

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF080118\
 Data File : VF059778.D
 Acq On : 2 Aug 2018 3:29
 Operator : VA/AP
 Sample : J4164-07
 Misc : 8.84g/5mL/MSVOA_F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-4(3-5)

Quant Time: Aug 02 05:35:25 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	171790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	226719	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	149608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	38560	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	130734	42.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.68%	
35) Dibromofluoromethane	4.29	113	85931	36.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.98%	
50) Toluene-d8	7.71	98	190563	34.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.40%	
62) 4-Bromofluorobenzene	11.52	95	53192	17.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.00%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.98	85	151	Below Cal	# 44
3) Chloromethane	1.10	50	807	Below Cal	# 38
4) Vinyl Chloride	1.17	62	64	Below Cal	# 47
5) Bromomethane	1.32	94	406	Below Cal	# 4
6) Chloroethane	1.42	64	76	Below Cal	# 35
10) Methyl Iodide	2.03	142	70	Below Cal	# 20
11) Tert butyl alcohol	2.72	59	490	2.491 ug/l	# 74
13) Acrolein	2.05	56	70	17.069 ug/l	# 95
15) Acrylonitrile	3.09	53	892	4.533 ug/l	# 46
16) Acetone	2.34	43	29906	53.852 ug/l	# 89
17) Carbon Disulfide	1.85	76	2786	Below Cal	# 91
18) Methyl Acetate	2.34	43	29906	33.007 ug/l	# 64
20) Methylene Chloride	2.28	84	3502	Below Cal	# 74
21) trans-1,2-Dichloroethene	2.41	96	82	Below Cal	# 17
25) 2-Butanone	4.51	43	3815	6.156 ug/l	# 90
28) Bromochloromethane	4.02	49	85	Below Cal	# 15
29) Tetrahydrofuran	4.28	42	497	2.087 ug/l	# 84
31) Cyclohexane	3.89	56	118	Below Cal	# 68
36) 1,1-Dichloropropene	4.47	75	316	Below Cal	# 46
37) Ethyl Acetate	4.29	43	317	Below Cal	# 19
39) Methylcyclohexane	5.63	83	393	Below Cal	# 30
41) Methacrylonitrile	4.91	41	148	Below Cal	# 28
44) Trichloroethene	5.69	130	64	Below Cal	# 2
49) 1,4-Dioxane	6.73	88	62	Below Cal	# 7
51) 4-Methyl-2-Pentanone	8.41	43	2038	1.976 ug/l	# 67
52) Toluene	7.78	92	1360	Below Cal	100
59) 2-Hexanone	9.64	43	3941	4.769 ug/l	95
64) Tetrachloroethene	8.31	164	999	Below Cal	# 79
68) m/p-Xylenes	10.27	106	501	Below Cal	97
74) N-amyl acetate	11.47	43	2484	3.891 ug/l	# 85
78) n-propylbenzene	11.68	91	1473	Below Cal	84
79) 2-Chlorotoluene	11.81	91	542	Below Cal	99
80) 1,3,5-Trimethylbenzene	11.91	105	1291	Below Cal	88
81) trans-1,4-Dichloro-2-buten	11.96	75	302	1.801 ug/l	# 9

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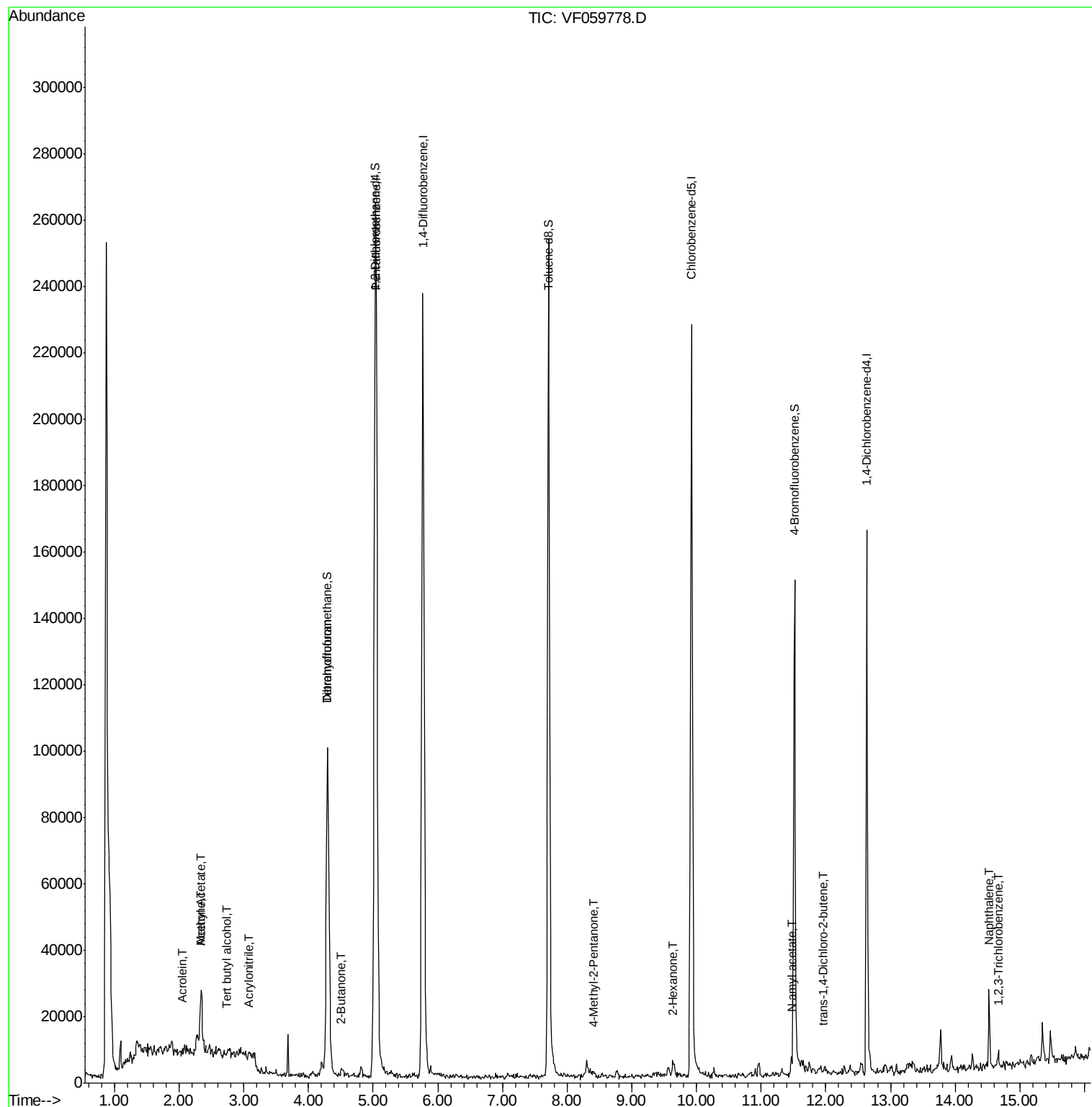
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	11.81	91	424	Below Cal		98
84) 1,2,4-Trimethylbenzene	12.30	105	1184	Below Cal		83
85) sec-Butylbenzene	12.39	105	688	Below Cal	#	57
86) p-Isopropyltoluene	12.54	119	1845	Below Cal		96
87) 1,3-Dichlorobenzene	12.56	146	733	Below Cal		85
88) 1,4-Dichlorobenzene	12.65	146	948	Below Cal		70
89) n-Butylbenzene	12.92	91	1193	Below Cal		88
91) 1,2-Dichlorobenzene	13.03	146	1019	Below Cal	#	69
93) 1,2,4-Trichlorobenzene	14.28	180	1111	Below Cal		96
95) Naphthalene	14.52	128	15219	9.154 ug/l		96
96) 1,2,3-Trichlorobenzene	14.67	180	1156	1.258 ug/l	#	55

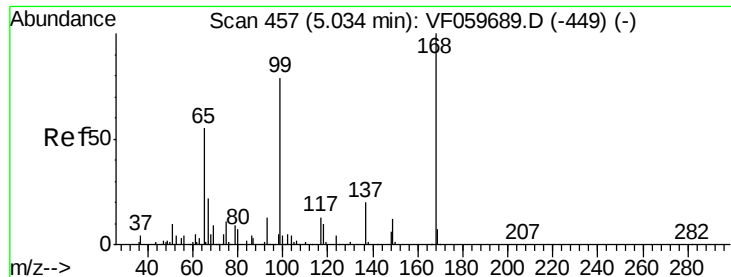
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059778.D

Acq: 2 Aug 2018 3:29

Instrument :

MSVOA_F

ClientSampleId :

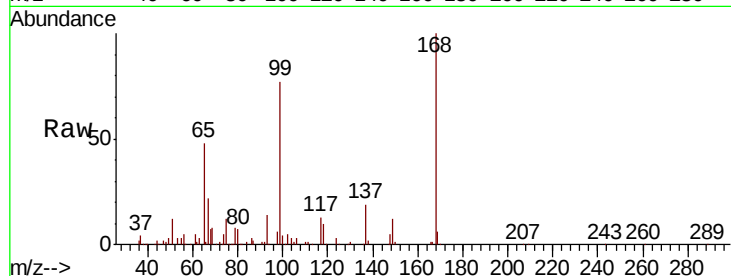
SB-4(3-5)

Tgt Ion:168 Resp: 171790

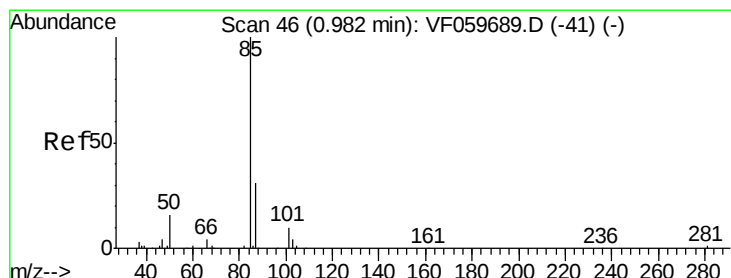
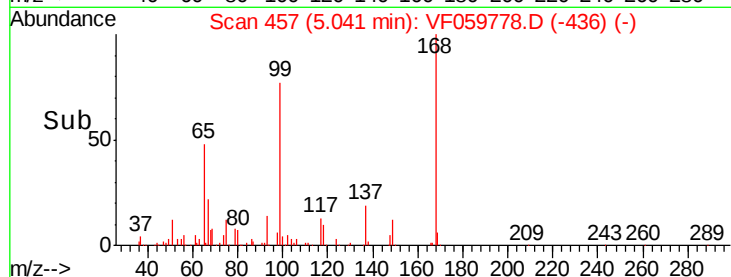
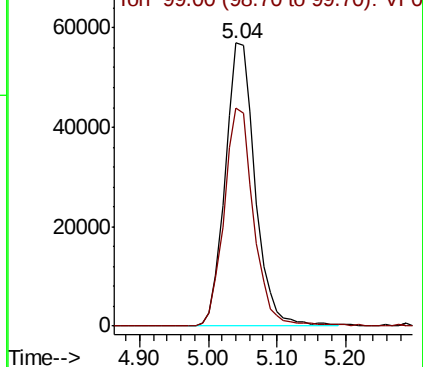
Ion Ratio Lower Upper

168 100

99 76.9 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.98 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF059778.D

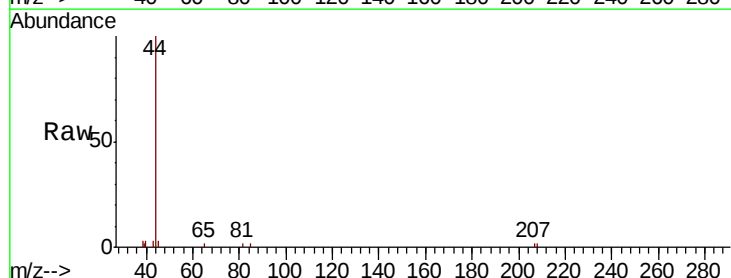
Acq: 2 Aug 2018 3:29

Tgt Ion: 85 Resp: 151

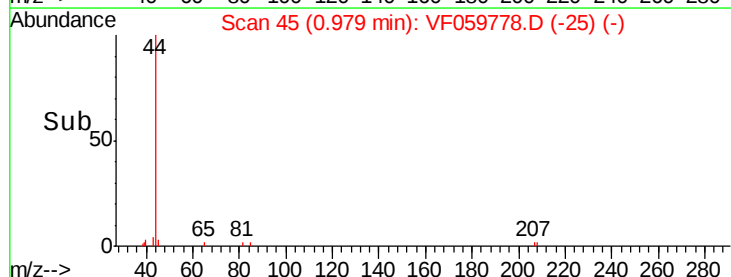
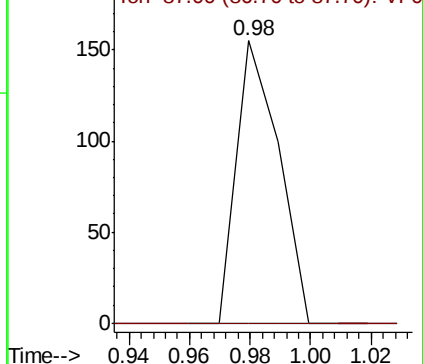
Ion Ratio Lower Upper

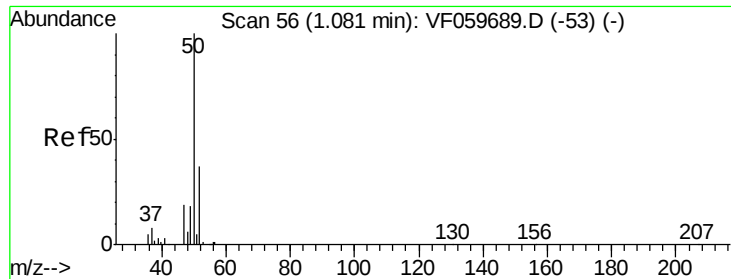
85 100

87 0.0 15.3 45.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: Below Cal

RT: 1.10 min Scan# 57

Delta R.T. 0.02 min

Lab File: VF059778.D

Acq: 2 Aug 2018 3:29

Instrument :

MSVOA_F

ClientSampleId :

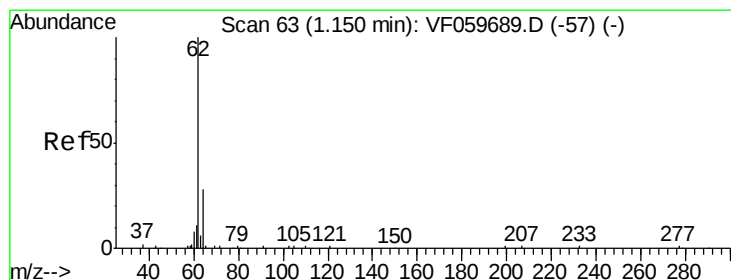
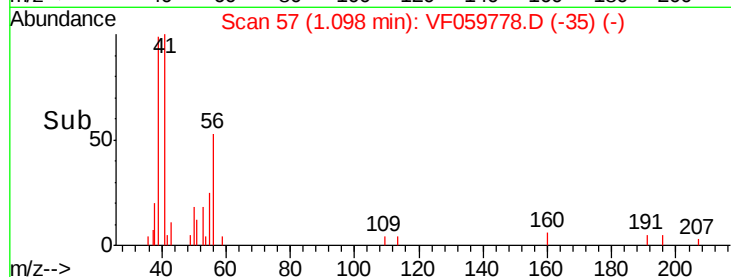
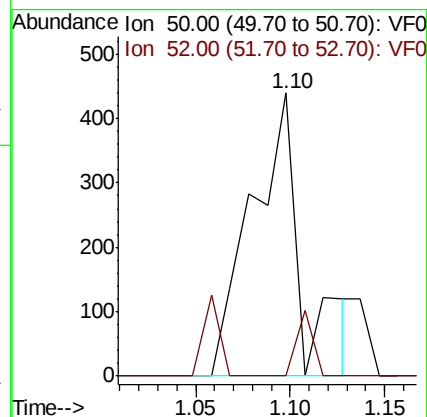
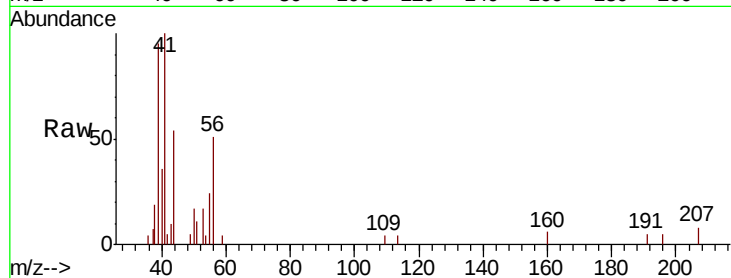
SB-4(3-5)

Tgt Ion: 50 Resp: 807

Ion Ratio Lower Upper

50 100

52 0.0 29.1 43.7#



#4

Vinyl Chloride

Concen: Below Cal

RT: 1.17 min Scan# 64

Delta R.T. 0.02 min

Lab File: VF059778.D

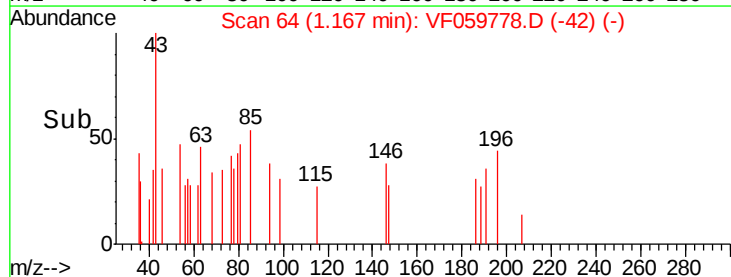
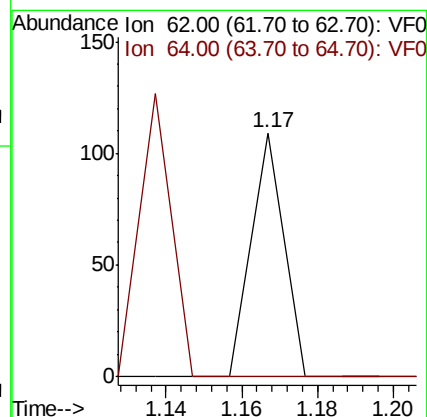
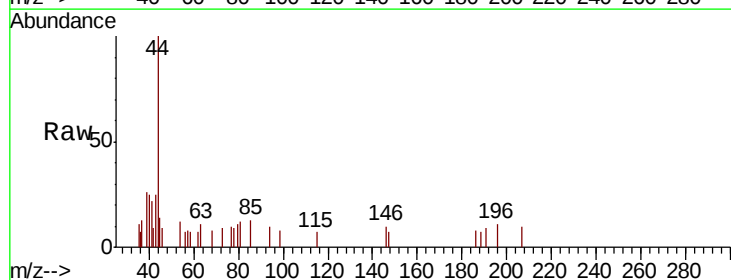
Acq: 2 Aug 2018 3:29

