

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011420\
 Data File : VN059694.D
 Acq On : 14 Jan 2020 8:44
 Operator : JC/SP
 Sample : BFB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Quant Time: Jan 14 22:14:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	63	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	864	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	433	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	538	768.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1537.96%	
35) Dibromofluoromethane	7.56	113	59	11.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.90%	
50) Toluene-d8	10.08	98	1360	68.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.26%	
62) 4-Bromofluorobenzene	12.40	95	47582	6611.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13223.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	260	353.213	ug/l #	43
3) Chloromethane	2.04	50	946	1311.575	ug/l #	61
5) Bromomethane	2.55	94	61	121.121	ug/l	84
6) Chloroethane	2.41	64	99	253.565	ug/l #	62
13) Acrolein	3.60	56	142	1703.182	ug/l #	13
14) Allyl chloride	4.29	41	163	209.809	ug/l #	1
16) Acetone	3.79	43	4285	18695.728	ug/l	92
17) Carbon Disulfide	4.03	76	1463	891.025	ug/l #	75
18) Methyl Acetate	4.31	43	1031	1261.600	ug/l #	54
20) Methylene Chloride	4.53	84	752	1218.269	ug/l #	64
23) Vinyl Acetate	5.91	43	95	69.693	ug/l #	74
25) 2-Butanone	6.81	43	324	817.776	ug/l #	50
29) Tetrahydrofuran	7.19	42	441	1799.011	ug/l #	35
31) Cyclohexane	7.64	56	29	28.015	ug/l #	18
37) Ethyl Acetate	6.91	43	101	14.312	ug/l #	69
40) Benzene	8.03	78	59	2.629	ug/l #	52
41) Methacrylonitrile	7.16	41	167	48.045	ug/l #	100
43) Isopropyl Acetate	8.19	43	94	7.744	ug/l #	56
48) Methyl methacrylate	9.19	41	93	17.129	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	934	133.111	ug/l #	61
52) Toluene	10.14	92	234	16.509	ug/l #	71
59) 2-Hexanone	10.76	43	398	76.994	ug/l #	26
65) Chlorobenzene	11.43	112	204	9.548	ug/l #	42
67) Ethyl Benzene	11.51	91	307	7.915	ug/l #	45
68) m/p-Xylenes	11.62	106	100	6.826	ug/l #	1
70) Styrene	11.97	104	292	12.166	ug/l #	32
71) Bromoform	12.40	173	334	50.508	ug/l #	1
73) Isopropylbenzene	12.25	105	215	6.770	ug/l #	49
74) N-amyl acetate	12.07	43	95	7.710	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	23749	3259.112	ug/l #	100
78) n-propylbenzene	12.59	91	564	15.824	ug/l #	54
79) 2-Chlorotoluene	12.67	91	233	10.989	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.73	105	93	3.482	ug/l #	29
81) trans-1,4-Dichloro-2-buten	12.40	75	23749	6998.957	ug/l #	11

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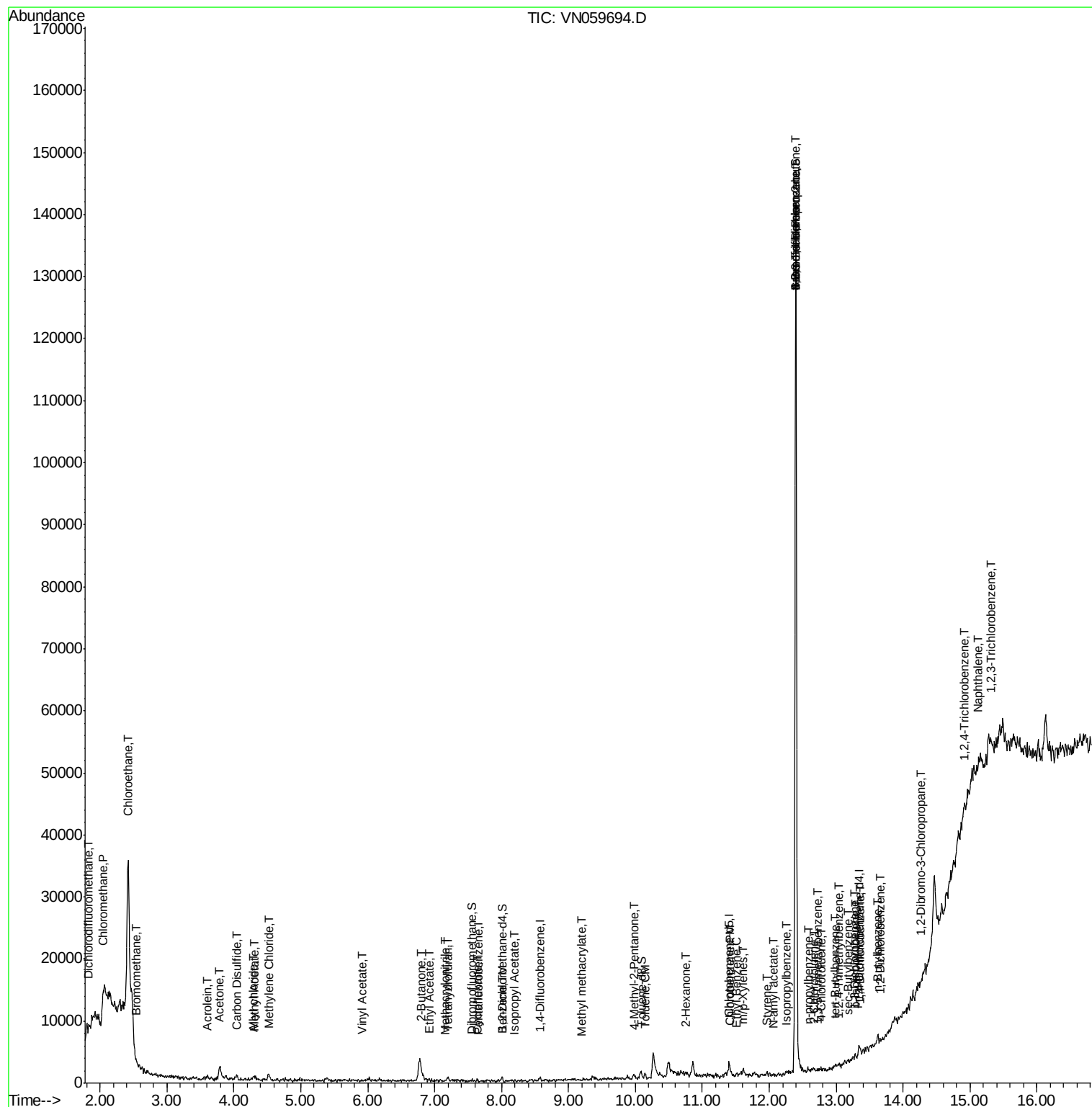
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	12.77	91	471	22.146	ug/l #	53
83) tert-Butylbenzene	12.99	119	129	5.585	ug/l #	24
84) 1,2,4-Trimethylbenzene	13.04	105	346	13.095	ug/l #	31
85) sec-Butylbenzene	13.17	105	333	10.973	ug/l #	57
86) p-Isopropyltoluene	13.28	119	413	14.708	ug/l #	50
87) 1,3-Dichlorobenzene	13.27	146	145	10.380	ug/l #	24
88) 1,4-Dichlorobenzene	13.36	146	304	21.815	ug/l #	72
89) n-Butylbenzene	13.61	91	472	19.714	ug/l #	60
91) 1,2-Dichlorobenzene	13.65	146	270	19.551	ug/l #	32
92) 1,2-Dibromo-3-Chloropropan	14.26	75	134	68.591	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.90	180	551	66.400	ug/l	69
95) Naphthalene	15.13	128	1542	65.330	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.31	180	755	93.473	ug/l	83

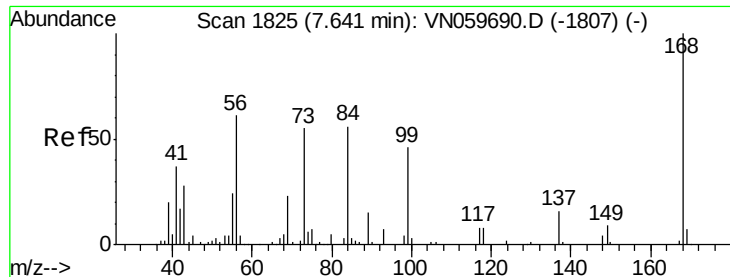
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN059694.D

Acq: 14 Jan 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

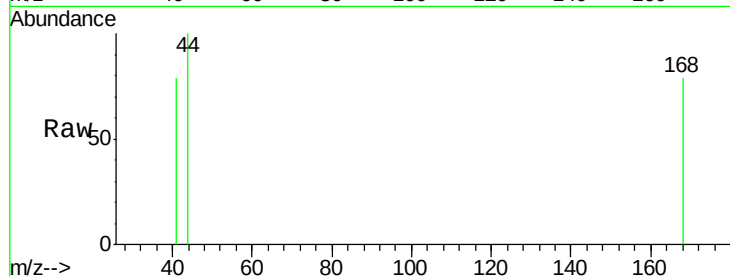
BFB

Tgt Ion: 168 Resp: 63

Ion Ratio Lower Upper

168 100

99 0.0 48.2 72.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150

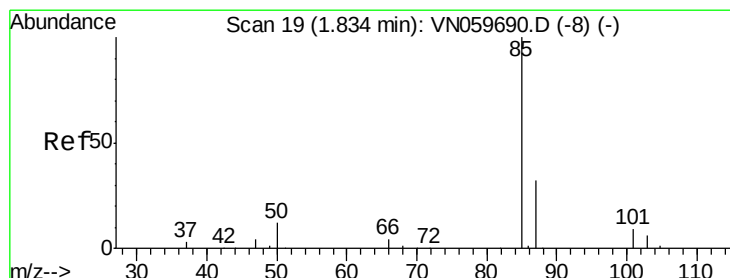
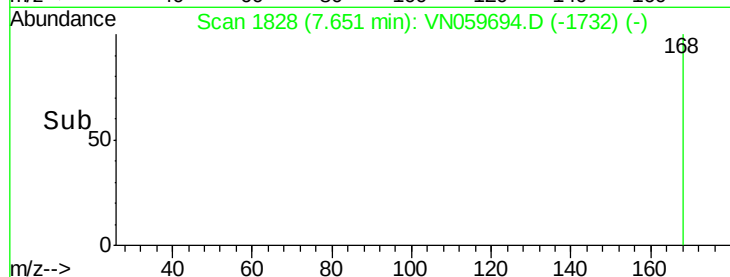
100

50

0

7.64 7.65 7.66

Time-->



#2

Dichlorodifluoromethane

Concen: 353.213 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059694.D

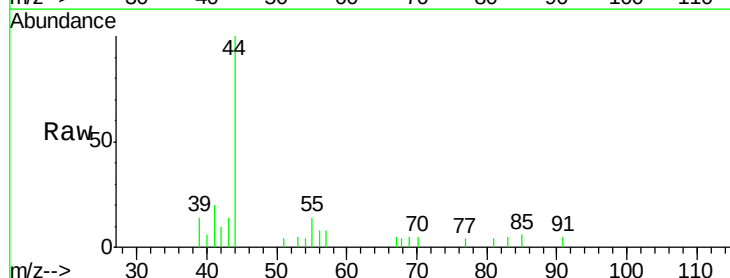
Acq: 14 Jan 2020 8:44

Tgt Ion: 85 Resp: 260

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

250

200

150

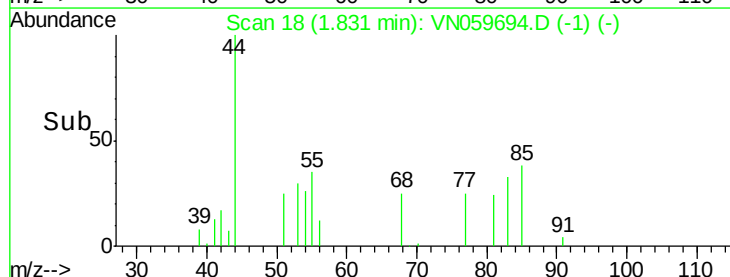
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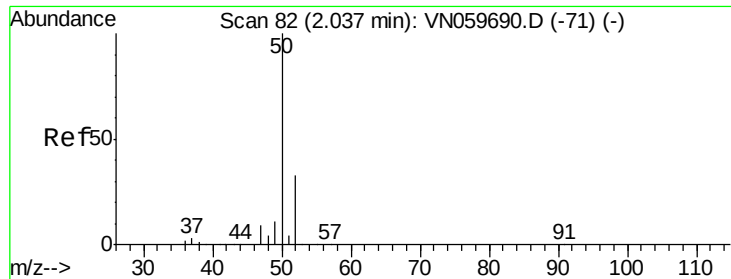
50

0

1.81 1.82 1.83 1.84 1.85

Time-->





#3

Chloromethane

Concen: 1311.575 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059694.D

Acq: 14 Jan 2020 8:44

Instrument :

MSVOA_N

ClientSampled :

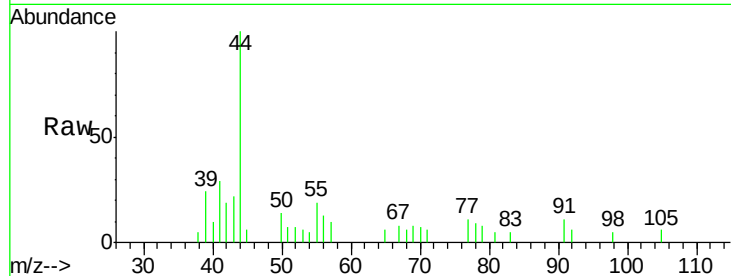
BFB

Tgt Ion: 50 Resp: 946

Ion Ratio Lower Upper

50 100

52 54.2 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

400

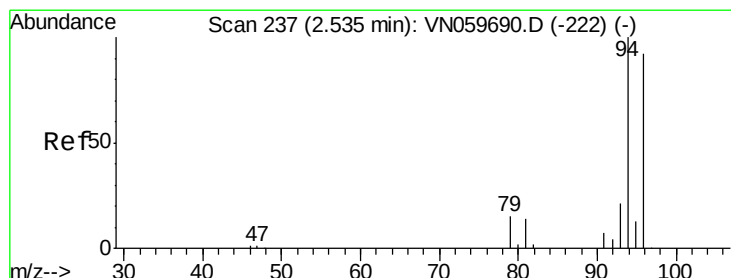
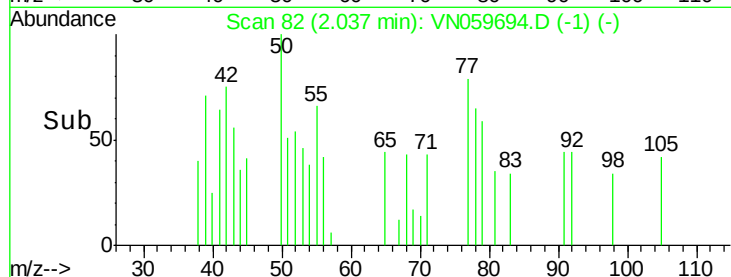
300

200

100

0

Time-->



#5

Bromomethane

Concen: 121.121 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.02 min

Lab File: VN059694.D

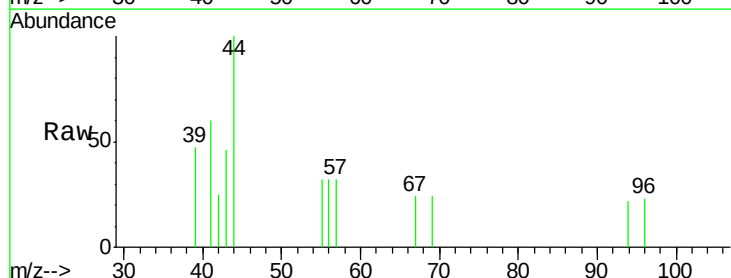
Acq: 14 Jan 2020 8:44

Tgt Ion: 94 Resp: 61

Ion Ratio Lower Upper

94 100

96 108.9 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

200

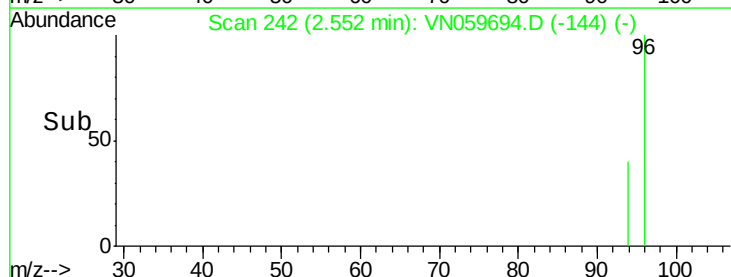
150

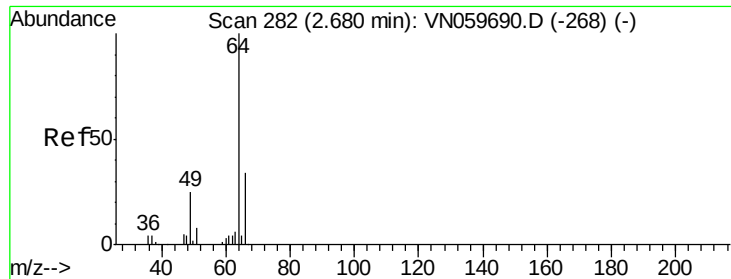
100

50

0

Time-->





#6

Chloroethane

Concen: 253.565 ug/l

RT: 2.41 min Scan# 199

Delta R.T. -0.27 min

Lab File: VN059694.D

Acq: 14 Jan 2020 8:44

Instrument :

MSVOA_N

ClientSampled :

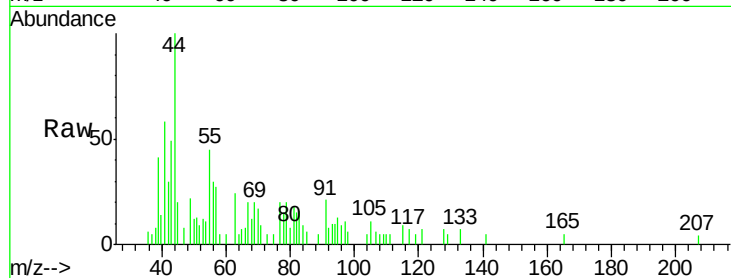
BFB

Tgt Ion: 64 Resp: 99

Ion Ratio Lower Upper

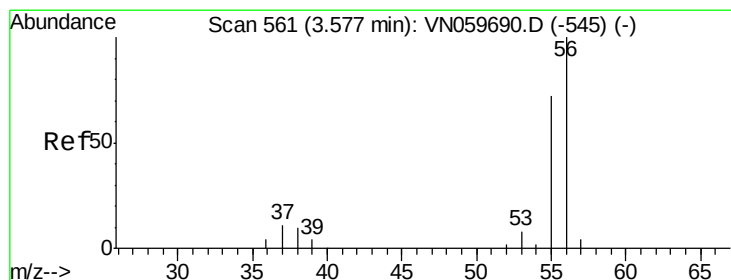
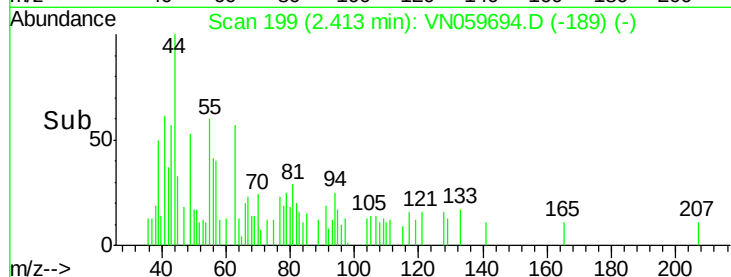
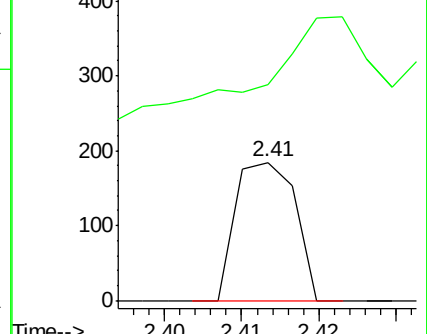
64 100

