

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054384.D
 Acq On : 18 Mar 2019 10:48
 Operator : JC/SP
 Sample : K1894-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW08-GW

Quant Time: Mar 19 05:08:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1877292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2656278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2363719	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1136164	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	896815	44.98	ug/l	0.00
Spiked Amount			Recovery	=	89.96%	
35) Dibromofluoromethane	7.59	113	792698	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
50) Toluene-d8	10.09	98	3156454	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.40	95	1091463	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.95	142	612	1.518	ug/l #	52
11) Tert butyl alcohol	4.83	59	8010	5.861	ug/l #	70
13) Acrolein	3.61	56	1356	1.047	ug/l #	14
15) Acrylonitrile	5.03	53	3720	0.663	ug/l #	48
16) Acetone	3.82	43	31929	5.593	ug/l	97
18) Methyl Acetate	4.33	43	5026	0.435	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	302932	6.266	ug/l #	23
25) 2-Butanone	6.84	43	3805	0.568	ug/l #	88
31) Cyclohexane	7.65	56	241761	7.009	ug/l #	91
36) 1,1-Dichloropropene	7.66	75	116272	4.753	ug/l #	48
38) Carbon Tetrachloride	7.66	117	158598	6.182	ug/l #	16
39) Methylcyclohexane	9.08	83	316728	10.523	ug/l	98
40) Benzene	8.04	78	1621651	23.166	ug/l	100
42) 1,2-Dichloroethane	8.04	62	13297	0.563	ug/l	89
43) Isopropyl Acetate	8.15	43	17900	0.726	ug/l #	60
48) Methyl methacrylate	9.14	41	8504	0.679	ug/l #	11
51) 4-Methyl-2-Pentanone	9.99	43	13296	1.018	ug/l	94
52) Toluene	10.16	92	1533279	34.545	ug/l	99
53) t-1,3-Dichloropropene	10.27	75	1566	2.042	ug/l #	22
55) 1,1,2-Trichloroethane	10.53	97	59751	3.687	ug/l #	18
56) Ethyl methacrylate	10.43	69	5582	0.289	ug/l #	40
58) 2-Chloroethyl Vinyl ether	9.67	63	764	16.913	ug/l #	44
59) 2-Hexanone	10.76	43	15452	1.779	ug/l	81
65) Chlorobenzene	11.59	112	20574	0.396	ug/l #	56
68) m/p-Xylenes	11.51	106	12729947	378.571	ug/l #	1
70) Styrene	11.95	104	1767665	34.384	ug/l #	1
71) Bromoform	12.40	173	6219	2.763	ug/l #	1
73) Isopropylbenzene	12.25	105	2235186	24.589	ug/l	100
74) N-amyl acetate	12.03	43	10895	0.540	ug/l #	59
76) 1,2,3-Trichloropropane	12.59	75	35023	2.096	ug/l #	100
78) n-propylbenzene	12.59	91	5441257	55.167	ug/l	99
79) 2-Chlorotoluene	12.65	91	3395956	57.263	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.73	105	14401088	190.466	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.25	75	23585	4.826	ug/l #	70

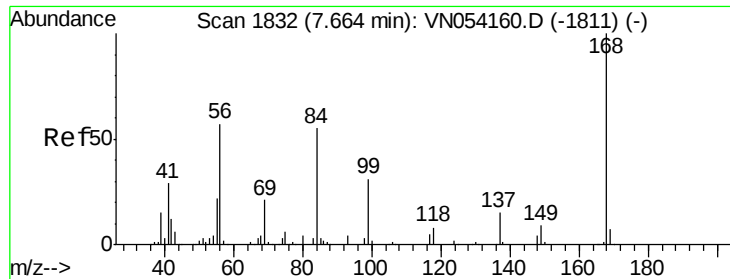
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	12.73	91	1444375	24.391	ug/l #	39
83) tert-Butylbenzene	13.04	119	11121384	159.803	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.17	105	319027	4.301	ug/l #	30
85) sec-Butylbenzene	13.17	105	319027	3.535	ug/l #	65
86) p-Isopropyltoluene	13.23	119	1192971	15.067	ug/l #	77
89) n-Butylbenzene	13.58	91	1046153	17.389	ug/l #	1
90) Hexachloroethane	13.89	117	767013	58.502	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.25	75	40451	13.498	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	2523	2.617	ug/l #	65
95) Naphthalene	15.13	128	16772844	316.698	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