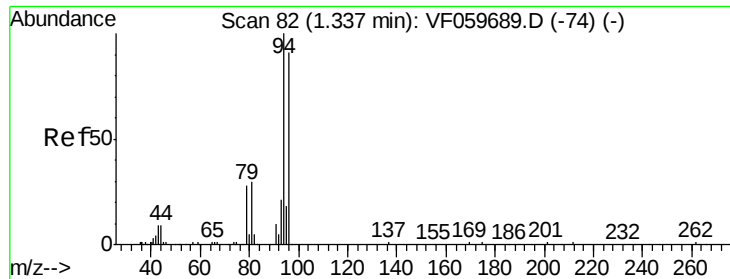
Tgt Ion: 62 Resp: 64

Ion Ratio Lower Upper

62 100

64 0.0 22.6 33.8#





#5

Bromomethane

Concen: Below Cal

RT: 1.32 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF059778.D

Acq: 2 Aug 2018 3:29

Instrument :

MSVOA_F

ClientSampleId :

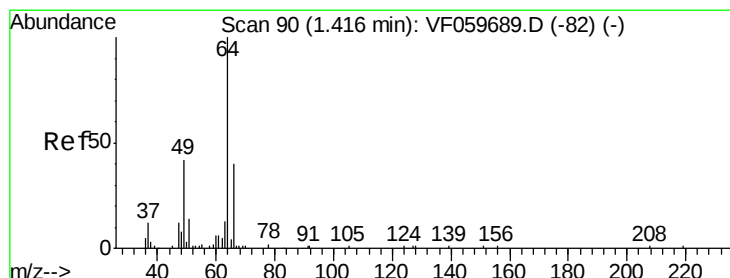
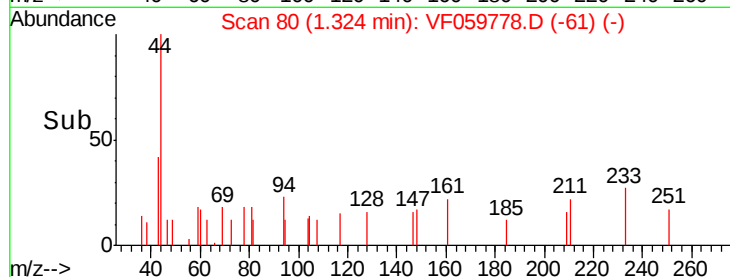
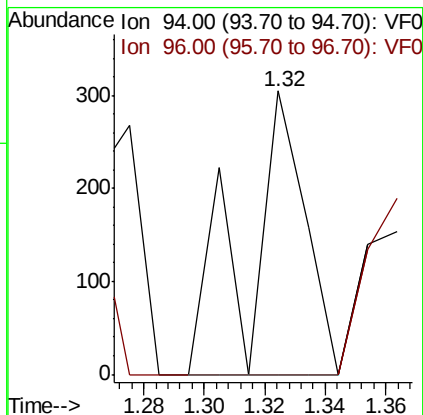
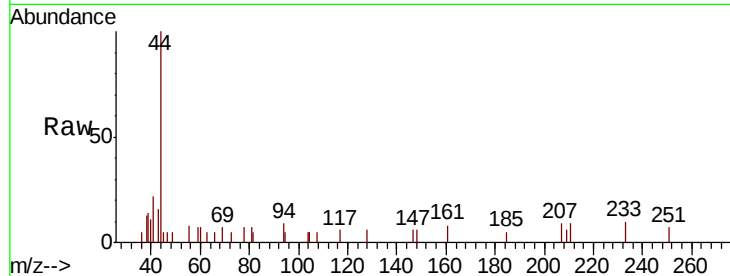
SB-4(3-5)

Tgt Ion: 94 Resp: 406

Ion Ratio Lower Upper

94 100

96 0.0 73.6 110.4#



#6

Chloroethane

Concen: Below Cal

RT: 1.42 min Scan# 90

Delta R.T. 0.01 min

Lab File: VF059778.D

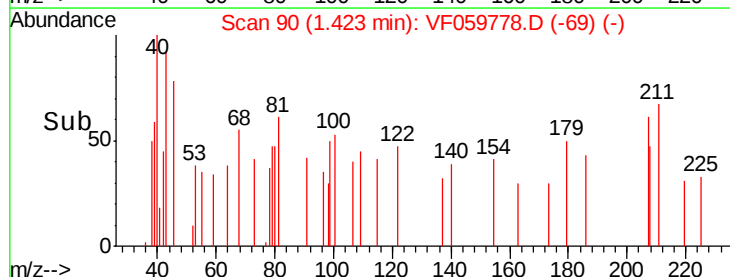
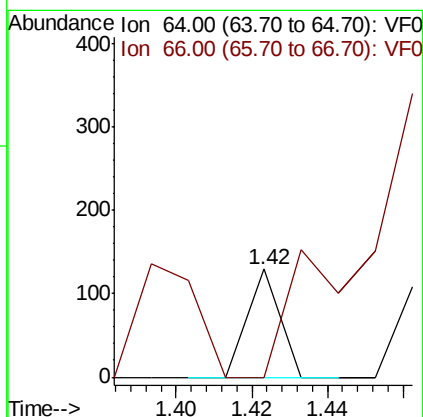
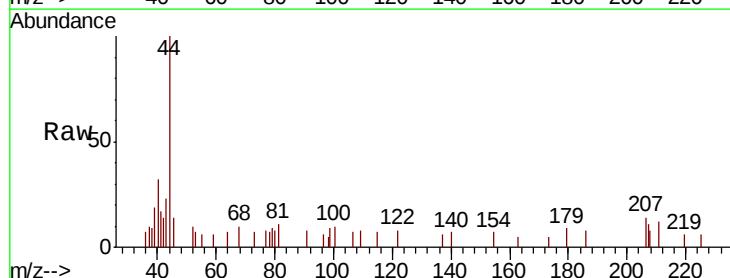
Acq: 2 Aug 2018 3:29

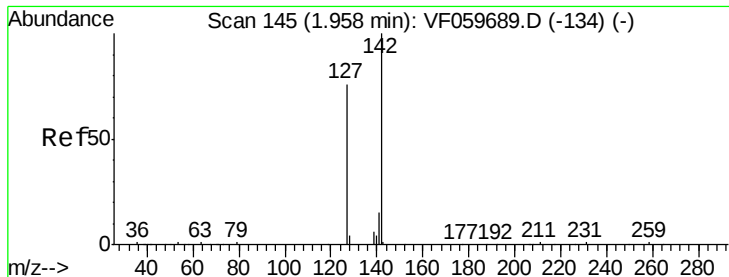
Tgt Ion: 64 Resp: 76

Ion Ratio Lower Upper

64 100

66 0.0 32.6 49.0#

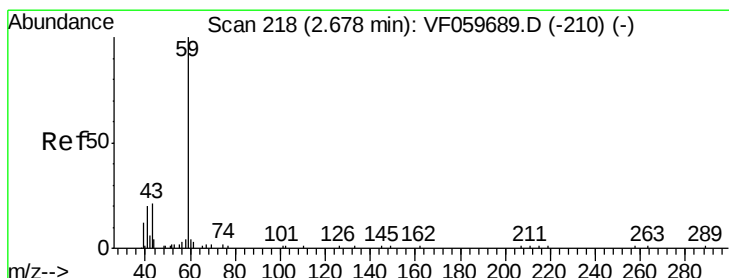
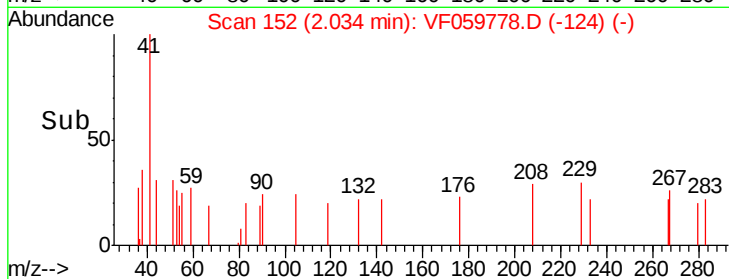
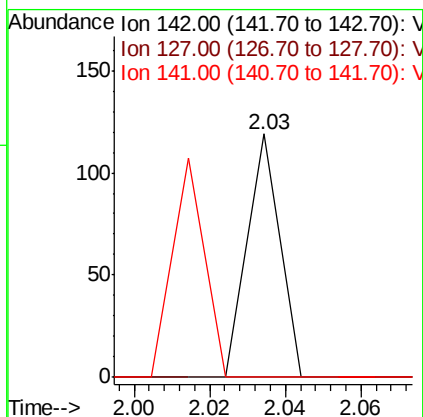
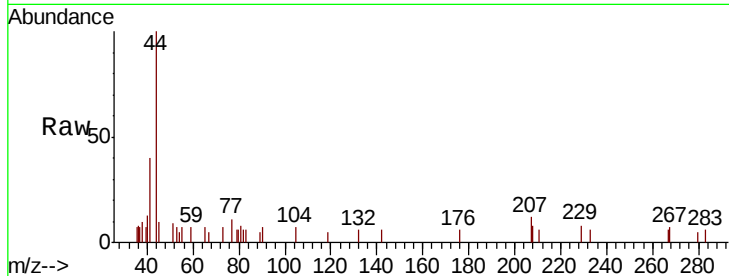




#10
Methyl Iodide
Concen: Below Cal
RT: 2.03 min Scan# 152
Delta R.T. 0.08 min
Lab File: VF059778.D
Acq: 2 Aug 2018 3:29

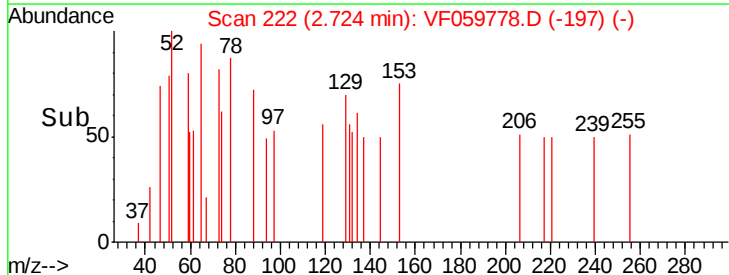
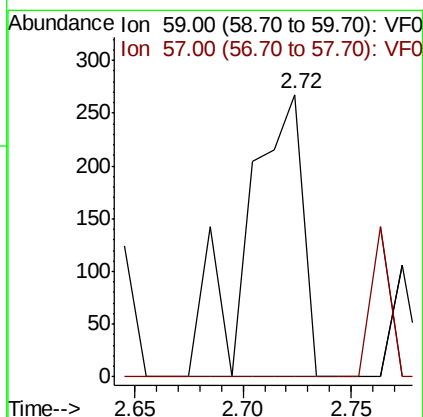
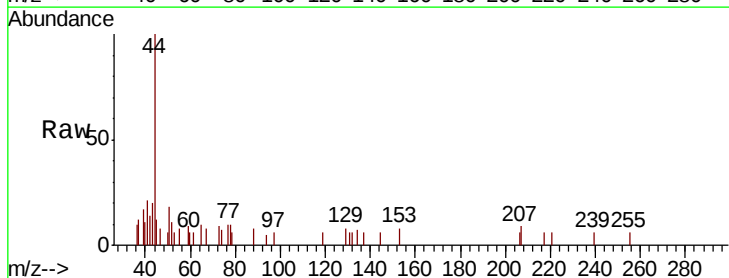
Instrument :
MSVOA_F
ClientSampleId :
SB-4(3-5)

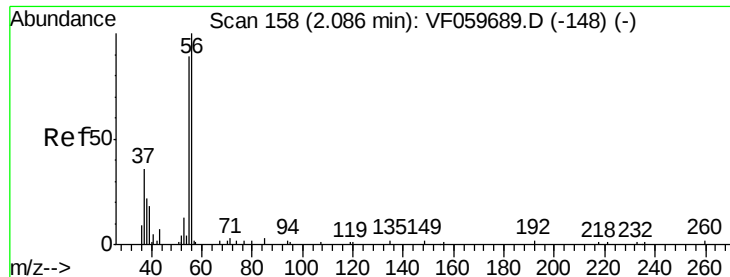
Tgt Ion	Ratio	Lower	Upper
142	100		
127	0.0	60.6	91.0#
141	0.0	12.0	18.0#



#11
Tert butyl alcohol
Concen: 2.491 ug/l
RT: 2.72 min Scan# 222
Delta R.T. 0.05 min
Lab File: VF059778.D
Acq: 2 Aug 2018 3:29

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





#13

Acrolein

Concen: 17.069 ug/l

RT: 2.05 min Scan# 154

Delta R.T. -0.03 min

Lab File: VF059778.D

Acq: 2 Aug 2018 3:29

Instrument :

MSVOA_F

ClientSampled :

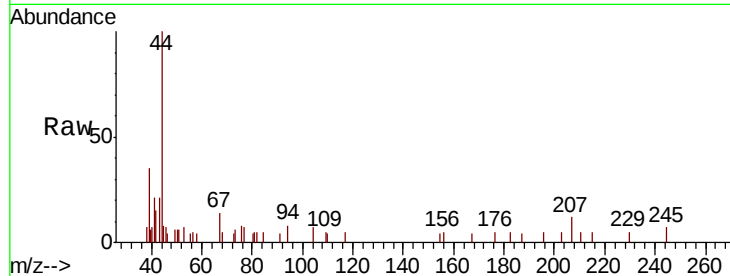
SB-4(3-5)

Tgt Ion: 56 Resp: 70

Ion Ratio Lower Upper

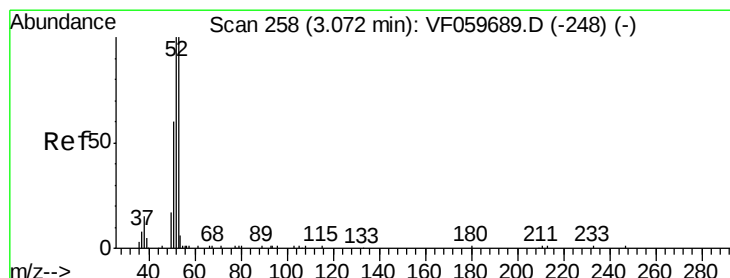
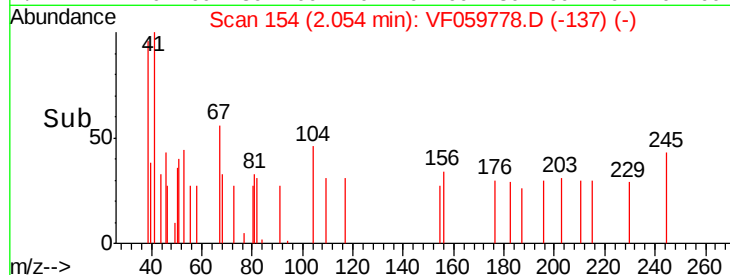
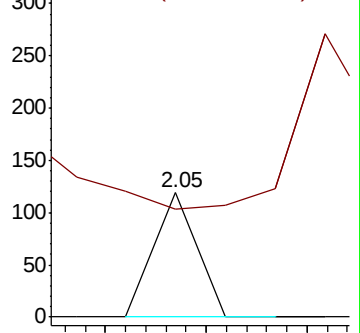
56 100

55 86.6 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: 4.533 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.02 min

Lab File: VF059778.D

Acq: 2 Aug 2018 3:29

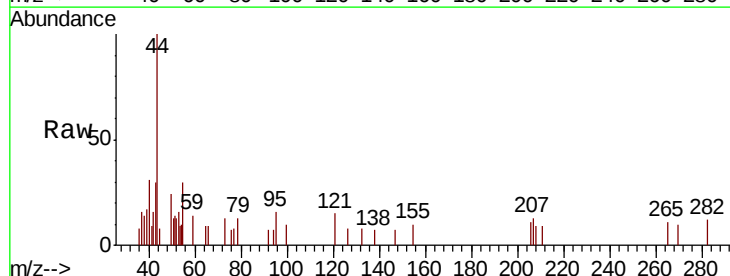
Tgt Ion: 53 Resp: 892

Ion Ratio Lower Upper

53 100

52 54.3 80.3 120.5#

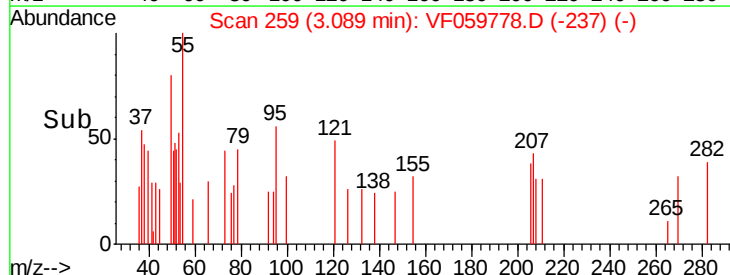
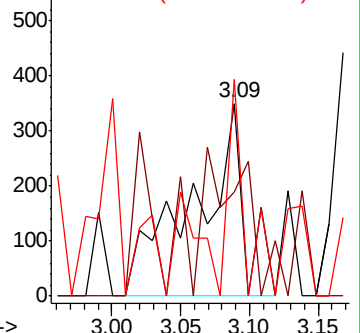
51 112.6 49.4 74.0#

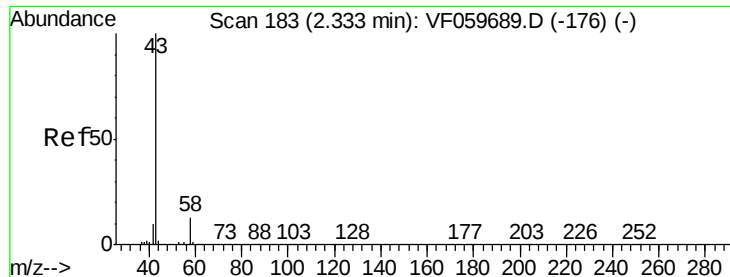


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 53.852 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF059778.D

Acq: 2 Aug 2018 3:29

Instrument :

MSVOA_F

ClientSampled :

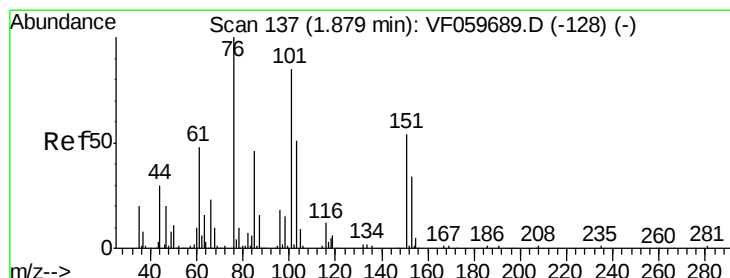
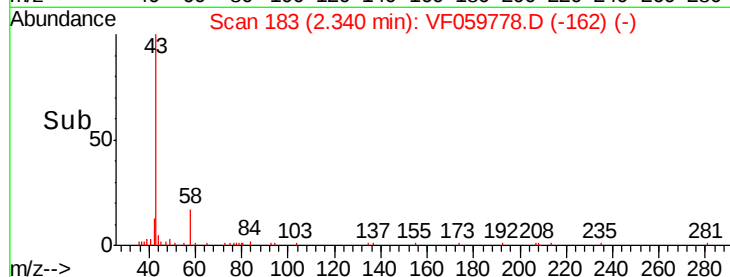
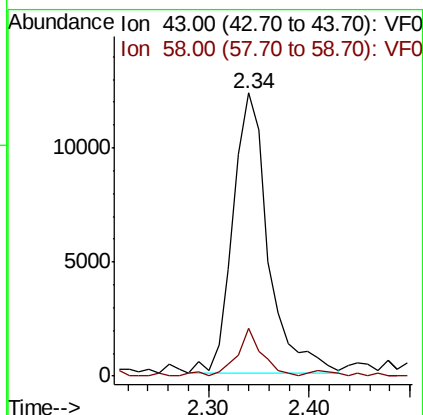
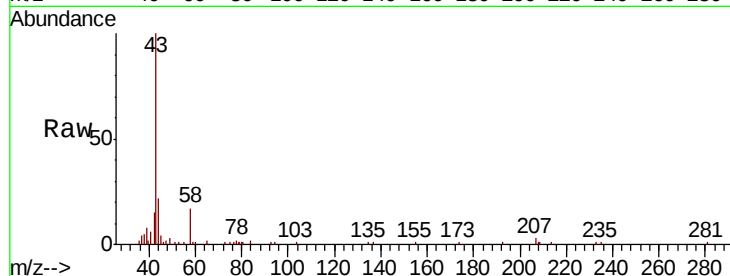
SB-4(3-5)

