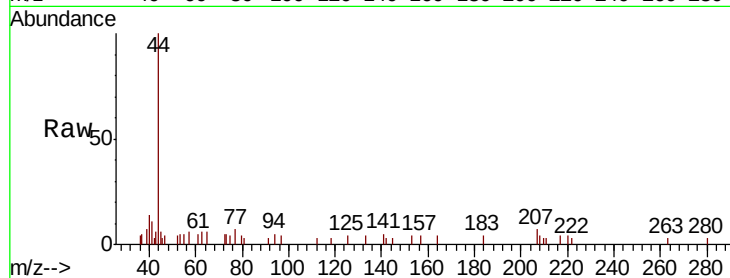
VF0802SBL02

Tot Ion: 94 Resp: 287

Ion Ratio Lower Upper

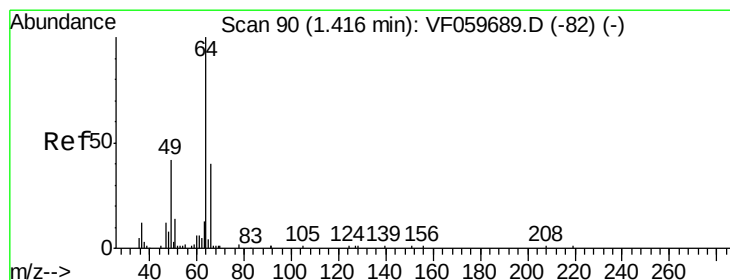
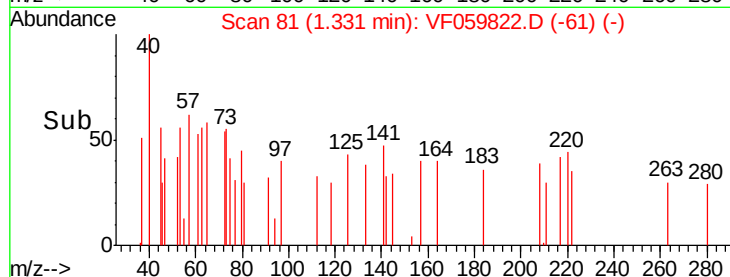
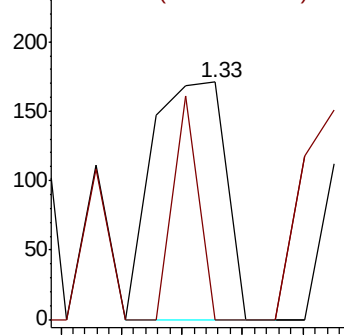
94 100

96 79.5 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: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059822.D

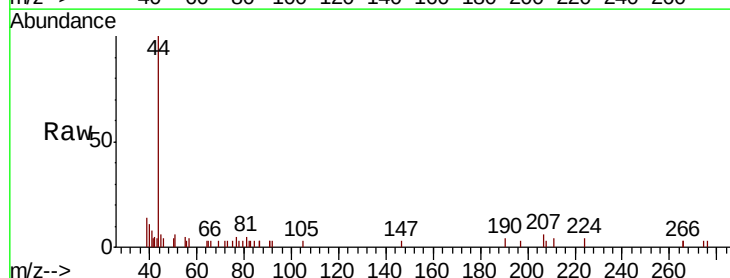
Acq: 3 Aug 2018 3:03

Tgt Ion: 64 Resp: 65

Ion Ratio Lower Upper

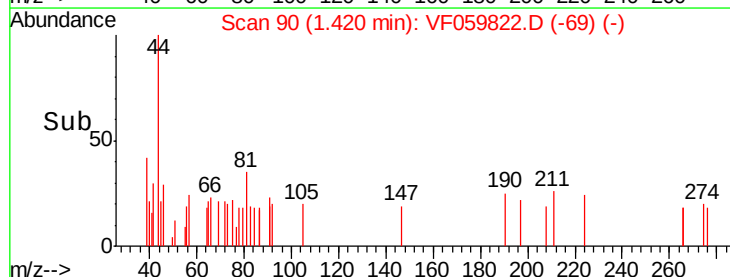
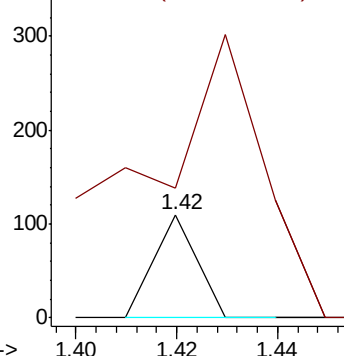
64 100

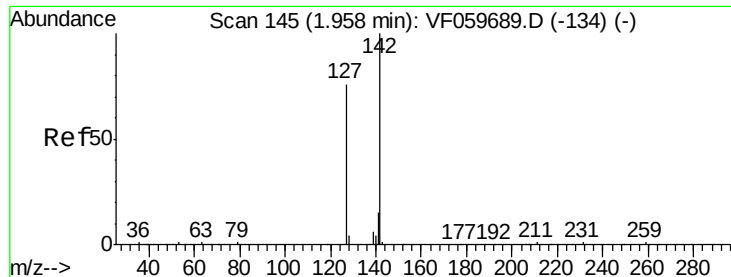
66 126.4 32.6 49.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

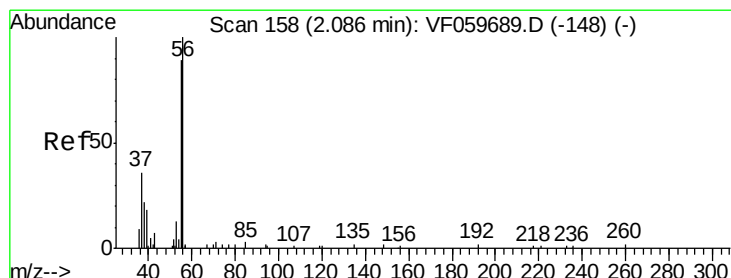
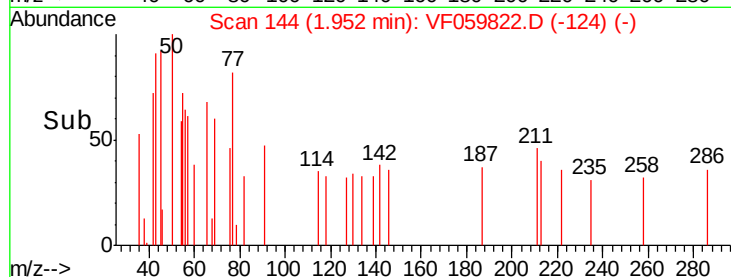
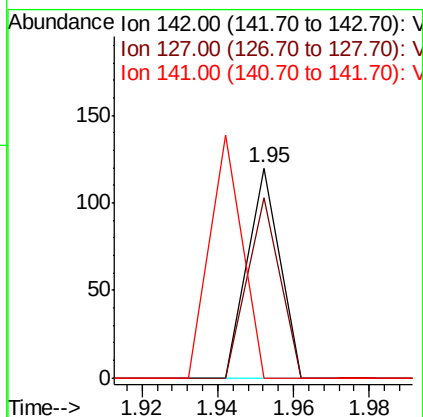
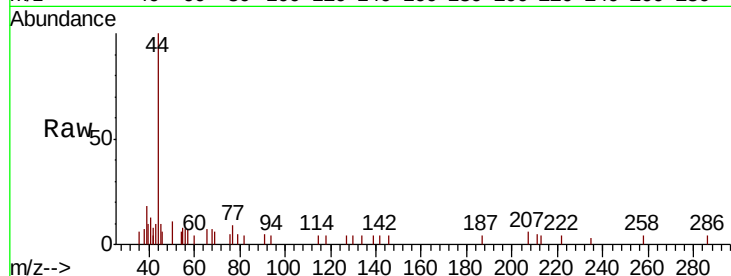




#10
Methyl Iodide
Concen: Below Cal
RT: 1.95 min Scan# 144
Delta R.T. -0.01 min
Lab File: VF059822.D
Acq: 3 Aug 2018 3:03

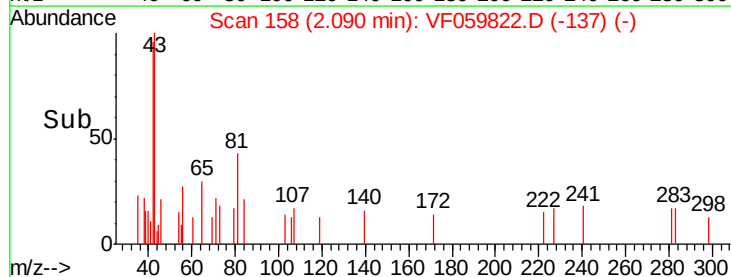
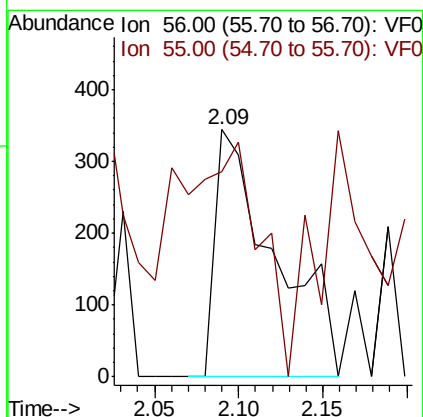
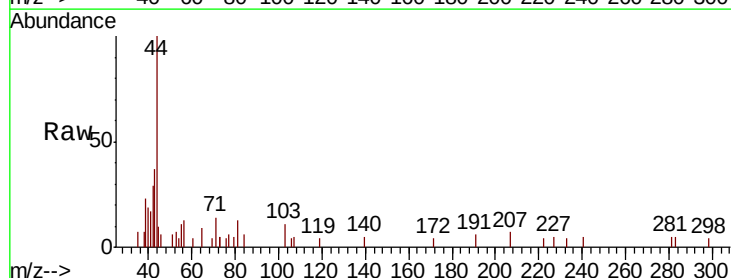
Instrument :
MSVOA_F
ClientSampleId :
VF0802SBL02

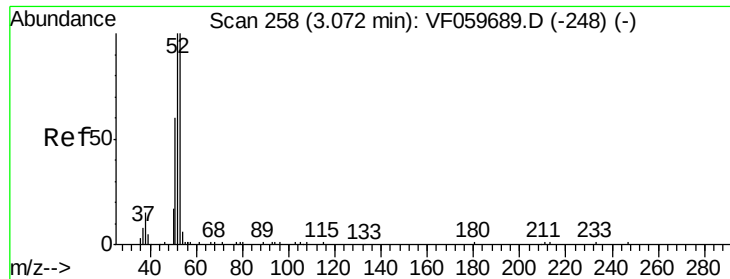
Tot Ion:142 Resp: 71
Ion Ratio Lower Upper
142 100
127 85.8 60.6 91.0
141 0.0 12.0 18.0#



#13
Acrolein
Concen: 27.086 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF059822.D
Acq: 3 Aug 2018 3:03

Tgt Ion: 56 Resp: 842
Ion Ratio Lower Upper
56 100
55 83.1 73.2 109.8





#15

Acrylonitrile

Concen: 3.235 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.02 min

Lab File: VF059822.D

Acq: 3 Aug 2018 3:03

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBL02

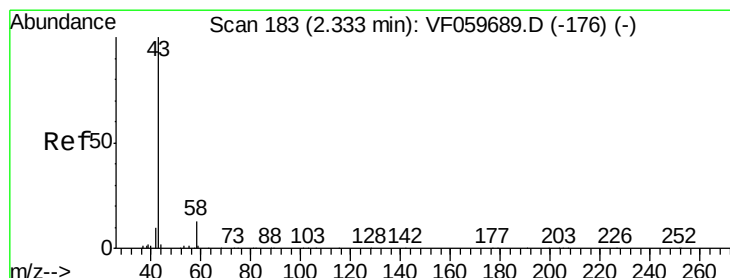
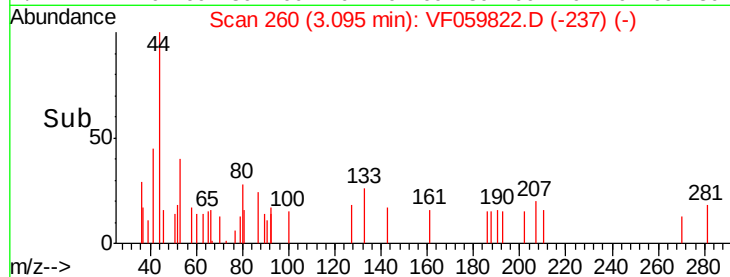
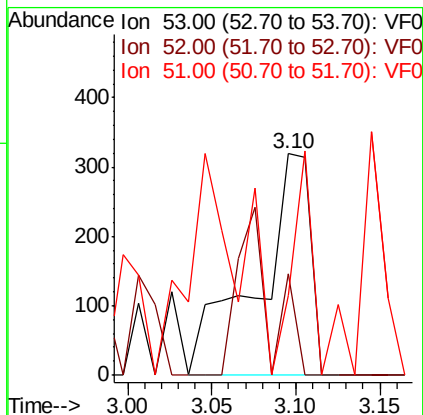
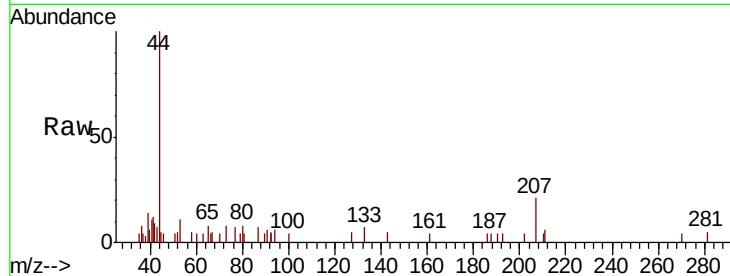
Tot Ion: 53 Resp: 694