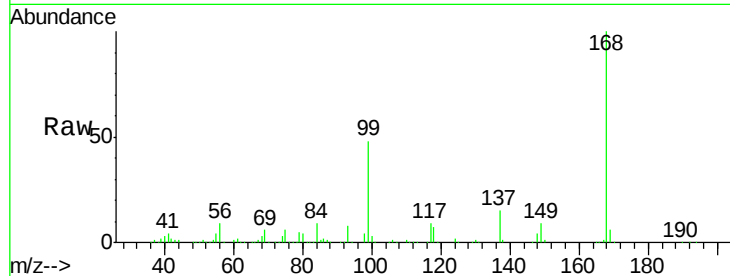
RFK-RMAB-MW08-GW

Tot Ion:168 Resp: 1877292

Ion Ratio Lower Upper

168 100

99 48.0 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

800000

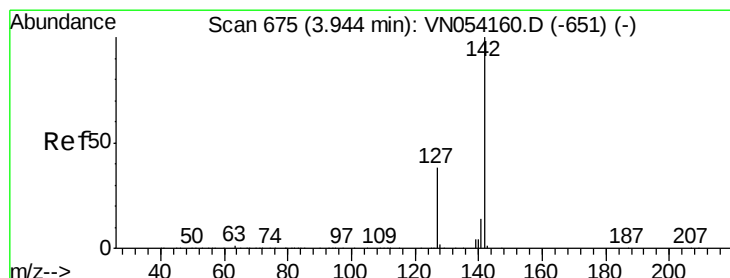
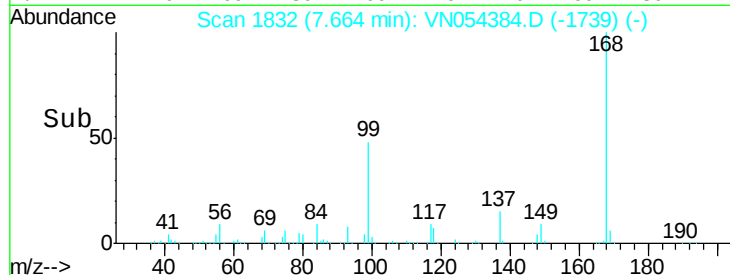
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#10

Methyl Iodide

Concen: 1.518 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.01 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