Tgt Ion: 43 Resp: 29906

Ion Ratio Lower Upper

43 100

58 16.8 10.1 15.1#



#17

Carbon Disulfide

Concen: Below Cal

RT: 1.85 min Scan# 133

Delta R.T. -0.03 min

Lab File: VF059778.D

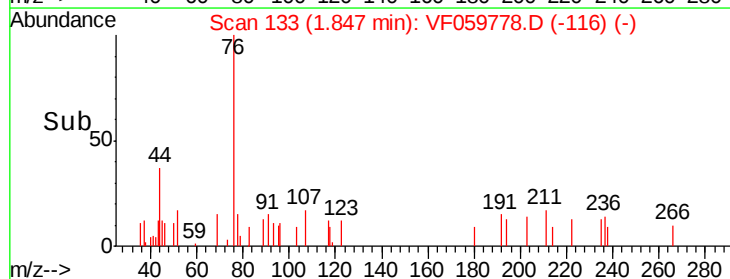
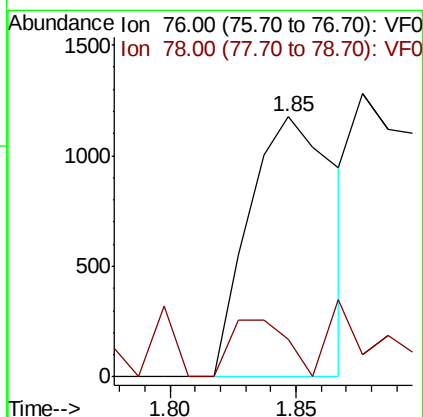
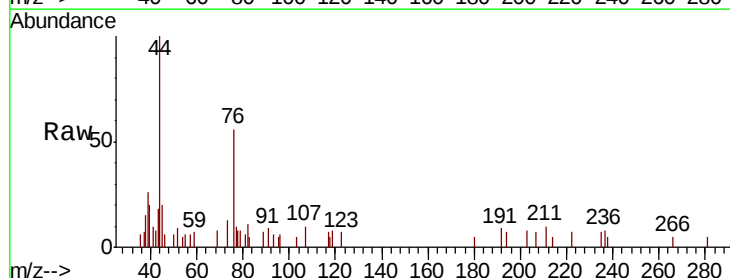
Acq: 2 Aug 2018 3:29

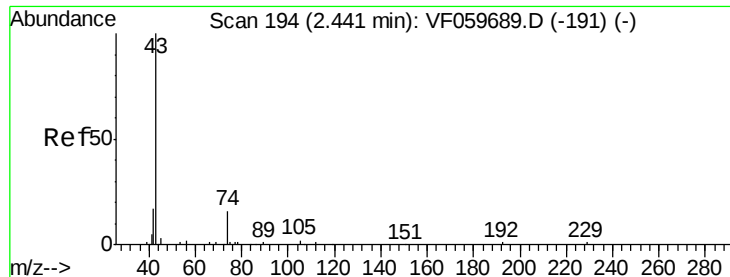
Tgt Ion: 76 Resp: 2786

Ion Ratio Lower Upper

76 100

78 14.6 8.9 13.3#

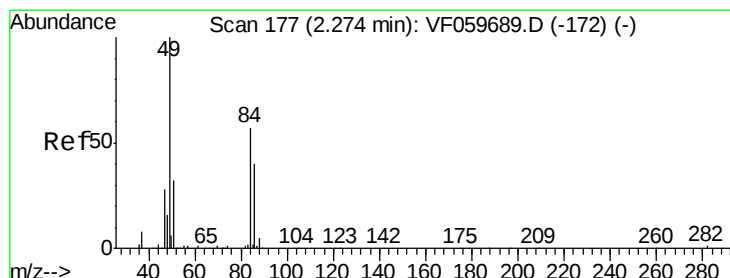
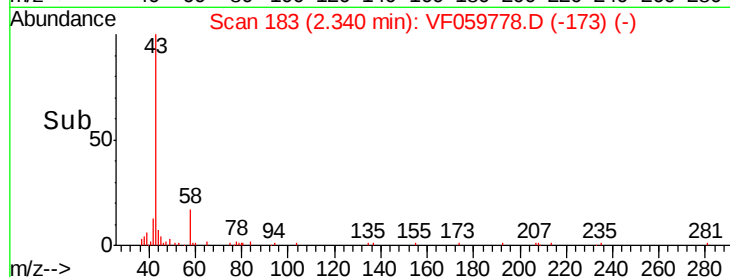
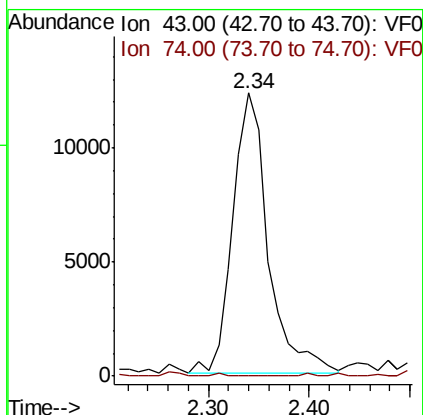
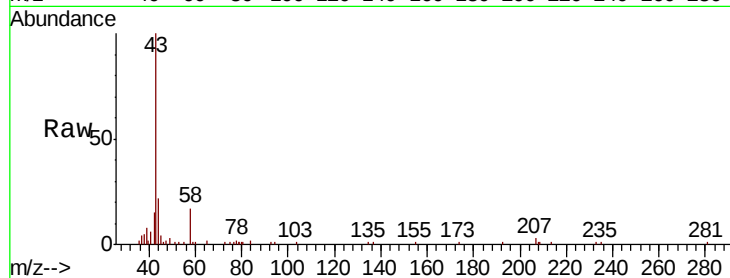




#18
Methyl Acetate
Concen: 33.007 ug/l
RT: 2.34 min Scan# 183
Delta R.T. -0.10 min
Lab File: VF059778.D
Acq: 2 Aug 2018 3:29

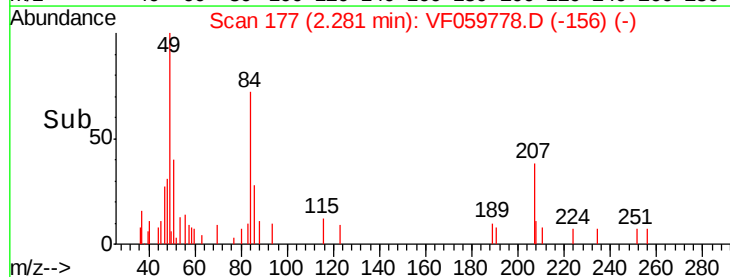
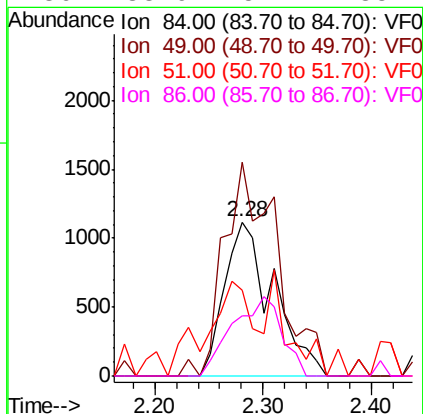
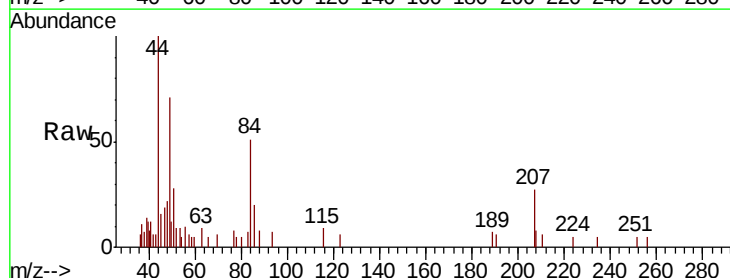
Instrument :
MSVOA_F
ClientSampled :
SB-4(3-5)

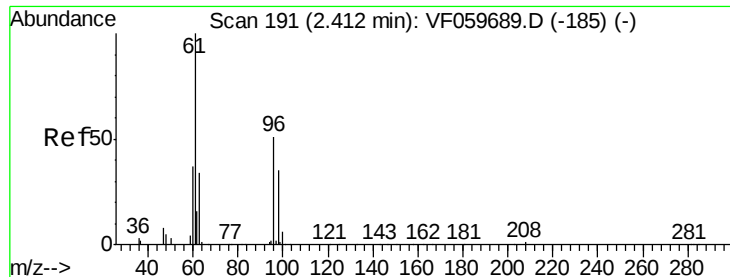
Tgt Ion: 43 Resp: 29906
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF059778.D
Acq: 2 Aug 2018 3:29

Tgt Ion: 84 Resp: 3502
Ion Ratio Lower Upper
84 100
49 138.9 142.2 213.4#
51 55.5 46.2 69.2
86 38.9 57.1 85.7#





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 2.41 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059778.D

Acq: 2 Aug 2018 3:29

Instrument :

MSVOA_F

ClientSampled :

SB-4(3-5)

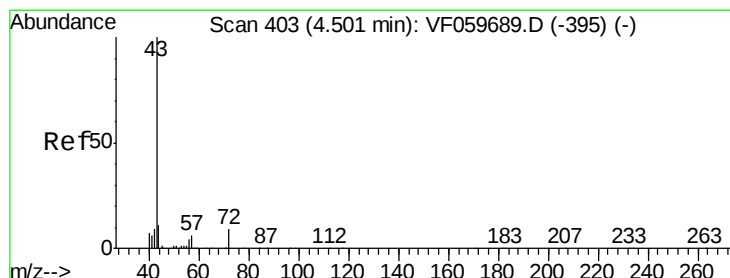
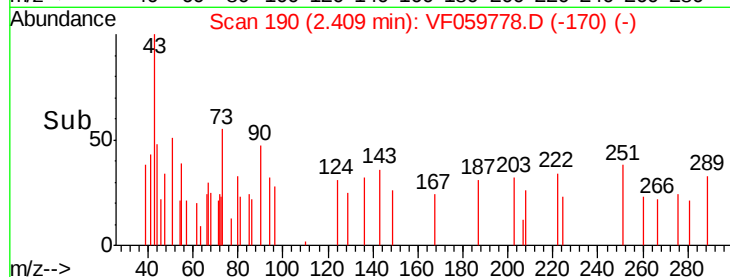
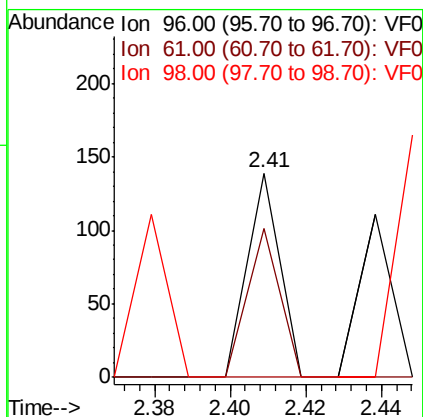
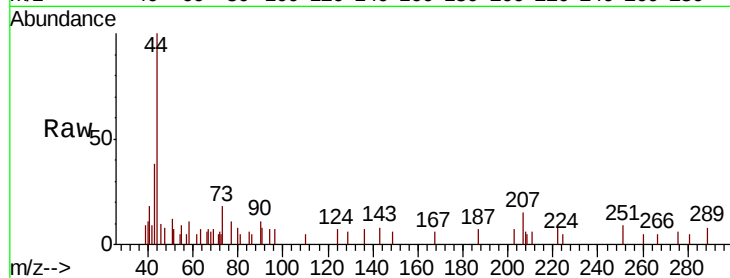
Tgt Ion: 96 Resp: 82

Ion Ratio Lower Upper

96 100

61 72.7 157.4 236.0#

98 0.0 55.0 82.4#



#25

2-Butanone

Concen: 6.156 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.01 min

Lab File: VF059778.D

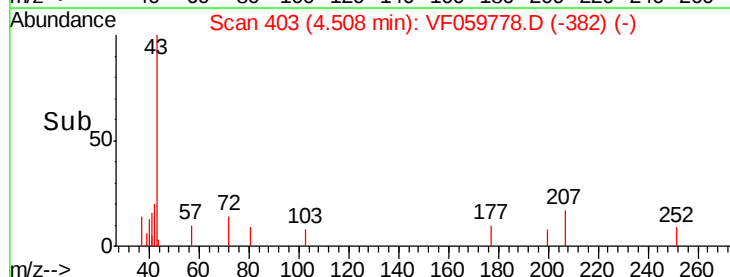
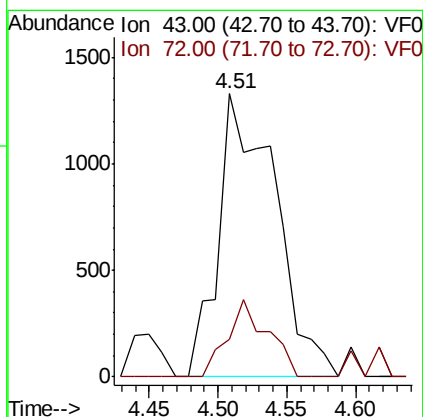
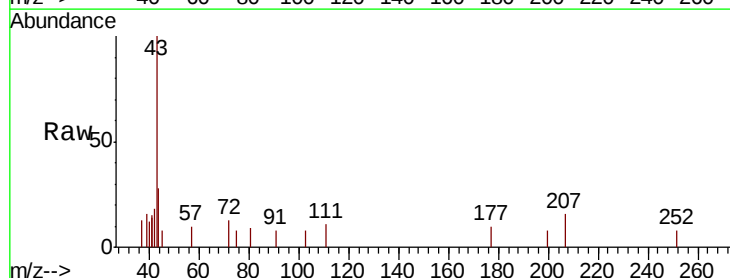
Acq: 2 Aug 2018 3:29

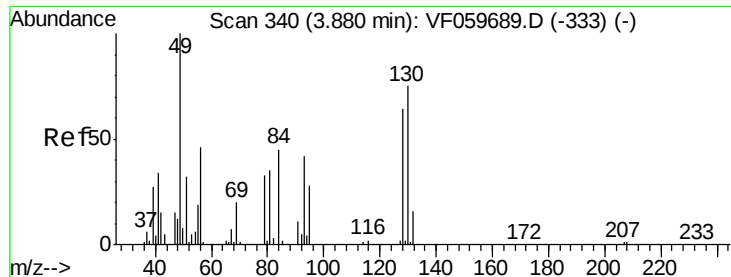
Tgt Ion: 43 Resp: 3815

Ion Ratio Lower Upper

43 100

72 13.1 7.7 11.5#





#28

Bromochloromethane

Concen: Below Cal

RT: 4.02 min Scan# 353

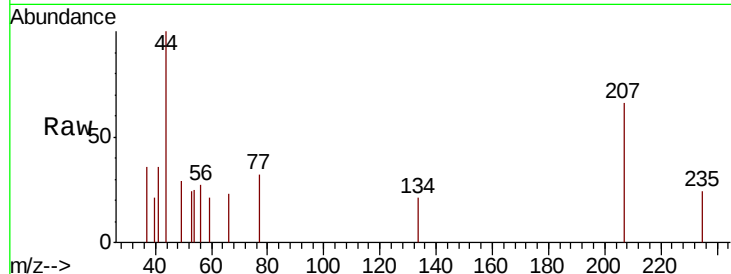
Delta R.T. 0.14 min

Lab File: VF059778.D

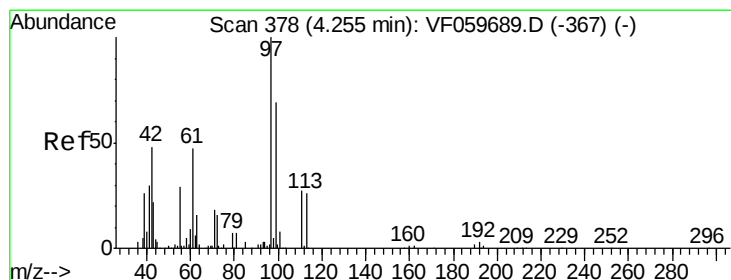
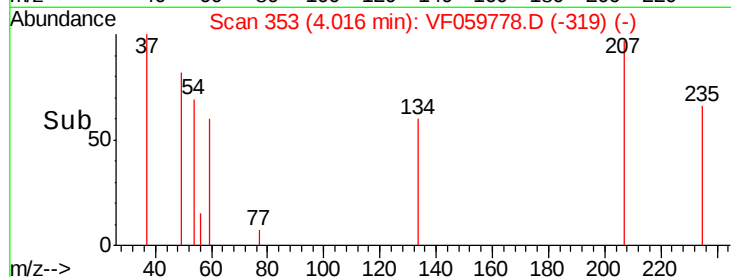
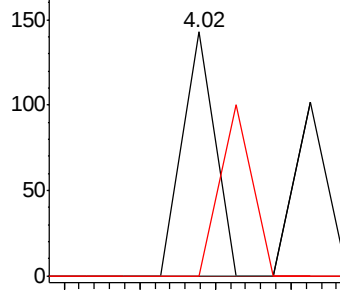
Acq: 2 Aug 2018 3:29

Instrument :
MSVOA_F
ClientSampleId :
SB-4(3-5)

Tgt Ion:	49	Resp:	85
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



#29

Tetrahydrofuran

Concen: 2.087 ug/l

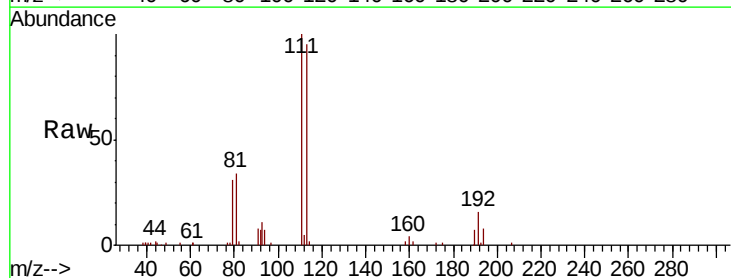
RT: 4.28 min Scan# 380

Delta R.T. 0.03 min

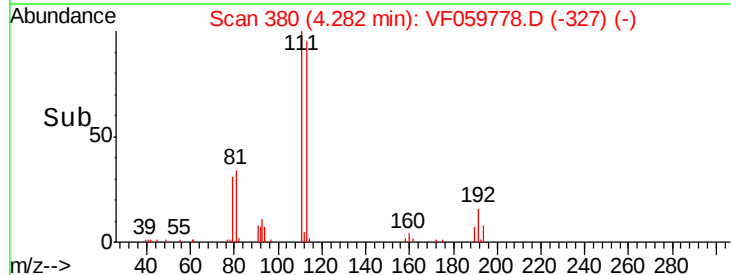
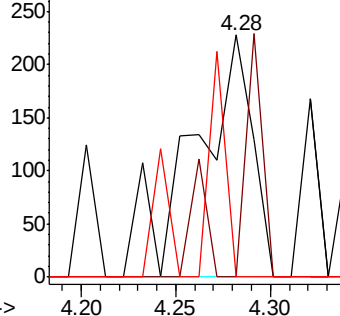
Lab File: VF059778.D