Ion Ratio Lower Upper

53 100

52 45.8 80.3 120.5#

51 35.7 49.4 74.0#



#16

Acetone

Concen: 6.151 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059822.D

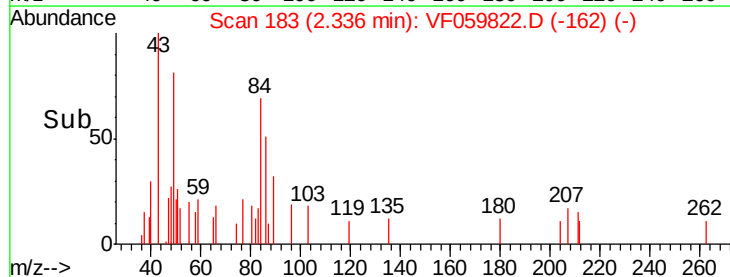
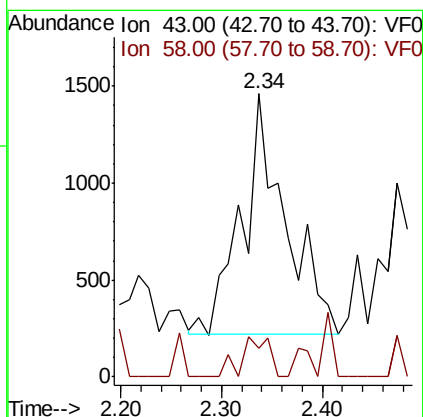
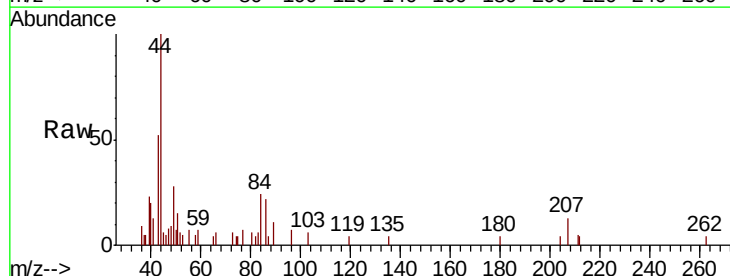
Acq: 3 Aug 2018 3:03

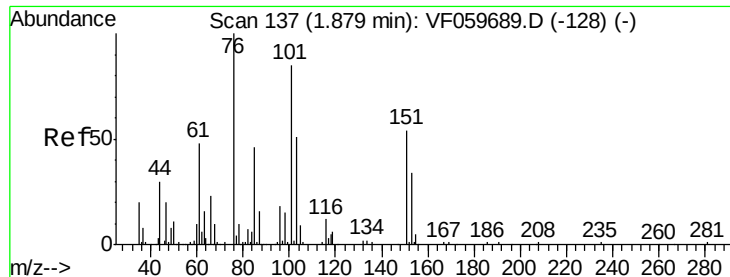
Tgt Ion: 43 Resp: 3745

Ion Ratio Lower Upper

43 100

58 10.2 10.1 15.1

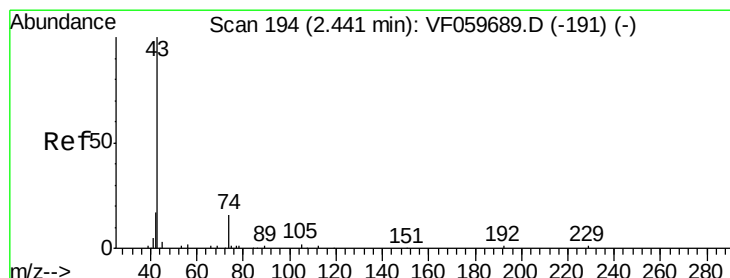
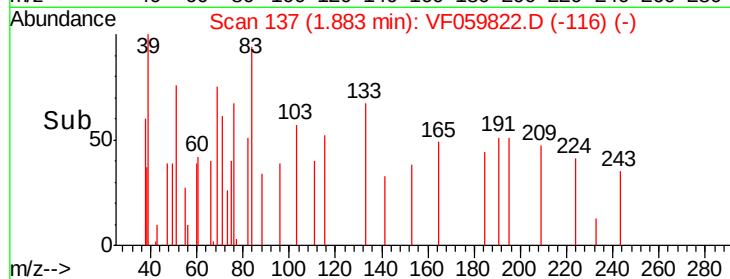
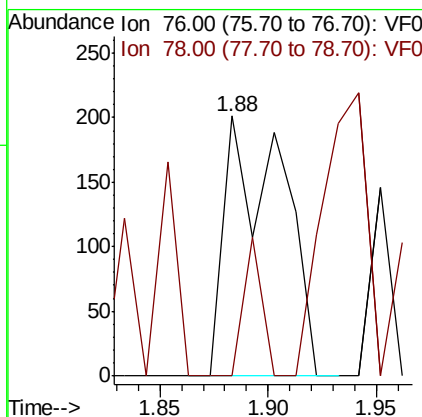
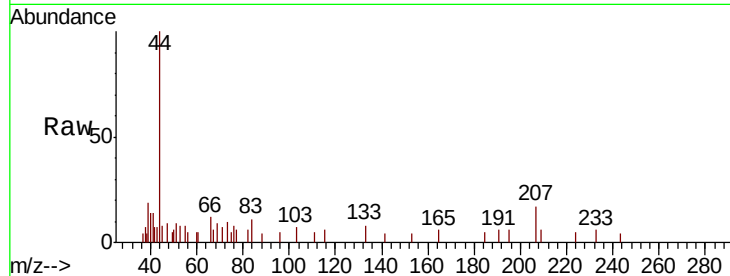




#17
Carbon Disulfide
Concen: Below Cal
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF059822.D
Acq: 3 Aug 2018 3:03

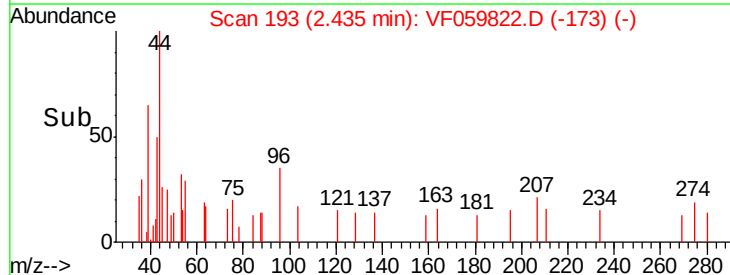
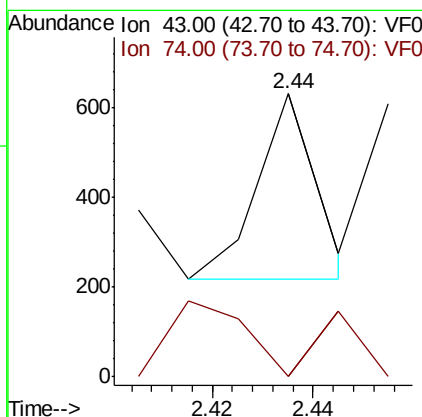
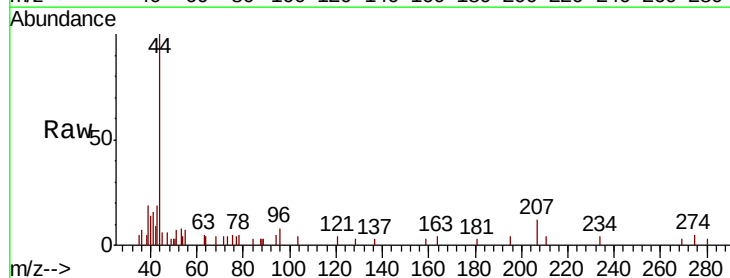
Instrument :
MSVOA_F
ClientSampleId :
VF0802SBL02

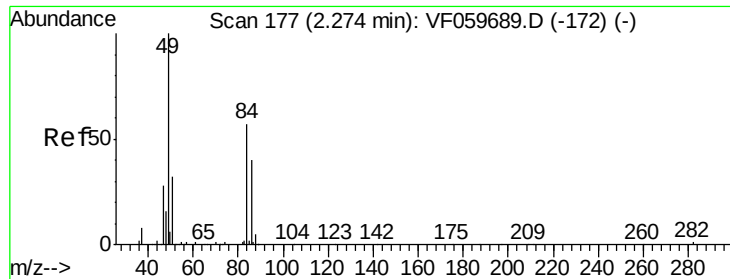
Tot Ion: 76 Resp: 369
Ion Ratio Lower Upper
76 100
78 0.0 8.9 13.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.44 min Scan# 193
Delta R.T. -0.01 min
Lab File: VF059822.D
Acq: 3 Aug 2018 3:03

Tgt Ion: 43 Resp: 330
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#

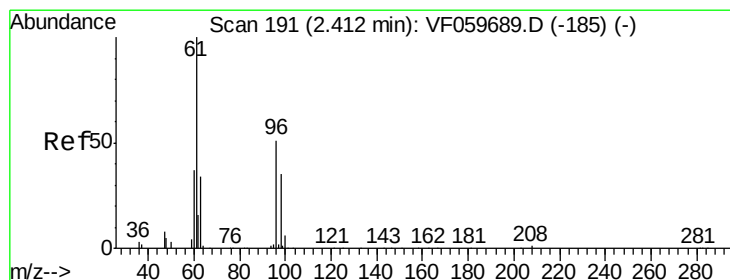
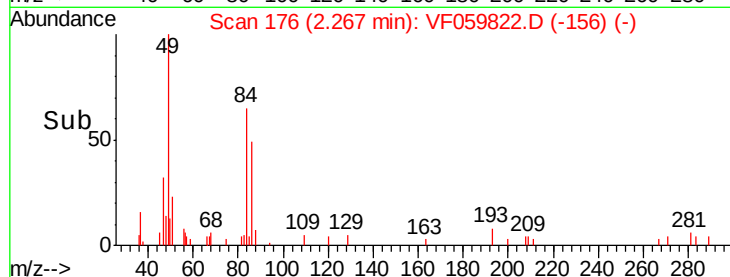
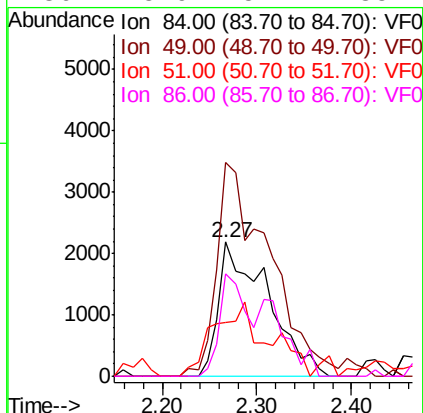
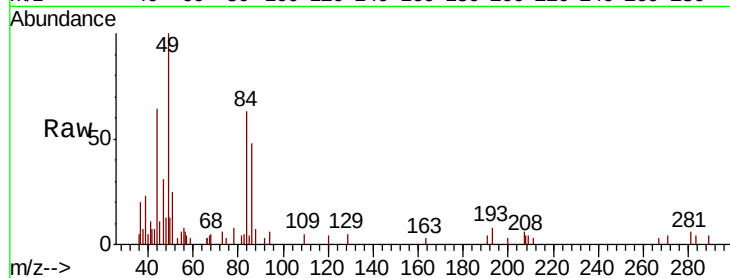




#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 176
Delta R.T. -0.01 min
Lab File: VF059822.D
Acq: 3 Aug 2018 3:03

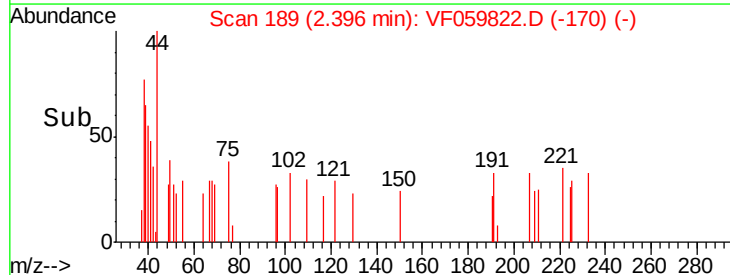
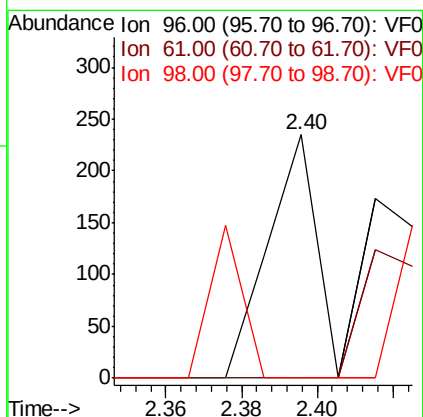
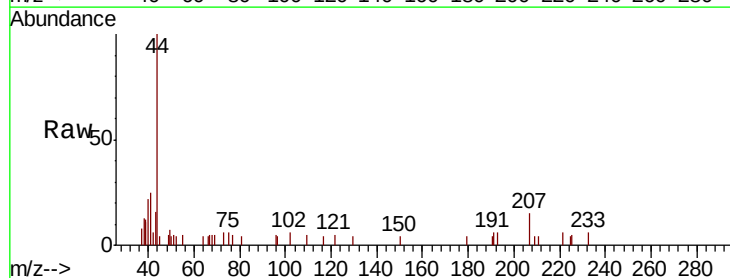
Instrument :
MSVOA_F
ClientSampleId :
VF0802SBL02

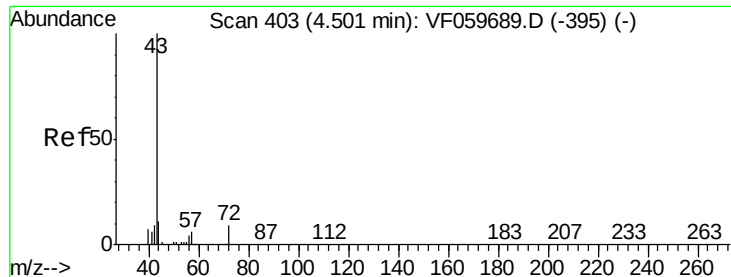
Tot Ion: 84 Resp: 7898
Ion Ratio Lower Upper
84 100
49 159.1 142.2 213.4
51 40.3 46.2 69.2#
86 75.9 57.1 85.7



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 2.40 min Scan# 189
Delta R.T. -0.02 min
Lab File: VF059822.D
Acq: 3 Aug 2018 3:03

Tgt Ion: 96 Resp: 209
Ion Ratio Lower Upper
96 100
61 0.0 157.4 236.0#
98 0.0 55.0 82.4#





#25

2-Butanone

Concen: 1.279 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059822.D

Acq: 3 Aug 2018 3:03

Instrument :

MSVOA_F

ClientSampleId :