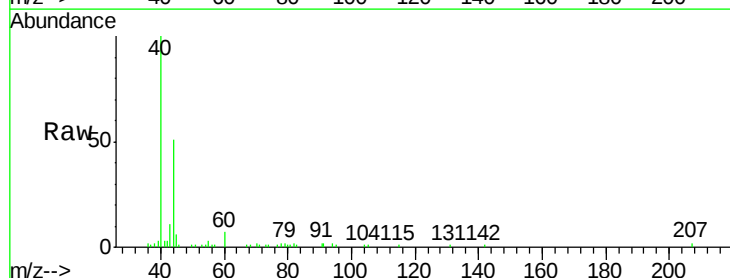
Tgt Ion:142 Resp: 612

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

141 10.3 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.95

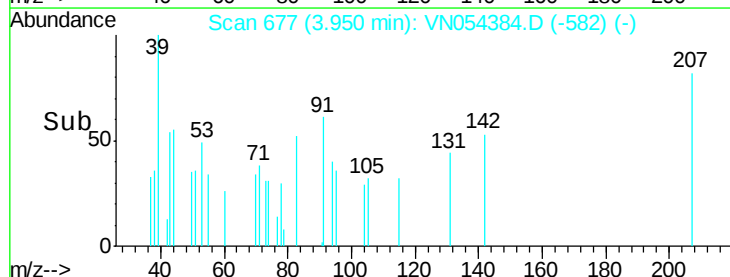
300

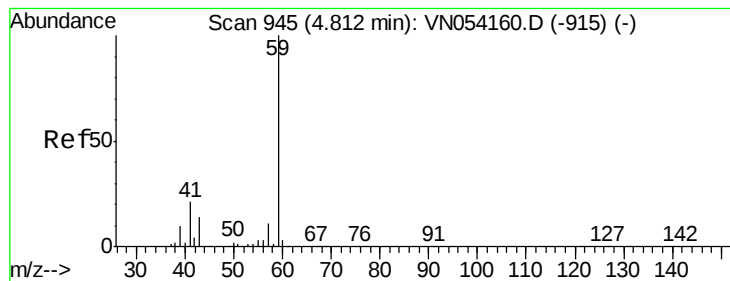
200

100

0

Time--> 3.90 3.95 4.00



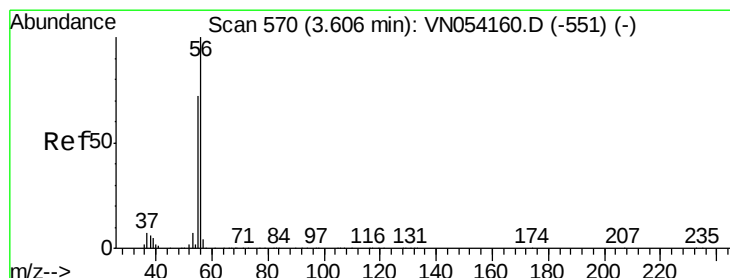
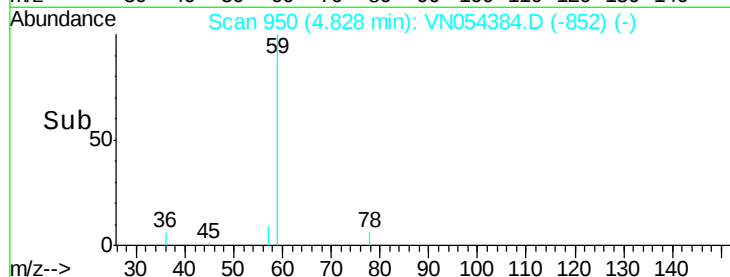
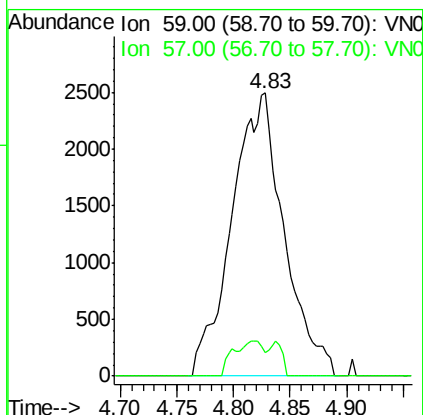
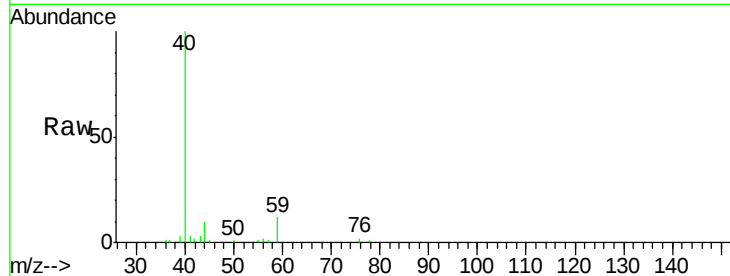


#11

Tert butyl alcohol
 Concen: 5.861 ug/l
 RT: 4.83 min Scan# 950
 Delta R.T. 0.02 min
 Lab File: VN054384.D
 Acq: 18 Mar 2019 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW08-GW