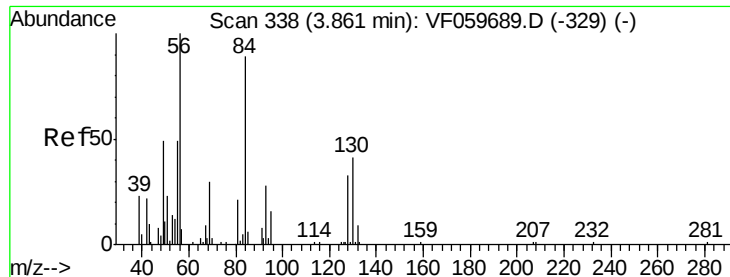
Acq: 2 Aug 2018 3:29

Tgt Ion:	42	Resp:	497
Ion	Ratio	Lower	Upper
42	100		
72	27.2	27.0	40.6
71	25.2	29.7	44.5#



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

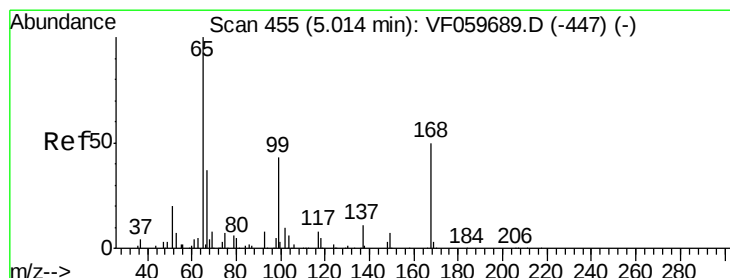
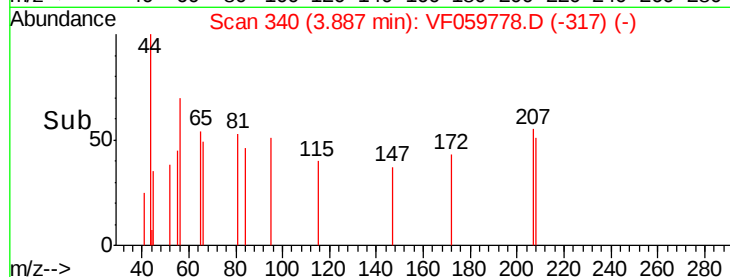
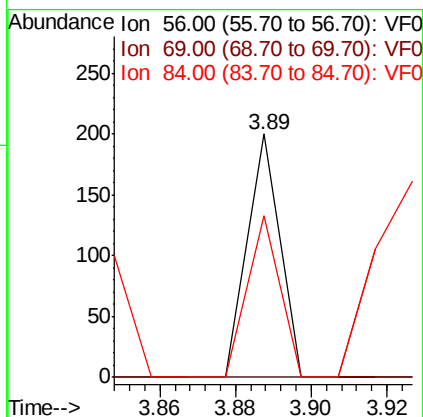
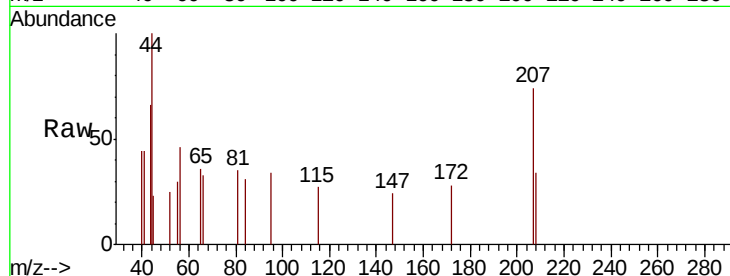




#31
Cyclohexane
Concen: Below Cal
RT: 3.89 min Scan# 340
Delta R.T. 0.03 min
Lab File: VF059778.D
Acq: 2 Aug 2018 3:29

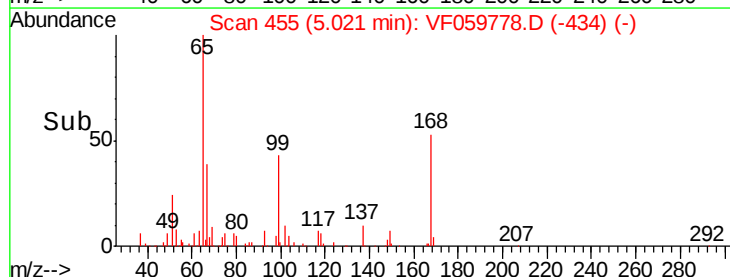
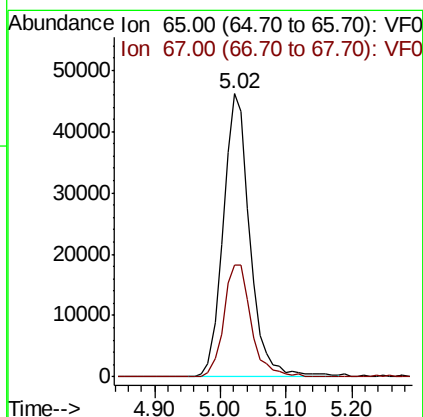
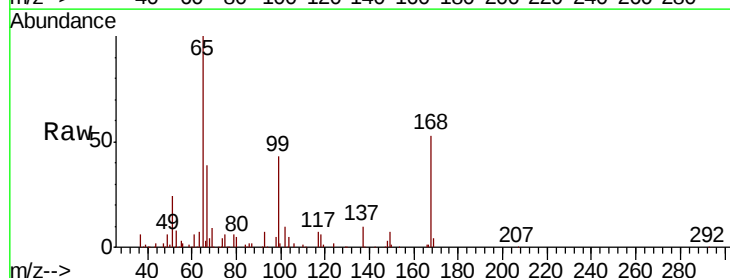
Instrument :
MSVOA_F
ClientSampleId :
SB-4(3-5)

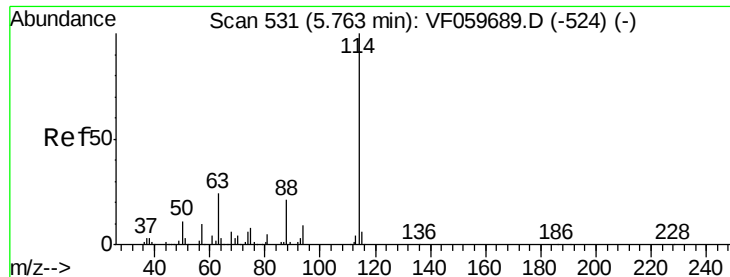
Tgt Ion: 56 Resp: 118
Ion Ratio Lower Upper
56 100
69 0.0 23.7 35.5#
84 66.5 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 42.344 ug/l
RT: 5.02 min Scan# 455
Delta R.T. 0.01 min
Lab File: VF059778.D
Acq: 2 Aug 2018 3:29

Tgt Ion: 65 Resp: 130734
Ion Ratio Lower Upper
65 100
67 39.3 0.0 84.6

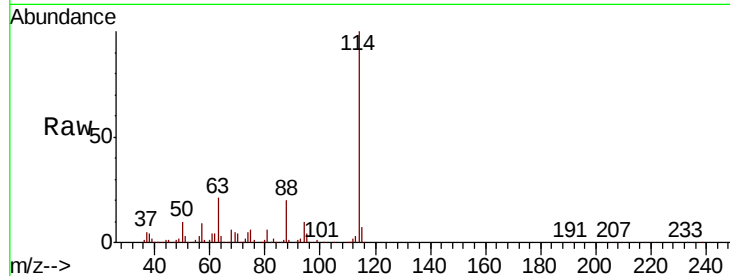




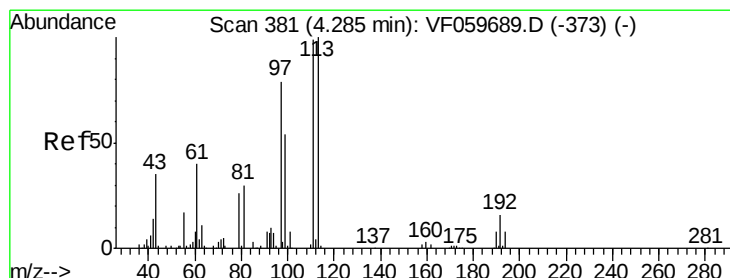
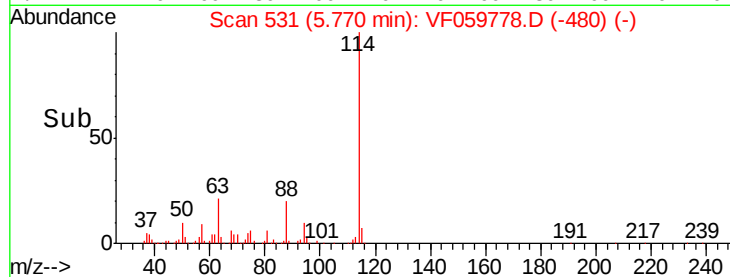
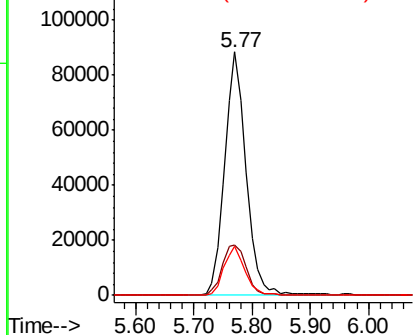
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VF059778.D
 Acq: 2 Aug 2018 3:29

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-4(3-5)

Tgt Ion:	114	Resp:	226719
Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	47.4
88	20.0	0.0	41.2

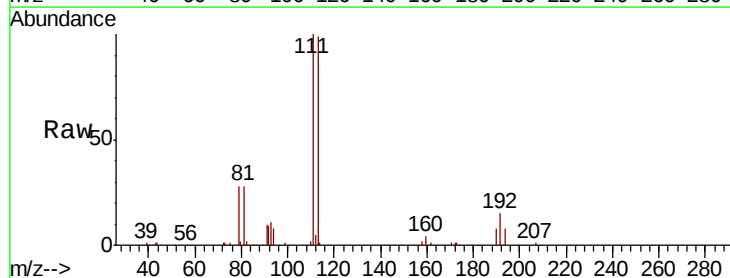


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

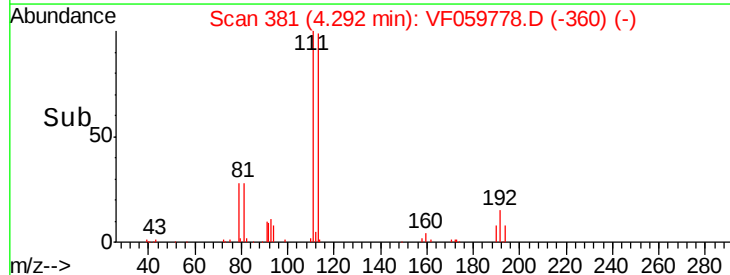
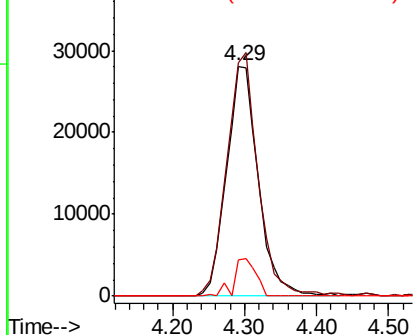


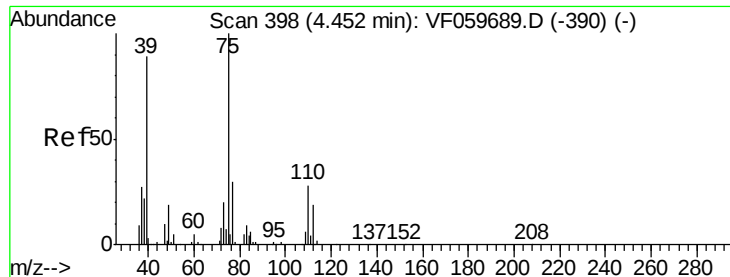
#35
 Dibromofluoromethane
 Concen: 36.491 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VF059778.D
 Acq: 2 Aug 2018 3:29

Tgt Ion:	113	Resp:	85931
Ion	Ratio	Lower	Upper
113	100		
111	101.4	79.0	118.4
192	15.6	13.2	19.8



Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

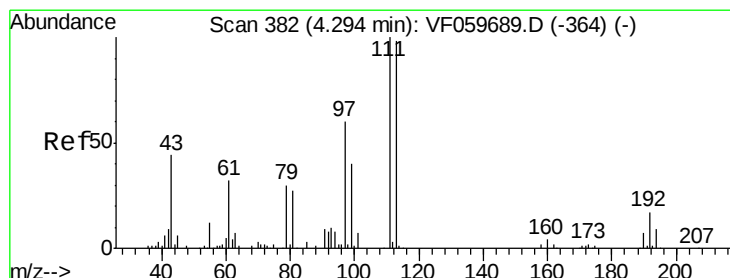
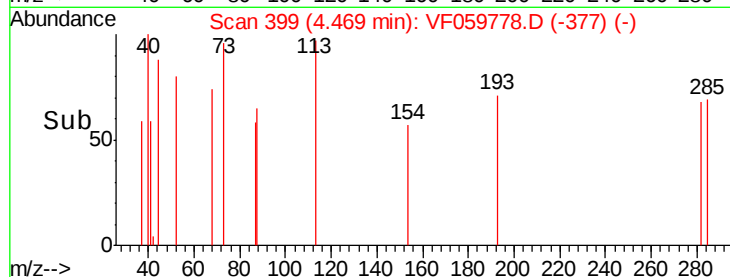
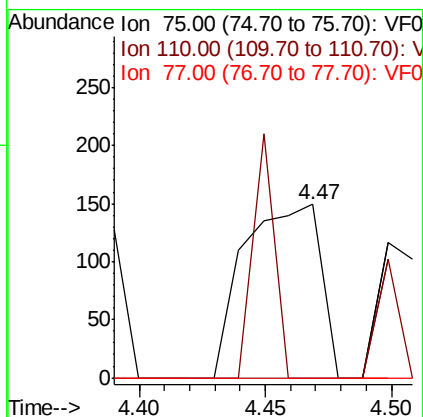
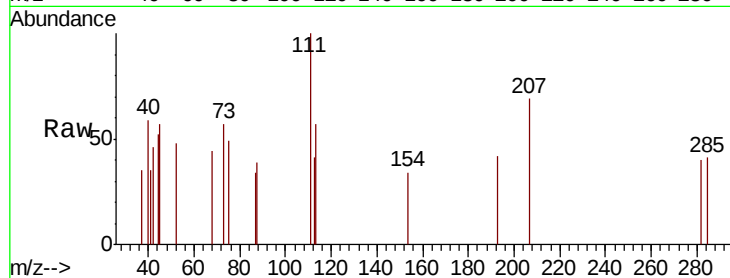




#36
 1,1-Dichloropropene
 Concen: Below Cal
 RT: 4.47 min Scan# 399
 Delta R.T. 0.02 min
 Lab File: VF059778.D
 Acq: 2 Aug 2018 3:29

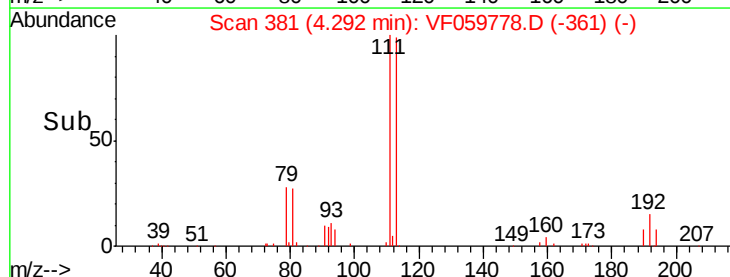
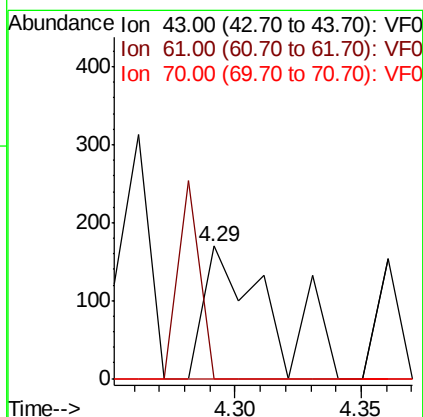
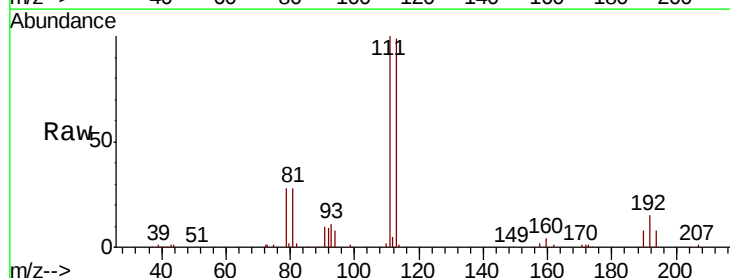
Instrument :
 MSVOA_F
 ClientSampled :
 SB-4(3-5)

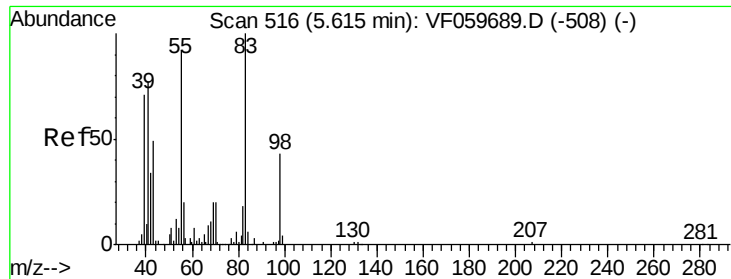
Tgt Ion: 75 Resp: 316
 Ion Ratio Lower Upper
 75 100
 110 0.0 14.0 41.9#
 77 0.0 24.2 36.2#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.29 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VF059778.D
 Acq: 2 Aug 2018 3:29

Tgt Ion: 43 Resp: 317
 Ion Ratio Lower Upper
 43 100
 61 0.0 58.2 87.2#
 70 0.0 6.0 9.0#