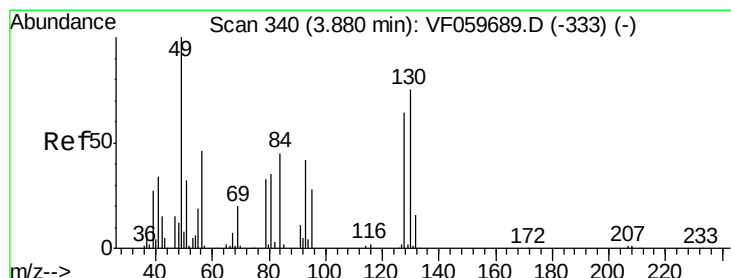
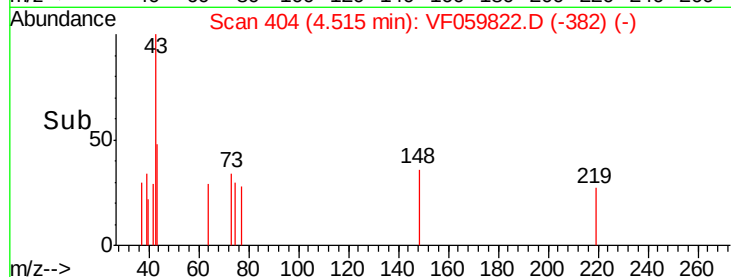
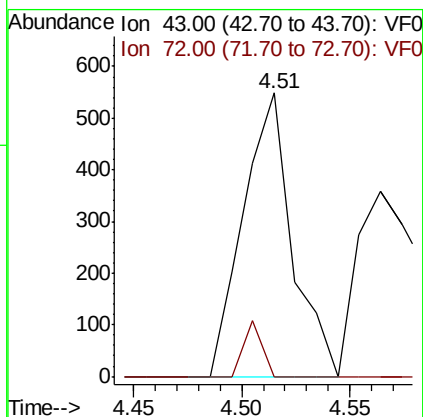
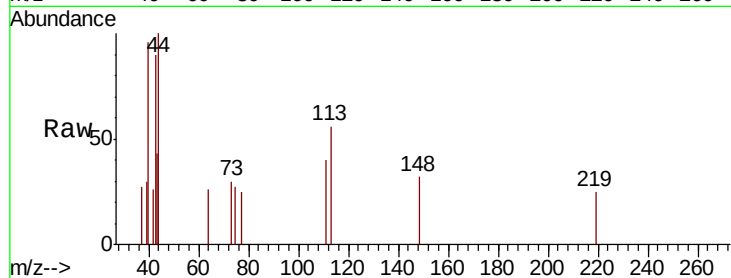
VF0802SBL02

Tot Ion: 43 Resp: 869

Ion Ratio Lower Upper

43 100

72 0.0 7.7 11.5#



#28

Bromochloromethane

Concen: Below Cal

RT: 3.86 min Scan# 338

Delta R.T. -0.02 min

Lab File: VF059822.D

Acq: 3 Aug 2018 3:03

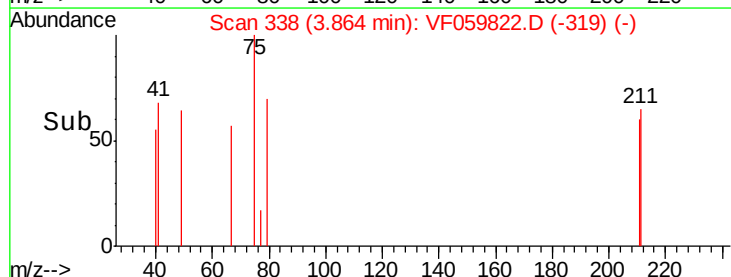
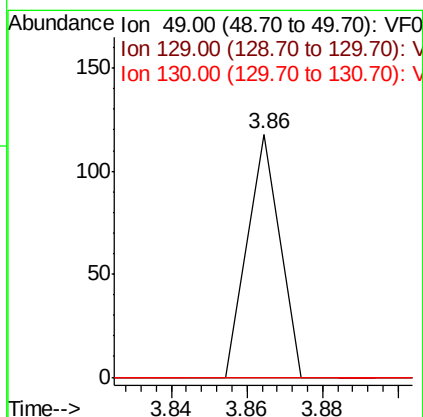
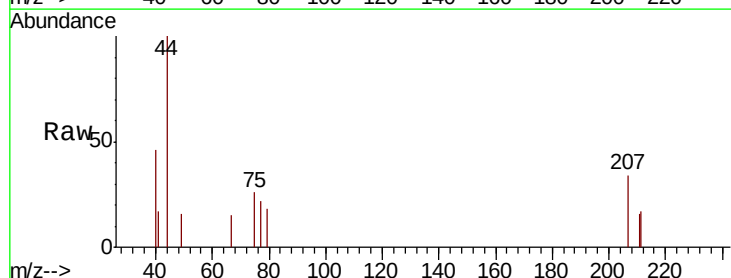
Tgt Ion: 49 Resp: 70

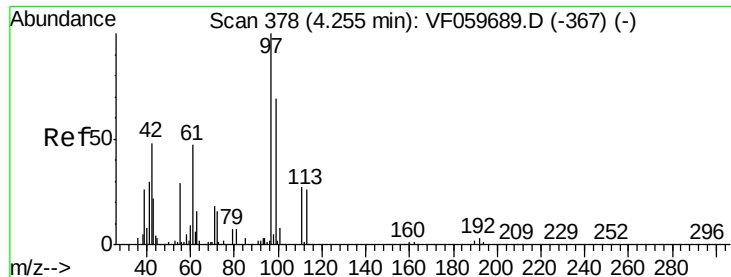
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

130 0.0 59.6 89.4#





#29

Tetrahydrofuran

Concen: 2.478 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.02 min

Lab File: VF059822.D

Acq: 3 Aug 2018 3:03

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBL02

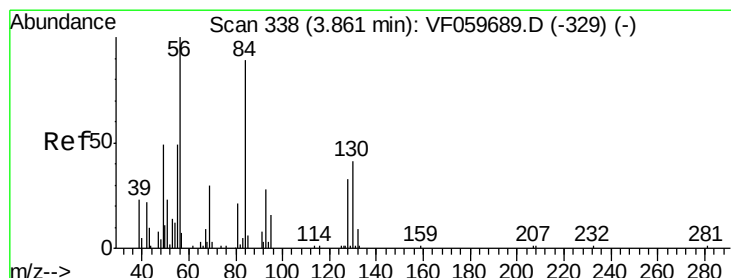
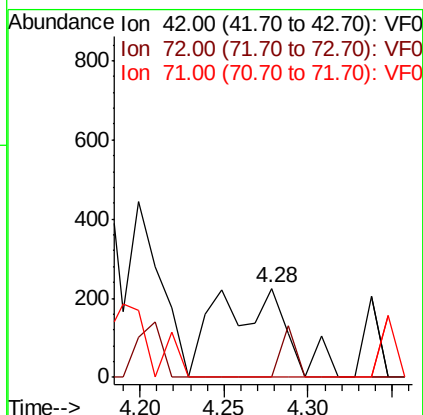
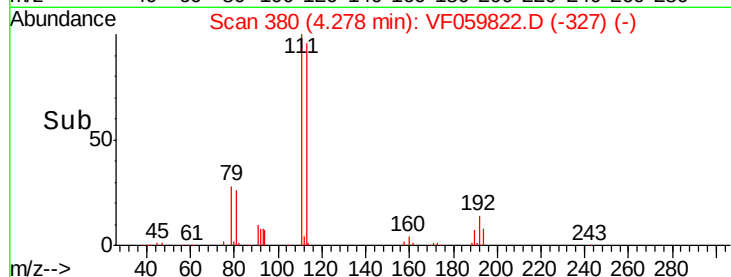
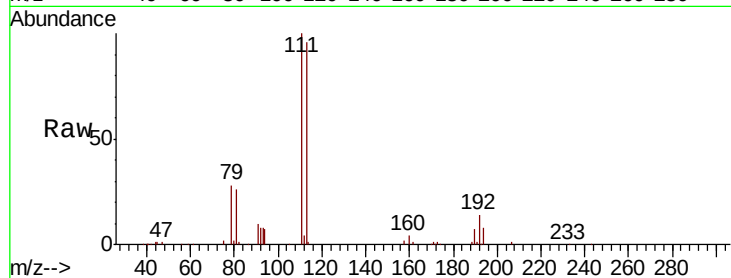
Tot Ion: 42 Resp: 647

Ion Ratio Lower Upper

42 100

72 11.9 27.0 40.6#

71 0.0 29.7 44.5#



#31

Cyclohexane

Concen: Below Cal

RT: 3.89 min Scan# 341

Delta R.T. 0.03 min

Lab File: VF059822.D

Acq: 3 Aug 2018 3:03

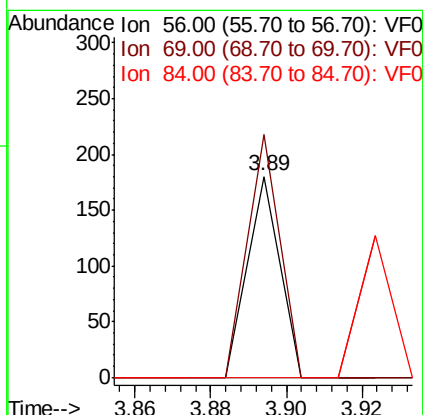
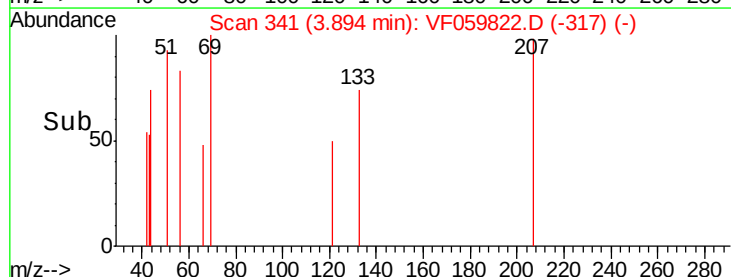
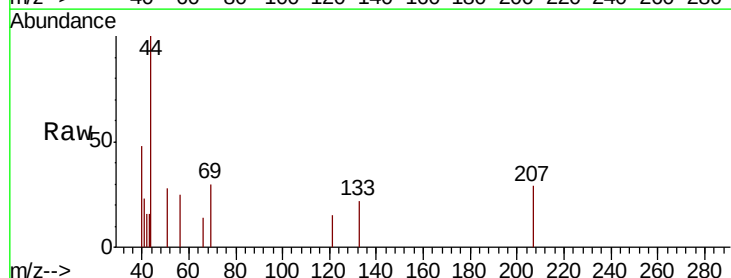
Tgt Ion: 56 Resp: 106

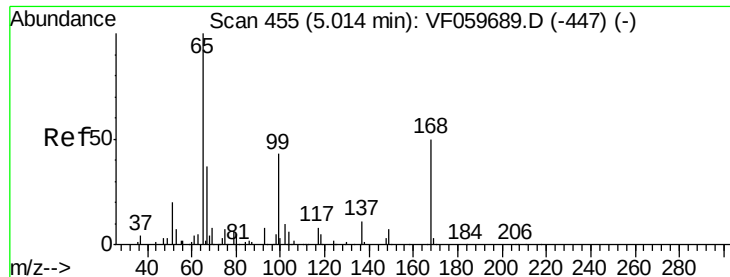
Ion Ratio Lower Upper

56 100

69 121.1 23.7 35.5#

84 0.0 71.1 106.7#

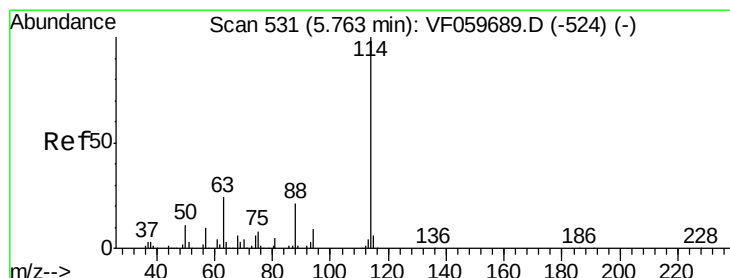
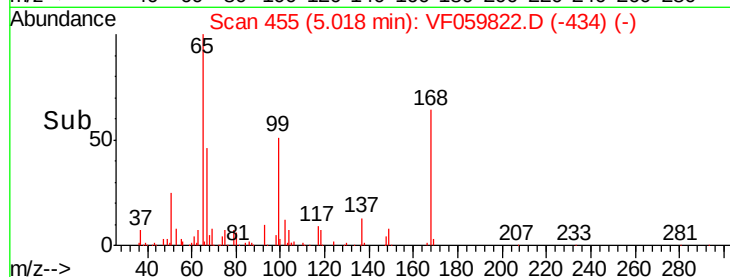
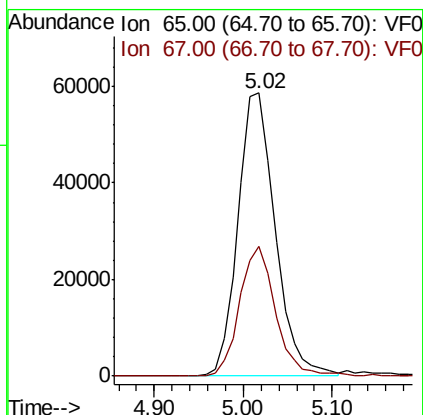
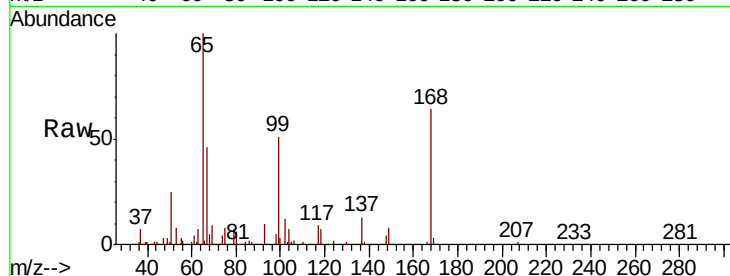




#33
 1,2-Dichloroethane-d4
 Concen: 50.363 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059822.D
 Acq: 3 Aug 2018 3:03