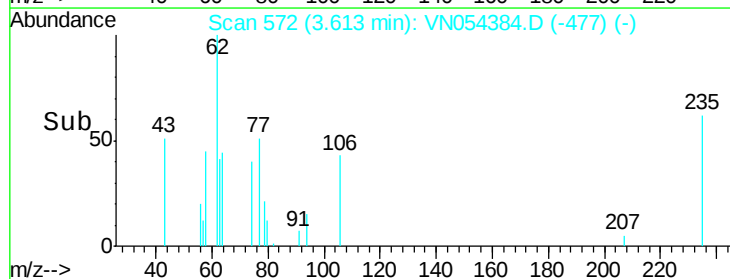
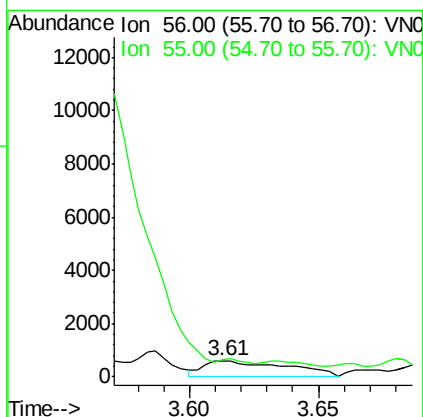
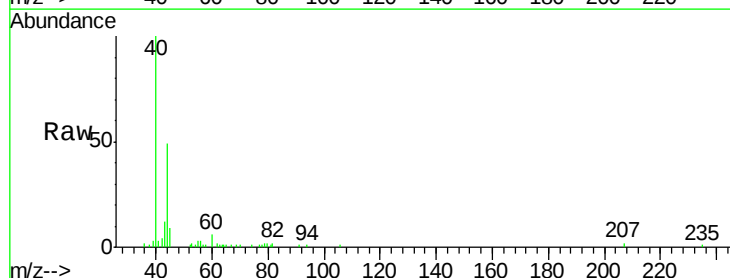
Tot Ion: 59 Resp: 8010
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

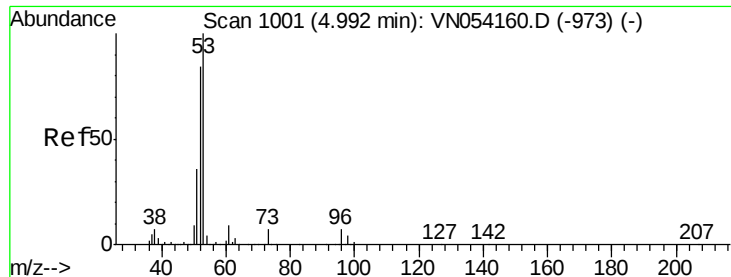


#13

Acrolein
 Concen: 1.047 ug/l
 RT: 3.61 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: VN054384.D
 Acq: 18 Mar 2019 10:48

Tgt Ion: 56 Resp: 1356
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.7 85.1#





#15

Acrylonitrile

Concen: 0.663 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.04 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GW

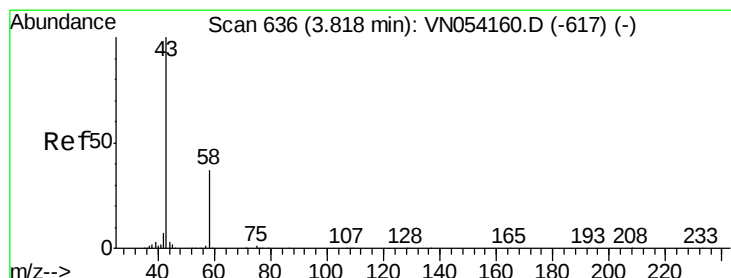
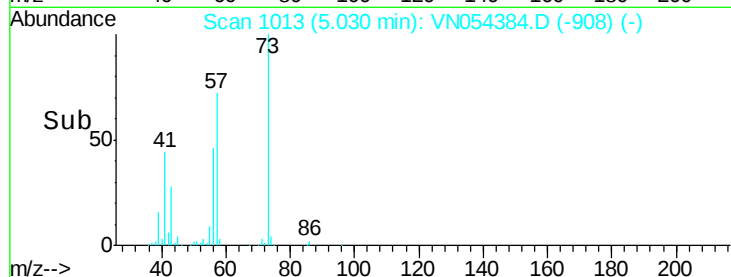
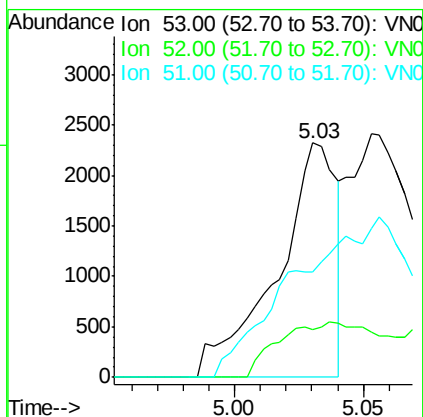
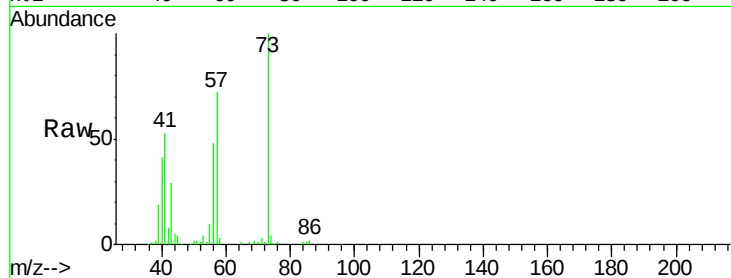
Tot Ion: 53 Resp: 3720