66 10.3 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



#13

Acrolein

Concen: 1703.182 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.03 min

Lab File: VN059694.D

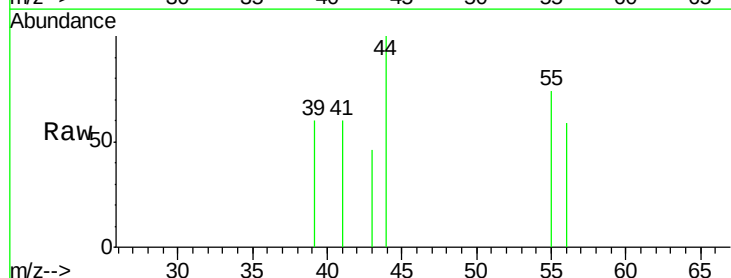
Acq: 14 Jan 2020 8:44

Tgt Ion: 56 Resp: 142

Ion Ratio Lower Upper

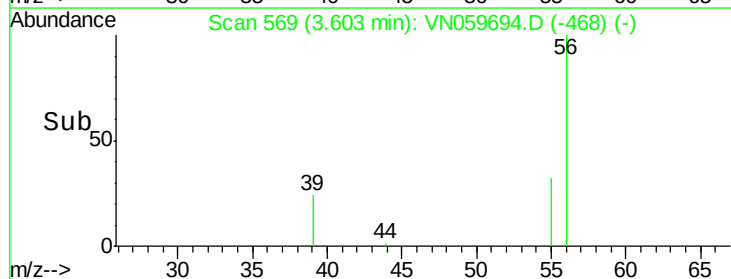
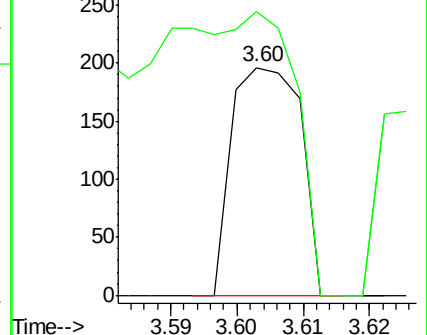
56 100

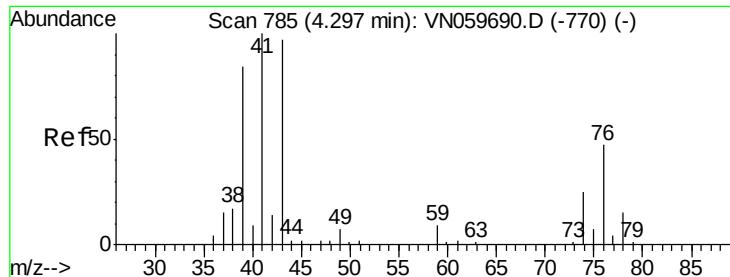
55 0.0 58.6 88.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

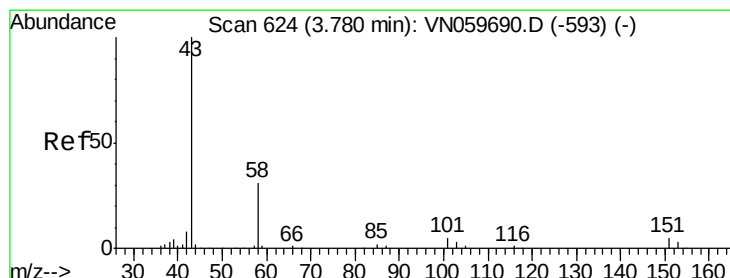
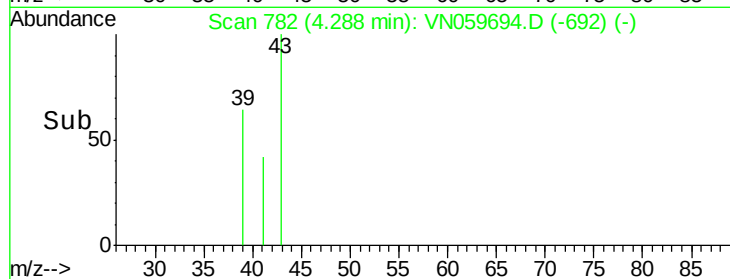
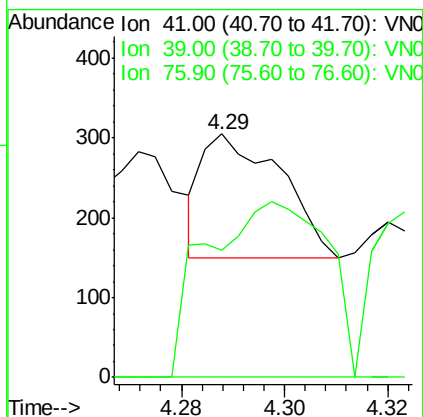
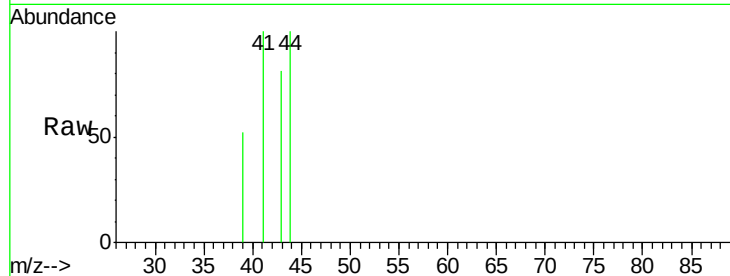




#14
 Allyl chloride
 Concen: 209.809 ug/l
 RT: 4.29 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: VN059694.D
 Acq: 14 Jan 2020 8:44

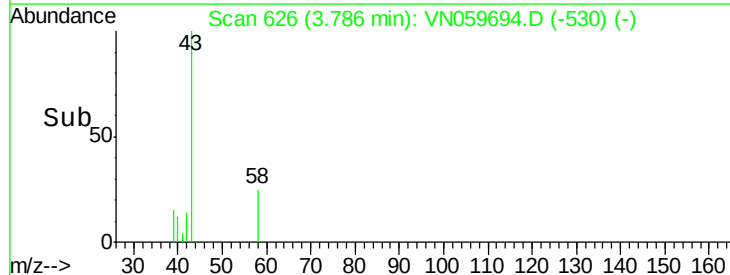
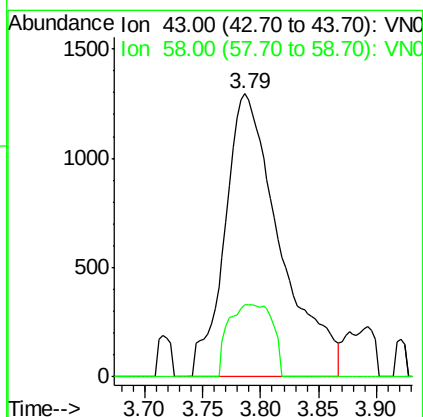
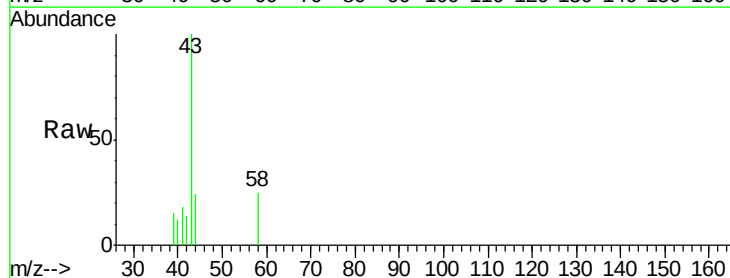
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

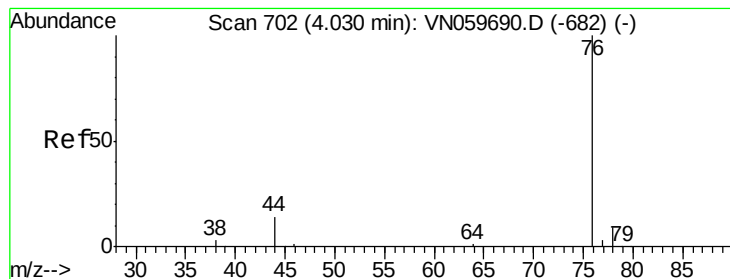
Tgt Ion: 41 Resp: 163
 Ion Ratio Lower Upper
 41 100
 39 217.8 57.8 86.8#
 76 0.0 25.4 38.0#



#16
 Acetone
 Concen: 18695.728 ug/l
 RT: 3.79 min Scan# 626
 Delta R.T. 0.01 min
 Lab File: VN059694.D
 Acq: 14 Jan 2020 8:44

Tgt Ion: 43 Resp: 4285
 Ion Ratio Lower Upper
 43 100
 58 25.4 23.6 35.4





#17

Carbon Disulfide

Concen: 891.025 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN059694.D

Acq: 14 Jan 2020 8:44

Instrument :

MSVOA_N

ClientSampled :

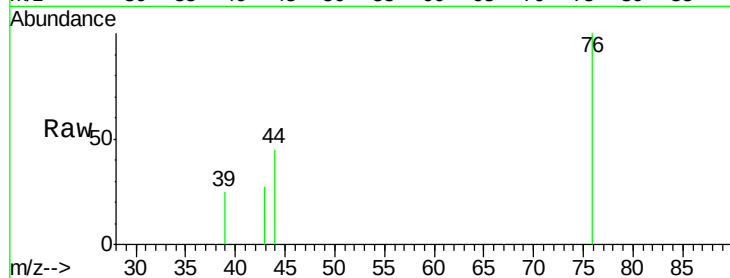
BFB

Tgt Ion: 76 Resp: 1463

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

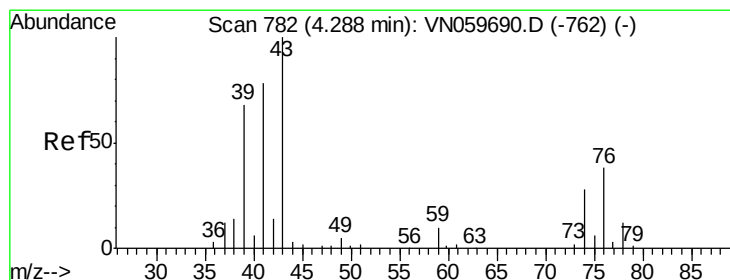
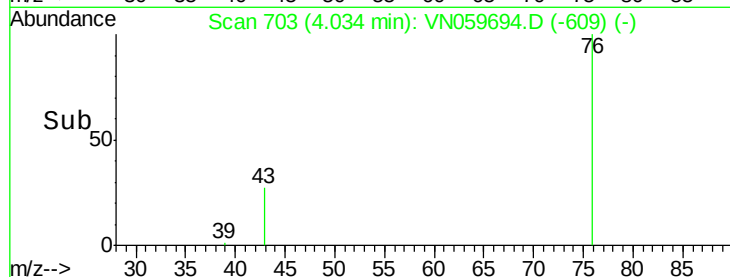
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 1261.600 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.02 min

Lab File: VN059694.D

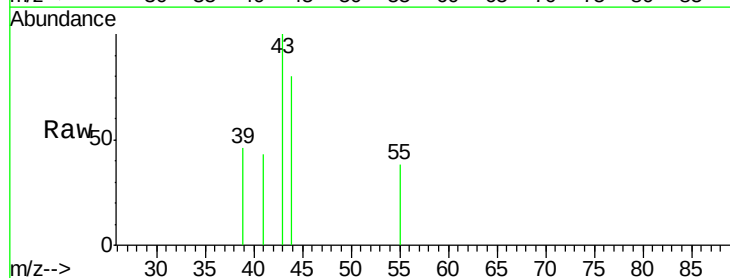
Acq: 14 Jan 2020 8:44

Tgt Ion: 43 Resp: 1031

Ion Ratio Lower Upper

43 100

74 0.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.31

400

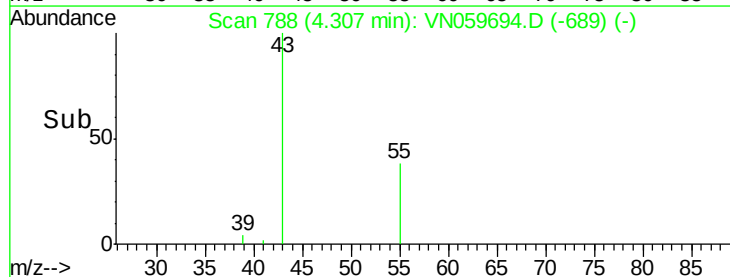
300

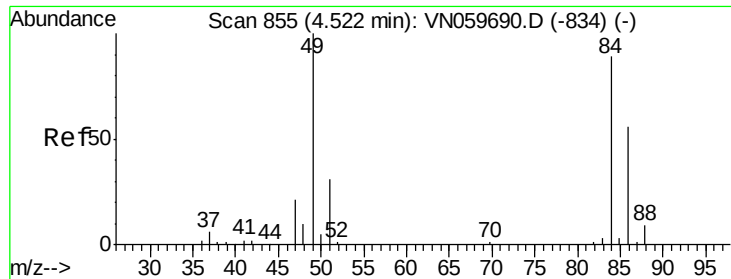
200

100

0

Time-->

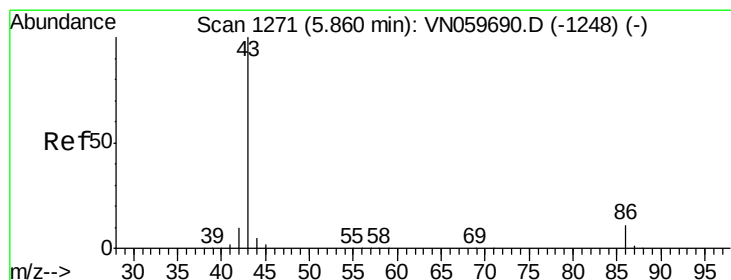
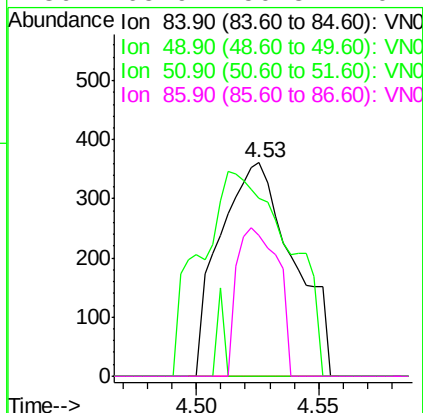
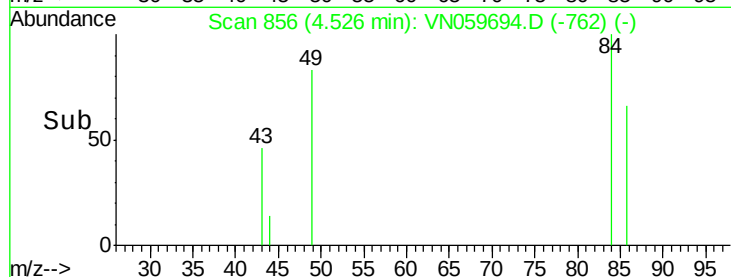
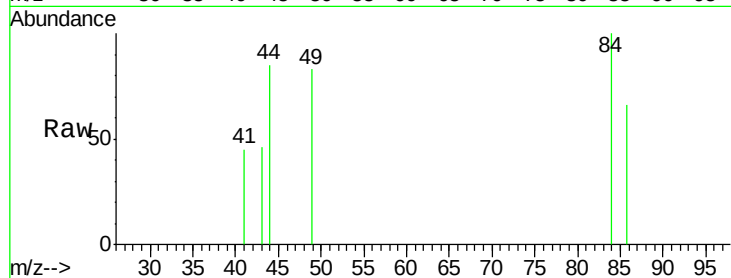




#20
Methylene Chloride
Concen: 1218.269 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059694.D
Acq: 14 Jan 2020 8:44

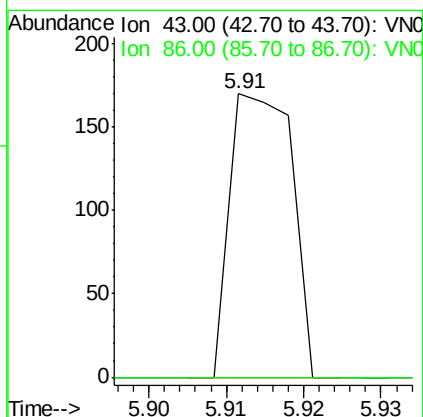
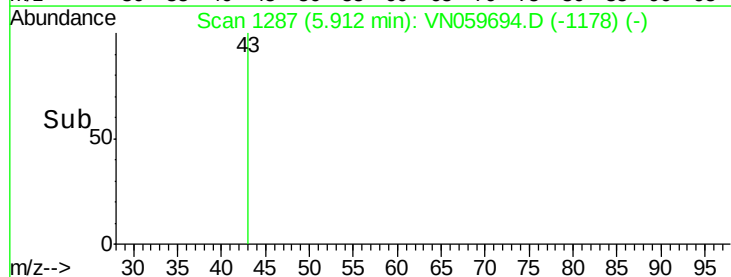
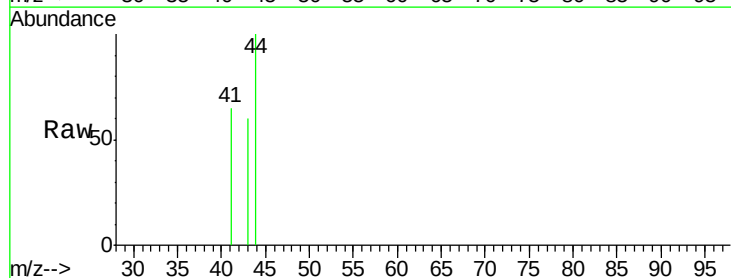
Instrument :
MSVOA_N
ClientSampled :
BFB

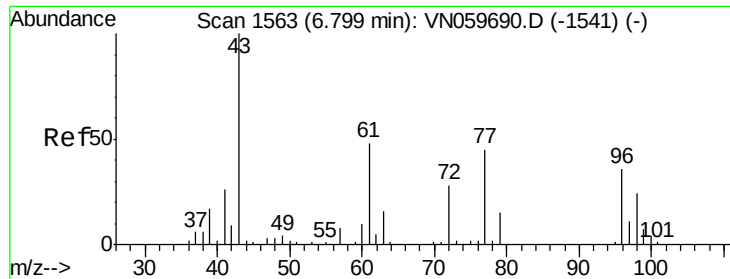
Tgt Ion: 84 Resp: 752
Ion Ratio Lower Upper
84 100
49 83.4 106.6 160.0#
51 0.0 31.9 47.9#
86 65.9 50.8 76.2