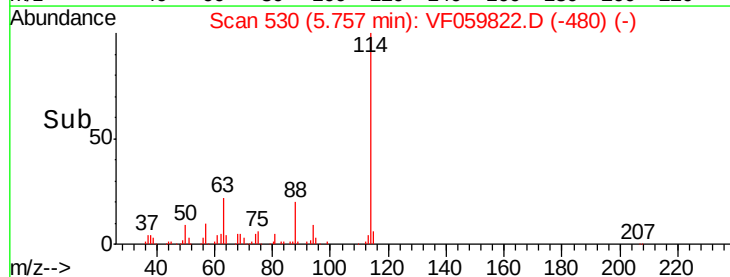
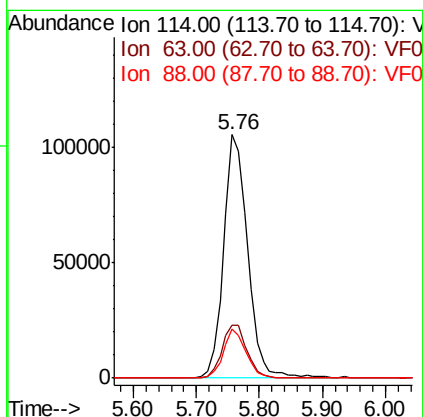
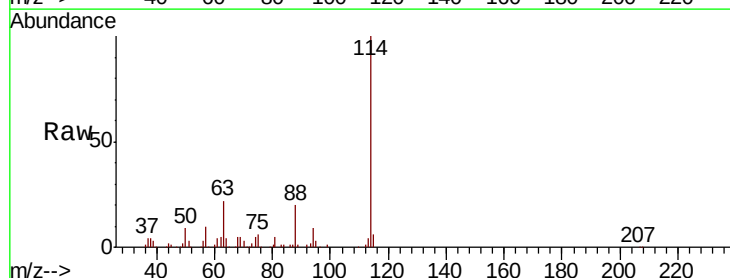
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBL02

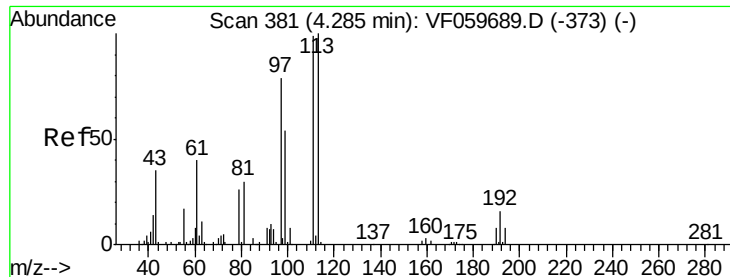
Tot Ion: 65 Resp: 170470
 Ion Ratio Lower Upper
 65 100
 67 45.7 0.0 84.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059822.D
 Acq: 3 Aug 2018 3:03

Tgt Ion: 114 Resp: 279292
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 47.4
 88 19.9 0.0 41.2





#35

Dibromofluoromethane

Concen: 50.973 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059822.D

Acq: 3 Aug 2018 3:03

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBL02

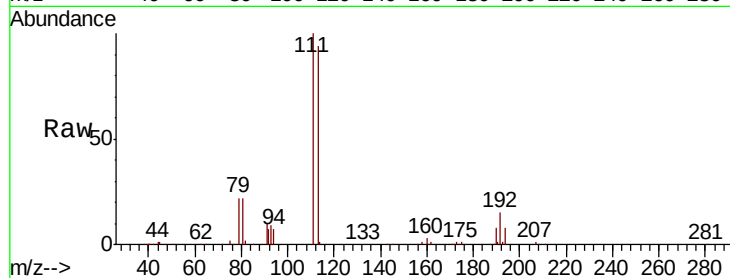
Tot Ion:113 Resp: 147866

Ion Ratio Lower Upper

113 100

111 106.0 79.0 118.4

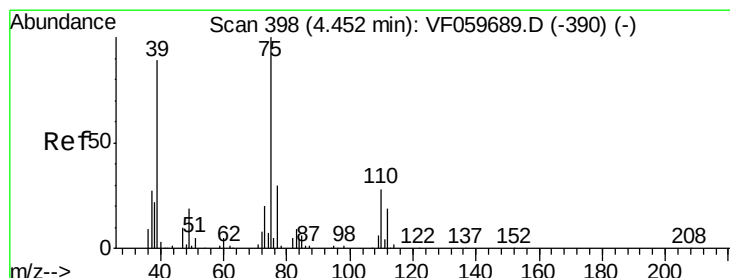
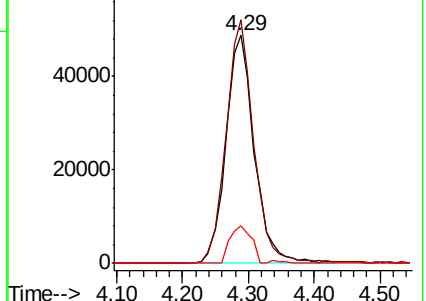
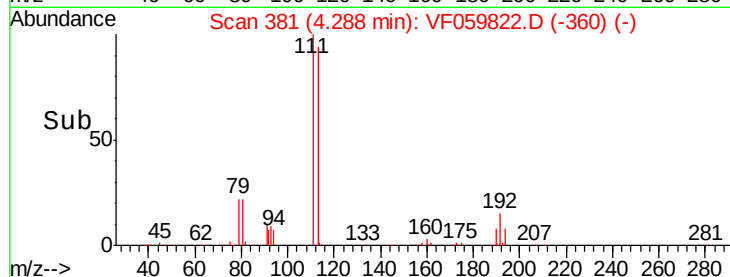
192 16.1 13.2 19.8



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: 4.44 min Scan# 396

Delta R.T. -0.02 min

Lab File: VF059822.D

Acq: 3 Aug 2018 3:03

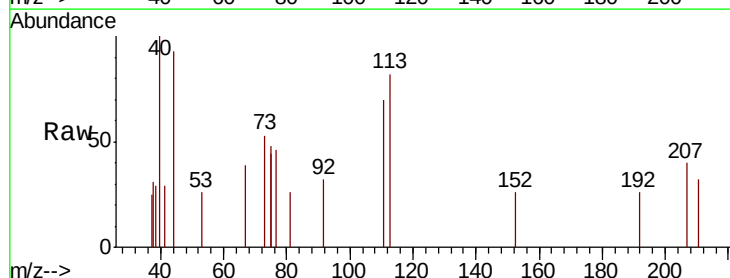
Tgt Ion: 75 Resp: 861

Ion Ratio Lower Upper

75 100

110 0.0 14.0 41.9#

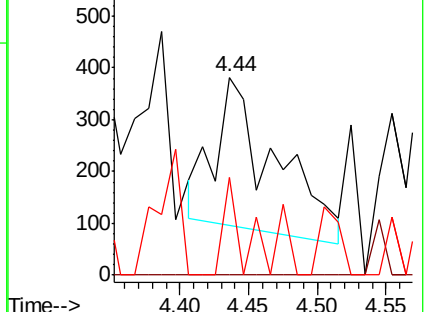
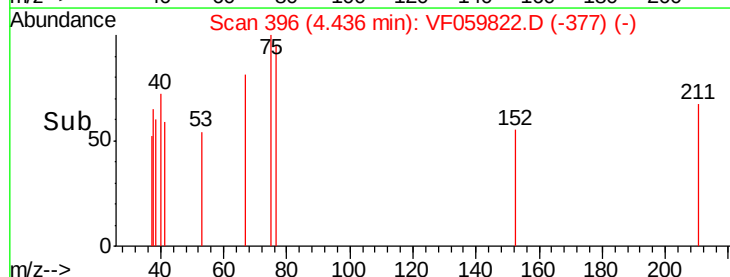
77 49.5 24.2 36.2#

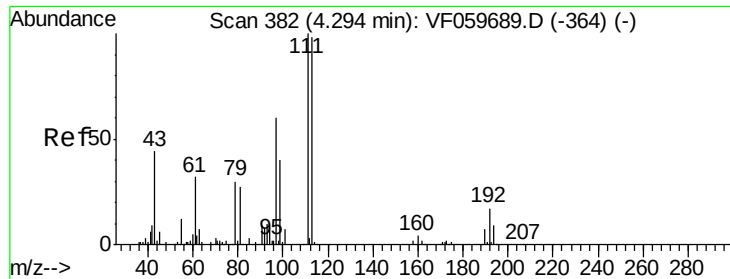


Abundance Ion 75.00 (74.70 to 75.70): VF0

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: 4.35 min Scan# 387

Delta R.T. 0.05 min

Lab File: VF059822.D

Acq: 3 Aug 2018 3:03

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBL02

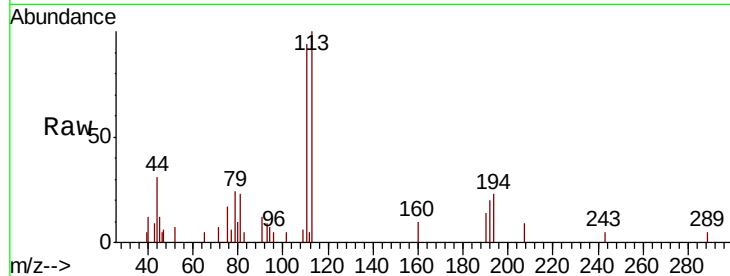
Tot Ion: 43 Resp: 171

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

250

200

150

100

50

0

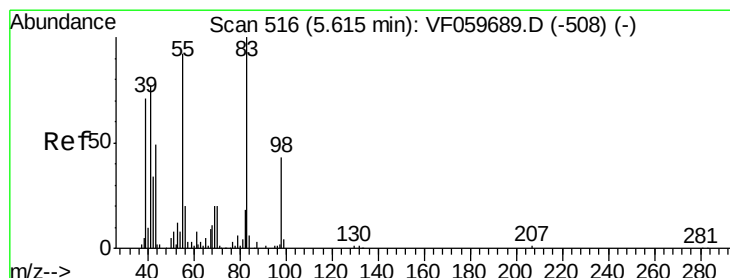
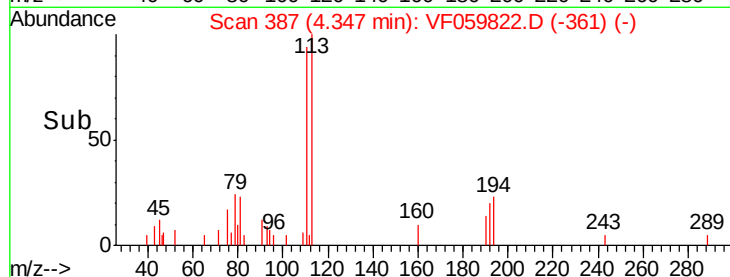
4.32

4.34

4.36

4.38

Time-->



#39

Methylcyclohexane

Concen: Below Cal

RT: 5.75 min Scan# 529

Delta R.T. 0.13 min

Lab File: VF059822.D

Acq: 3 Aug 2018 3:03

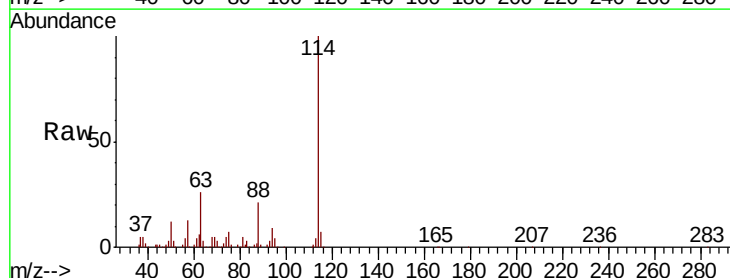
Tgt Ion: 83 Resp: 3569

Ion Ratio Lower Upper

83 100

55 26.3 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

2500

2000

1500

1000

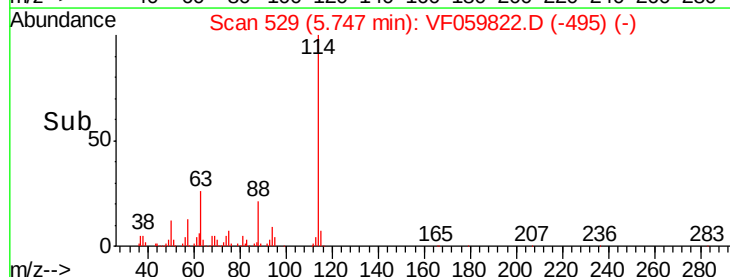
500

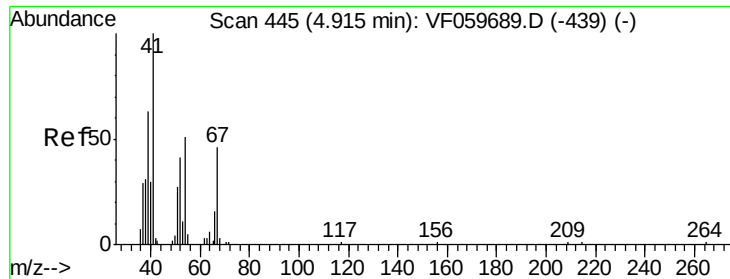
0

5.70

5.75

Time-->

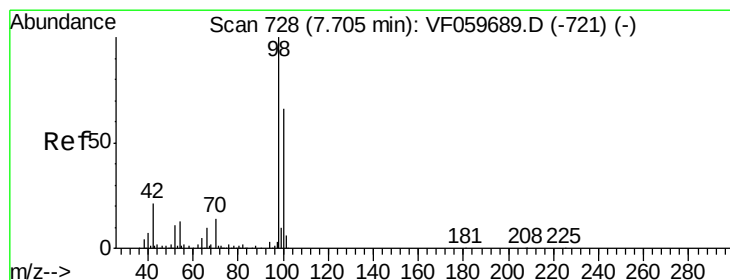
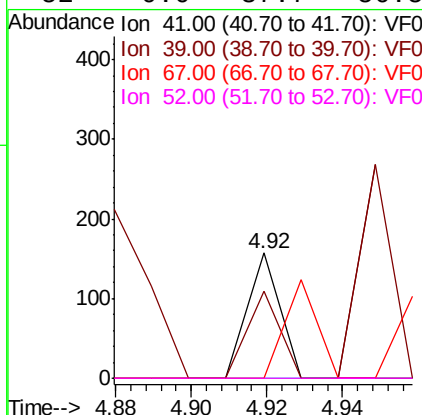
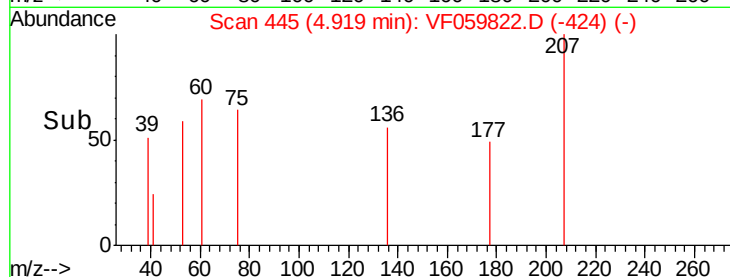
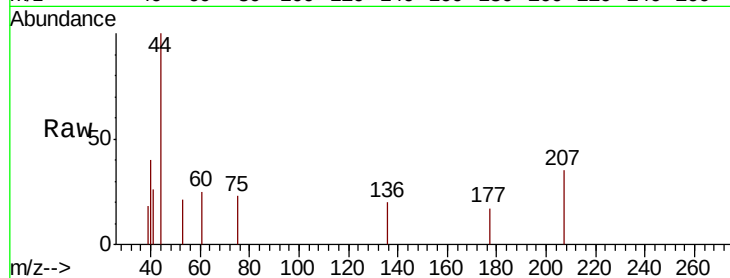