Ion Ratio Lower Upper

53 100

52 40.3 66.4 99.6#

51 0.0 29.6 44.4#



#16

Acetone

Concen: 5.593 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN054384.D

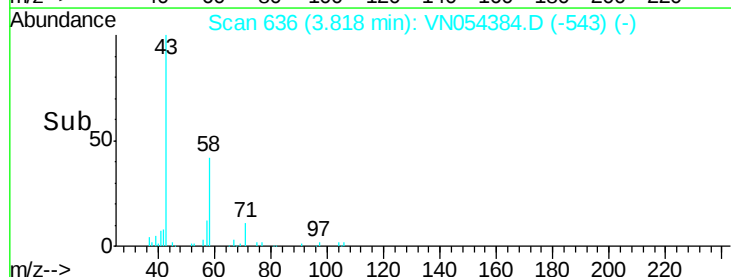
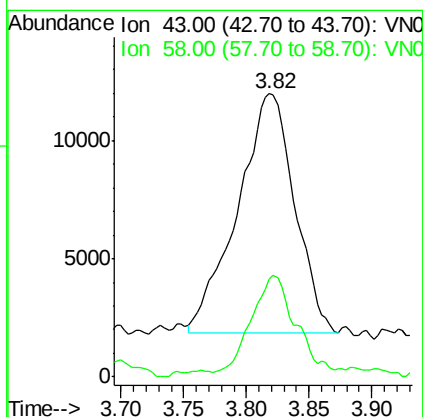
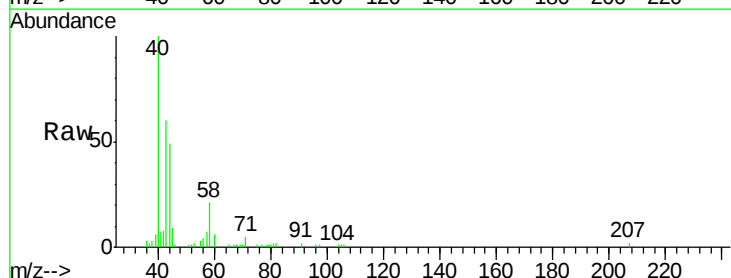
Acq: 18 Mar 2019 10:48