#23
Vinyl Acetate
Concen: 69.693 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. 0.05 min
Lab File: VN059694.D
Acq: 14 Jan 2020 8:44

Tgt Ion: 43 Resp: 95
Ion Ratio Lower Upper
43 100
86 0.0 7.6 11.4#

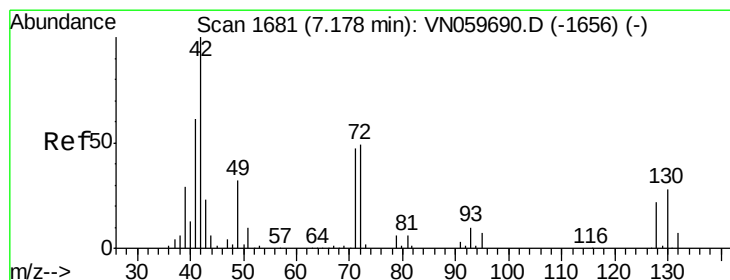
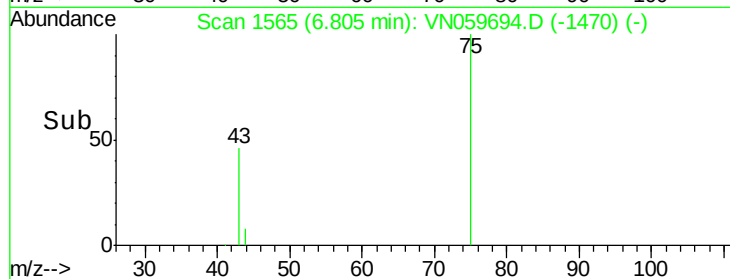
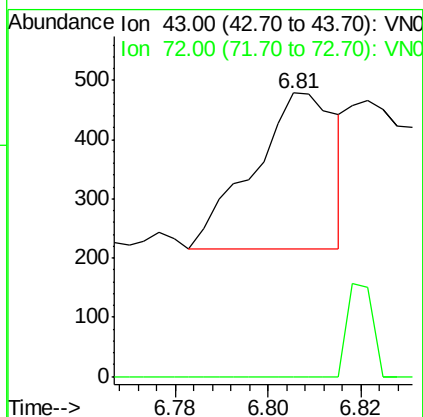
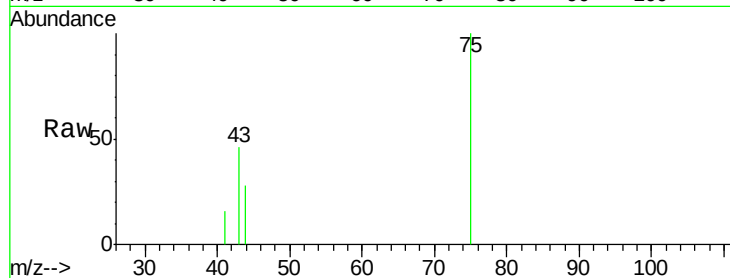




#25
2-Butanone
Concen: 817.776 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VN059694.D
Acq: 14 Jan 2020 8:44

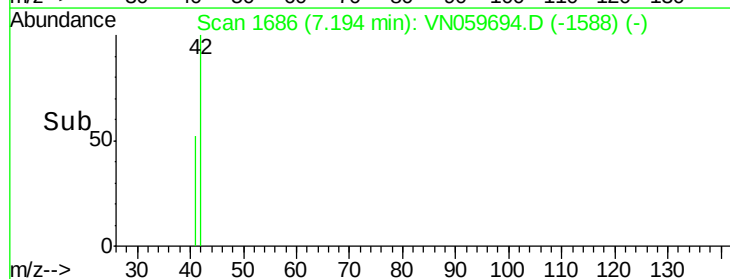
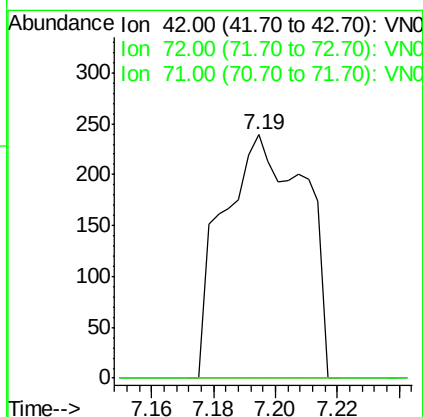
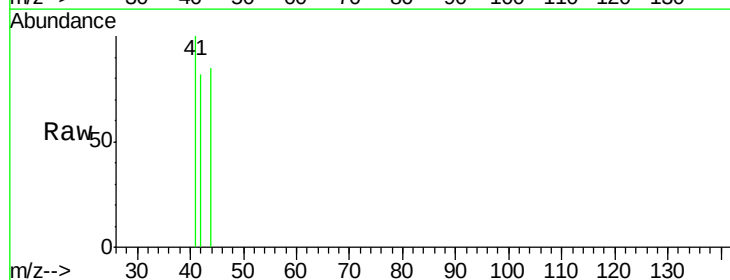
Instrument :
MSVOA_N
ClientSampled :
BFB

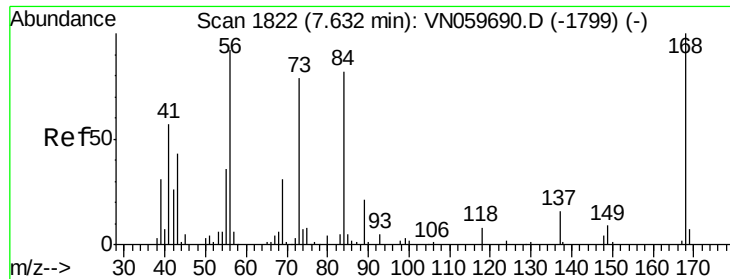
Tgt Ion: 43 Resp: 324
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#29
Tetrahydrofuran
Concen: 1799.011 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.02 min
Lab File: VN059694.D
Acq: 14 Jan 2020 8:44

Tgt Ion: 42 Resp: 441
Ion Ratio Lower Upper
42 100
72 0.0 33.1 49.7#
71 0.0 31.4 47.0#

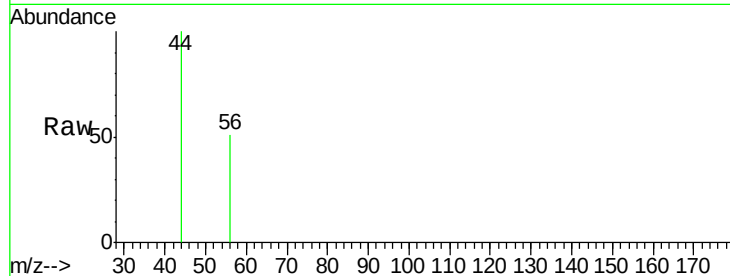




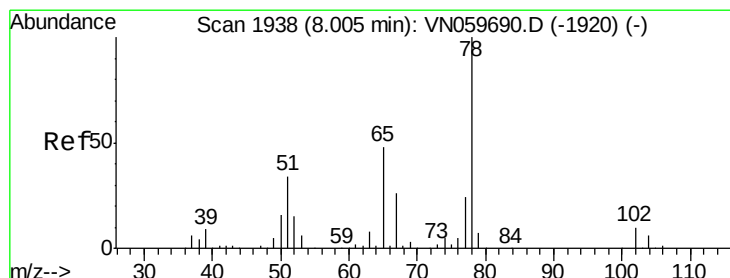
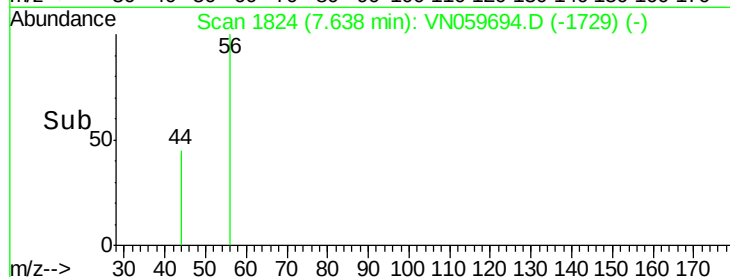
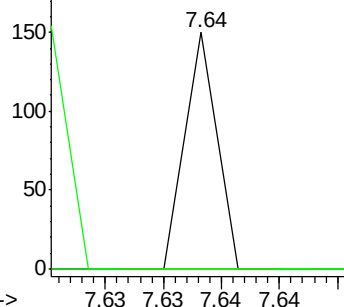
#31
Cyclohexane
Concen: 28.015 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN059694.D
Acq: 14 Jan 2020 8:44

Instrument :
MSVOA_N
ClientSampled :
BFB

Tgt Ion: 56 Resp: 29
Ion Ratio Lower Upper
56 100
69 0.0 26.5 39.7#
84 0.0 65.3 97.9#

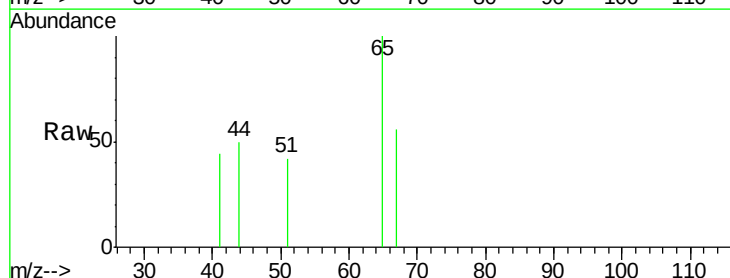


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

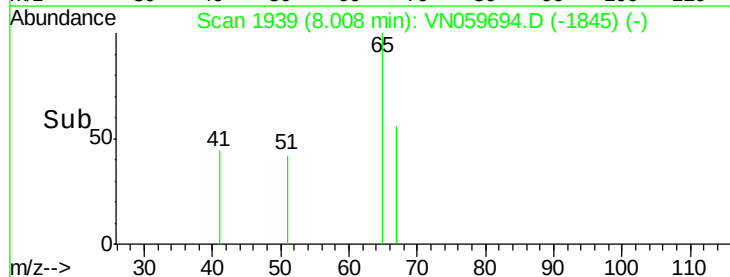
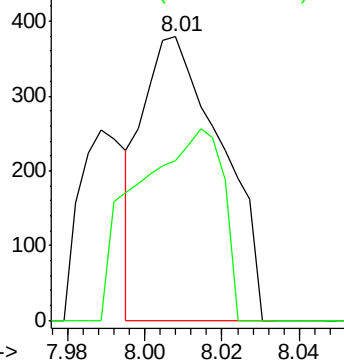


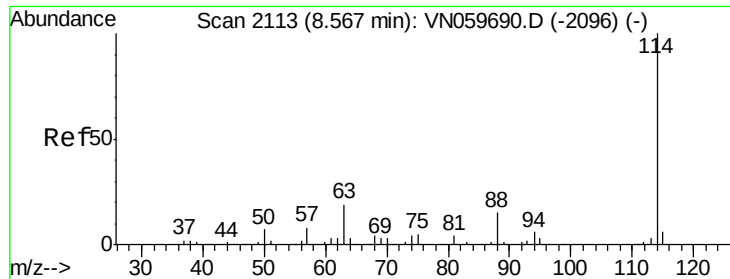
#33
1,2-Dichloroethane-d4
Concen: 768.977 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN059694.D
Acq: 14 Jan 2020 8:44

Tgt Ion: 65 Resp: 538
Ion Ratio Lower Upper
65 100
67 73.4 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

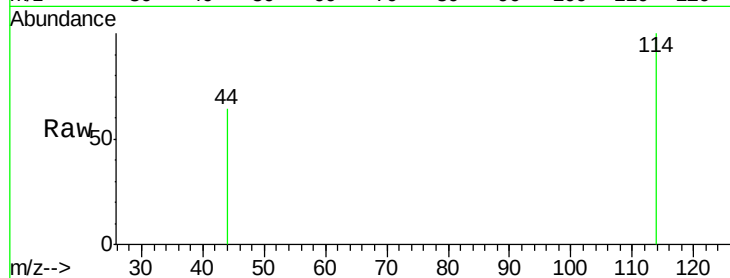




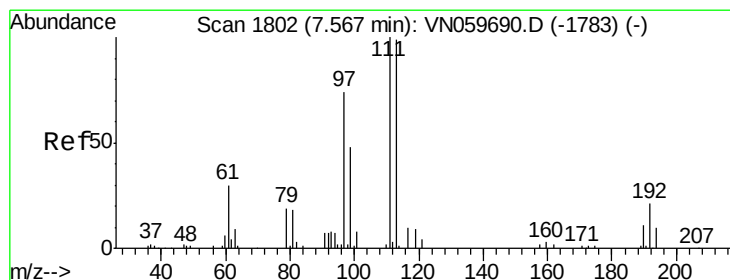
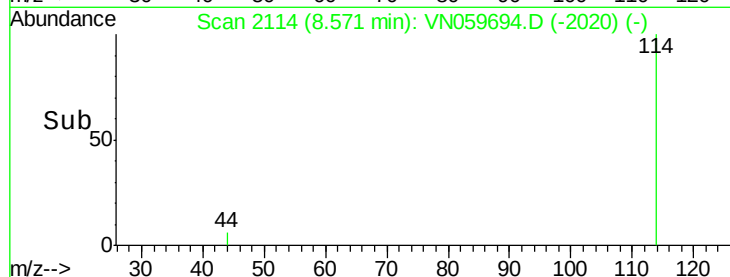
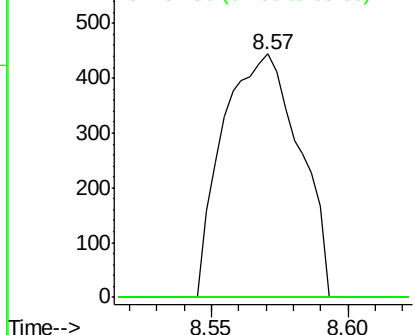
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059694.D
 Acq: 14 Jan 2020 8:44

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Tgt Ion: 114 Resp: 864
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 43.6
 88 0.0 0.0 31.4

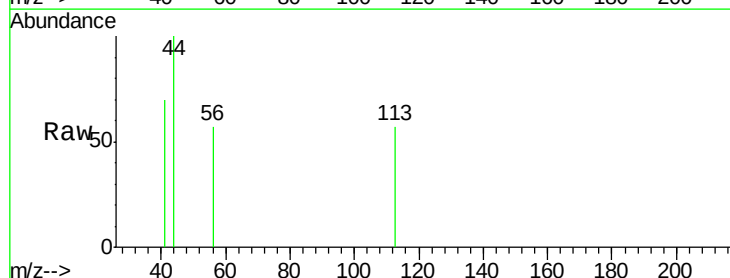


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

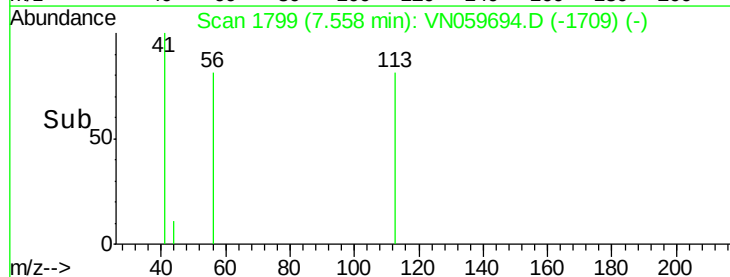
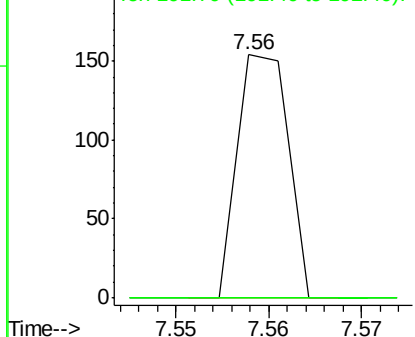


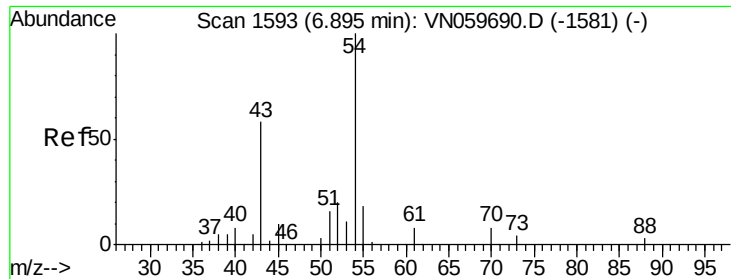
#35
 Dibromofluoromethane
 Concen: 11.451 ug/l
 RT: 7.56 min Scan# 1799
 Delta R.T. -0.01 min
 Lab File: VN059694.D
 Acq: 14 Jan 2020 8:44

Tgt Ion: 113 Resp: 59
 Ion Ratio Lower Upper
 113 100
 111 0.0 83.5 125.3#
 192 0.0 15.4 23.2#



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

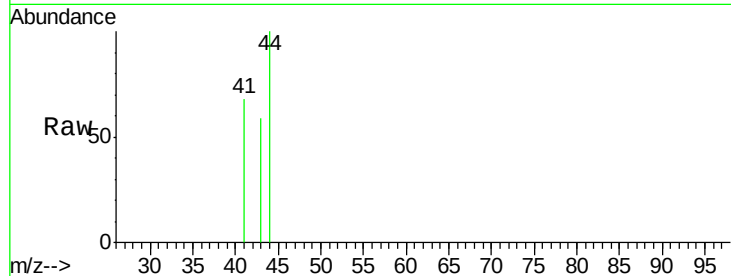




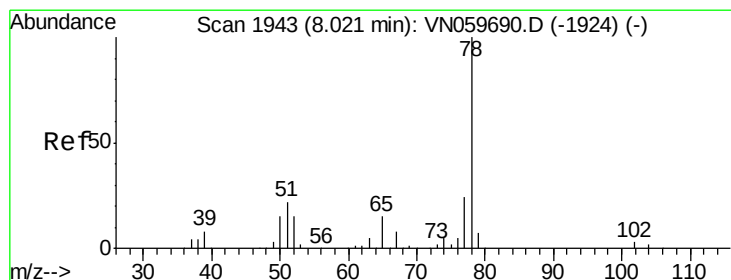
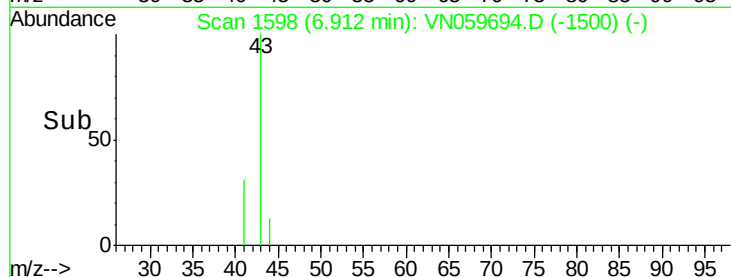
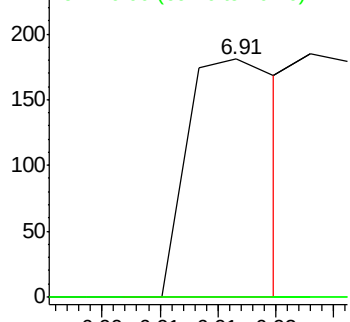
#37
 Ethyl Acetate
 Concen: 14.312 ug/l
 RT: 6.91 min Scan# 1598
 Delta R.T. 0.02 min
 Lab File: VN059694.D
 Acq: 14 Jan 2020 8:44