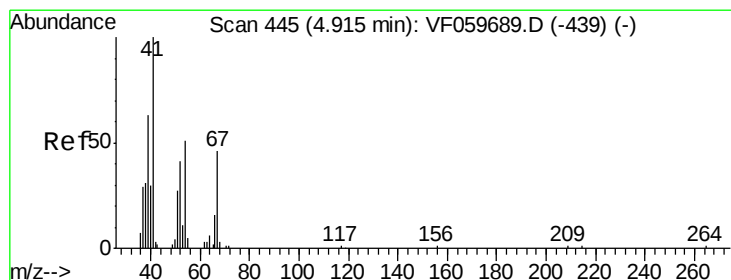
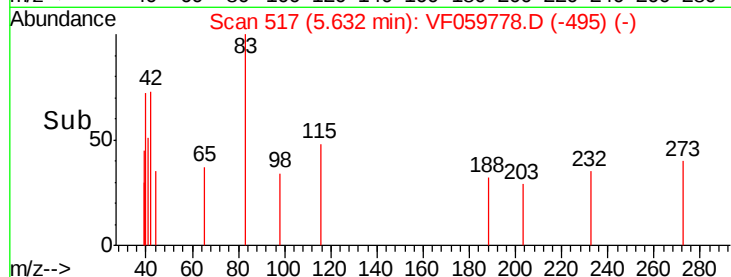
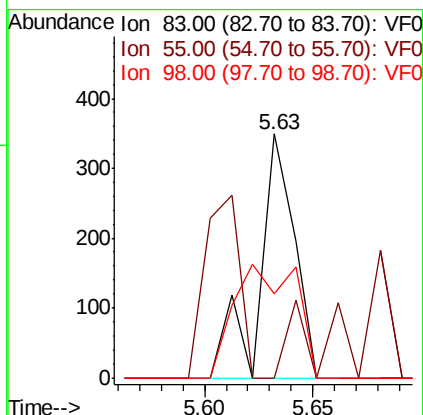
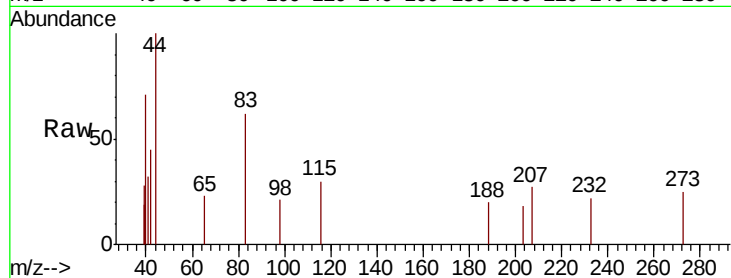




#39
Methylcyclohexane
Concen: Below Cal
RT: 5.63 min Scan# 517
Delta R.T. 0.02 min
Lab File: VF059778.D
Acq: 2 Aug 2018 3:29

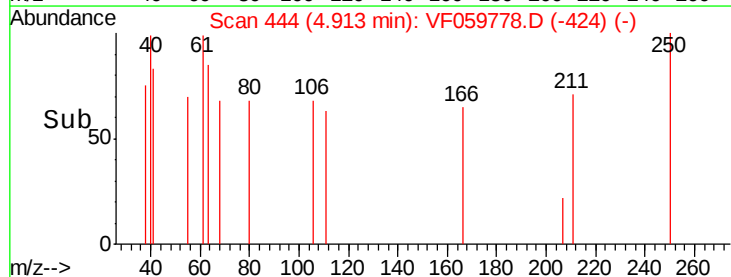
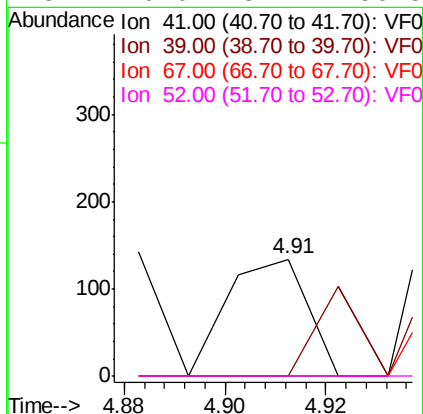
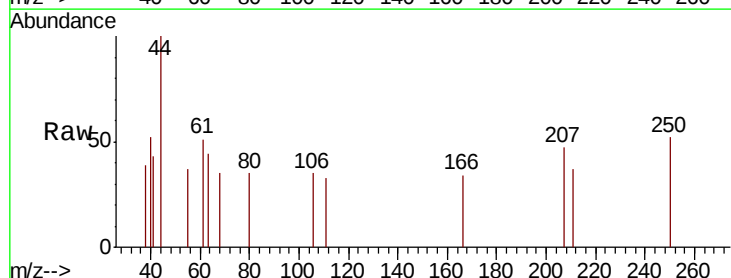
Instrument :
MSVOA_F
ClientSampleId :
SB-4(3-5)

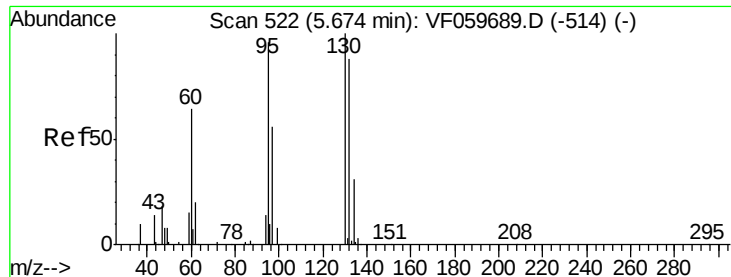
Tgt Ion: 83 Resp: 393
Ion Ratio Lower Upper
83 100
55 0.0 73.4 110.2#
98 34.4 34.2 51.4



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.91 min Scan# 444
Delta R.T. -0.00 min
Lab File: VF059778.D
Acq: 2 Aug 2018 3:29

Tgt Ion: 41 Resp: 148
Ion Ratio Lower Upper
41 100
39 0.0 55.2 82.8#
67 81.3 36.2 54.2#
52 0.0 37.7 56.5#

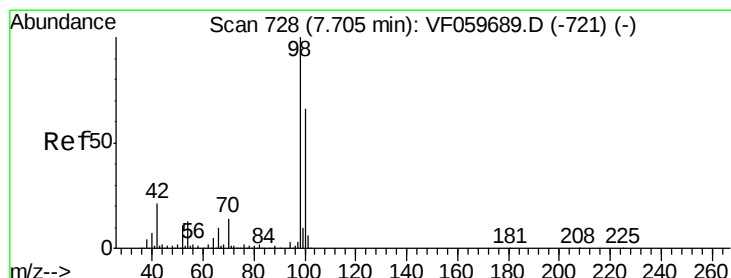
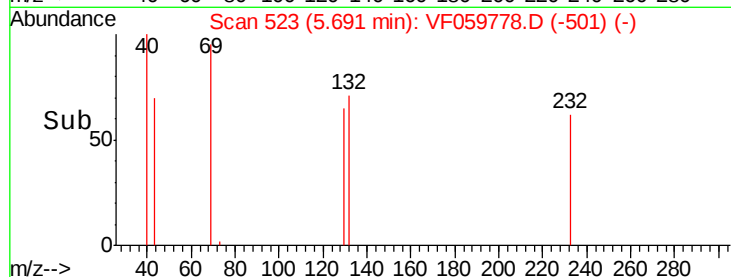
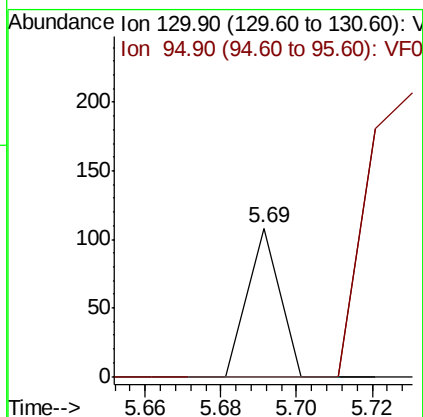
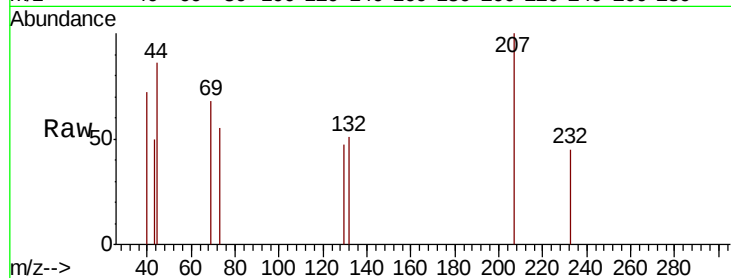




#44
 Trichloroethene
 Concen: Below Cal
 RT: 5.69 min Scan# 523
 Delta R.T. 0.02 min
 Lab File: VF059778.D
 Acq: 2 Aug 2018 3:29

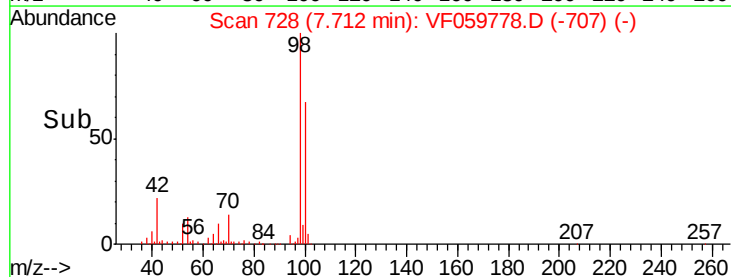
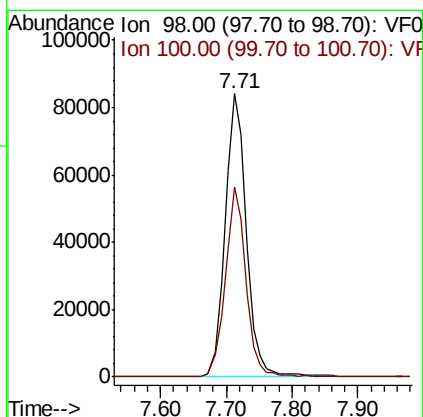
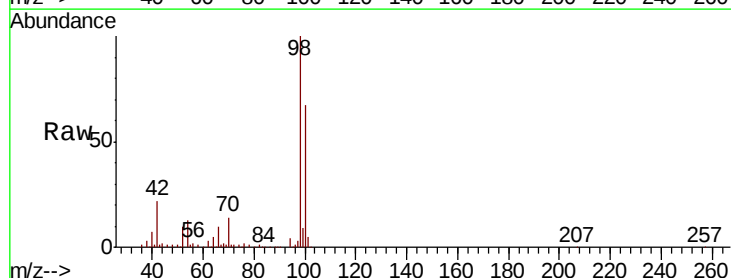
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-4(3-5)

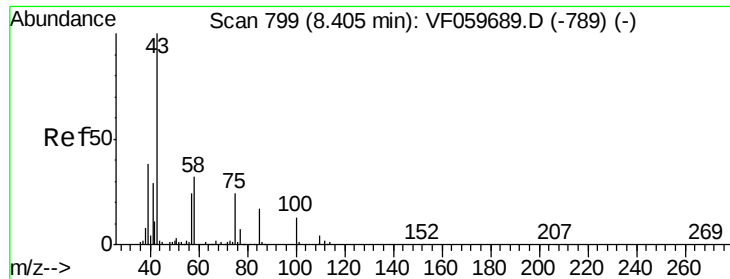
Tgt Ion:130 Resp: 64
 Ion Ratio Lower Upper
 130 100
 95 0.0 0.0 191.0



#50
 Toluene-d8
 Concen: 34.703 ug/l
 RT: 7.71 min Scan# 728
 Delta R.T. 0.01 min
 Lab File: VF059778.D
 Acq: 2 Aug 2018 3:29

Tgt Ion: 98 Resp: 190563
 Ion Ratio Lower Upper
 98 100
 100 67.2 52.8 79.2

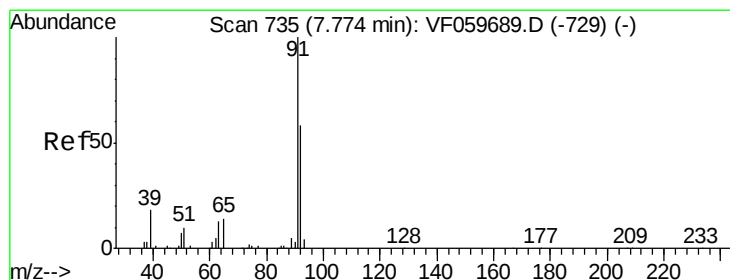
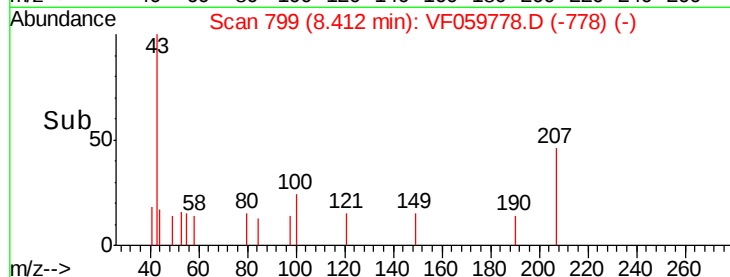
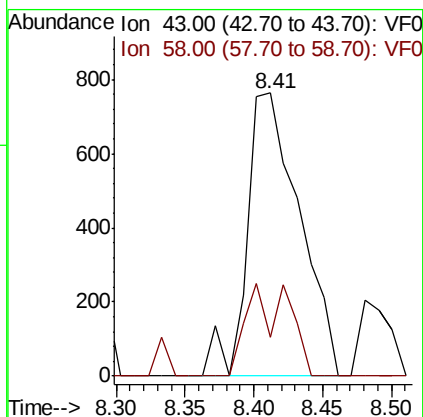
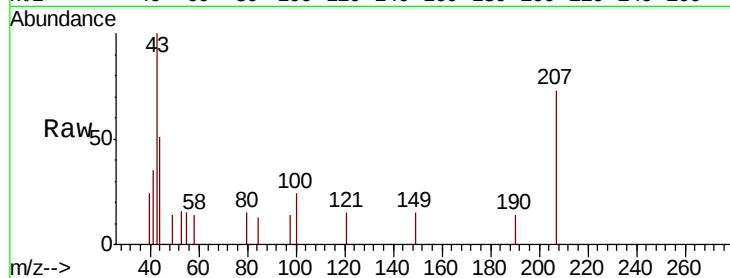




#51
 4-Methyl-2-Pentanone
 Concen: 1.976 ug/l
 RT: 8.41 min Scan# 799
 Delta R.T. 0.01 min
 Lab File: VF059778.D
 Acq: 2 Aug 2018 3:29

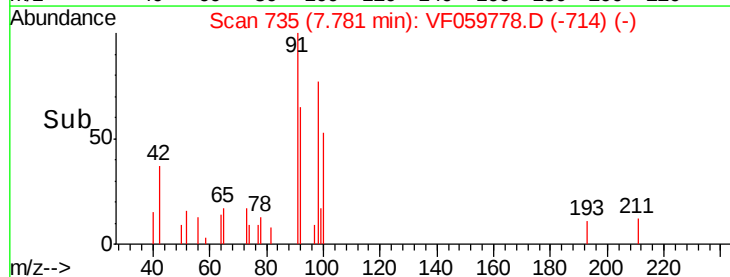
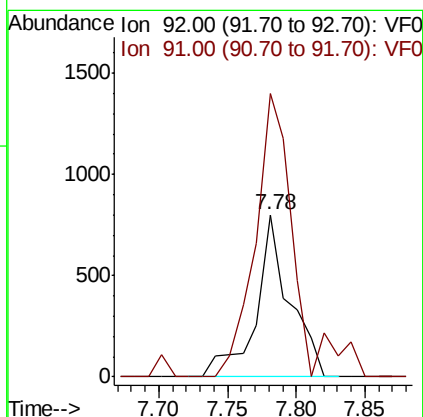
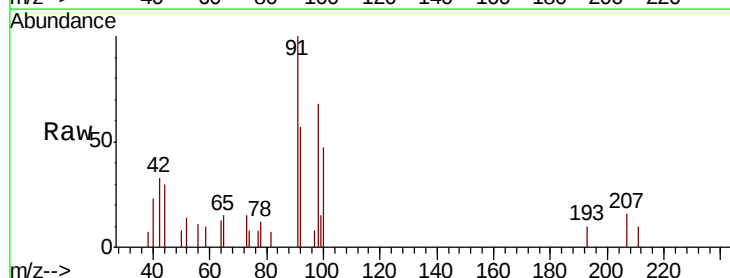
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-4(3-5)

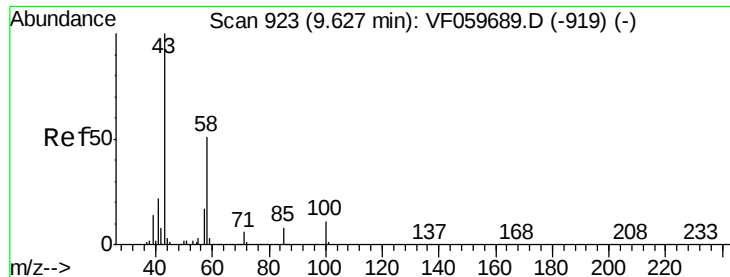
Tgt Ion: 43 Resp: 2038
 Ion Ratio Lower Upper
 43 100
 58 13.8 25.9 38.9#



#52
 Toluene
 Concen: Below Cal
 RT: 7.78 min Scan# 735
 Delta R.T. 0.01 min
 Lab File: VF059778.D
 Acq: 2 Aug 2018 3:29

Tgt Ion: 92 Resp: 1360
 Ion Ratio Lower Upper
 92 100
 91 174.3 139.0 208.4

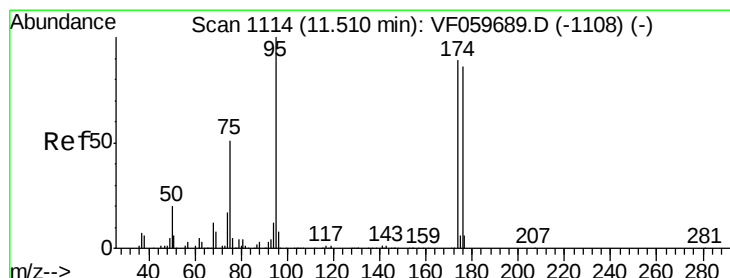
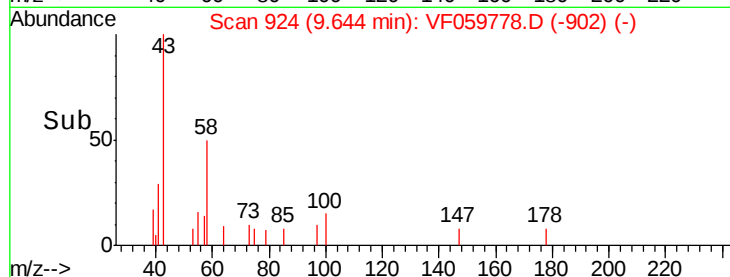
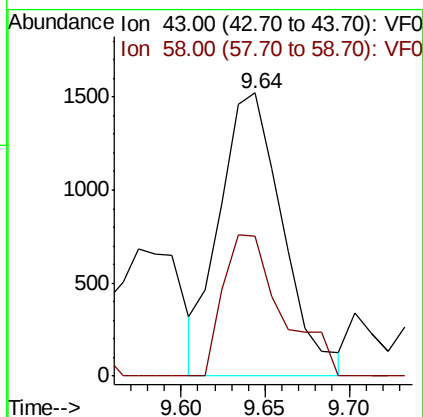
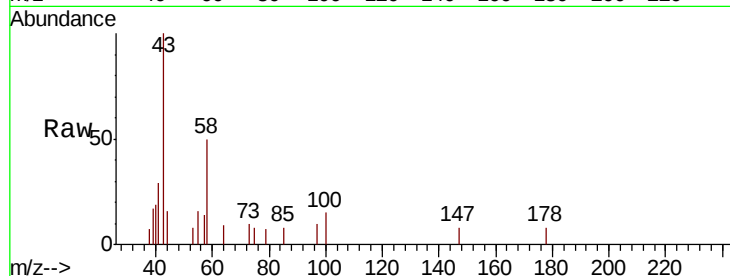