#41
Methacrylonitrile
Concen: Below Cal
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059822.D
Acq: 3 Aug 2018 3:03

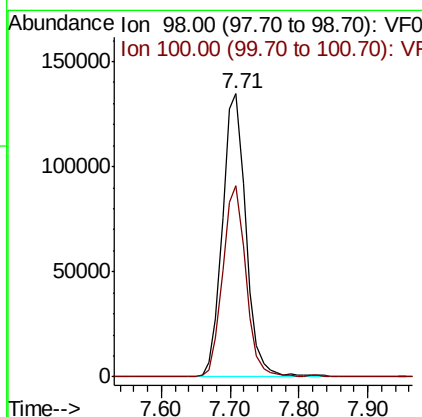
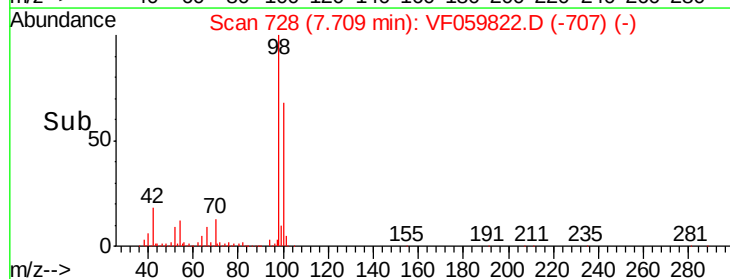
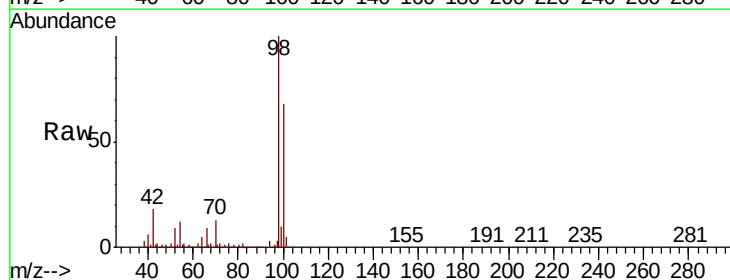
Instrument :
MSVOA_F
ClientSampleId :
VF0802SBL02

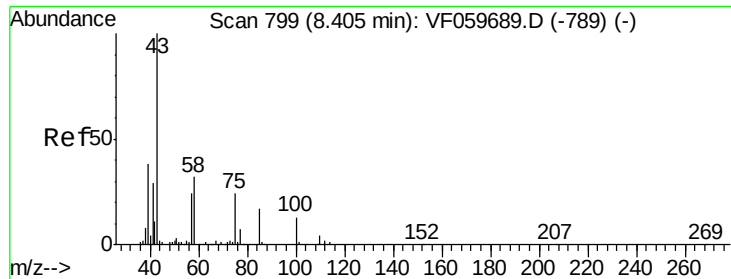
Tot Ion:	41	Resp:	93
Ion	Ratio	Lower	Upper
41	100		
39	69.4	55.2	82.8
67	0.0	36.2	54.2#
52	0.0	37.7	56.5#



#50
Toluene-d8
Concen: 47.155 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059822.D
Acq: 3 Aug 2018 3:03

Tgt Ion:	98	Resp:	318992
Ion	Ratio	Lower	Upper
98	100		
100	67.6	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 1.418 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059822.D

Acq: 3 Aug 2018 3:03

Instrument :

MSVOA_F

ClientSampleId :

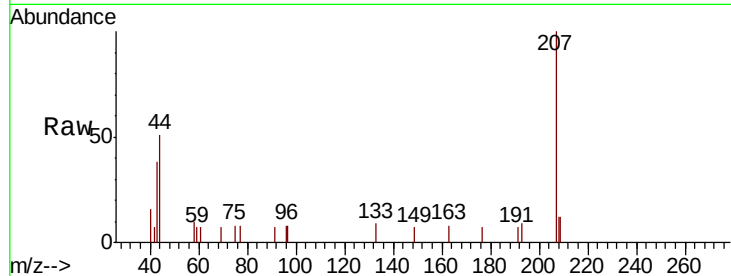
VF0802SBL02

Tot Ion: 43 Resp: 1801

Ion Ratio Lower Upper

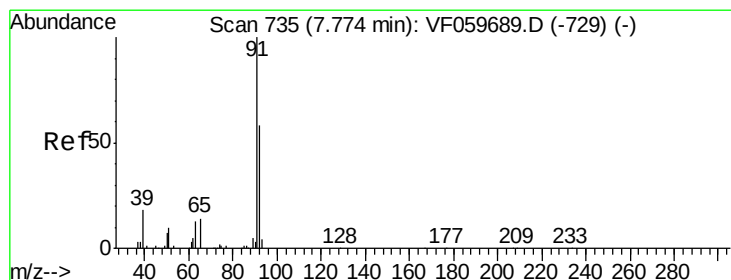
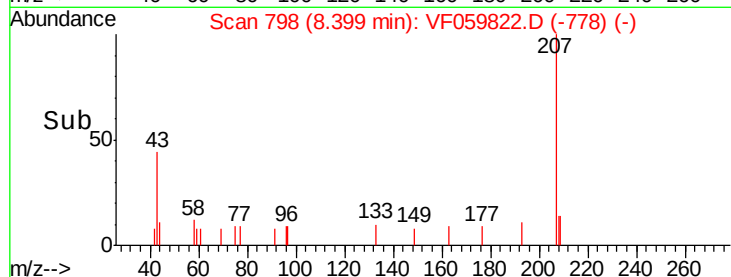
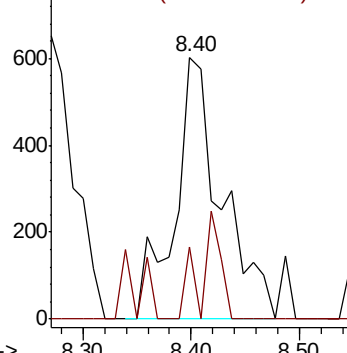
43 100

58 27.7 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: Below Cal

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059822.D

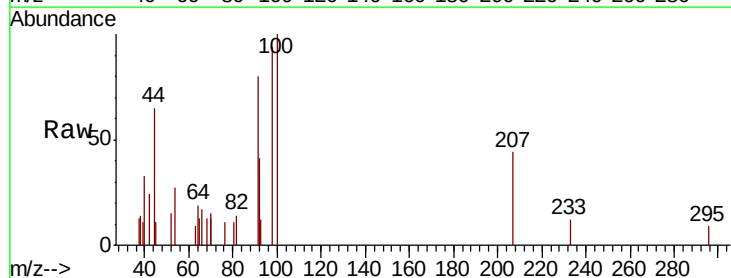
Acq: 3 Aug 2018 3:03

Tgt Ion: 92 Resp: 1102

Ion Ratio Lower Upper

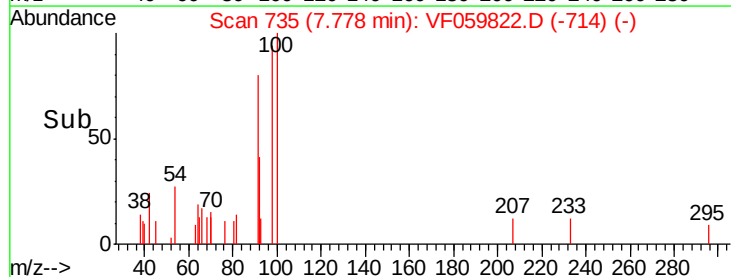
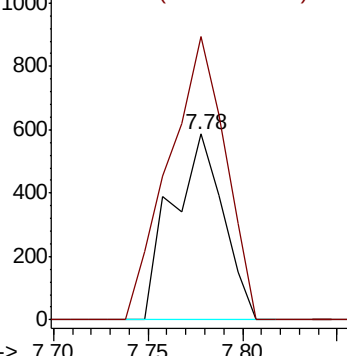
92 100

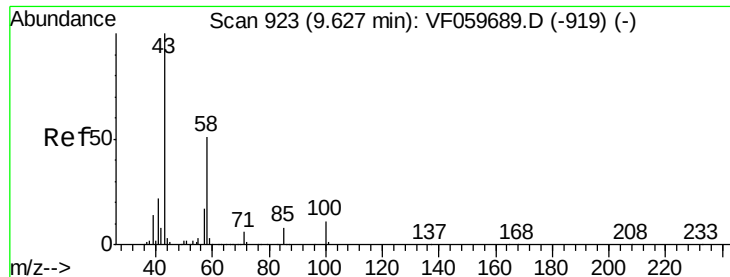
91 152.4 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

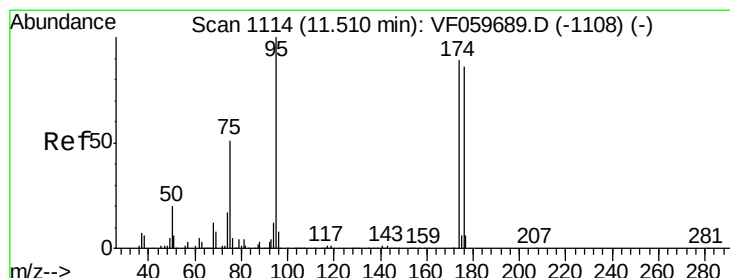
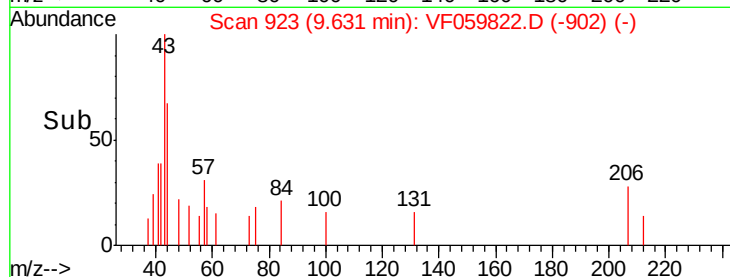
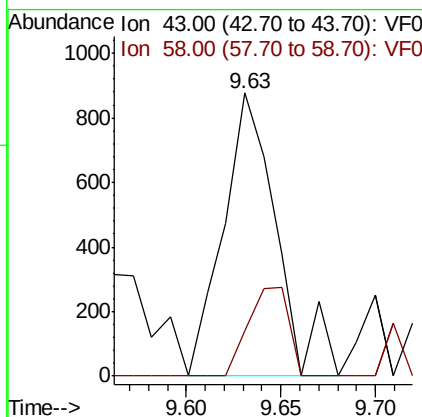
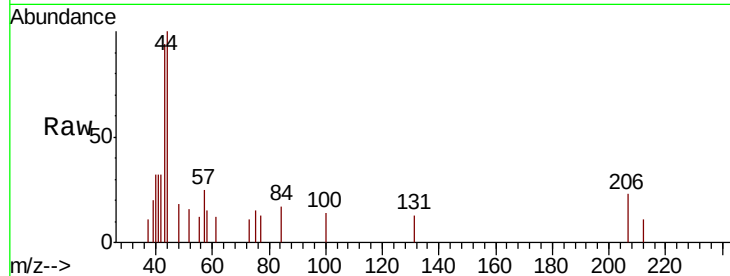




#59
2-Hexanone
Concen: 1.685 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059822.D
Acq: 3 Aug 2018 3:03

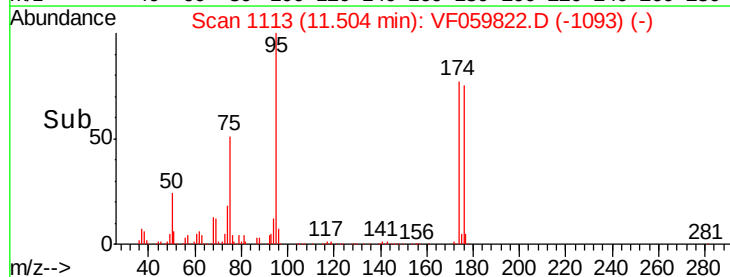
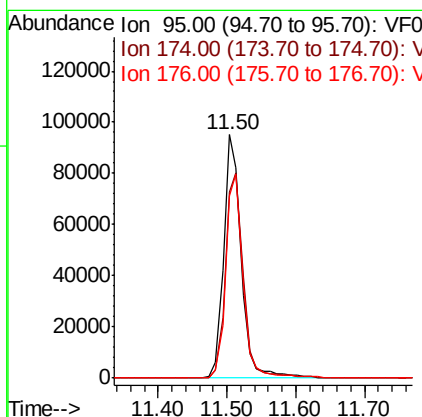
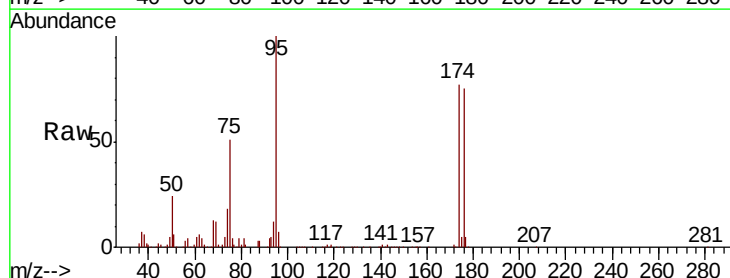
Instrument :
MSVOA_F
ClientSampleId :
VF0802SBL02