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Tgt Ion: 43 Resp: 101
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.9 16.3#
 70 0.0 7.7 11.5#

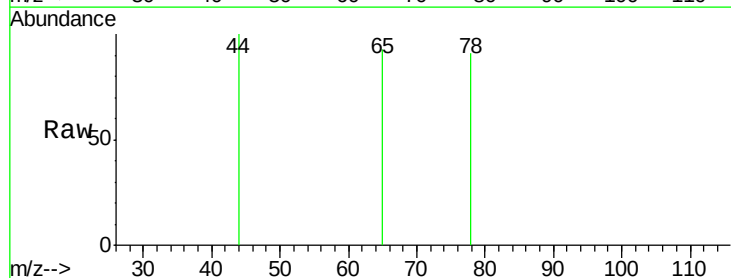


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0

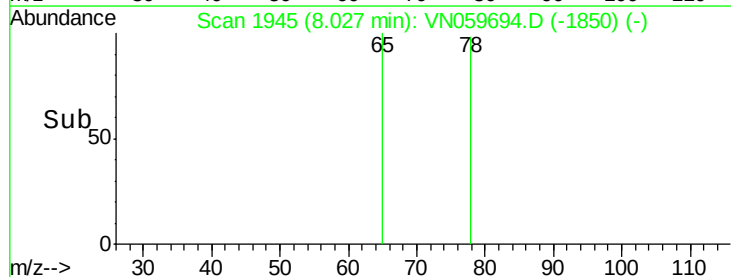
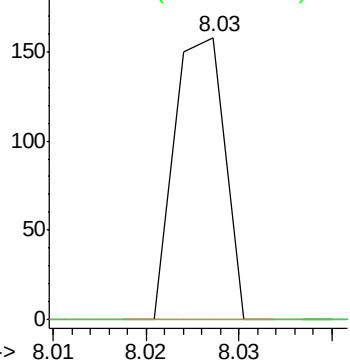


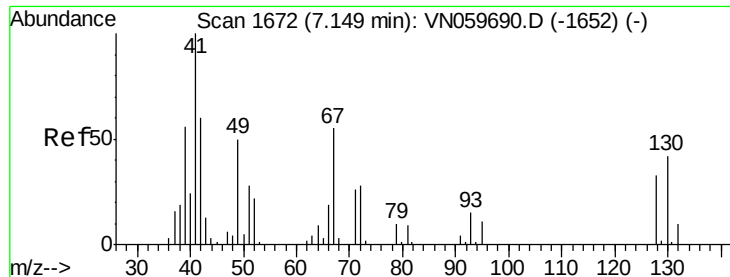
#40
 Benzene
 Concen: 2.629 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.01 min
 Lab File: VN059694.D
 Acq: 14 Jan 2020 8:44

Tgt Ion: 78 Resp: 59
 Ion Ratio Lower Upper
 78 100
 77 0.0 18.9 28.3#



Abundance Ion 78.00 (77.70 to 78.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 48.045 ug/l

RT: 7.16 min Scan# 1674

Delta R.T. 0.01 min

Lab File: VN059694.D

Acq: 14 Jan 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

BFB

Tgt Ion: 41 Resp: 167

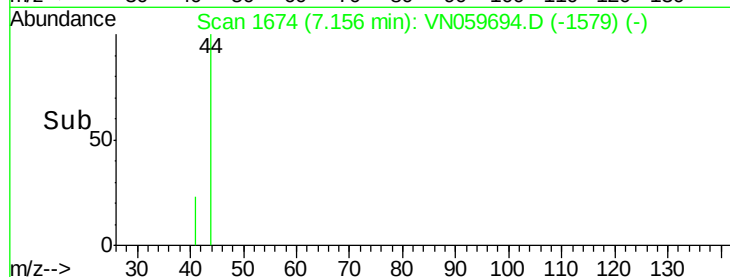
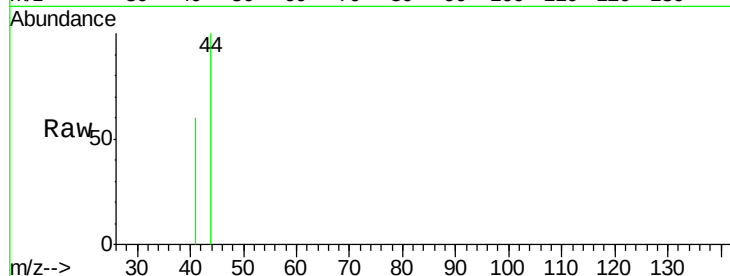
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

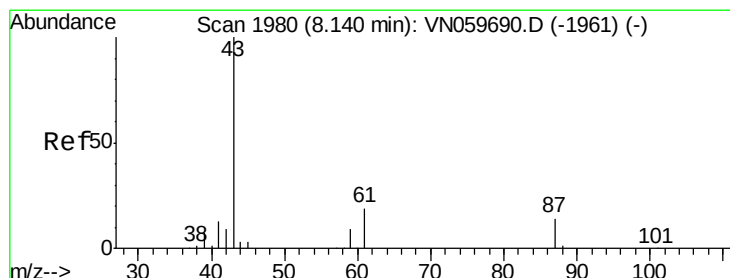
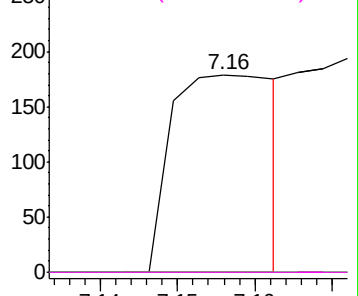


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#43

Isopropyl Acetate

Concen: 7.744 ug/l

RT: 8.19 min Scan# 1996

Delta R.T. 0.05 min

Lab File: VN059694.D

Acq: 14 Jan 2020 8:44

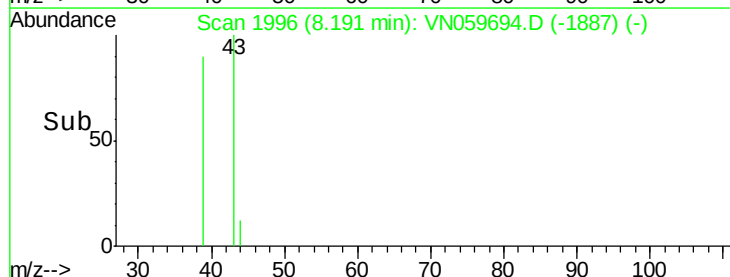
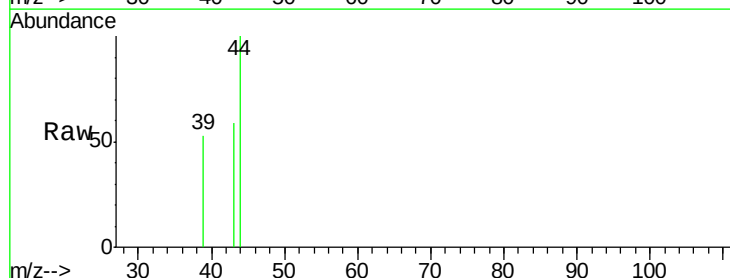
Tgt Ion: 43 Resp: 94

Ion Ratio Lower Upper

43 100

61 0.0 20.2 30.2#

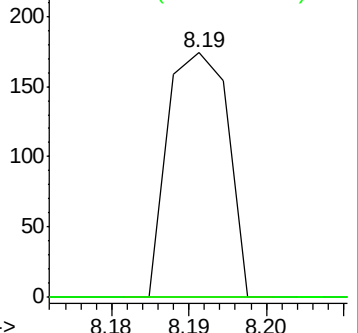
87 0.0 9.5 14.3#

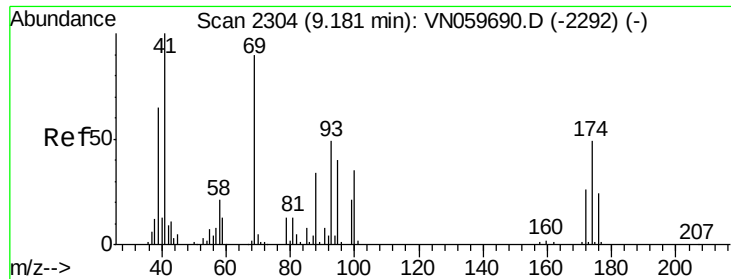


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

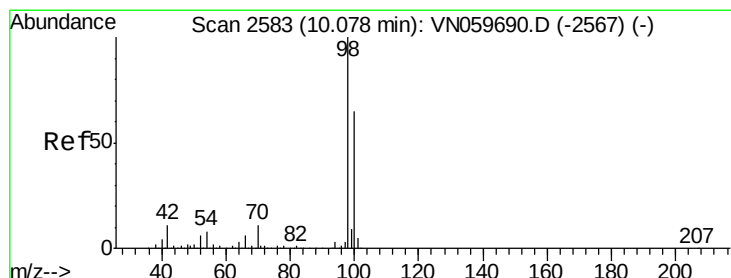
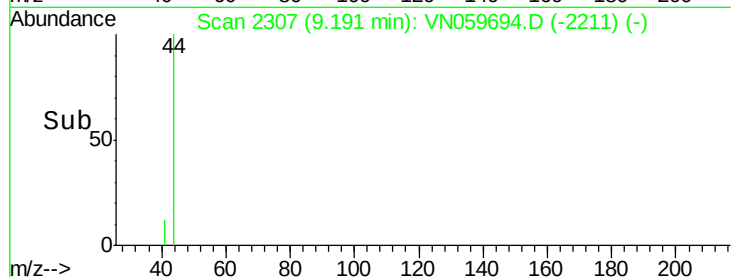
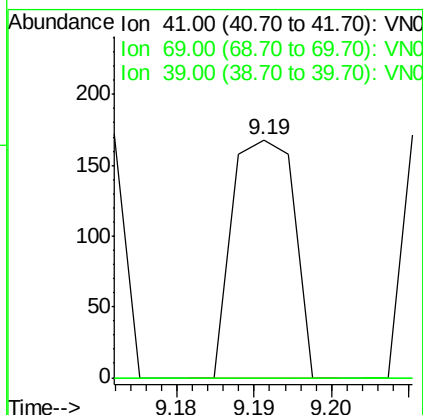
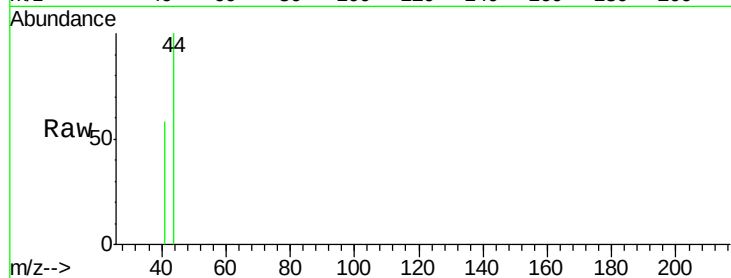




#48
Methyl methacrylate
Concen: 17.129 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.01 min
Lab File: VN059694.D
Acq: 14 Jan 2020 8:44

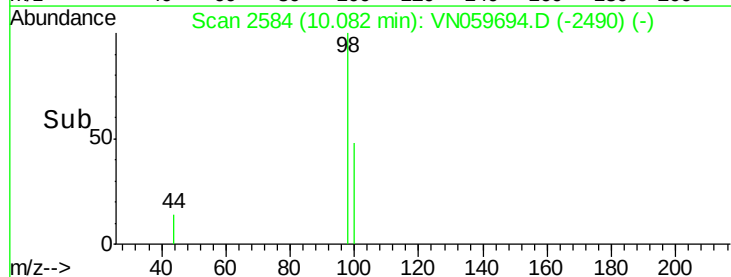
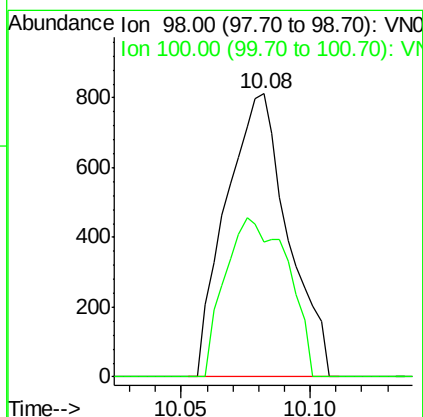
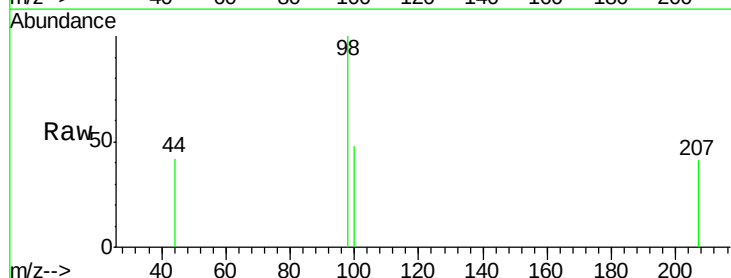
Instrument :
MSVOA_N
ClientSampleId :
BFB

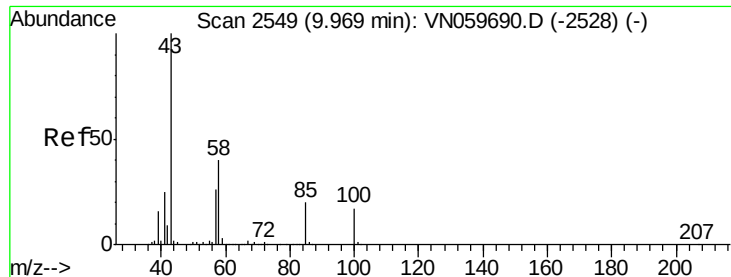
Tgt Ion: 41 Resp: 93
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 68.126 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059694.D
Acq: 14 Jan 2020 8:44

Tgt Ion: 98 Resp: 1360
Ion Ratio Lower Upper
98 100
100 56.9 51.2 76.8

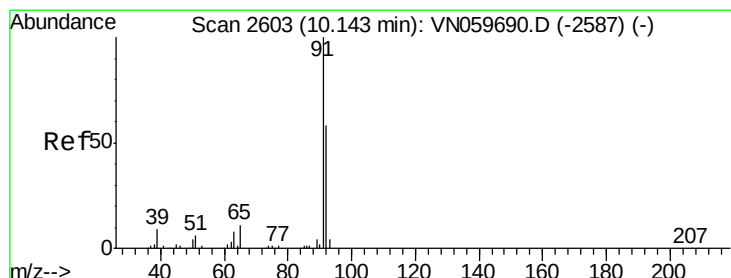
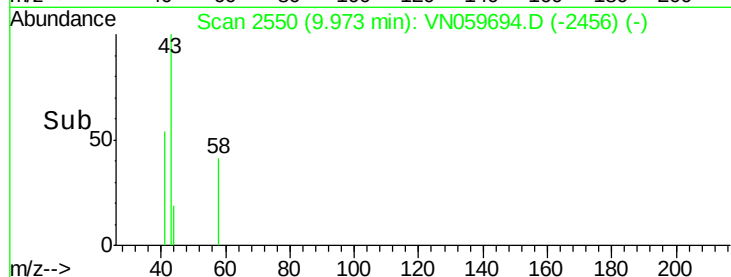
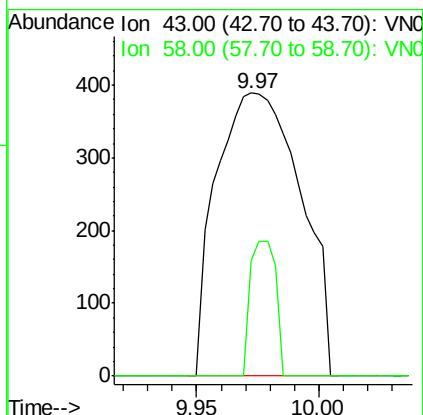
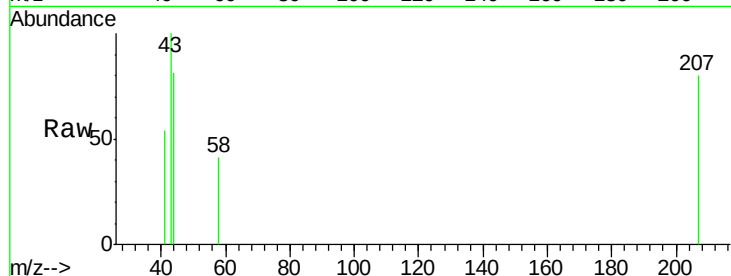




#51
 4-Methyl-2-Pentanone
 Concen: 133.111 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN059694.D
 Acq: 14 Jan 2020 8:44

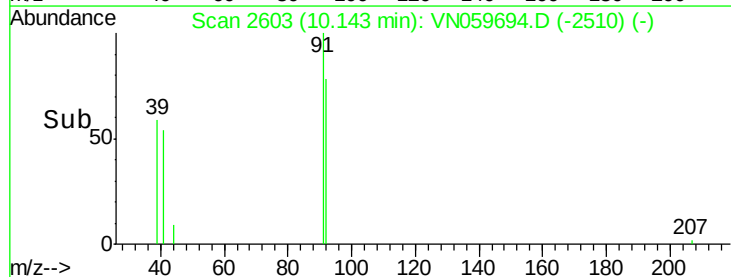
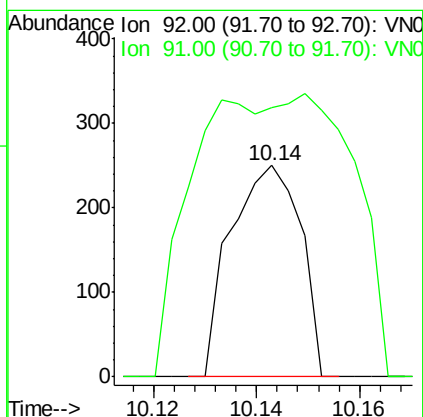
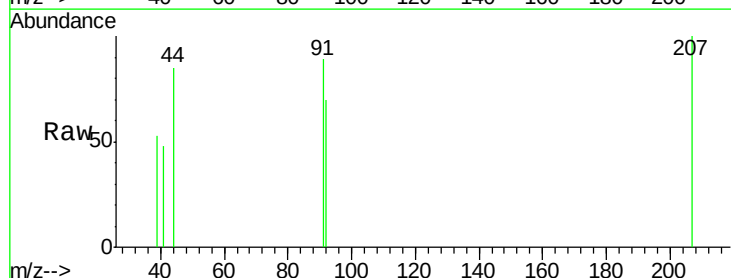
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

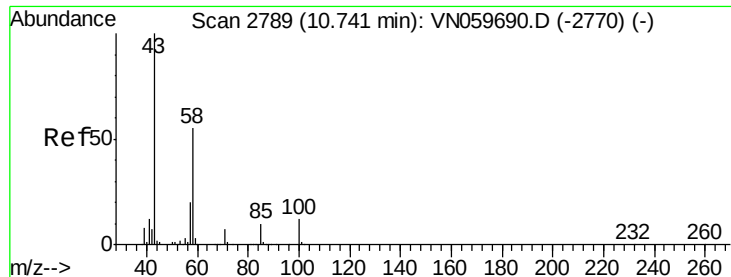
Tgt Ion: 43 Resp: 934
 Ion Ratio Lower Upper
 43 100
 58 14.0 29.8 44.8#