#59
2-Hexanone
Concen: 4.769 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.02 min
Lab File: VF059778.D
Acq: 2 Aug 2018 3:29

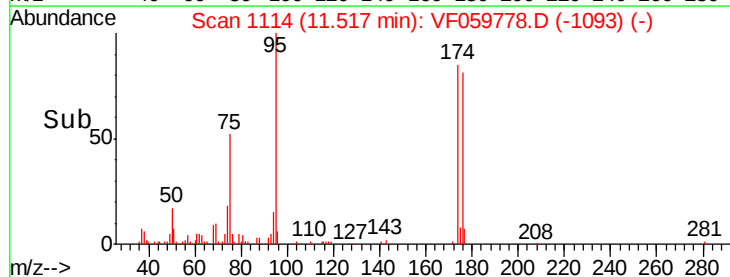
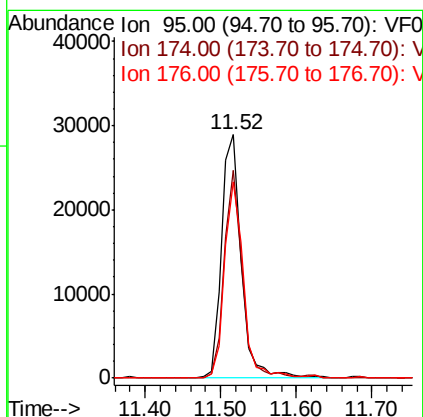
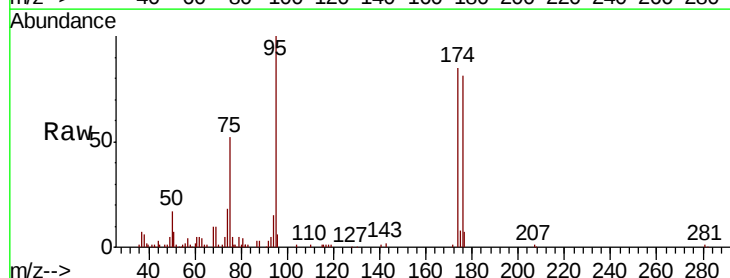
Instrument :
MSVOA_F
ClientSampleId :
SB-4(3-5)

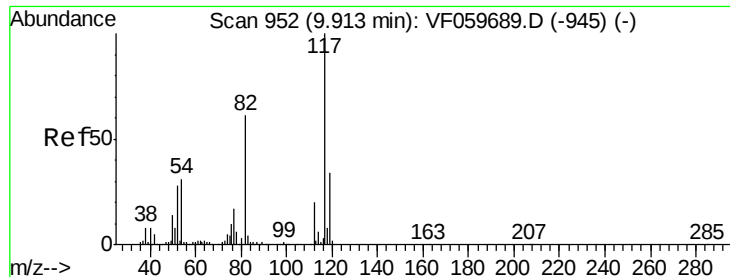
Tgt Ion: 43 Resp: 3941
Ion Ratio Lower Upper
43 100
58 49.5 23.3 69.8



#62
4-Bromofluorobenzene
Concen: 17.497 ug/l
RT: 11.52 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VF059778.D
Acq: 2 Aug 2018 3:29

Tgt Ion: 95 Resp: 53192
Ion Ratio Lower Upper
95 100
174 85.4 0.0 178.4
176 80.8 0.0 173.0

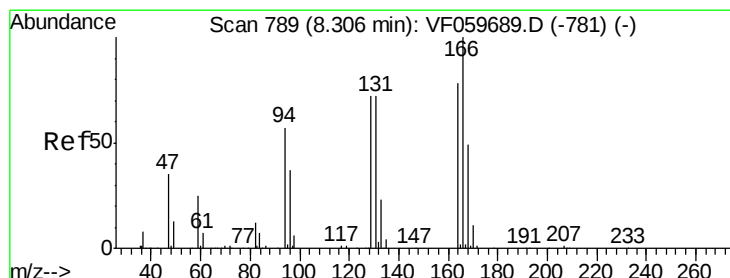
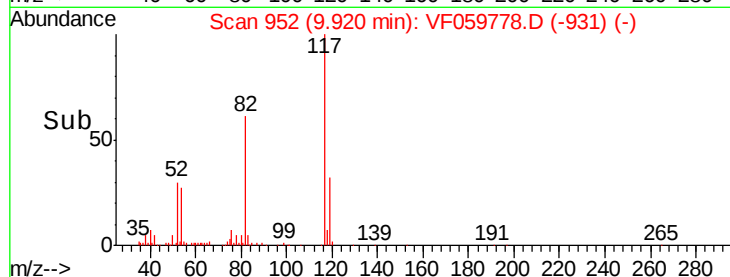
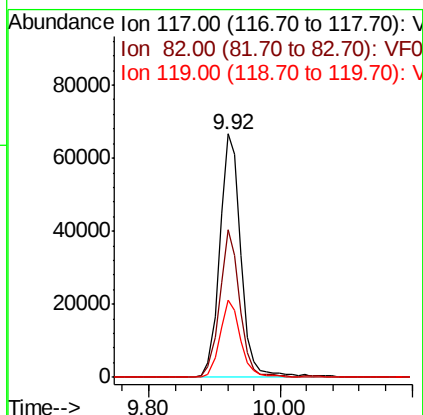
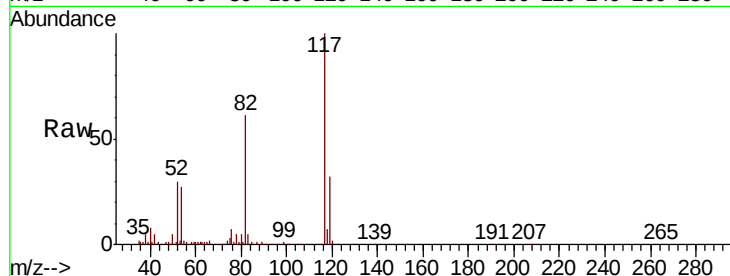




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF059778.D
Acq: 2 Aug 2018 3:29

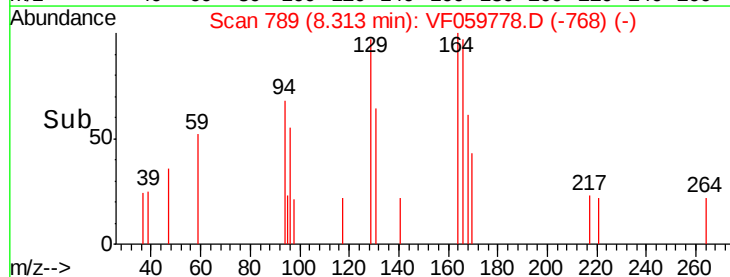
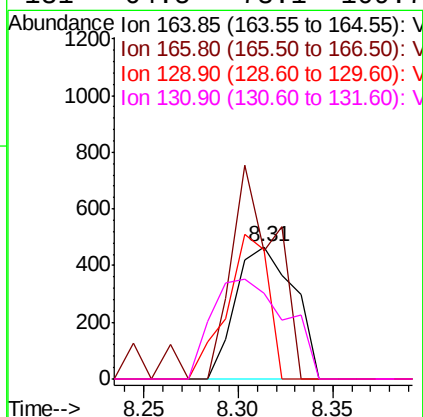
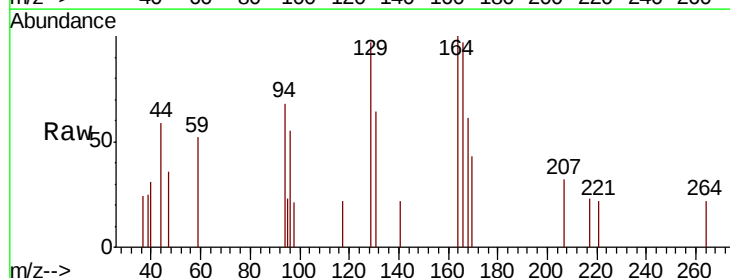
Instrument :
MSVOA_F
ClientSampleId :
SB-4(3-5)

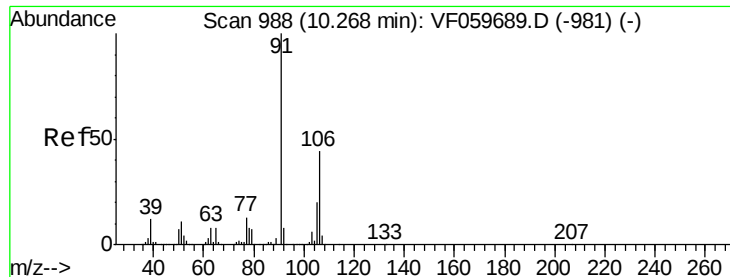
Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.5	49.0	73.4
119	31.6	27.3	40.9



#64
Tetrachloroethene
Concen: Below Cal
RT: 8.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF059778.D
Acq: 2 Aug 2018 3:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	96.6	102.1	153.1#
129	97.4	73.8	110.6
131	64.5	73.1	109.7#

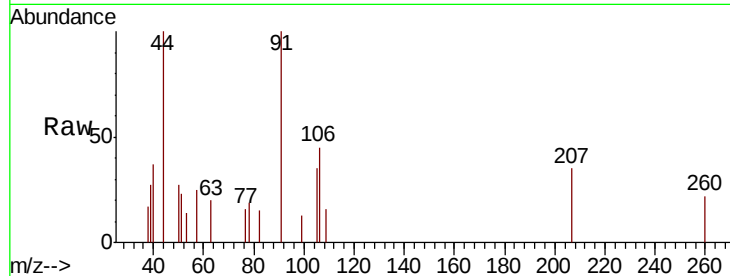




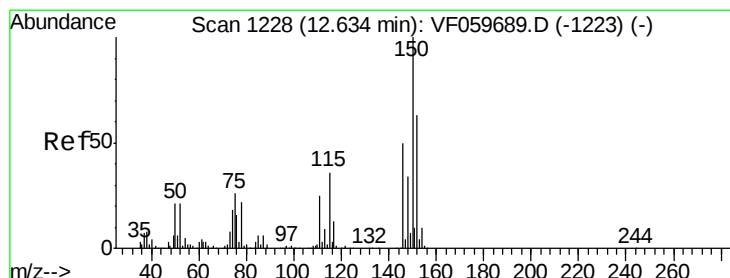
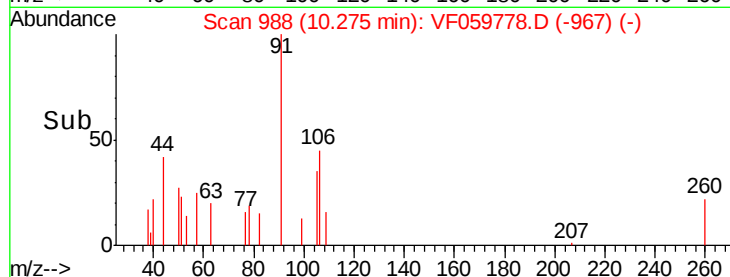
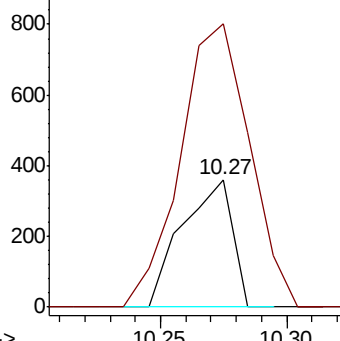
#68
m/p-Xylenes
Concen: Below Cal
RT: 10.27 min Scan# 988
Delta R.T. 0.01 min
Lab File: VF059778.D
Acq: 2 Aug 2018 3:29

Instrument :
MSVOA_F
ClientSampled :
SB-4(3-5)

Tgt Ion:106 Resp: 501
Ion Ratio Lower Upper
106 100
91 222.5 181.7 272.5

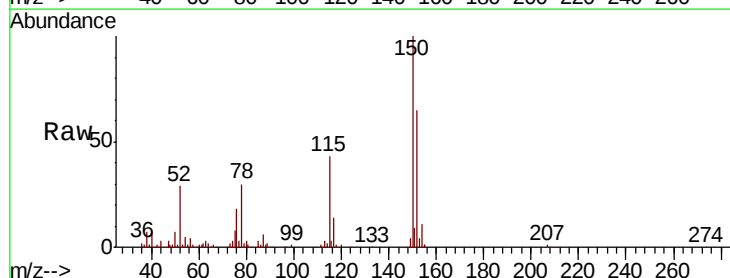


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

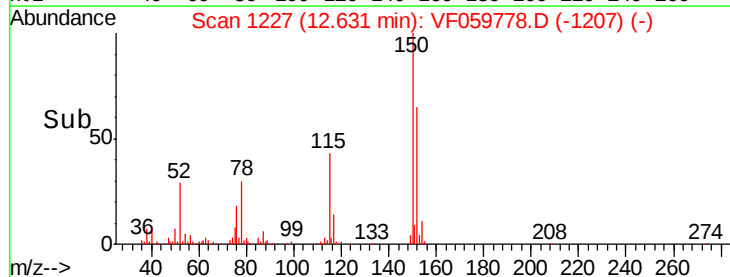
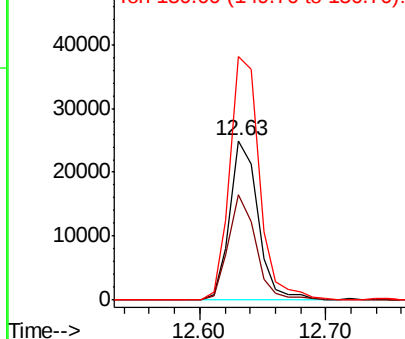


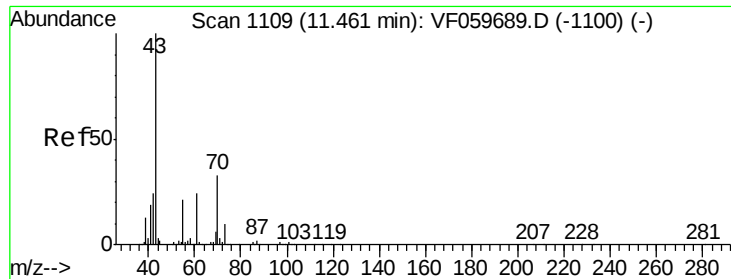
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059778.D
Acq: 2 Aug 2018 3:29

Tgt Ion:152 Resp: 38560
Ion Ratio Lower Upper
152 100
115 65.9 28.2 84.6
150 152.7 0.0 316.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#74

N-ethyl acetate

Concen: 3.891 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF059778.D

Acq: 2 Aug 2018 3:29

Instrument :

MSVOA_F

ClientSampled :

SB-4(3-5)

Tgt Ion: 43 Resp: 2484

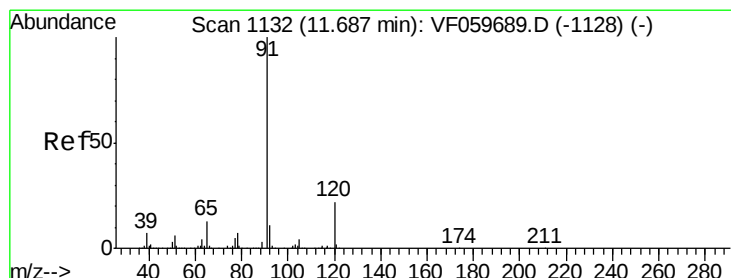
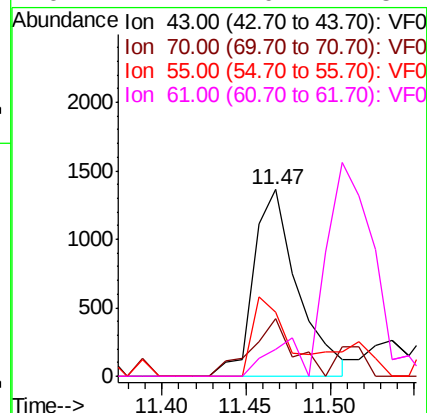
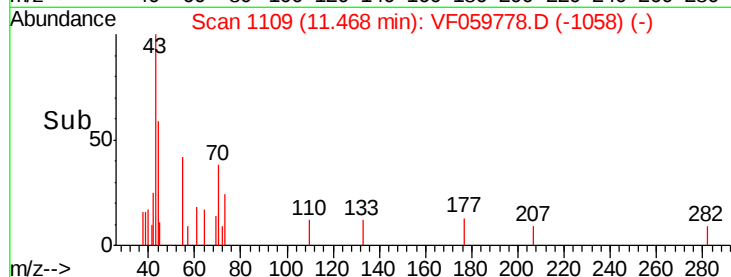
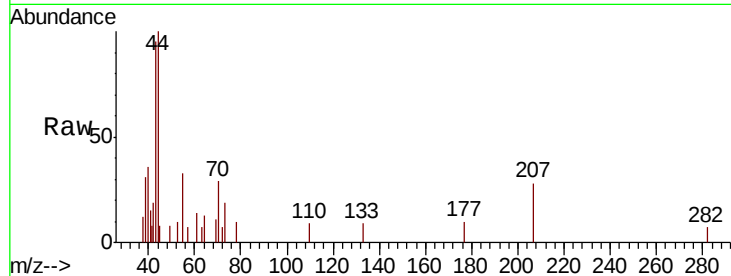
Ion Ratio Lower Upper

43 100

70 31.2 26.3 39.5

55 34.5 16.6 25.0#

61 14.4 19.1 28.7#



#78

n-propylbenzene

Concen: Below Cal

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF059778.D

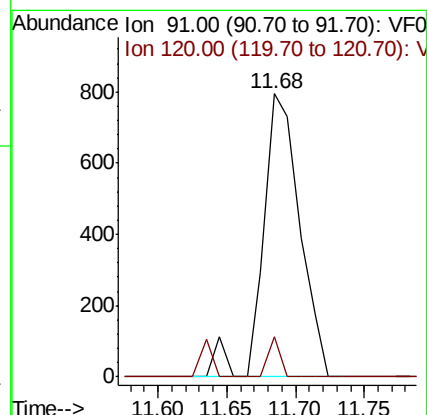
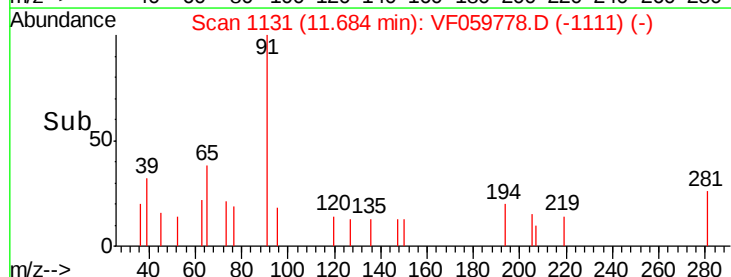
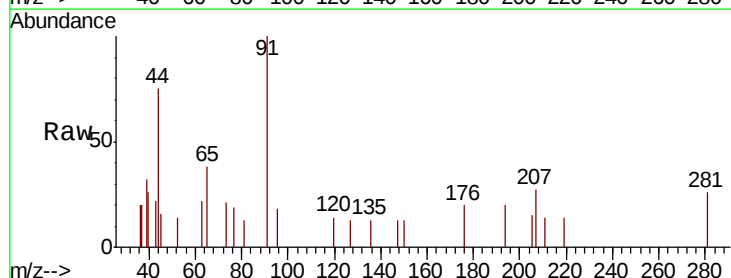
Acq: 2 Aug 2018 3:29