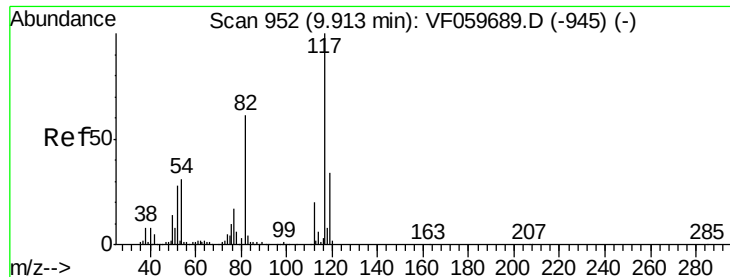
Tot Ion: 43 Resp: 1715
Ion Ratio Lower Upper
43 100
58 16.2 23.3 69.8#



#62
4-Bromofluorobenzene
Concen: 44.840 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059822.D
Acq: 3 Aug 2018 3:03

Tgt Ion: 95 Resp: 167924
Ion Ratio Lower Upper
95 100
174 76.6 0.0 178.4
176 74.9 0.0 173.0

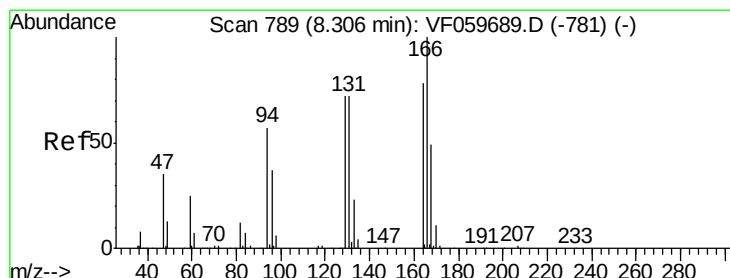
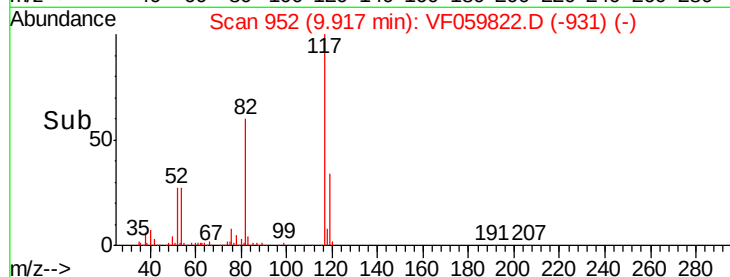
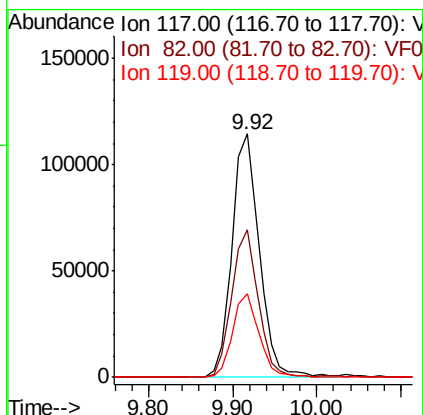
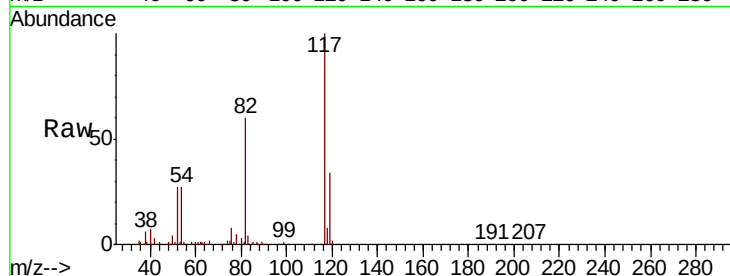




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059822.D
Acq: 3 Aug 2018 3:03

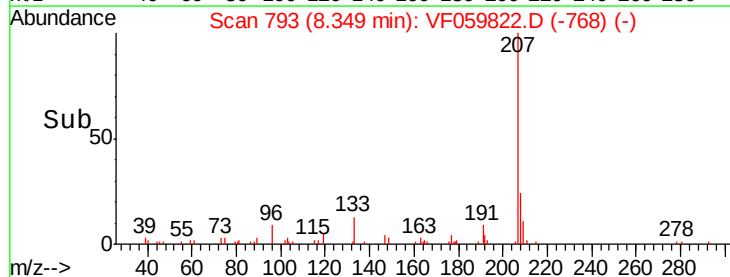
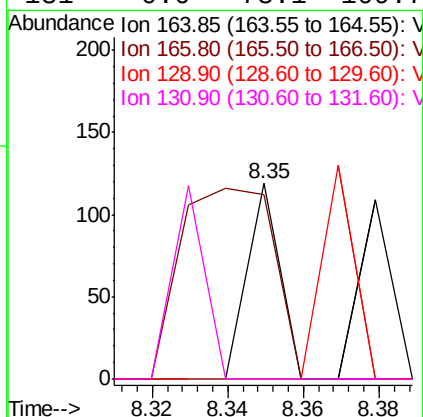
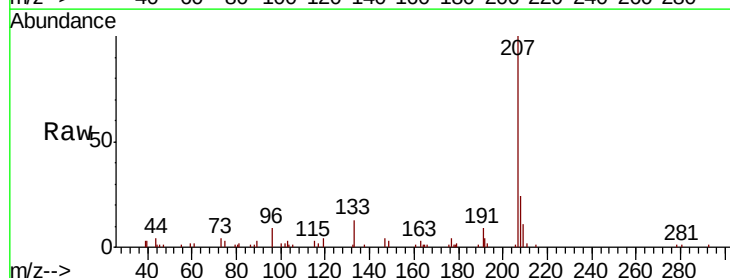
Instrument :
MSVOA_F
ClientSampleId :
VF0802SBL02

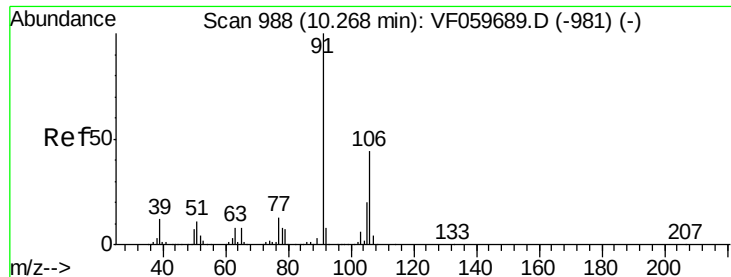
Tot Ion:117 Resp: 259205
Ion Ratio Lower Upper
117 100
82 60.5 49.0 73.4
119 34.2 27.3 40.9



#64
Tetrachloroethene
Concen: Below Cal
RT: 8.35 min Scan# 793
Delta R.T. 0.04 min
Lab File: VF059822.D
Acq: 3 Aug 2018 3:03

Tgt Ion:164 Resp: 70
Ion Ratio Lower Upper
164 100
166 94.1 102.1 153.1#
129 0.0 73.8 110.6#
131 0.0 73.1 109.7#

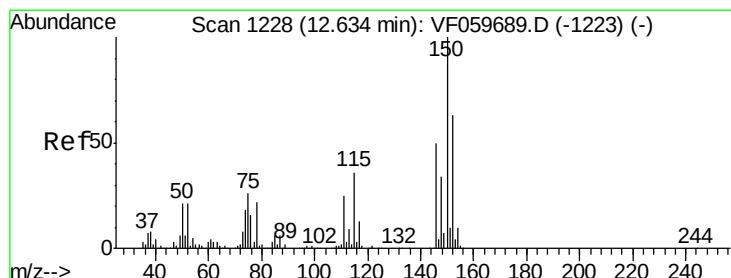
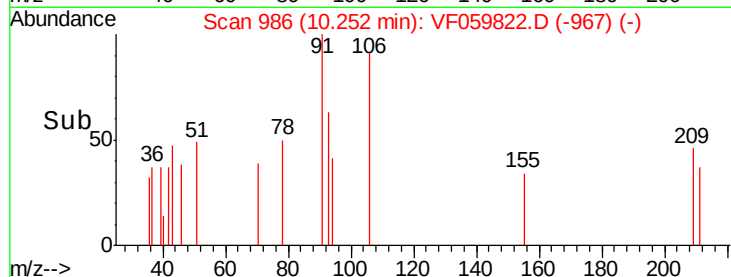
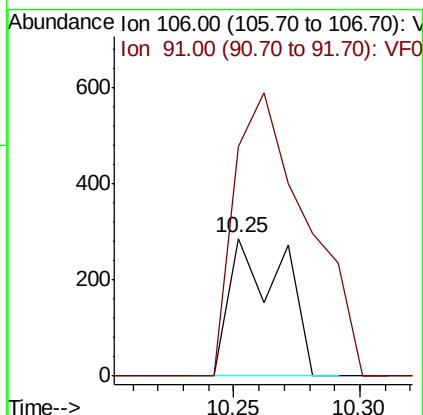
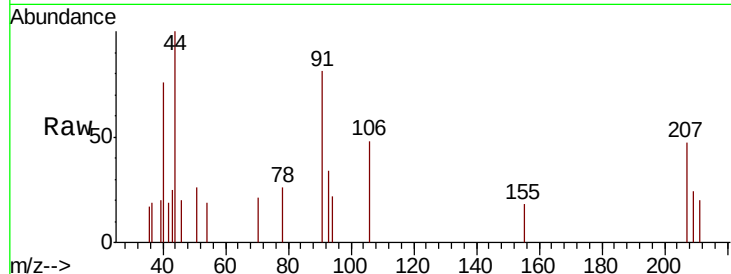




#68
m/p-Xylenes
Concen: Below Cal
RT: 10.25 min Scan# 986
Delta R.T. -0.02 min
Lab File: VF059822.D
Acq: 3 Aug 2018 3:03

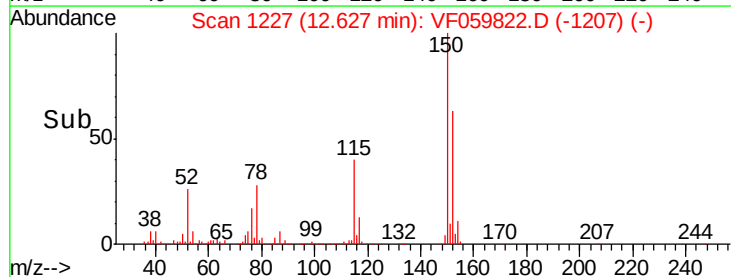
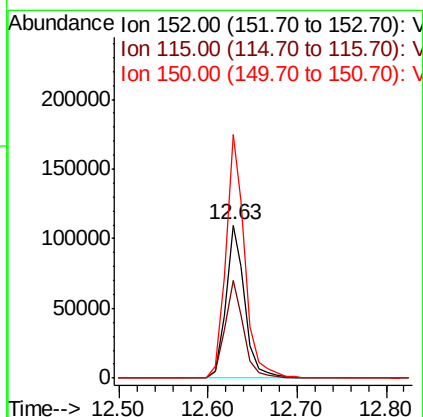
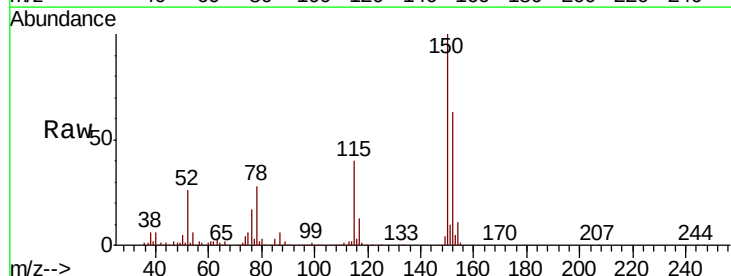
Instrument :
MSVOA_F
ClientSampleId :
VF0802SBL02

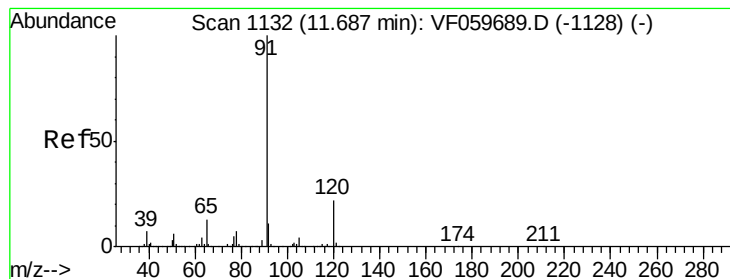
Tot Ion:106 Resp: 420
Ion Ratio Lower Upper
106 100
91 166.8 181.7 272.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059822.D
Acq: 3 Aug 2018 3:03

Tgt Ion:152 Resp: 164389
Ion Ratio Lower Upper
152 100
115 64.2 28.2 84.6
150 159.1 0.0 316.2





#78

n-propylbenzene

Concen: Below Cal

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059822.D

Acq: 3 Aug 2018 3:03

Instrument :

MSVOA_F

ClientSampleId :

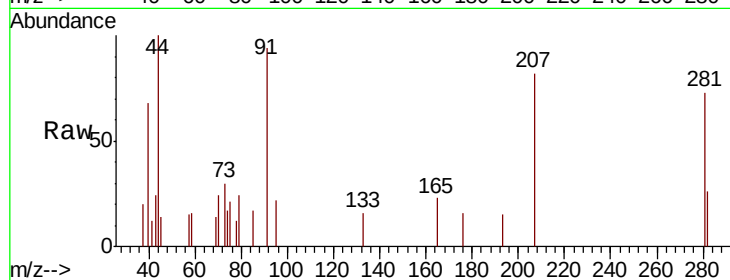
VF0802SBL02

Tot Ion: 91 Resp: 1281

Ion Ratio Lower Upper

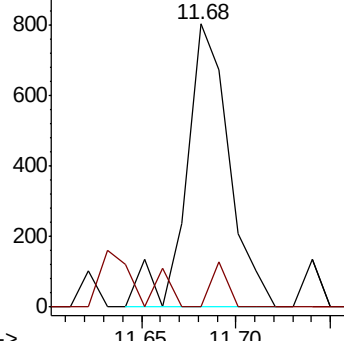
91 100

120 0.0 11.0 33.0#

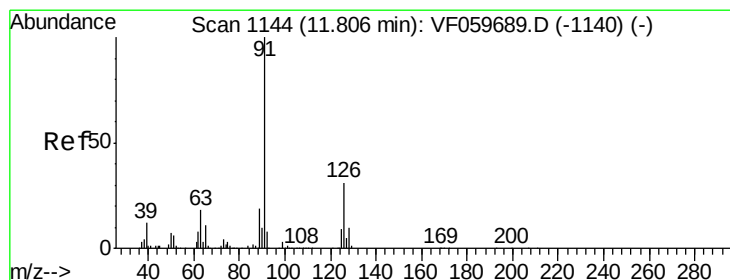
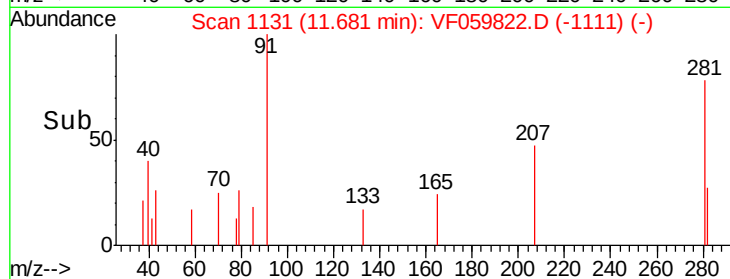