#52
 Toluene
 Concen: 16.509 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN059694.D
 Acq: 14 Jan 2020 8:44

Tgt Ion: 92 Resp: 234
 Ion Ratio Lower Upper
 92 100
 91 135.5 140.4 210.6#

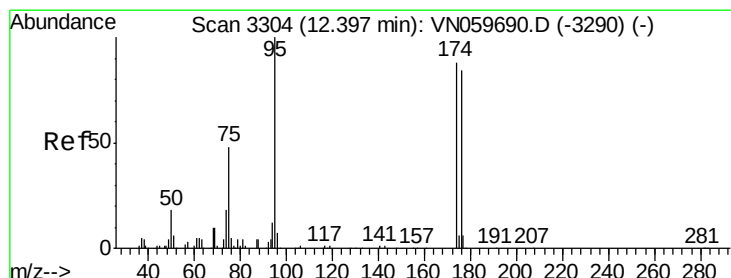
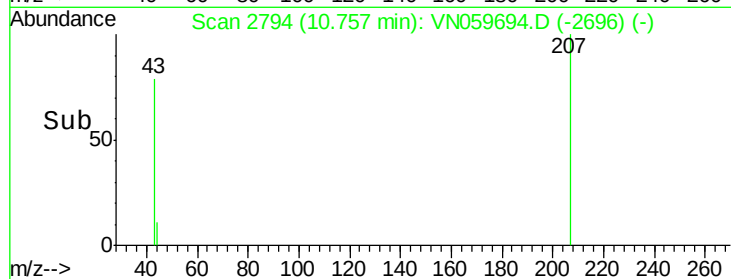
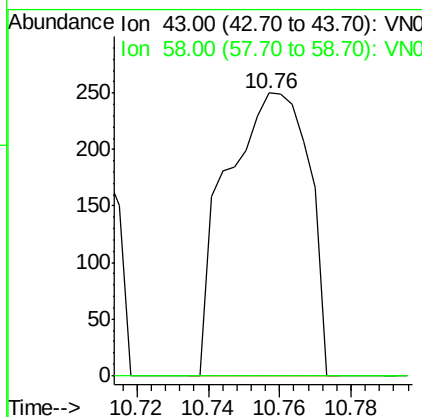
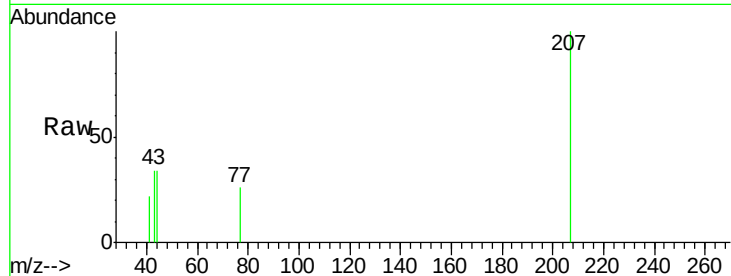




#59
2-Hexanone
Concen: 76.994 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.02 min
Lab File: VN059694.D
Acq: 14 Jan 2020 8:44

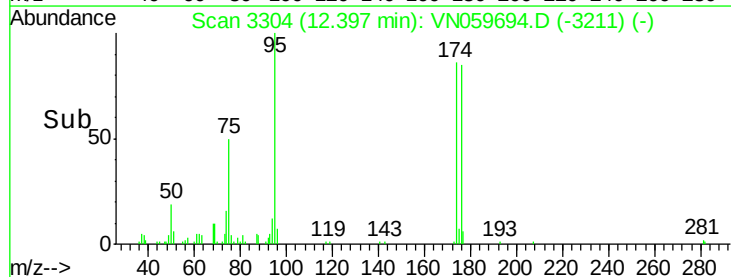
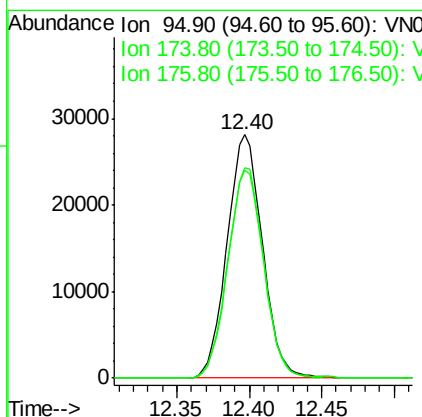
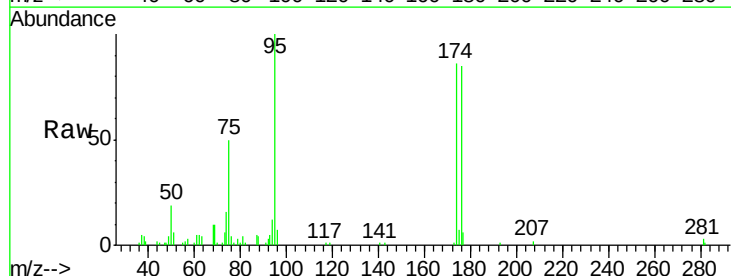
Instrument :
MSVOA_N
ClientSampled :
BFB

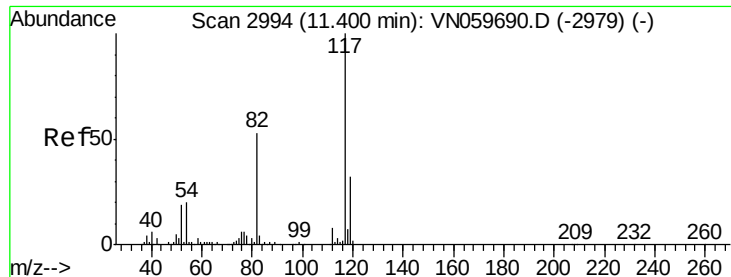
Tgt Ion: 43 Resp: 398
Ion Ratio Lower Upper
43 100
58 0.0 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 6611.688 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059694.D
Acq: 14 Jan 2020 8:44

Tgt Ion: 95 Resp: 47582
Ion Ratio Lower Upper
95 100
174 86.9 0.0 151.4
176 86.9 0.0 146.0

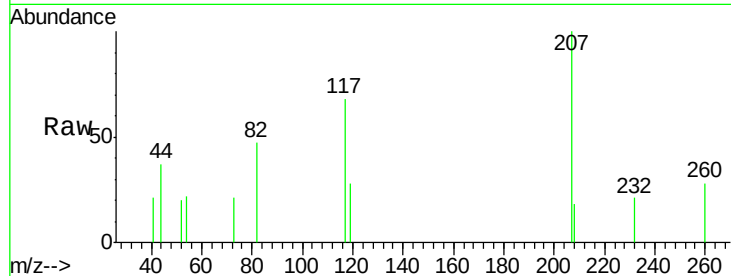




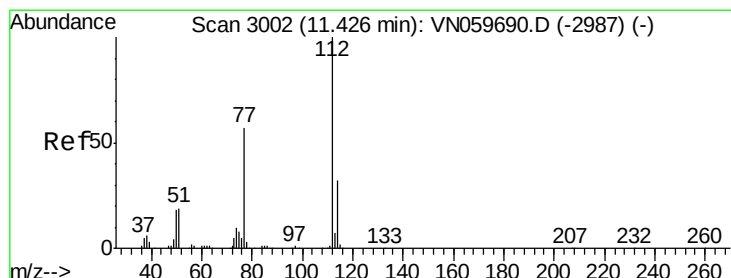
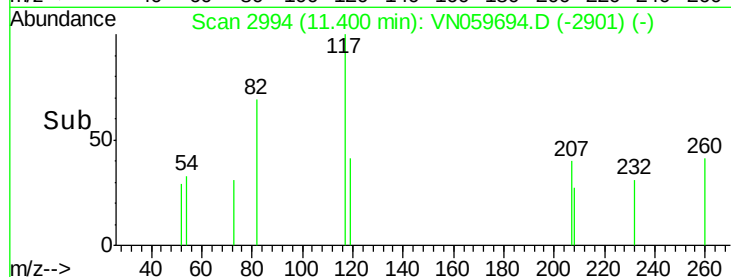
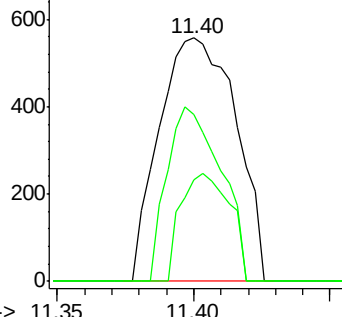
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059694.D
Acq: 14 Jan 2020 8:44

Instrument :
MSVOA_N
ClientSampled :
BFB

Tgt Ion:117 Resp: 1087
Ion Ratio Lower Upper
117 100
82 68.6 45.9 68.9
119 41.4 25.5 38.3#

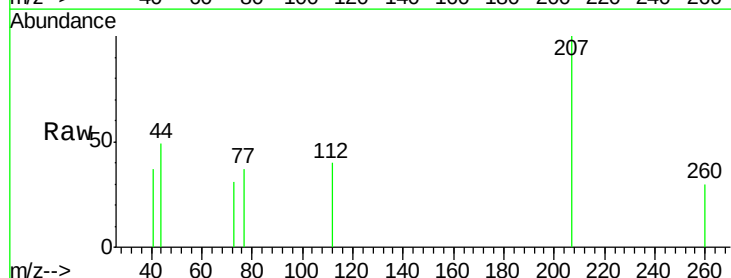


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

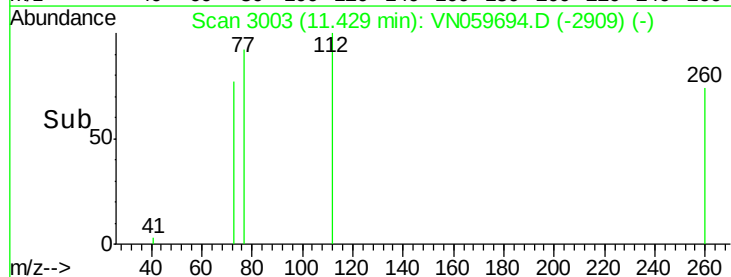
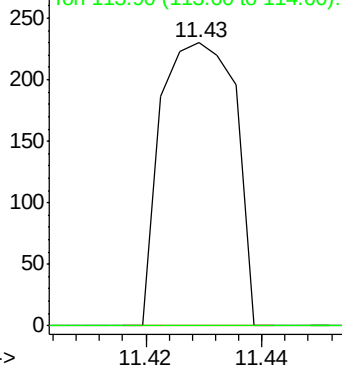


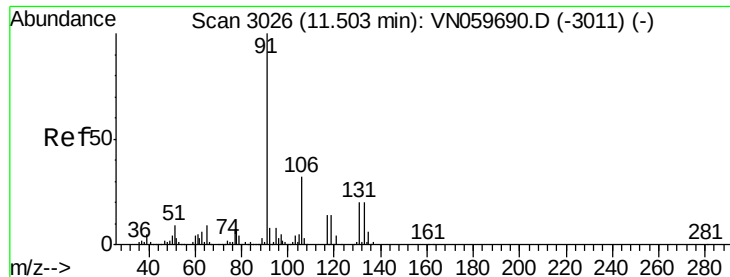
#65
Chlorobenzene
Concen: 9.548 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059694.D
Acq: 14 Jan 2020 8:44

Tgt Ion:112 Resp: 204
Ion Ratio Lower Upper
112 100
114 0.0 25.8 38.8#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

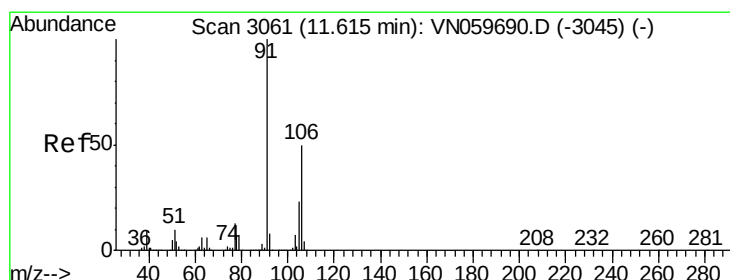
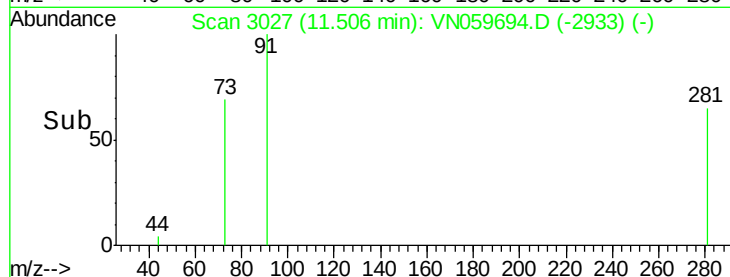
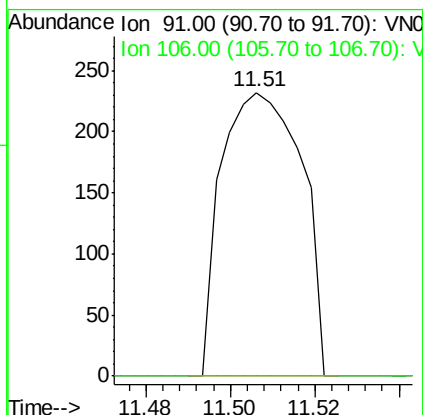
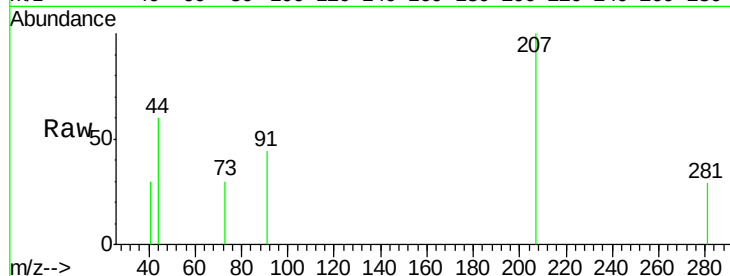




#67
Ethyl Benzene
Concen: 7.915 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059694.D
Acq: 14 Jan 2020 8:44

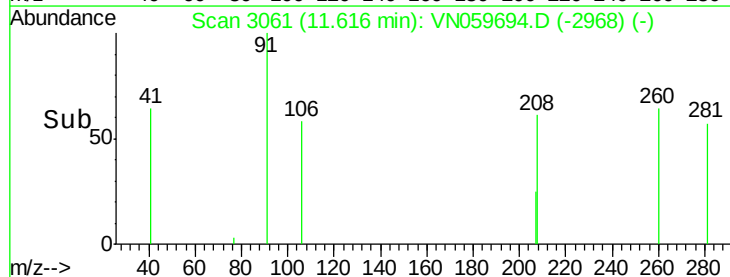
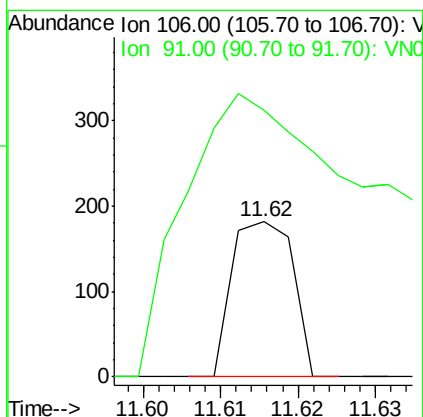
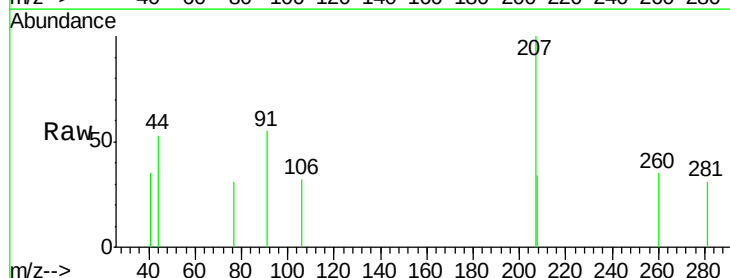
Instrument :
MSVOA_N
ClientSampled :
BFB

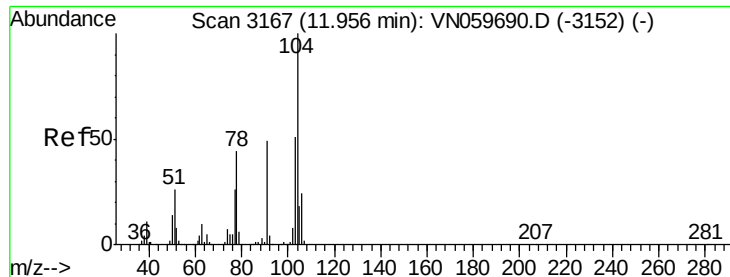
Tgt Ion: 91 Resp: 307
Ion Ratio Lower Upper
91 100
106 0.0 24.1 36.1#



#68
m/p-Xylenes
Concen: 6.826 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN059694.D
Acq: 14 Jan 2020 8:44

Tgt Ion: 106 Resp: 100
Ion Ratio Lower Upper
106 100
91 567.0 167.9 251.9#

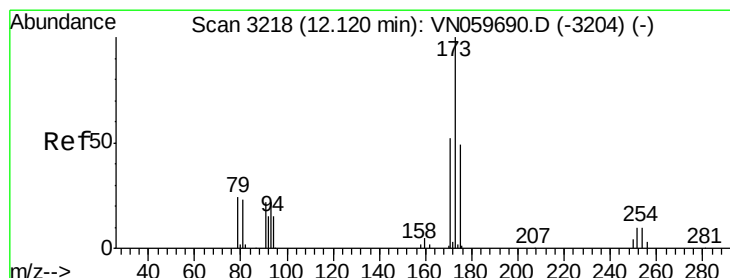
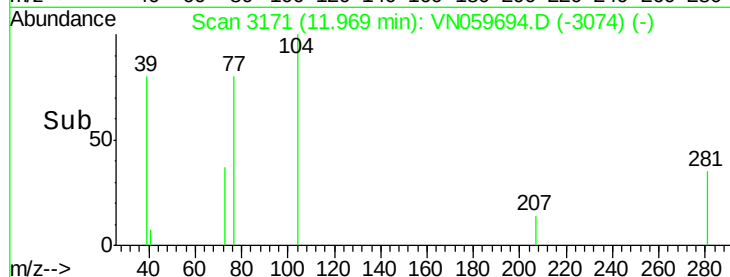
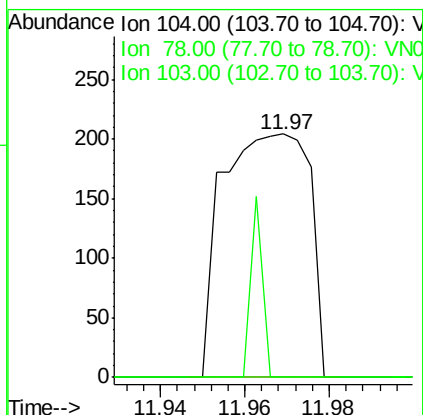
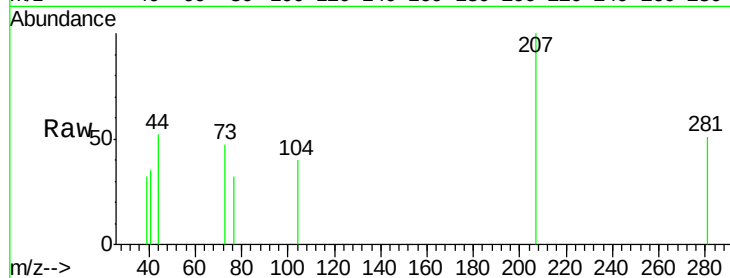