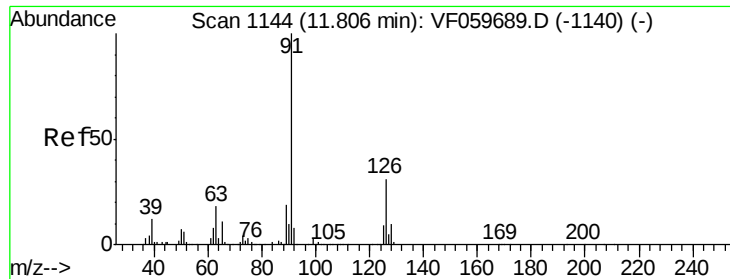
Tgt Ion: 91 Resp: 1473

Ion Ratio Lower Upper

91 100

120 14.2 11.0 33.0

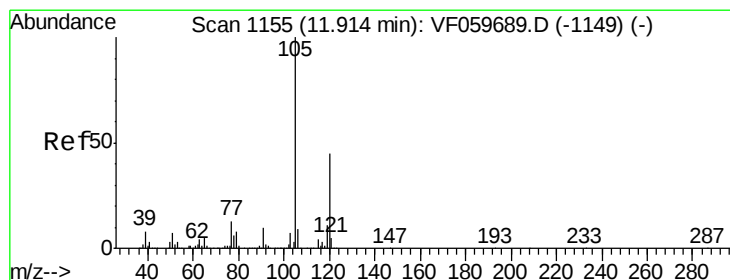
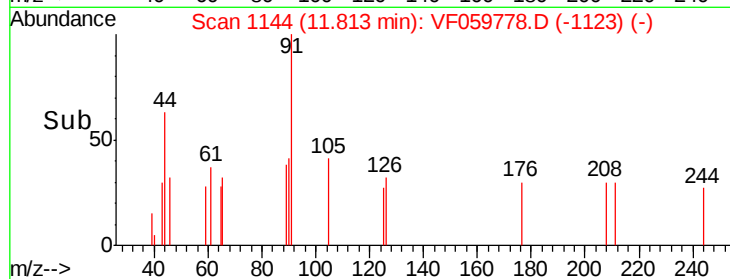
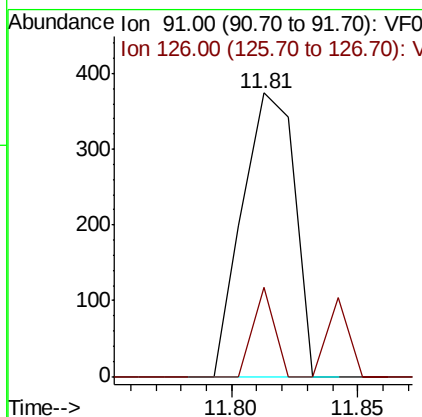
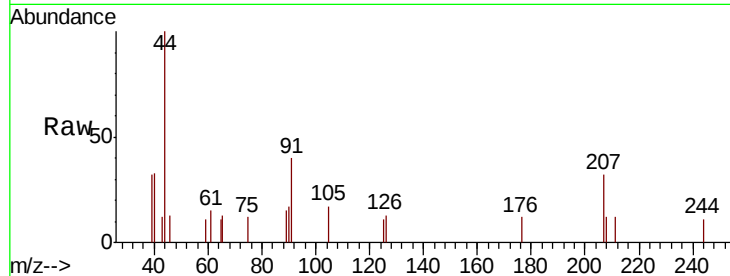




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VF059778.D
 Acq: 2 Aug 2018 3:29

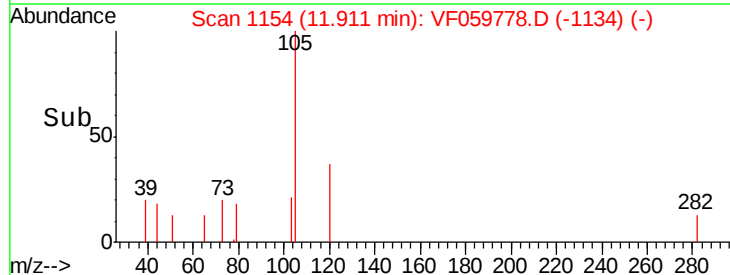
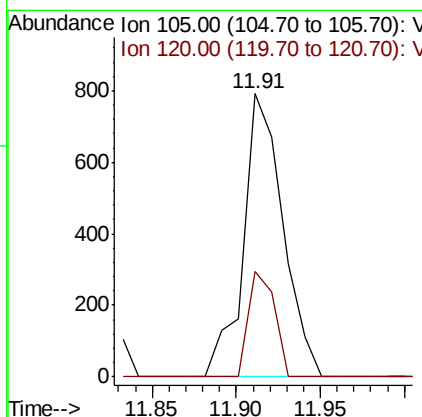
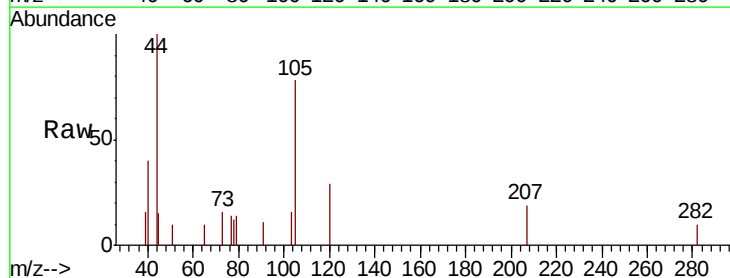
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-4(3-5)

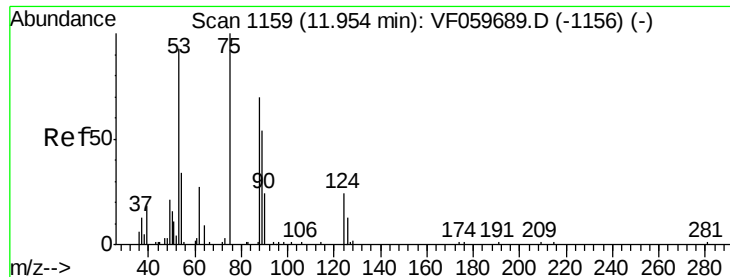
Tgt Ion: 91 Resp: 542
 Ion Ratio Lower Upper
 91 100
 126 31.6 15.4 46.2



#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VF059778.D
 Acq: 2 Aug 2018 3:29

Tgt Ion: 105 Resp: 1291
 Ion Ratio Lower Upper
 105 100
 120 37.2 22.7 68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 1.801 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VF059778.D

Acq: 2 Aug 2018 3:29

Instrument :

MSVOA_F

ClientSampleId :

SB-4(3-5)

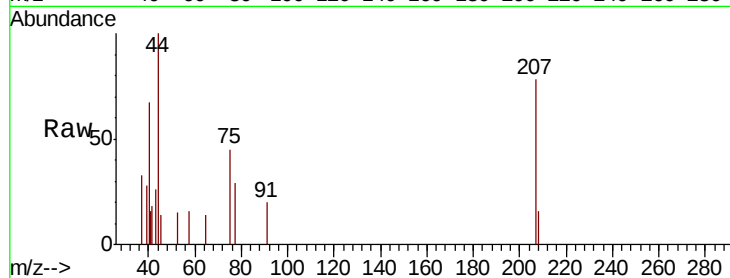
Tgt Ion: 75 Resp: 302

Ion Ratio Lower Upper

75 100

53 0.0 78.3 117.5#

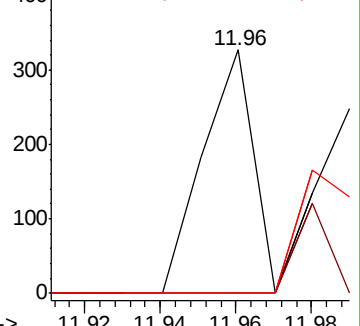
89 0.0 45.4 68.2#



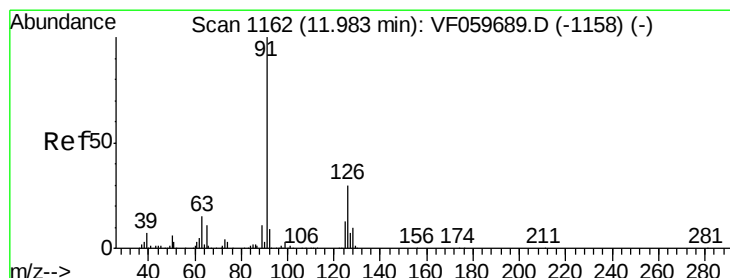
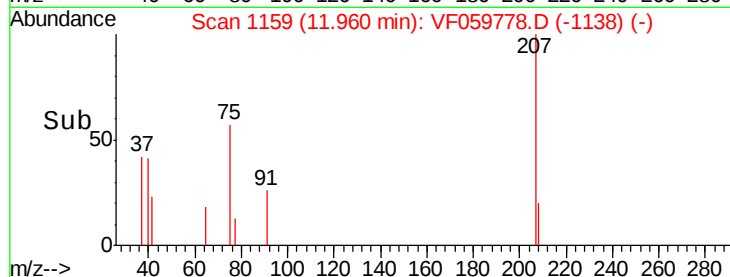
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



Time-->



#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.81 min Scan# 1144

Delta R.T. -0.17 min

Lab File: VF059778.D

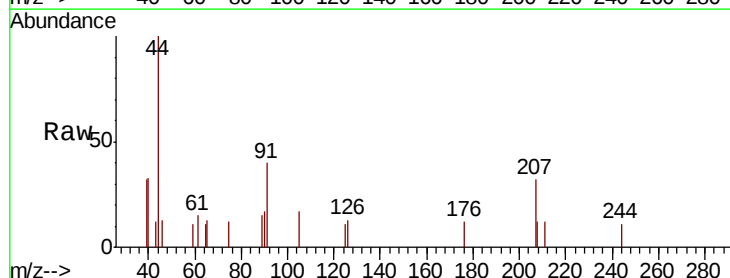
Acq: 2 Aug 2018 3:29

Tgt Ion: 91 Resp: 424

Ion Ratio Lower Upper

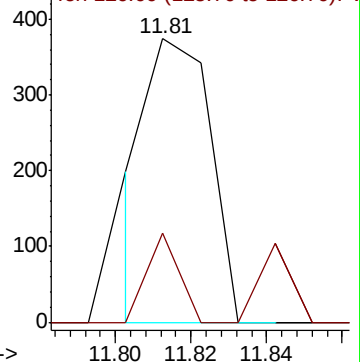
91 100

126 31.6 15.2 45.6

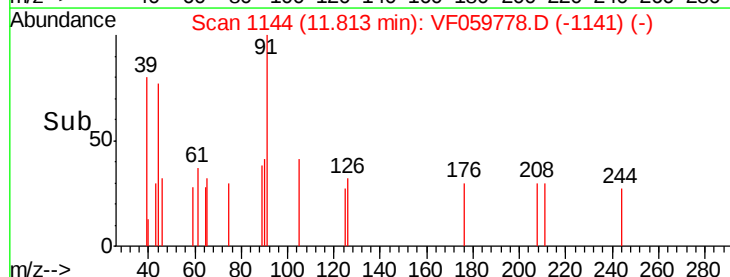


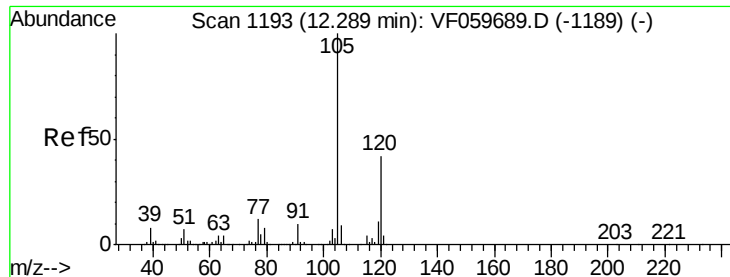
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time-->

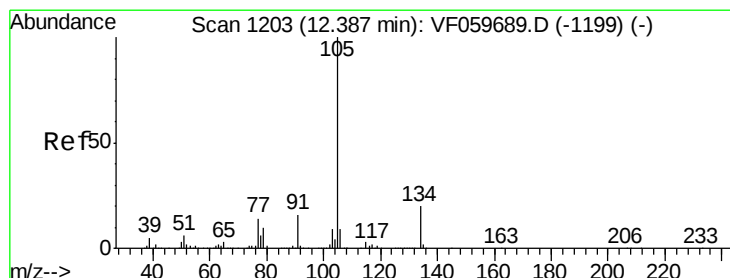
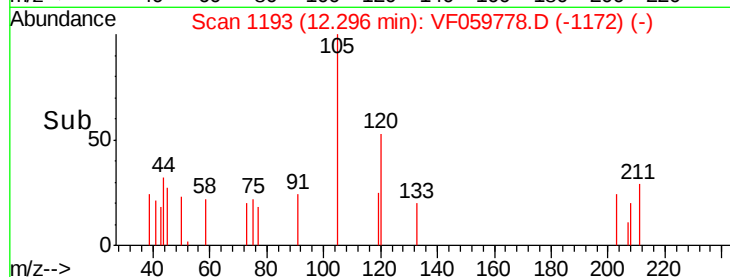
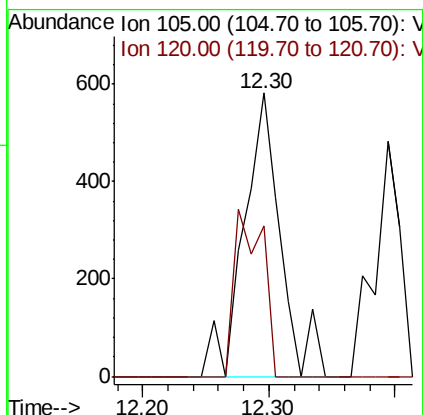
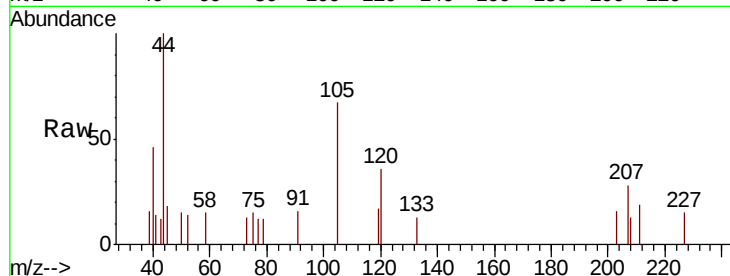




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 12.30 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: VF059778.D
 Acq: 2 Aug 2018 3:29

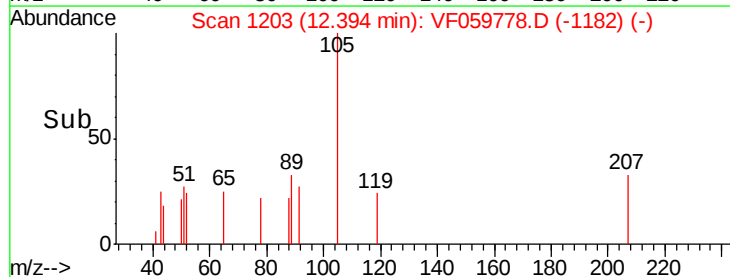
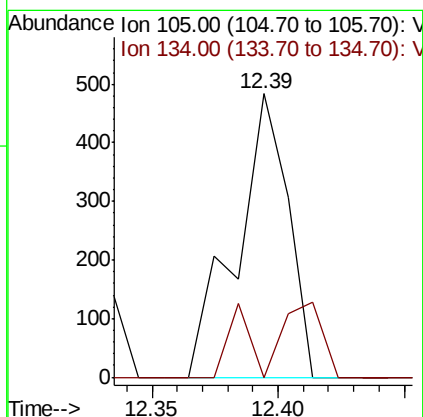
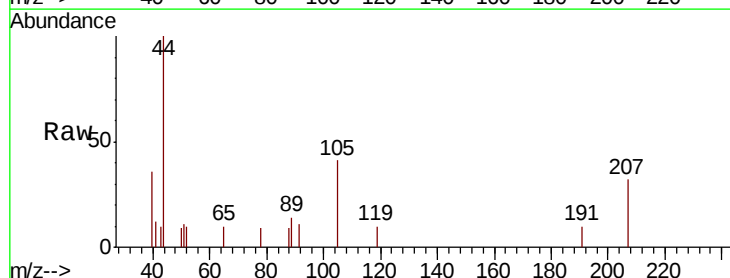
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-4(3-5)

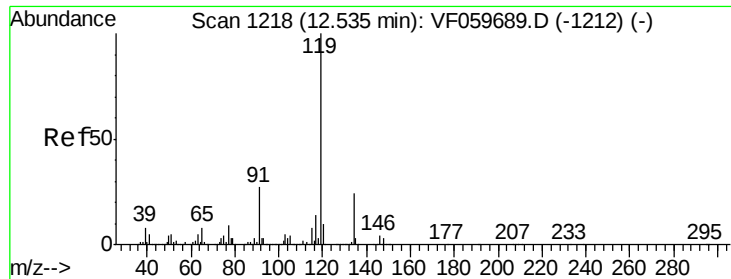
Tgt Ion:105 Resp: 1184
 Ion Ratio Lower Upper
 105 100
 120 53.1 21.1 63.3



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VF059778.D
 Acq: 2 Aug 2018 3:29