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



Time-->



#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF059822.D

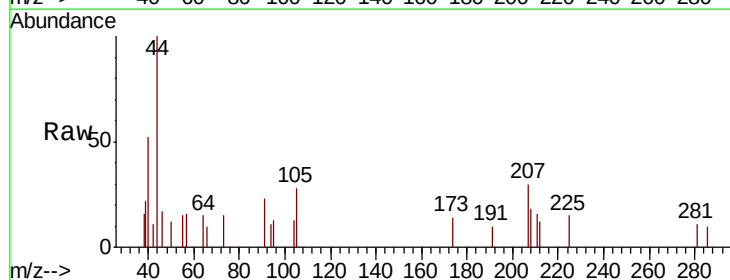
Acq: 3 Aug 2018 3:03

Tgt Ion: 91 Resp: 426

Ion Ratio Lower Upper

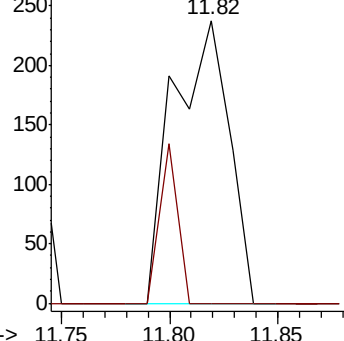
91 100

126 0.0 15.4 46.2#

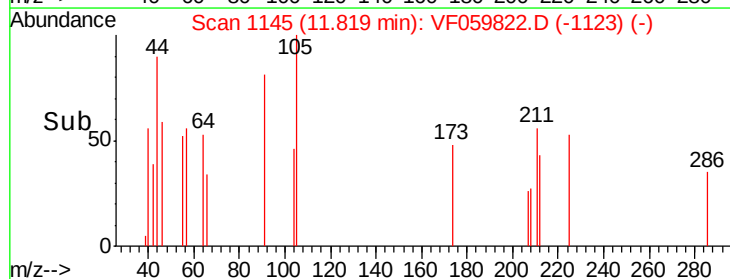


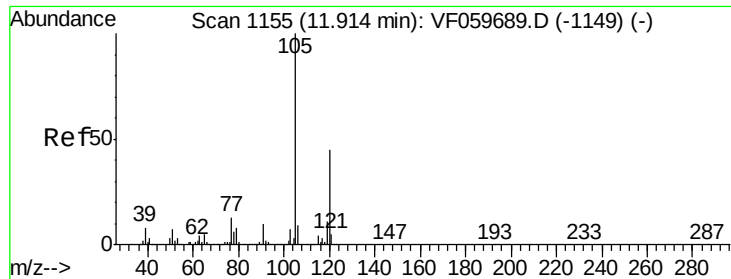
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time-->





#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059822.D

Acq: 3 Aug 2018 3:03

Instrument :

MSVOA_F

ClientSampleId :

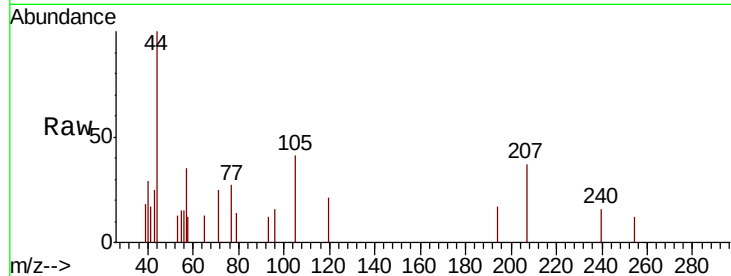
VF0802SBL02

Tot Ion:105 Resp: 567

Ion Ratio Lower Upper

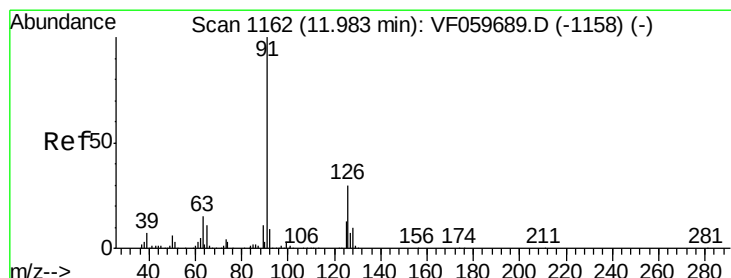
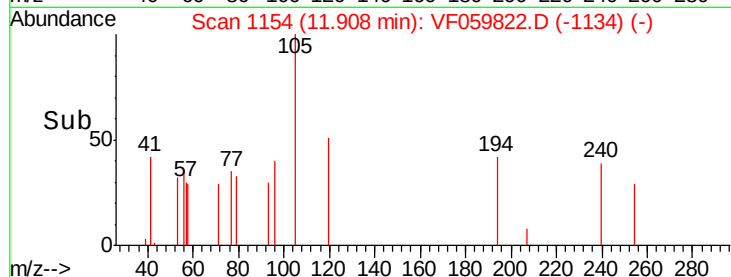
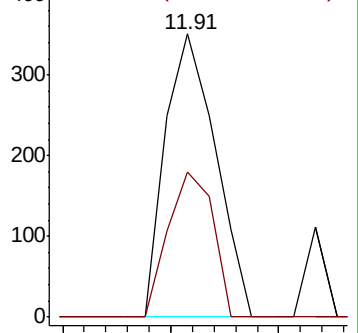
105 100

120 51.0 22.7 68.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.99 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059822.D

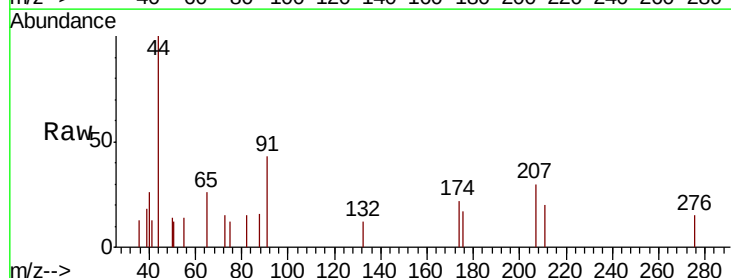
Acq: 3 Aug 2018 3:03

Tgt Ion: 91 Resp: 641

Ion Ratio Lower Upper

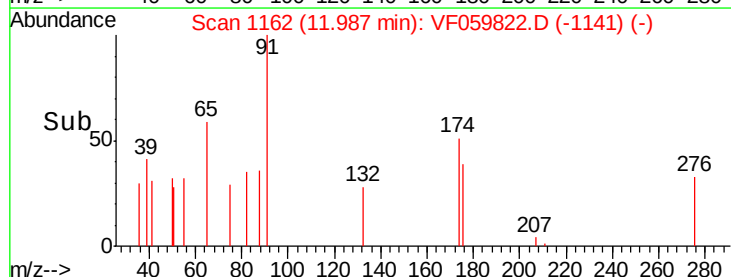
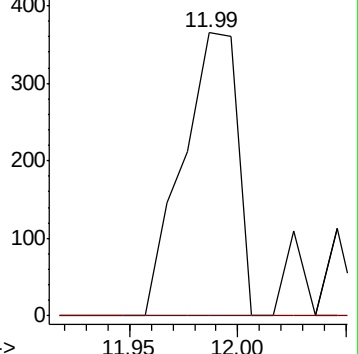
91 100

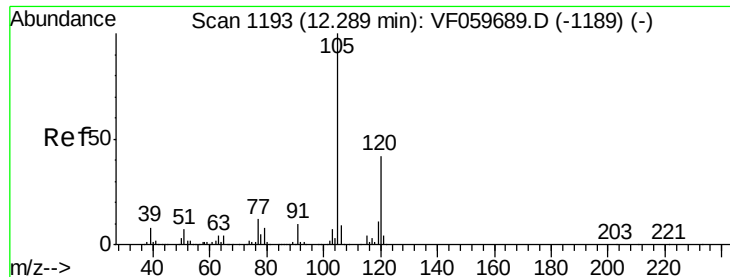
126 0.0 15.2 45.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

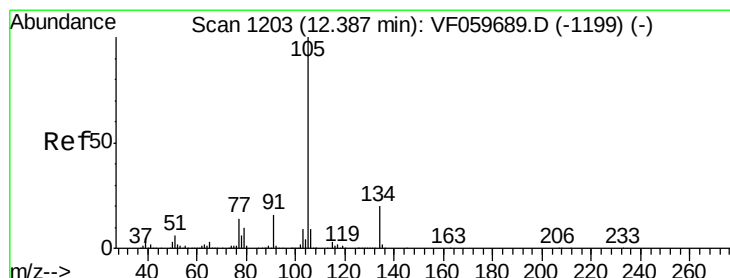
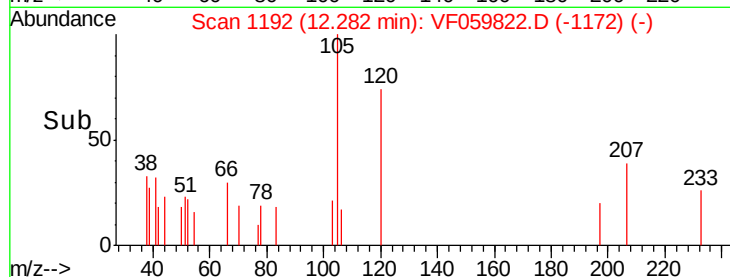
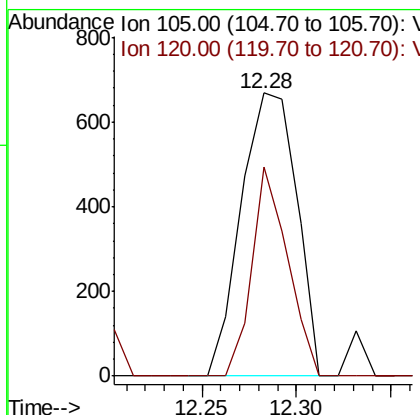
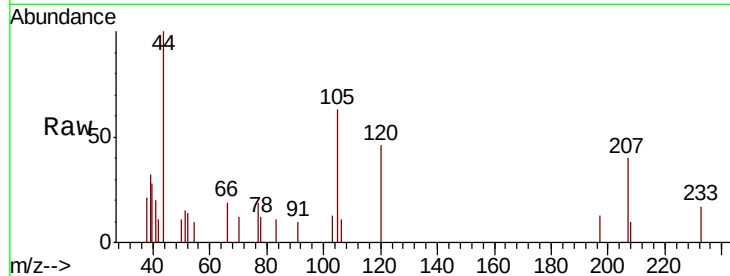




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059822.D
 Acq: 3 Aug 2018 3:03

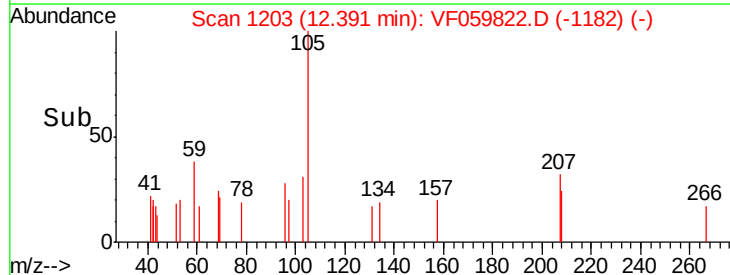
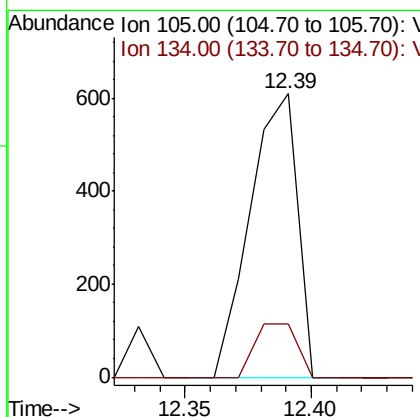
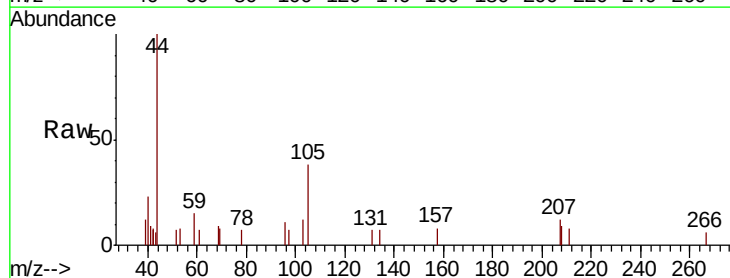
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBL02

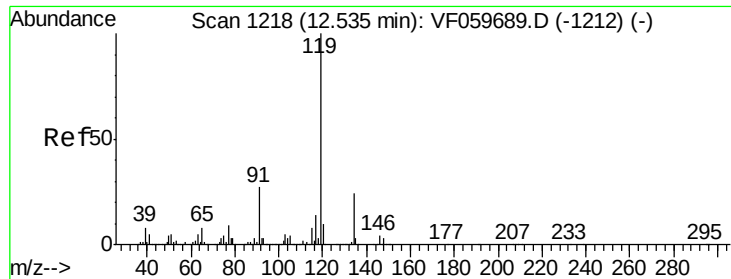
Tot Ion:105 Resp: 1358
 Ion Ratio Lower Upper
 105 100
 120 73.8 21.1 63.3#