#70
 Styrene
 Concen: 12.166 ug/l
 RT: 11.97 min Scan# 3171
 Delta R.T. 0.01 min
 Lab File: VN059694.D
 Acq: 14 Jan 2020 8:44

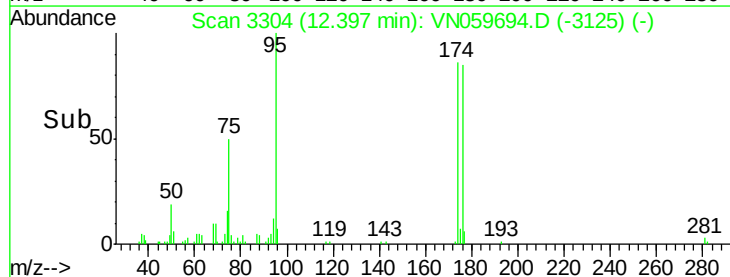
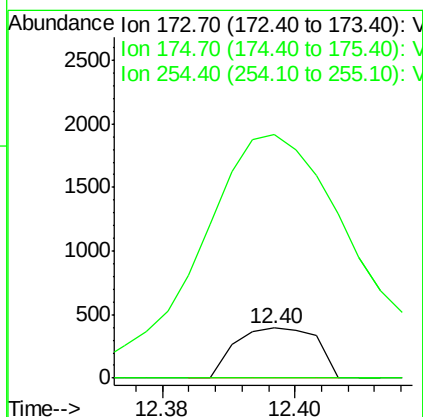
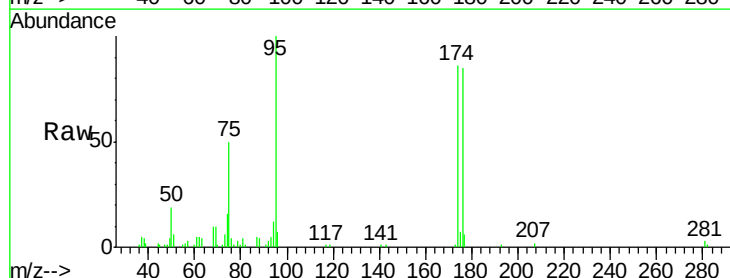
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

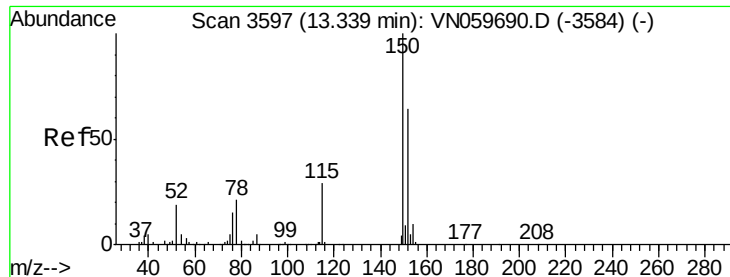
Tgt Ion:104 Resp: 292
 Ion Ratio Lower Upper
 104 100
 78 0.0 42.4 63.6#
 103 9.9 43.9 65.9#



#71
 Bromoform
 Concen: 50.508 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.28 min
 Lab File: VN059694.D
 Acq: 14 Jan 2020 8:44

Tgt Ion:173 Resp: 334
 Ion Ratio Lower Upper
 173 100
 175 775.7 23.8 71.4#
 254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN059694.D

Acq: 14 Jan 2020 8:44

Instrument :

MSVOA_N

ClientSampled :

BFB

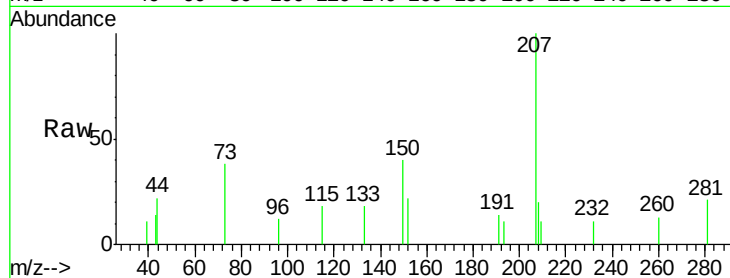
Tgt Ion:152 Resp: 433

Ion Ratio Lower Upper

152 100

115 67.7 30.3 90.9

150 211.3 0.0 345.2

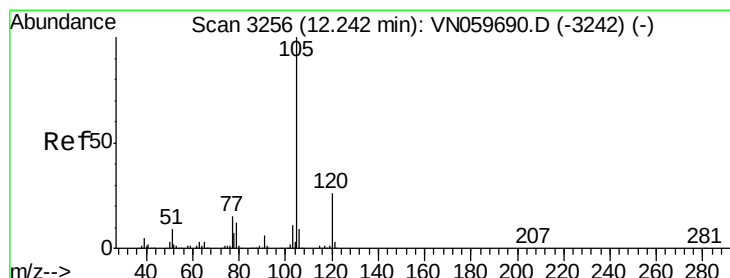
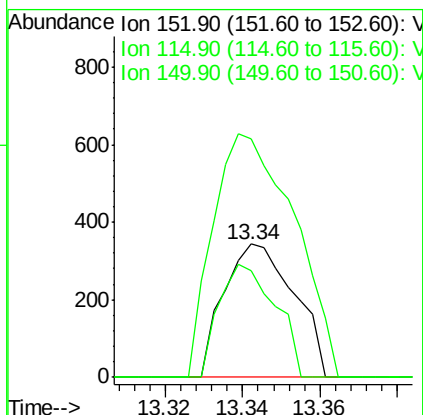
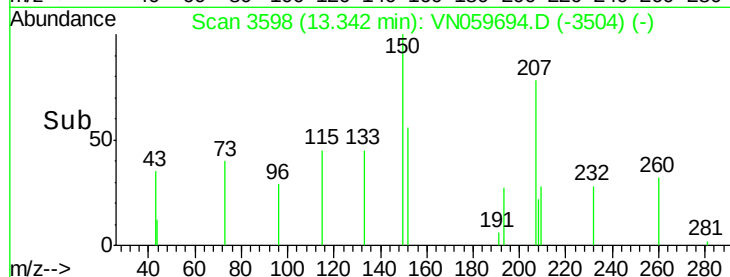


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->



#73

Isopropylbenzene

Concen: 6.770 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.01 min

Lab File: VN059694.D

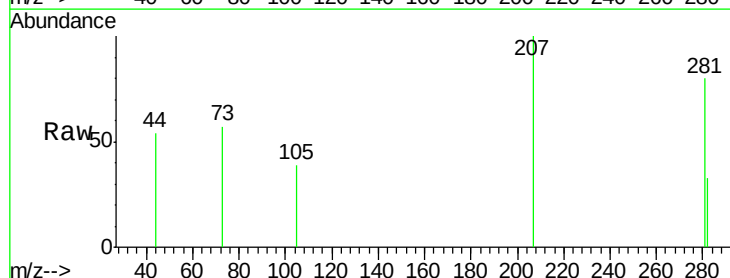
Acq: 14 Jan 2020 8:44

Tgt Ion:105 Resp: 215

Ion Ratio Lower Upper

105 100

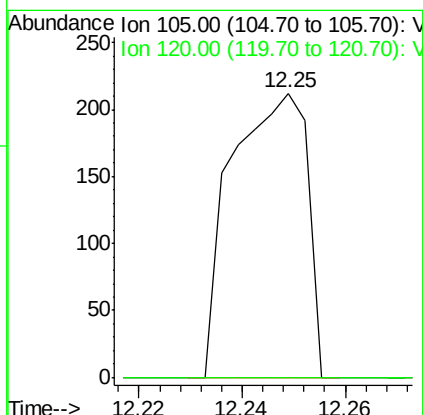
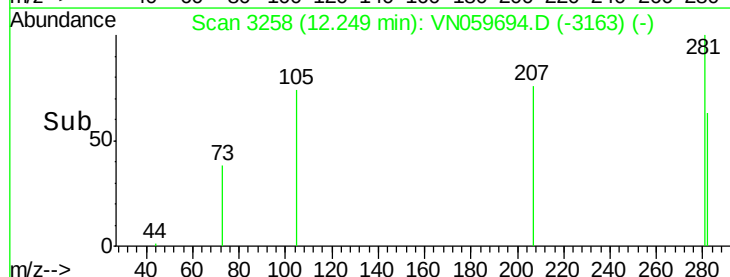
120 0.0 13.2 39.5#

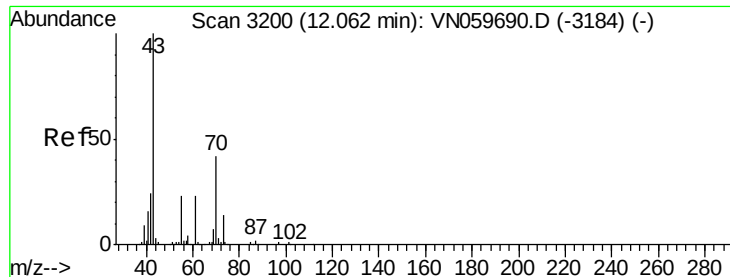


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Time-->





#74

N-ethyl acetate

Concen: 7.710 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.01 min

Lab File: VN059694.D

Acq: 14 Jan 2020 8:44

Instrument :

MSVOA_N

ClientSampled :

BFB

Tgt Ion: 43 Resp: 95

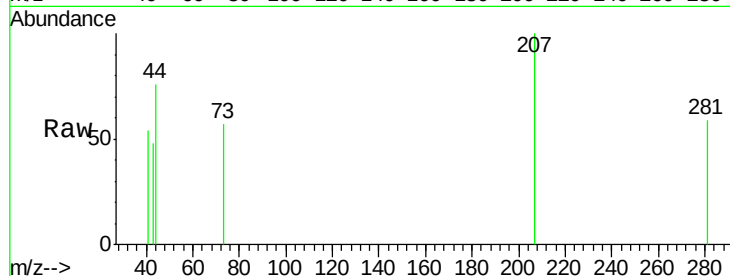
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

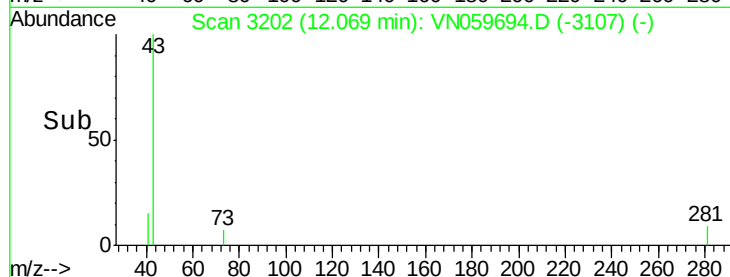
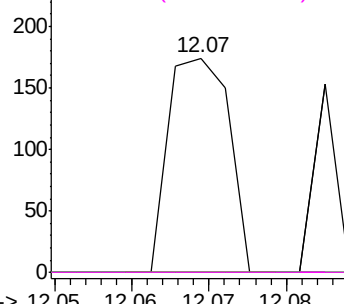


Abundance Ion 43.00 (42.70 to 43.70): VN0

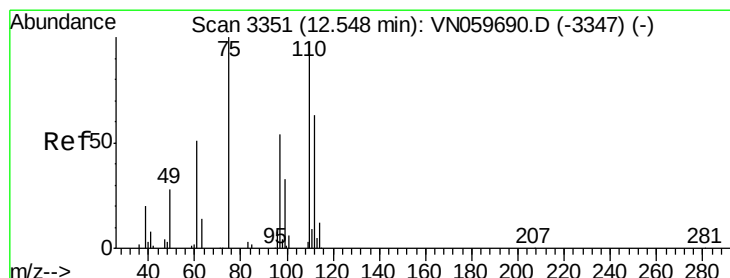
Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



Time-->



#76

1,2,3-Trichloropropane

Concen: 3259.112 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059694.D

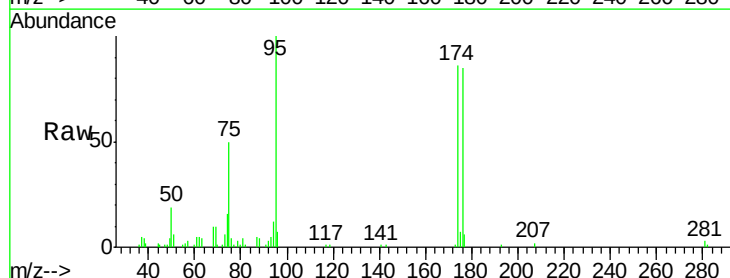
Acq: 14 Jan 2020 8:44

Tgt Ion: 75 Resp: 23749

Ion Ratio Lower Upper

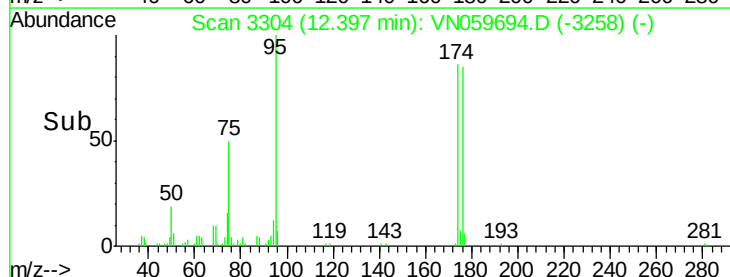
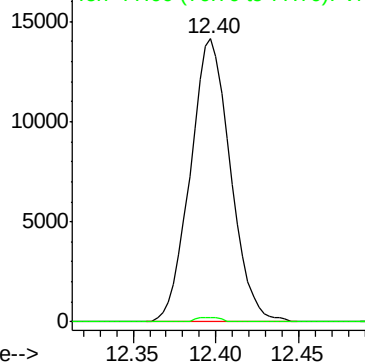
75 100

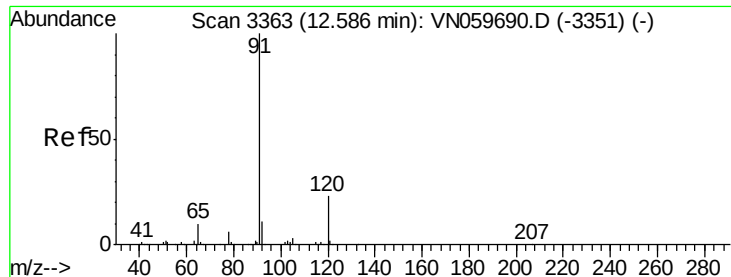
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 15.824 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.01 min

Lab File: VN059694.D

Acq: 14 Jan 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

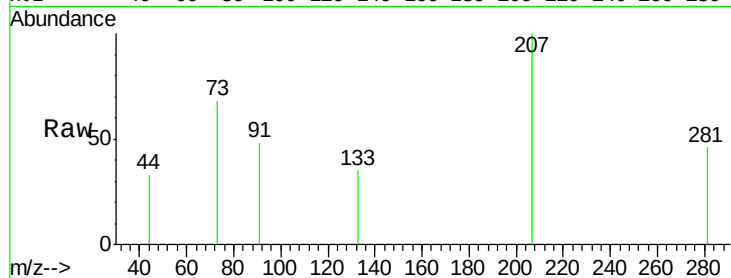
BFB

Tgt Ion: 91 Resp: 564

Ion Ratio Lower Upper

91 100

120 0.0 11.1 33.3#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.59

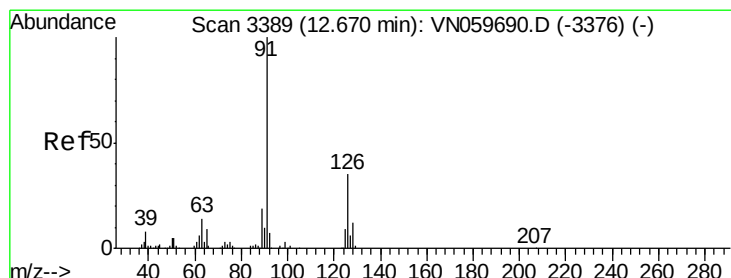
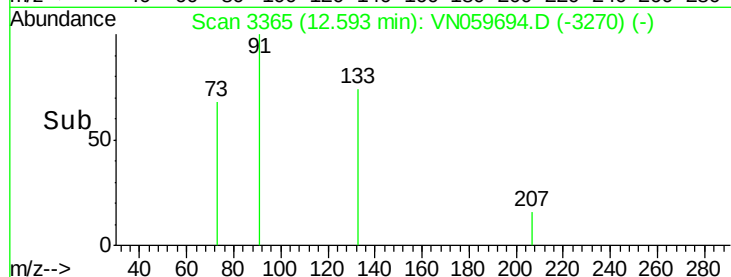
300

200

100

0

Time--> 12.55 12.60



#79

2-Chlorotoluene

Concen: 10.989 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN059694.D

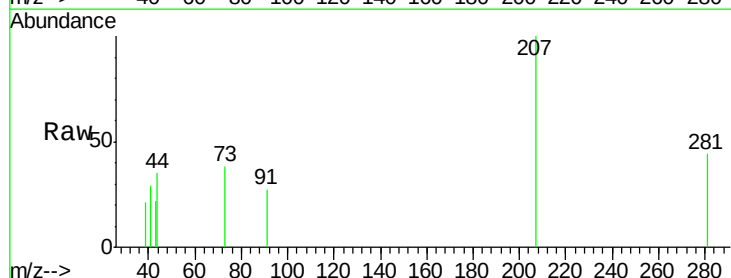
Acq: 14 Jan 2020 8:44

Tgt Ion: 91 Resp: 233

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.9#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.67