Tgt Ion:105 Resp: 688
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#

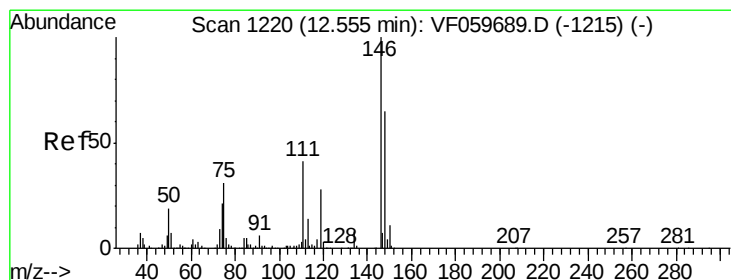
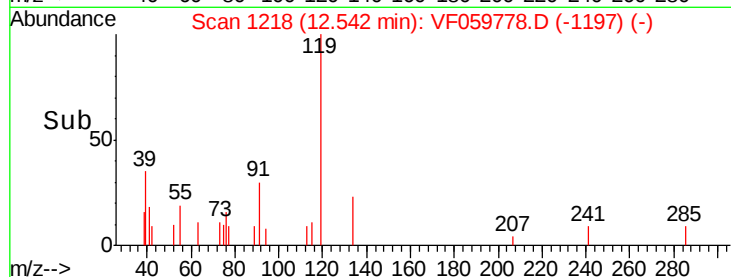
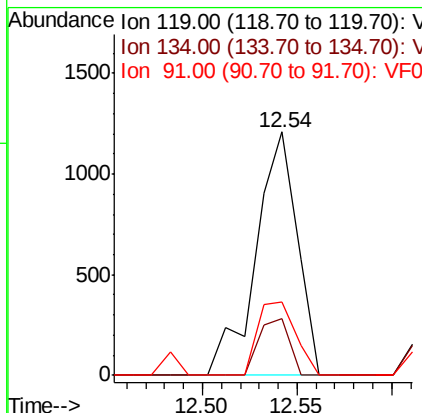
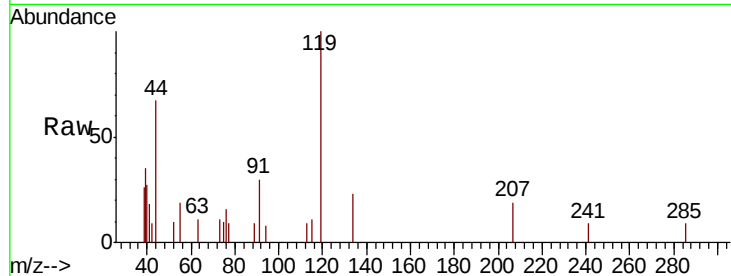




#86
p-Isopropyltoluene
Concen: Below Cal
RT: 12.54 min Scan# 1218
Delta R.T. 0.01 min
Lab File: VF059778.D
Acq: 2 Aug 2018 3:29

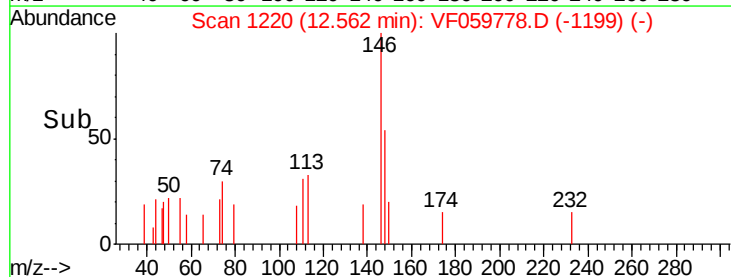
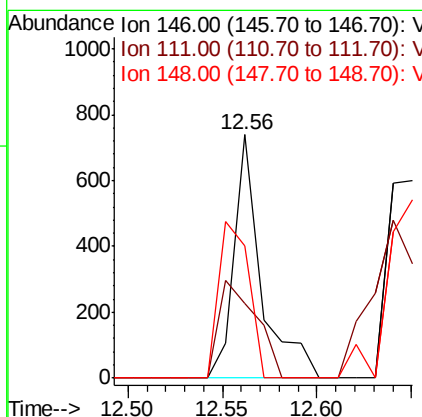
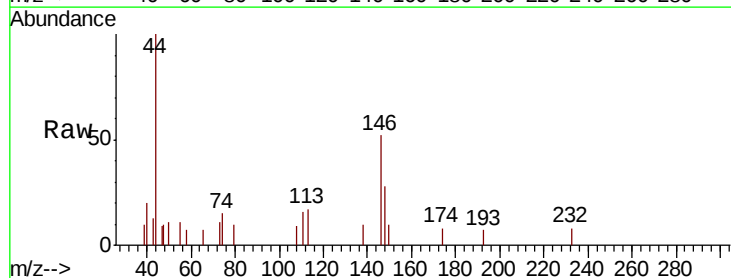
Instrument :
MSVOA_F
ClientSampleId :
SB-4(3-5)

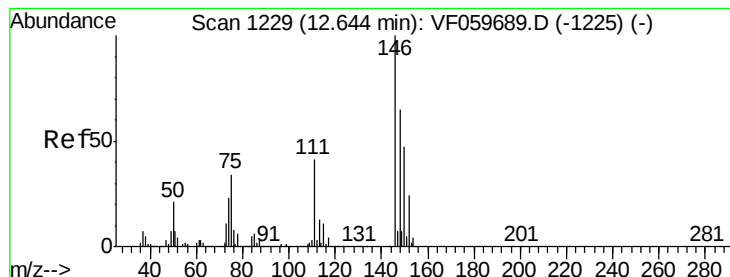
Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.2	12.2	36.6
91	30.0	13.4	40.2



#87
1,3-Dichlorobenzene
Concen: Below Cal
RT: 12.56 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VF059778.D
Acq: 2 Aug 2018 3:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	30.6	20.7	62.1
148	54.1	32.3	96.8





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VF059778.D

Acq: 2 Aug 2018 3:29

Instrument :

MSVOA_F

ClientSampleId :

SB-4(3-5)

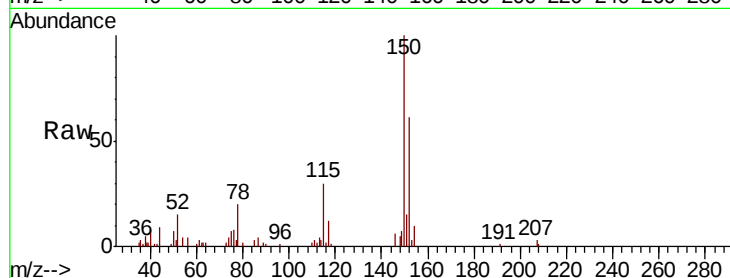
Tgt Ion: 146 Resp: 948

Ion Ratio Lower Upper

146 100

111 57.7 20.8 62.2

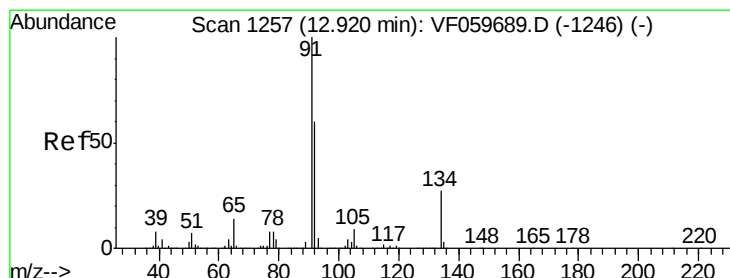
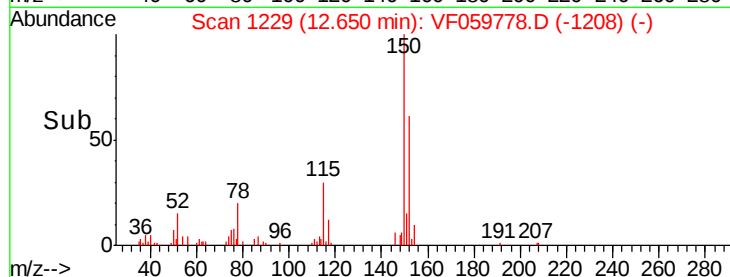
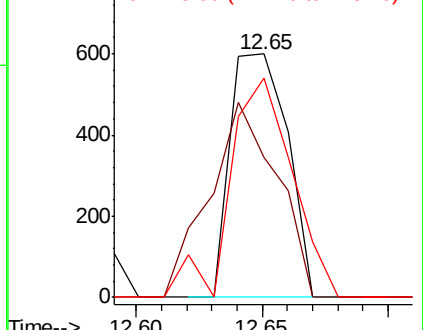
148 90.0 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#89

n-Butylbenzene

Concen: Below Cal

RT: 12.92 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VF059778.D

Acq: 2 Aug 2018 3:29

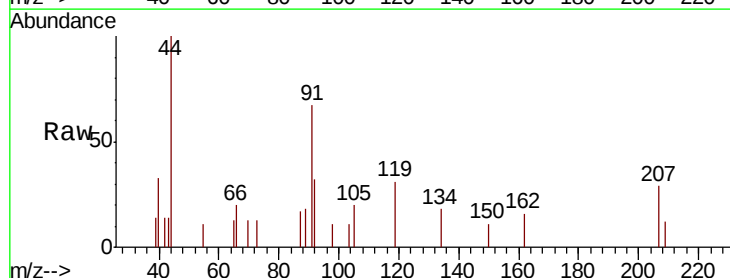
Tgt Ion: 91 Resp: 1193

Ion Ratio Lower Upper

91 100

92 47.4 30.1 90.3

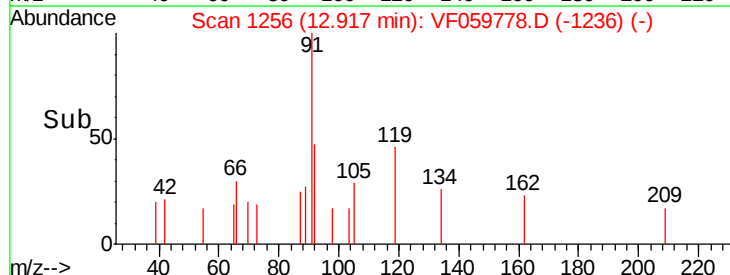
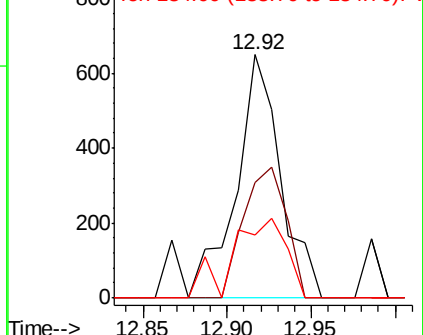
134 26.0 13.7 41.0

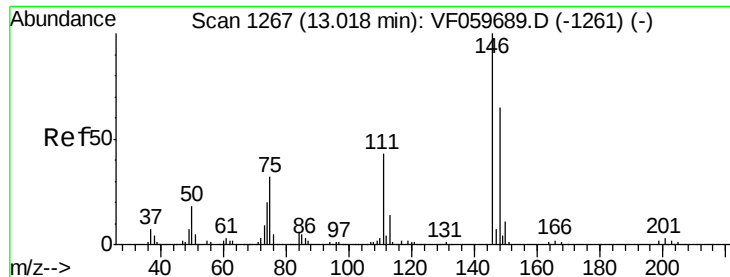


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

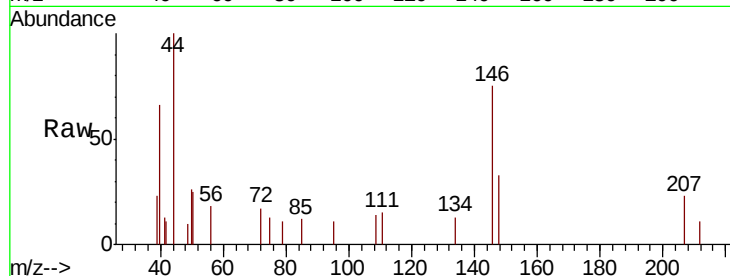




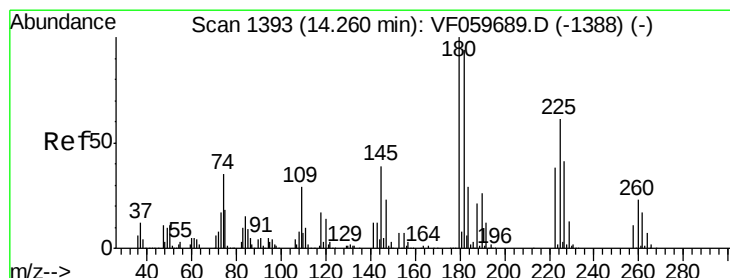
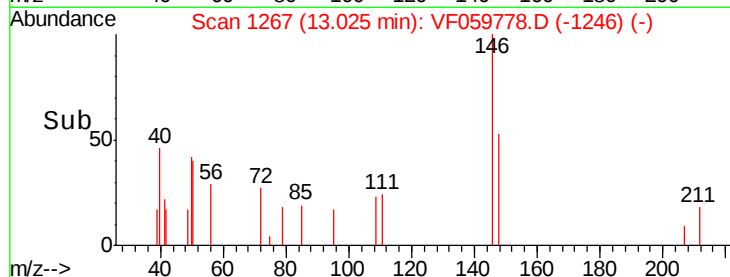
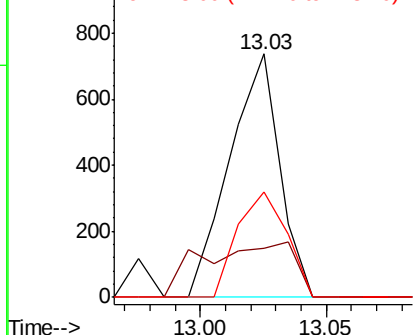
#91
 1,2-Dichlorobenzene
 Concen: Below Cal
 RT: 13.03 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VF059778.D
 Acq: 2 Aug 2018 3:29

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-4(3-5)

Tgt Ion	Ratio	Lower	Upper
146	100		
111	19.9	21.6	65.0#
148	43.3	32.3	96.9

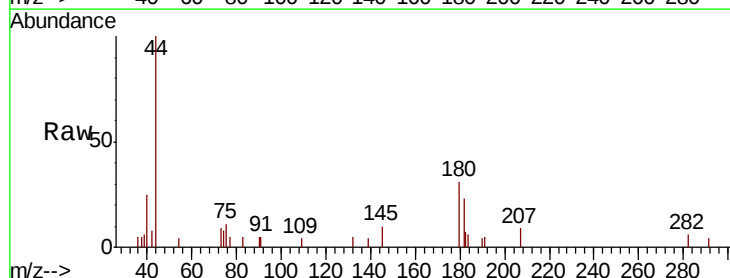


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

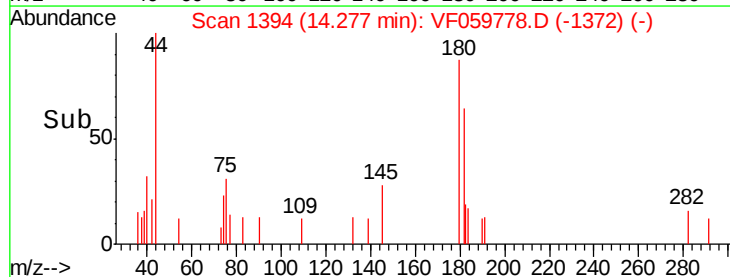
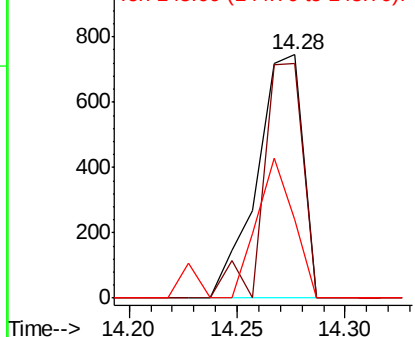


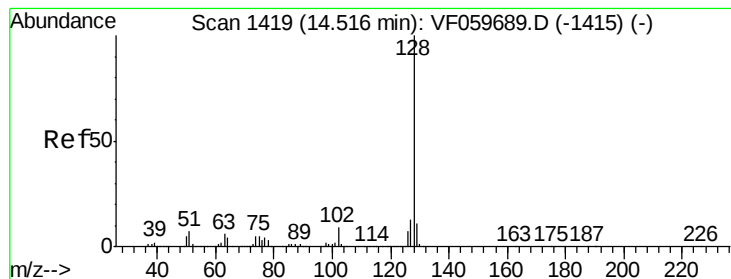
#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 14.28 min Scan# 1394
 Delta R.T. 0.02 min
 Lab File: VF059778.D
 Acq: 2 Aug 2018 3:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.2	141.6
145	32.0	19.3	57.9



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#95

Naphthalene

Concen: 9.154 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.01 min

Lab File: VF059778.D

Acq: 2 Aug 2018 3:29

Instrument :

MSVOA_F

ClientSampled :

SB-4(3-5)

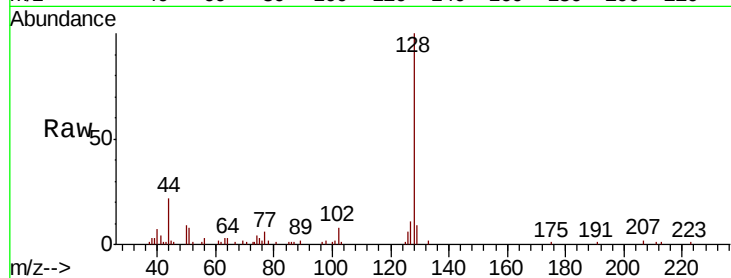
Tgt Ion:128 Resp: 15219

Ion Ratio Lower Upper

128 100

127 11.0 10.0 15.0

129 9.0 8.6 13.0

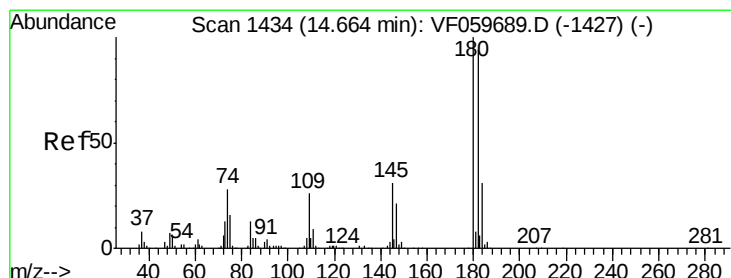
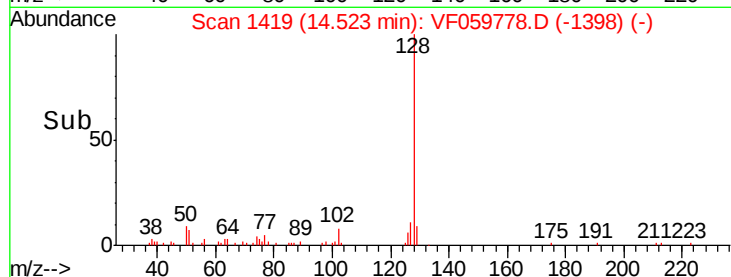
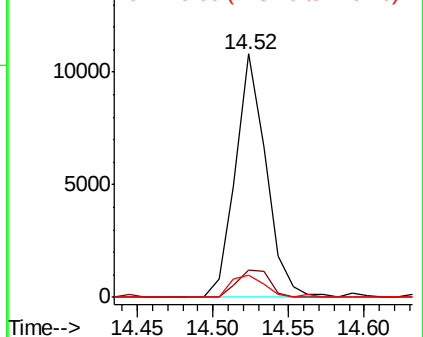


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.258 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VF059778.D

Acq: 2 Aug 2018 3:29

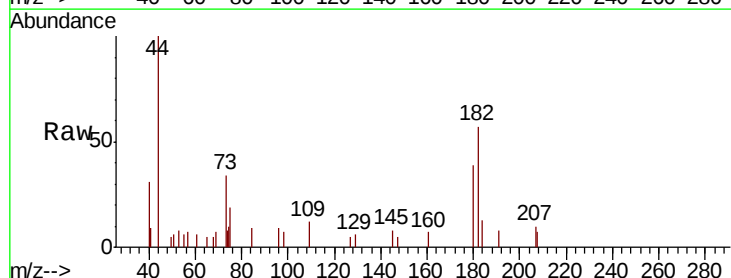
Tgt Ion:180 Resp: 1156

Ion Ratio Lower Upper

180 100

182 145.7 47.2 141.6#

145 19.4 15.6 46.7



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