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059822.D
 Acq: 3 Aug 2018 3:03

Tgt Ion:105 Resp: 801
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.8 29.3





#86

p-Isopropyltoluene

Concen: Below Cal

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059822.D

Acq: 3 Aug 2018 3:03

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBL02

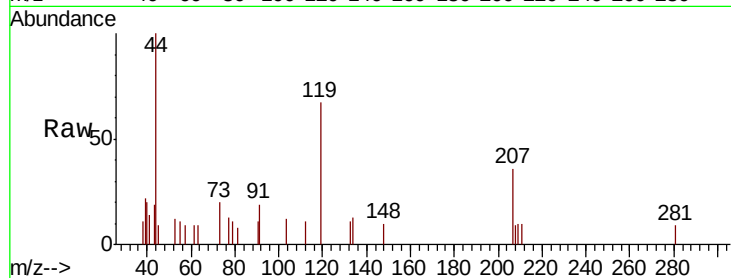
Tot Ion:119 Resp: 806

Ion Ratio Lower Upper

119 100

134 18.9 12.2 36.6

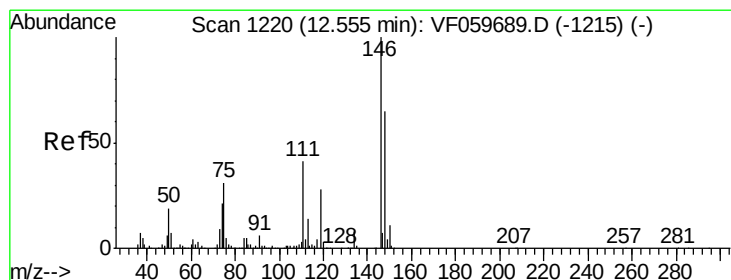
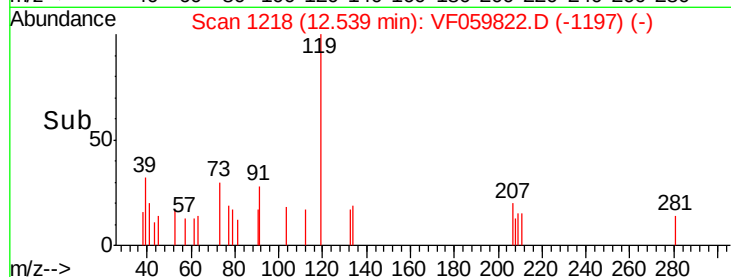
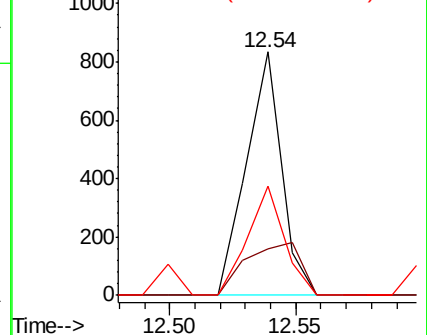
91 44.8 13.4 40.2#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.55 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VF059822.D

Acq: 3 Aug 2018 3:03

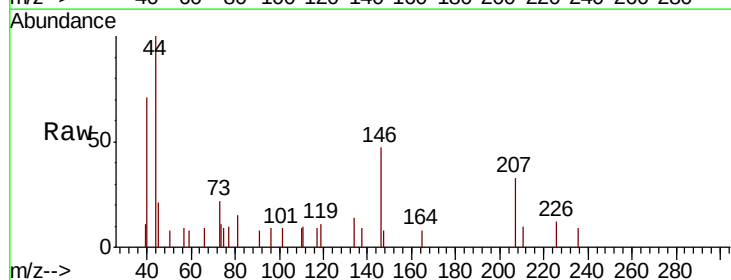
Tgt Ion:146 Resp: 618

Ion Ratio Lower Upper

146 100

111 21.8 20.7 62.1

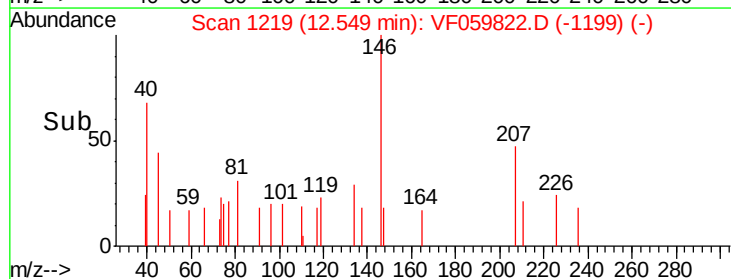
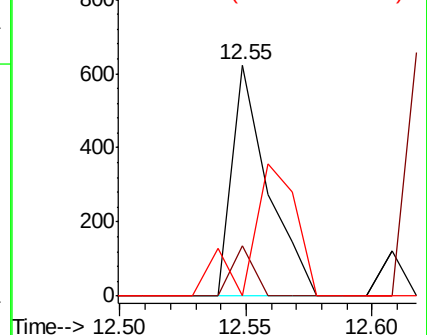
148 0.0 32.3 96.8#

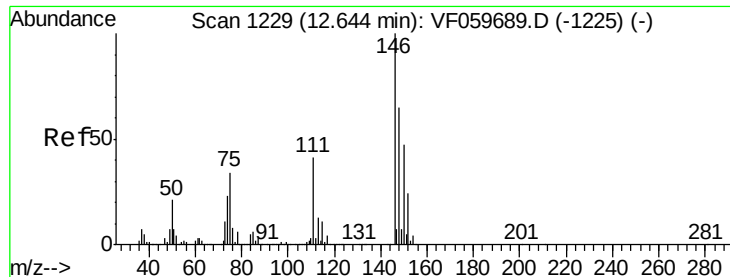


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

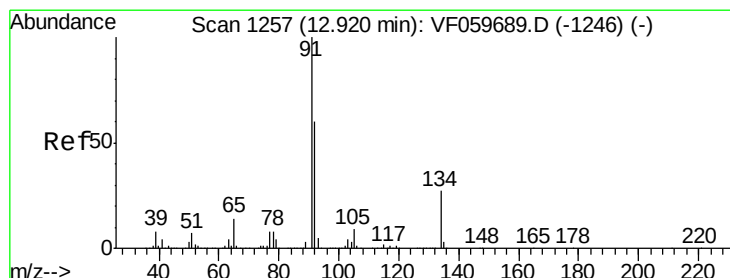
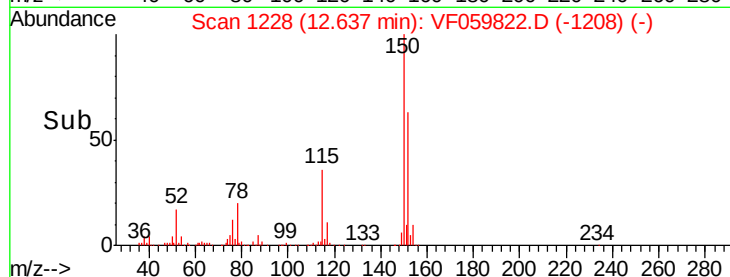
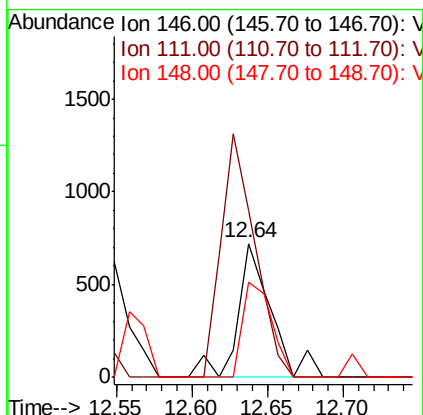
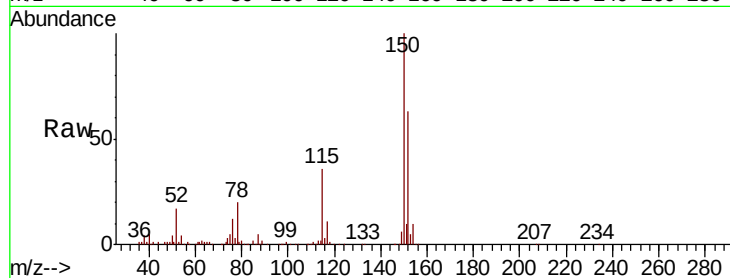




#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF059822.D
 Acq: 3 Aug 2018 3:03

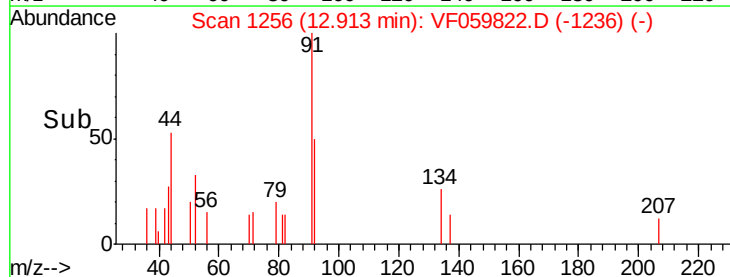
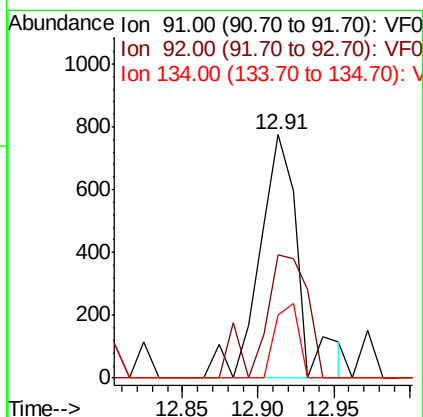
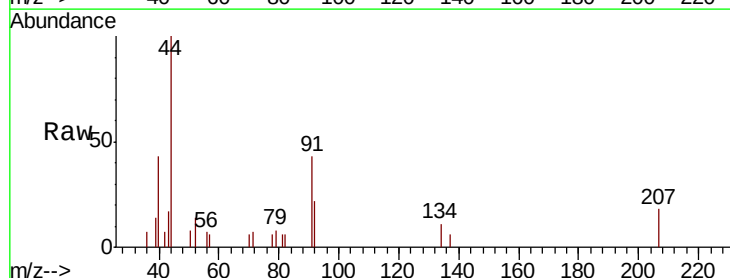
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBL02

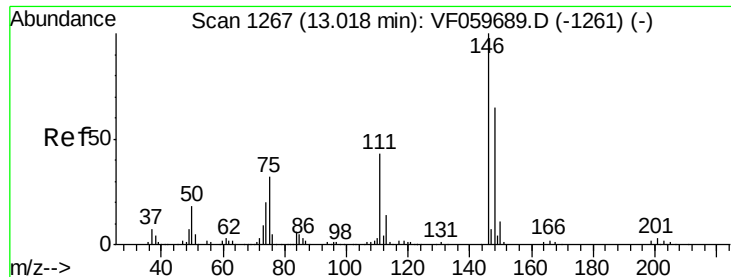
Tot Ion	Ratio	Lower	Upper
146	100		
111	124.5	20.8	62.2#
148	71.2	32.3	96.9



#89
 n-Butylbenzene
 Concen: Below Cal
 RT: 12.91 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VF059822.D
 Acq: 3 Aug 2018 3:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.5	30.1	90.3
134	26.1	13.7	41.0

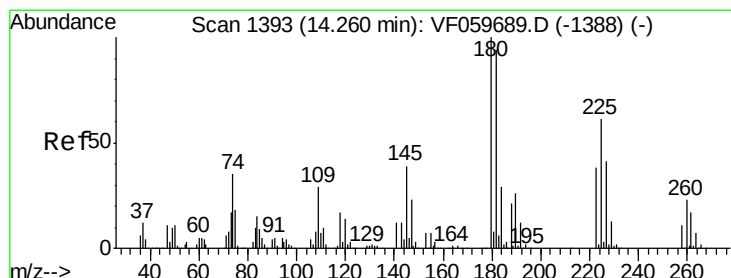
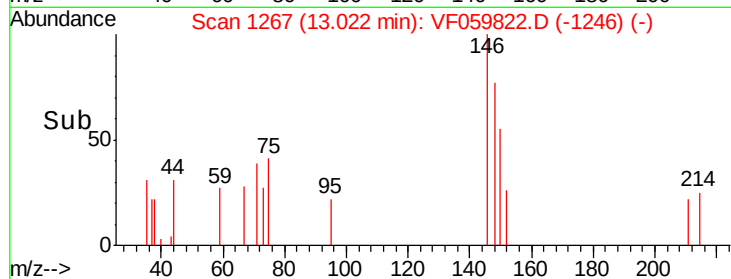
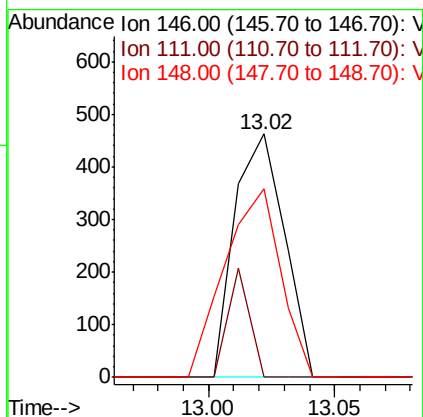
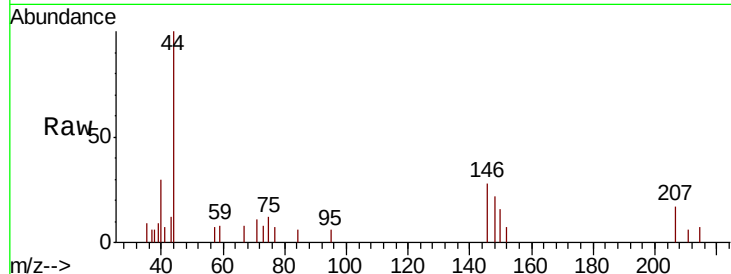




#91
 1,2-Dichlorobenzene
 Concen: Below Cal
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059822.D
 Acq: 3 Aug 2018 3:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.6	65.0#
148	77.3	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: VF059822.D
 Acq: 3 Aug 2018 3:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	116.7	47.2	141.6
145	21.7	19.3	57.9