200

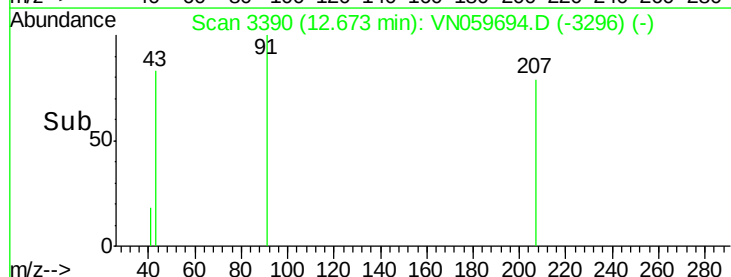
150

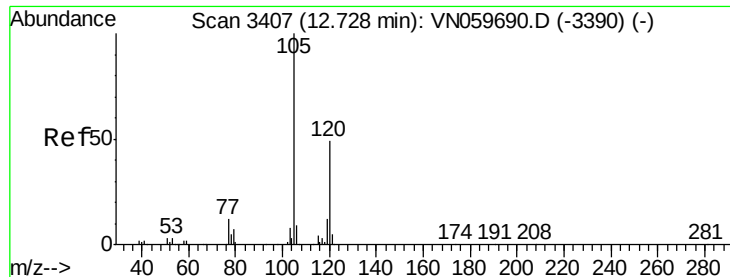
100

50

0

Time--> 12.64 12.66 12.68

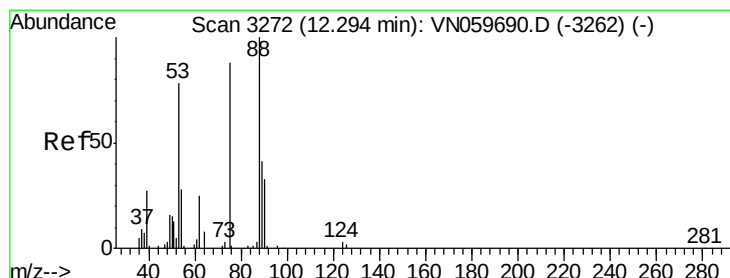
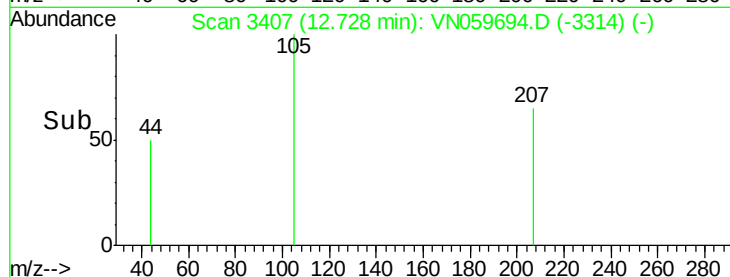
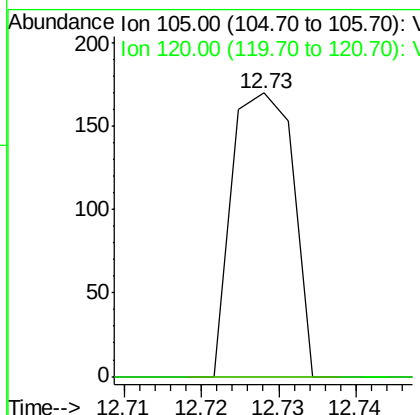
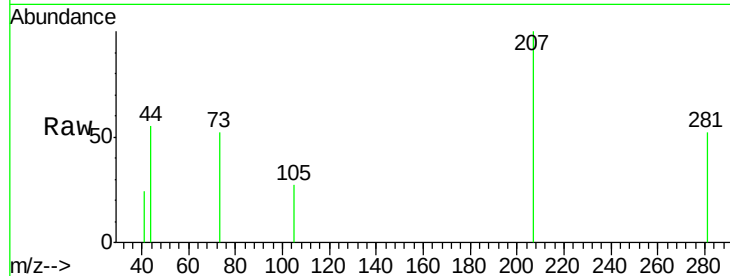




#80
 1,3,5-Trimethylbenzene
 Concen: 3.482 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN059694.D
 Acq: 14 Jan 2020 8:44

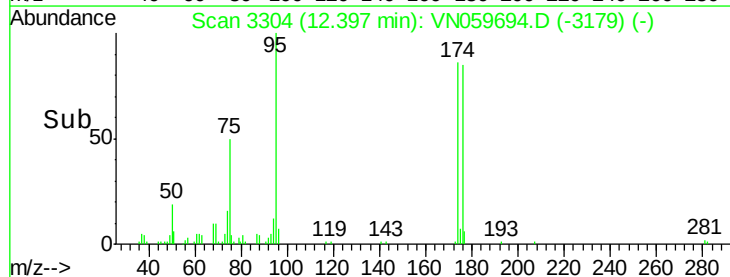
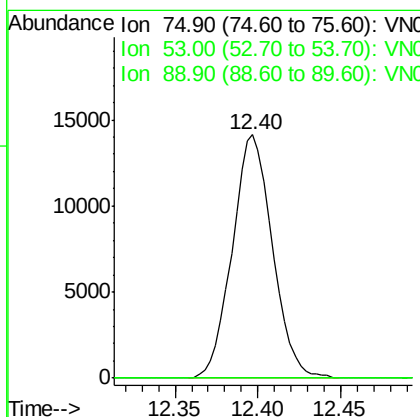
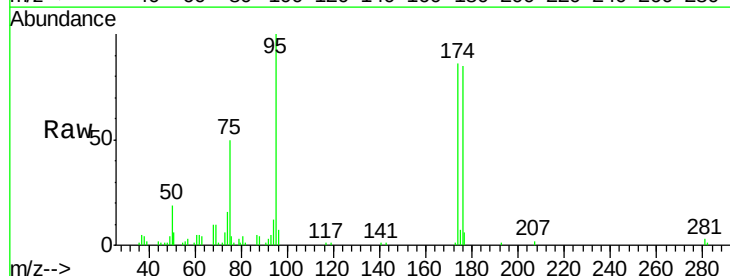
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

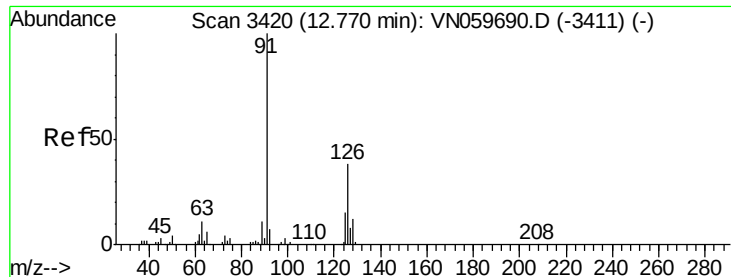
Tgt Ion: 105 Resp: 93
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.1 72.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 6998.957 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN059694.D
 Acq: 14 Jan 2020 8:44

Tgt Ion: 75 Resp: 23749
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.1 117.1#
 89 0.0 35.4 53.2#





#82

4-Chlorotoluene

Concen: 22.146 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN059694.D

Acq: 14 Jan 2020 8:44

Instrument :

MSVOA_N

ClientSampled :

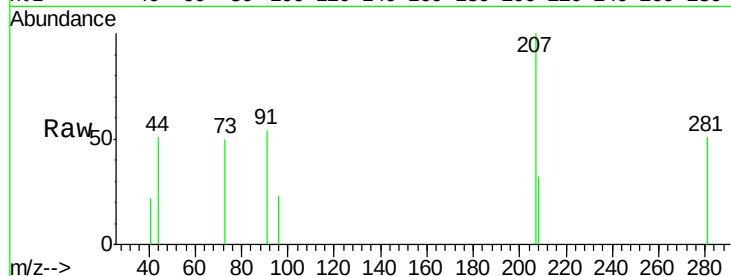
BFB

Tgt Ion: 91 Resp: 471

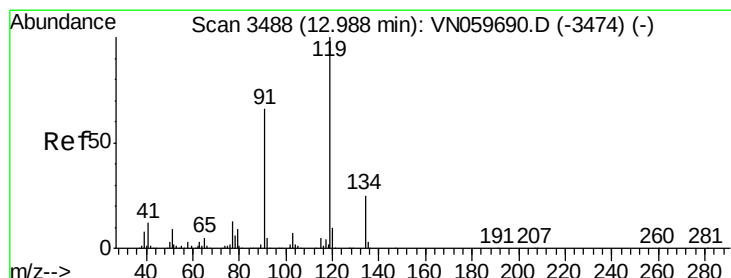
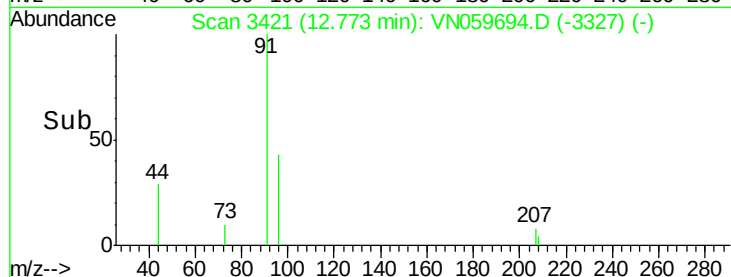
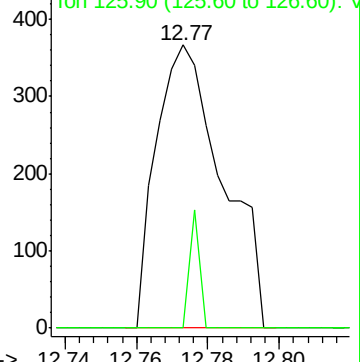
Ion Ratio Lower Upper

91 100

126 6.4 16.3 48.8#



Abundance Ion 91.00 (90.70 to 91.70): VN059694.D (-3411) (-)



#83

tert-Butylbenzene

Concen: 5.585 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN059694.D

Acq: 14 Jan 2020 8:44

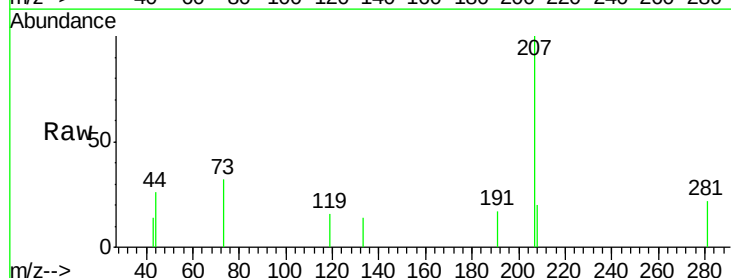
Tgt Ion: 119 Resp: 129

Ion Ratio Lower Upper

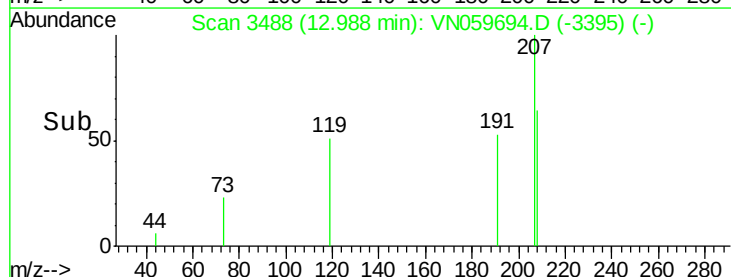
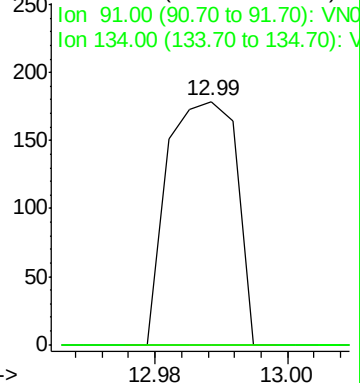
119 100

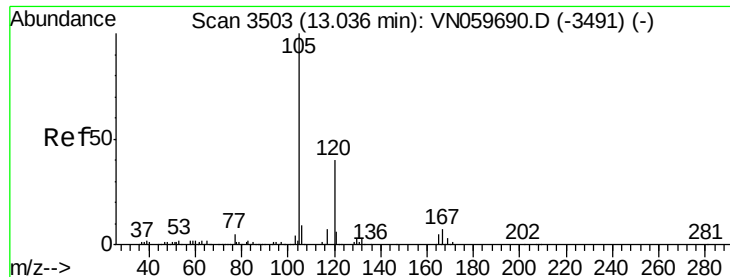
91 0.0 34.8 104.4#

134 0.0 12.3 36.9#



Abundance Ion 119.00 (118.70 to 119.70): VN059694.D (-3474) (-)

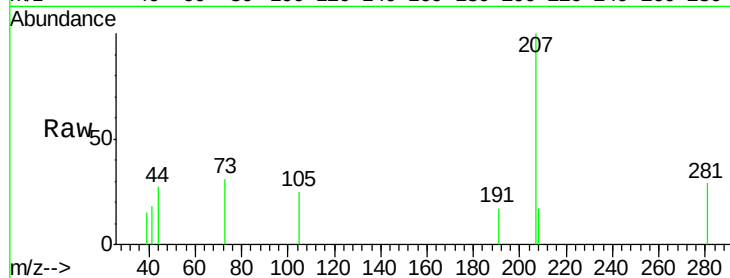




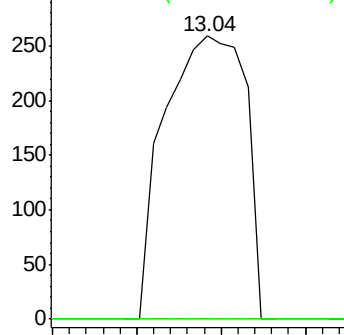
#84
 1,2,4-Trimethylbenzene
 Concen: 13.095 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059694.D
 Acq: 14 Jan 2020 8:44

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

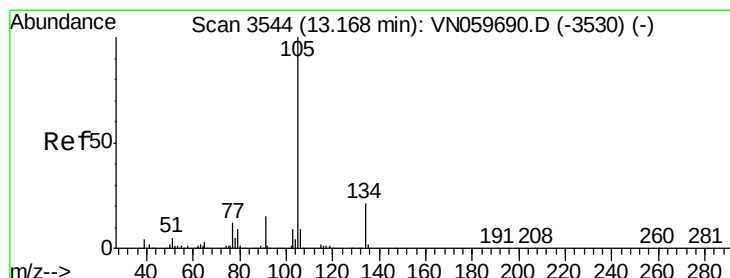
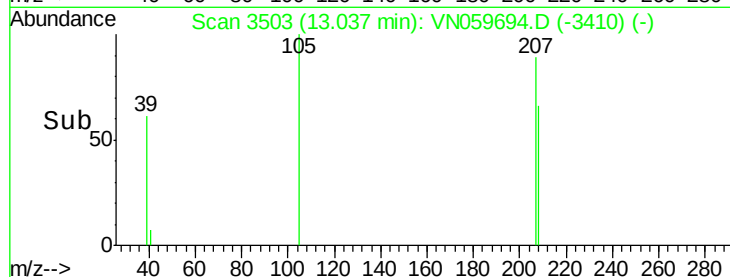
Tgt Ion:105 Resp: 346
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.3 66.9#



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

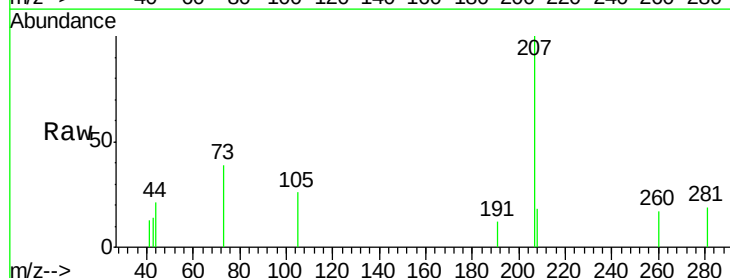


Time--> 13.00 13.02 13.04 13.06

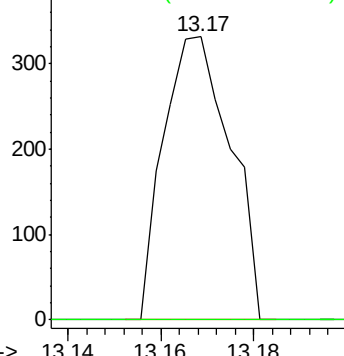


#85
 sec-Butylbenzene
 Concen: 10.973 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059694.D
 Acq: 14 Jan 2020 8:44

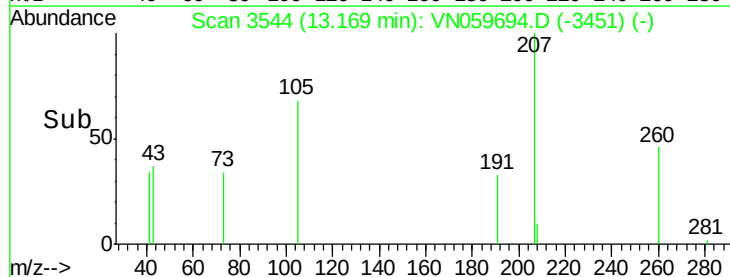
Tgt Ion:105 Resp: 333
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.5#

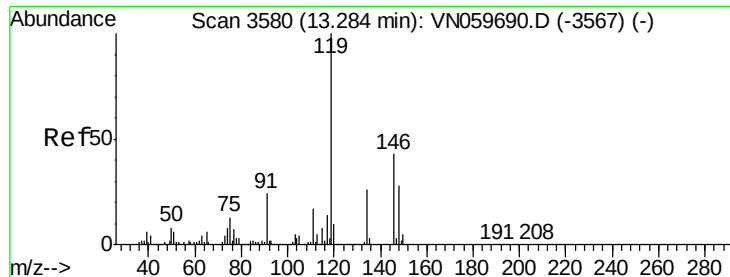


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V



Time--> 13.14 13.16 13.18

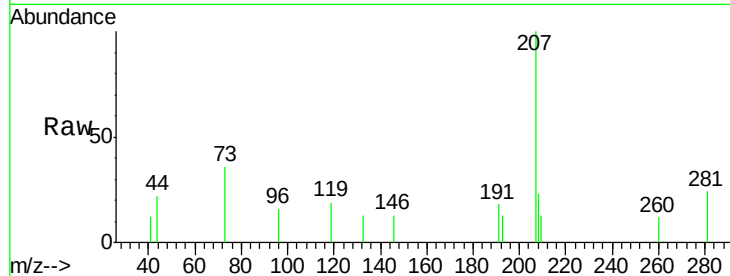




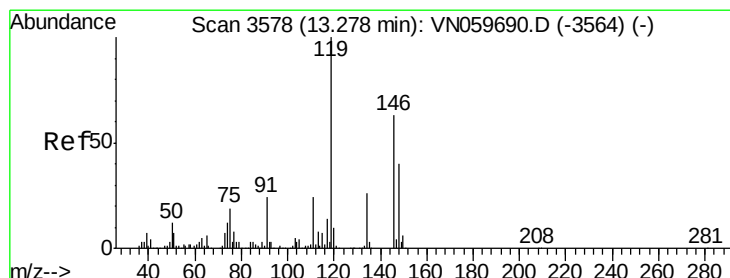
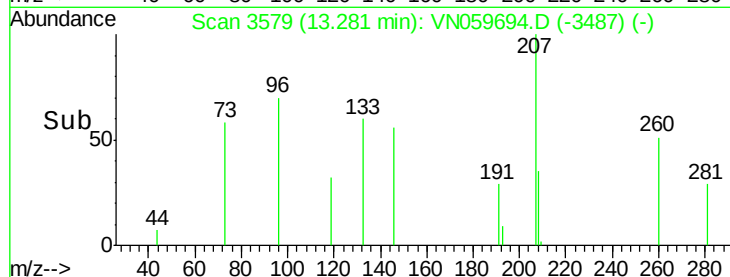
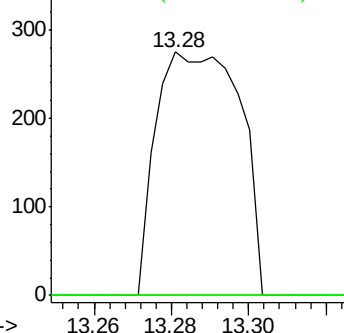
#86
 p-Isopropyltoluene
 Concen: 14.708 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN059694.D
 Acq: 14 Jan 2020 8:44

Instrument :
 MSVOA_N
 ClientSampled :
 BFB

Tgt Ion:119 Resp: 413
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.9 38.7#
 91 0.0 12.4 37.4#

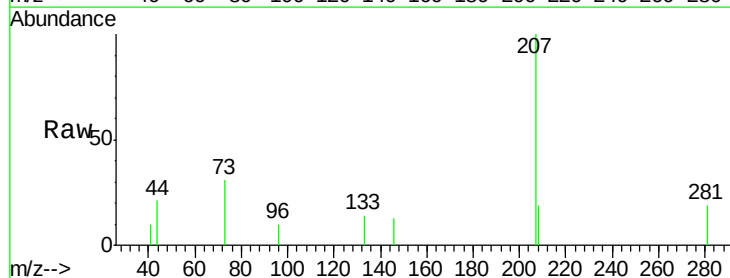


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

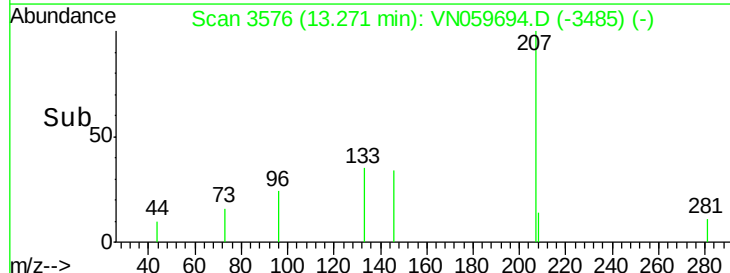
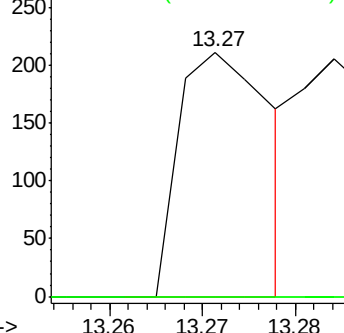


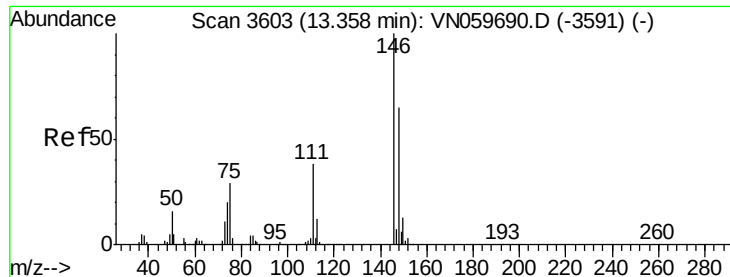
#87
 1,3-Dichlorobenzene
 Concen: 10.380 ug/l
 RT: 13.27 min Scan# 3576
 Delta R.T. -0.01 min
 Lab File: VN059694.D
 Acq: 14 Jan 2020 8:44

Tgt Ion:146 Resp: 145
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.8 62.2#
 148 0.0 32.0 96.0#



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

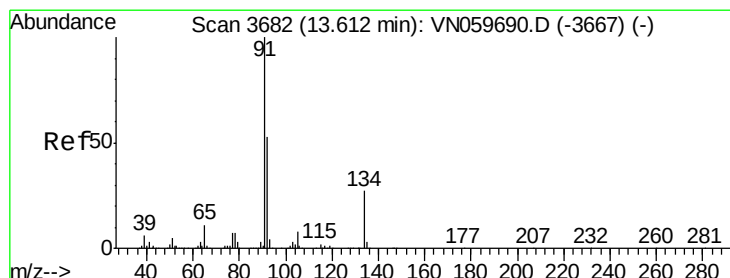
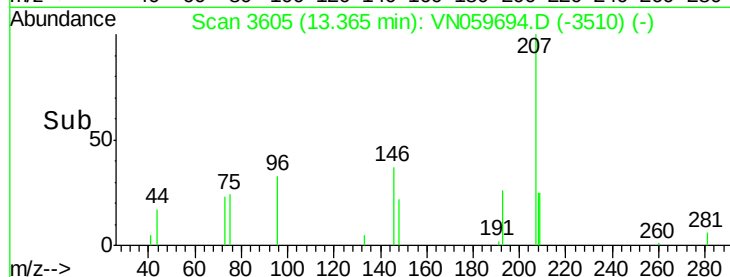
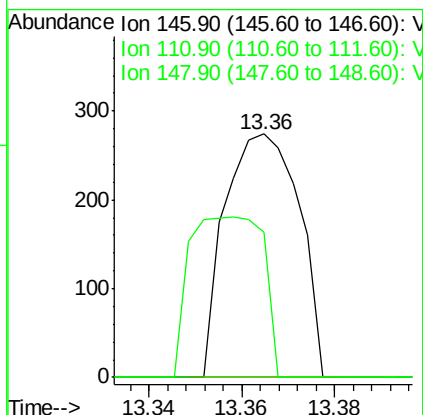
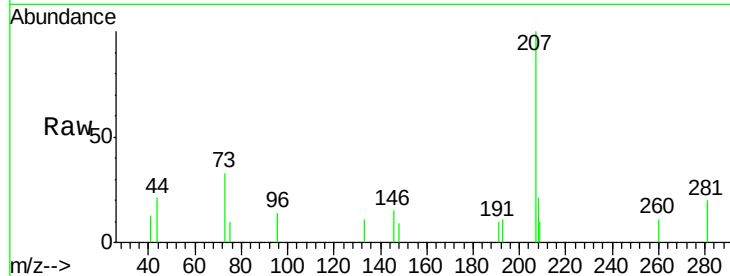




#88
 1,4-Dichlorobenzene
 Concen: 21.815 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.01 min
 Lab File: VN059694.D
 Acq: 14 Jan 2020 8:44

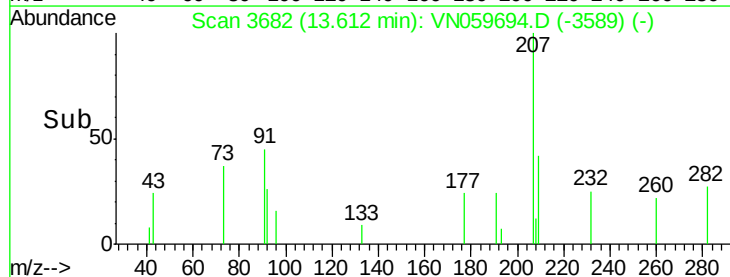
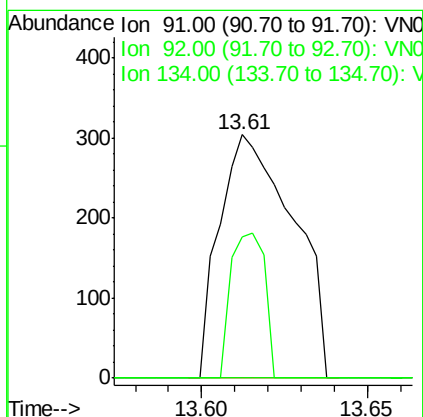
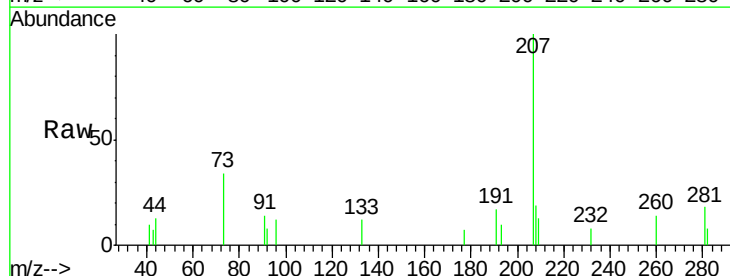
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

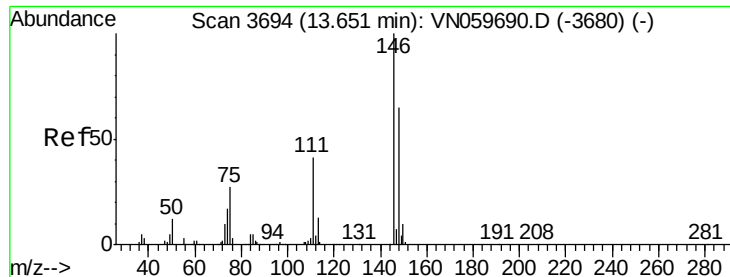
Tgt Ion: 146 Resp: 304
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.8 62.2#
 148 65.5 31.8 95.4



#89
 n-Butylbenzene
 Concen: 19.714 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN059694.D
 Acq: 14 Jan 2020 8:44

Tgt Ion: 91 Resp: 472
 Ion Ratio Lower Upper
 91 100
 92 27.1 25.9 77.7
 134 0.0 12.3 36.8#

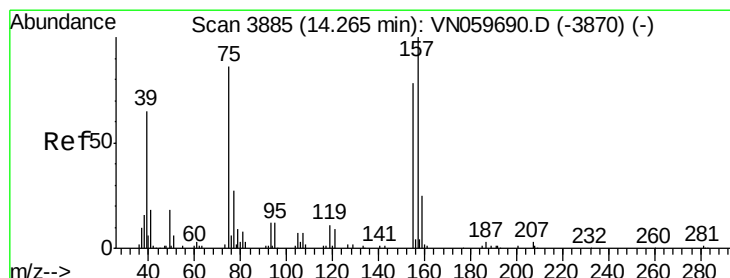
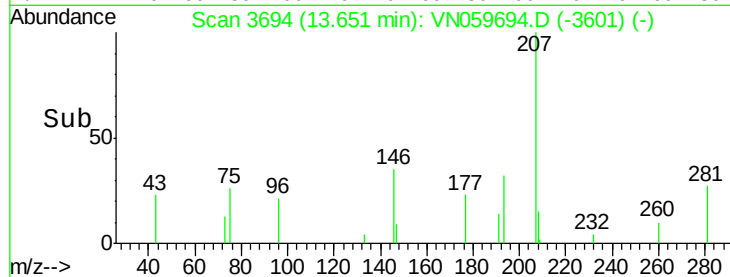
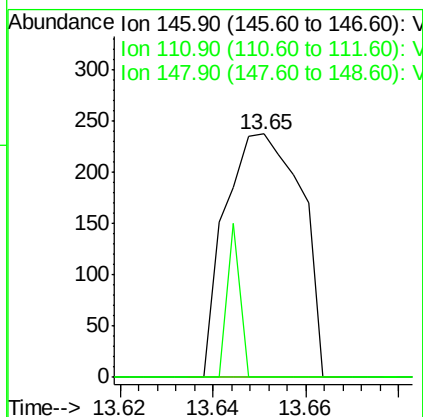
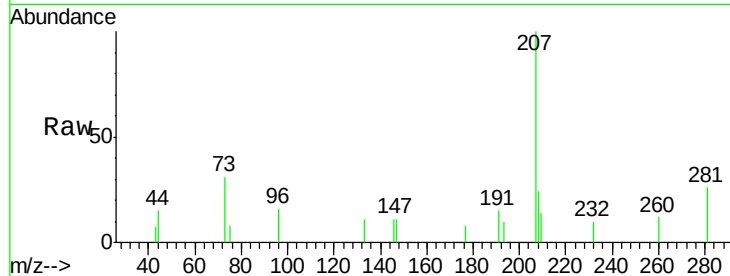




#91
 1,2-Dichlorobenzene
 Concen: 19.551 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059694.D
 Acq: 14 Jan 2020 8:44

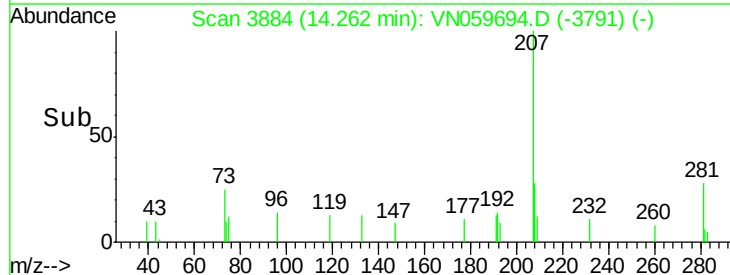
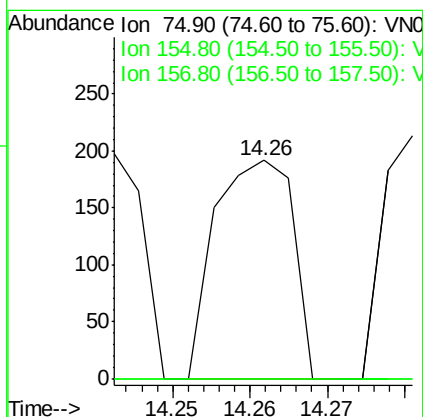
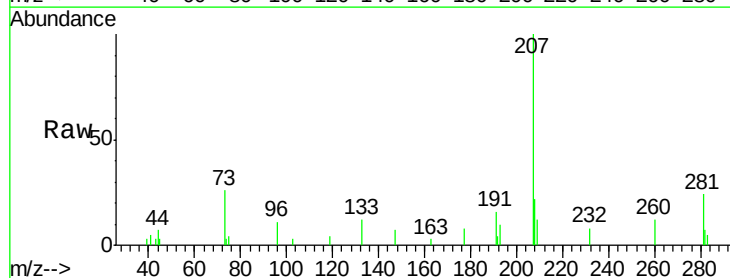
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

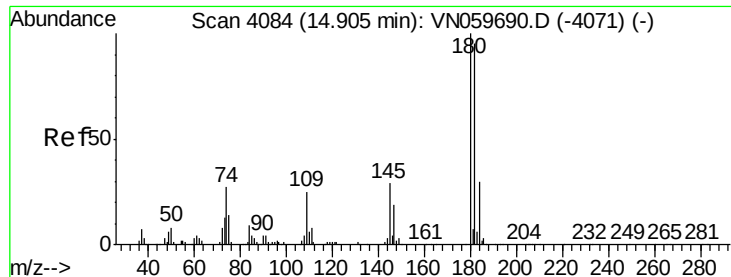
Tgt Ion: 146 Resp: 270
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.6 64.8#
 148 10.7 31.6 95.0#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 68.591 ug/l
 RT: 14.26 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VN059694.D
 Acq: 14 Jan 2020 8:44

Tgt Ion: 75 Resp: 134
 Ion Ratio Lower Upper
 75 100
 155 0.0 37.0 110.9#
 157 0.0 48.4 145.2#

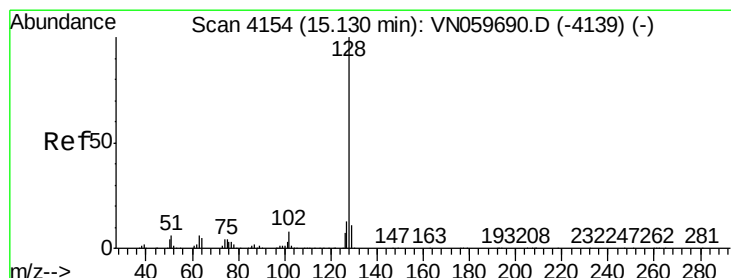
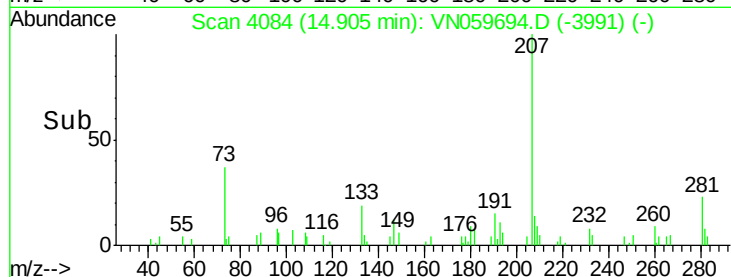
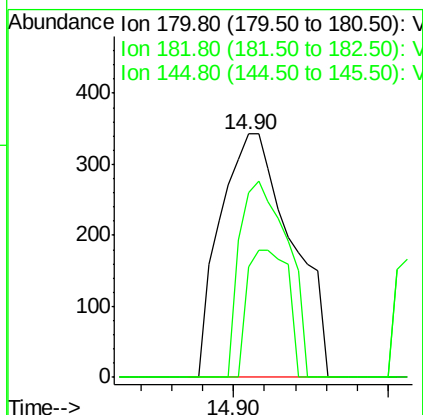
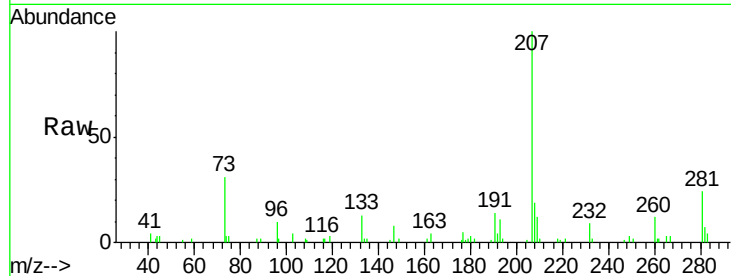




#93
 1,2,4-Trichlorobenzene
 Concen: 66.400 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN059694.D
 Acq: 14 Jan 2020 8:44

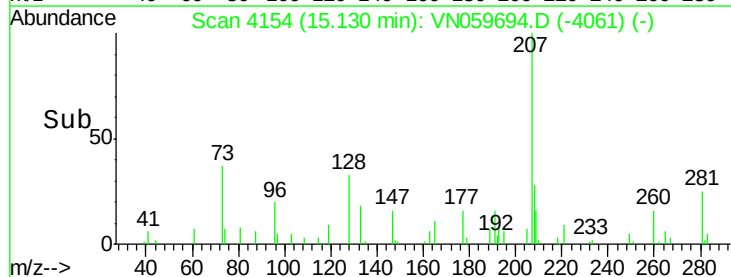
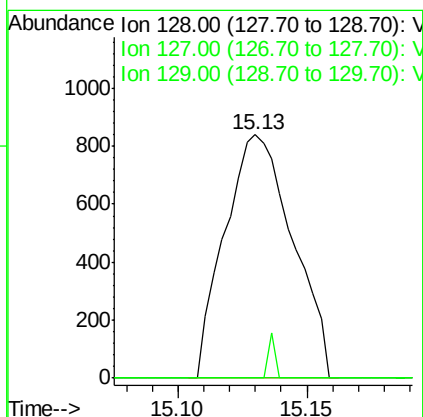
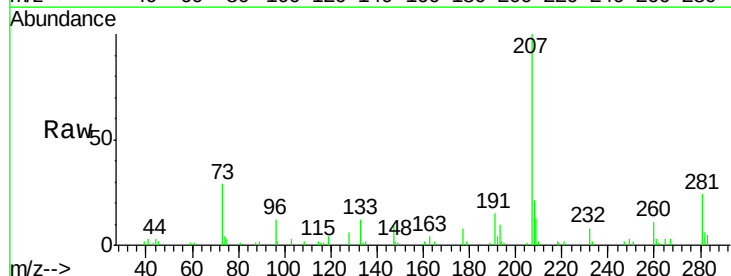
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

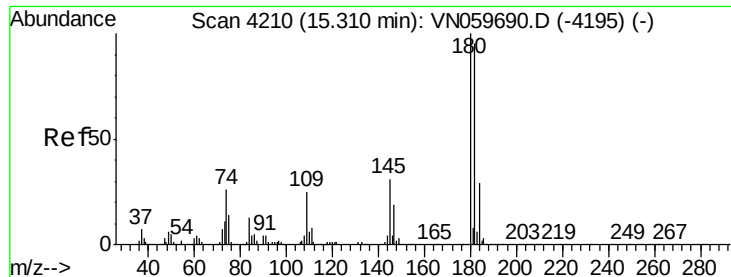
Tgt Ion:180 Resp: 551
 Ion Ratio Lower Upper
 180 100
 182 54.1 46.9 140.7
 145 29.4 15.0 45.1



#95
 Naphthalene
 Concen: 65.330 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN059694.D
 Acq: 14 Jan 2020 8:44

Tgt Ion:128 Resp: 1542
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.4 15.6#
 129 1.9 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 93.473 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN059694.D
 Acq: 14 Jan 2020 8:44

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Tgt Ion	Ratio	Lower	Upper
180	100		
182	74.2	47.4	142.3
145	30.9	16.3	48.9