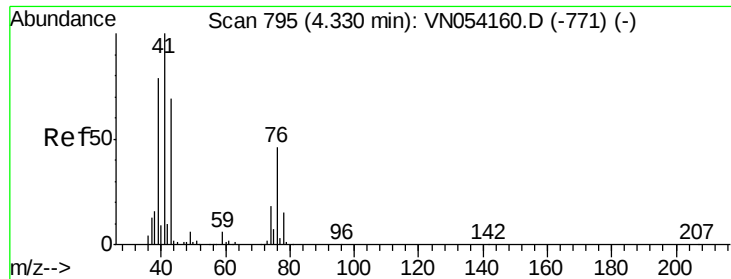
Tgt Ion: 43 Resp: 31929

Ion Ratio Lower Upper

43 100

58 38.9 29.9 44.9

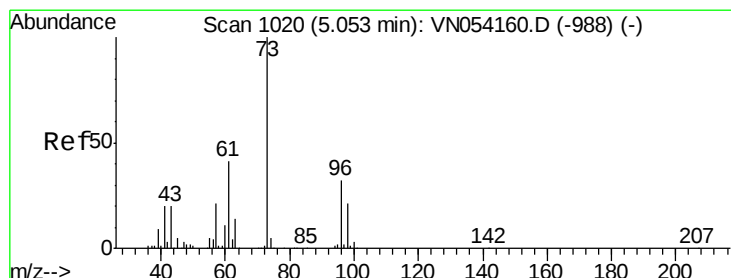
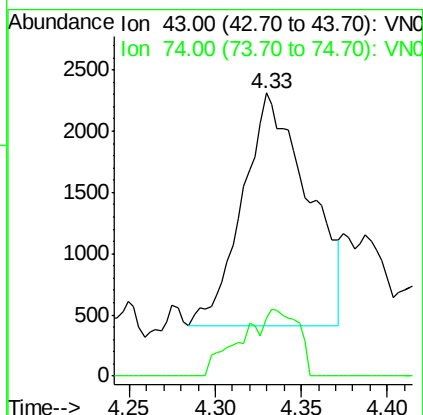
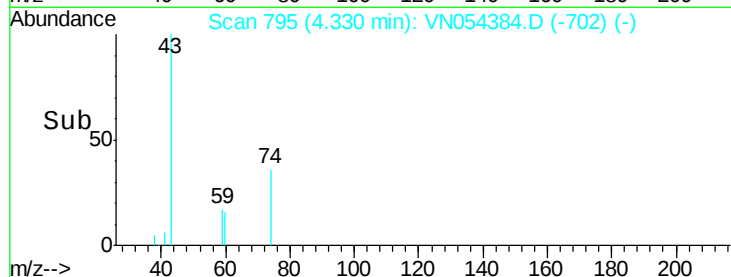
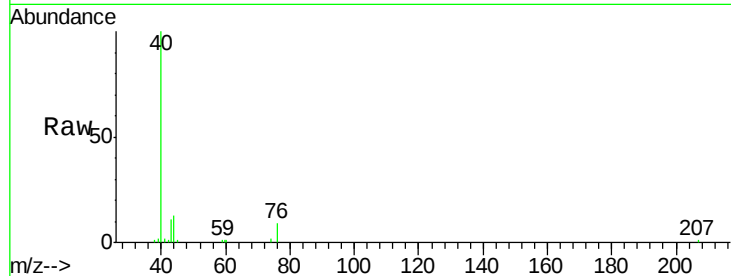




#18
Methyl Acetate
Concen: 0.435 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054384.D
Acq: 18 Mar 2019 10:48

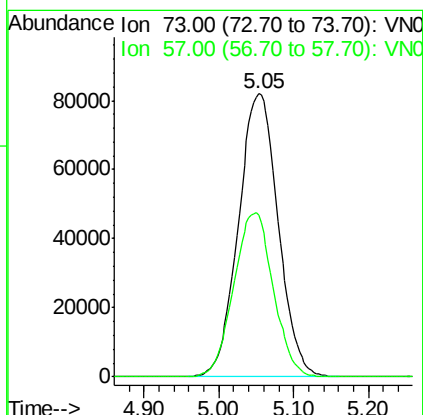
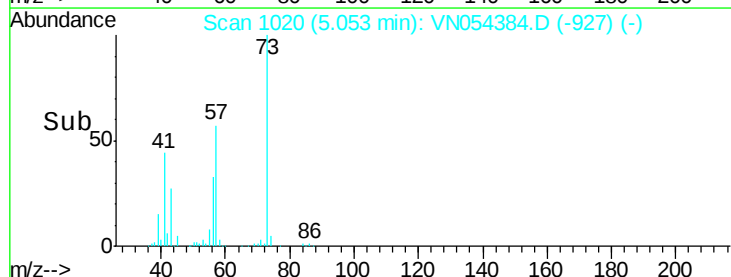
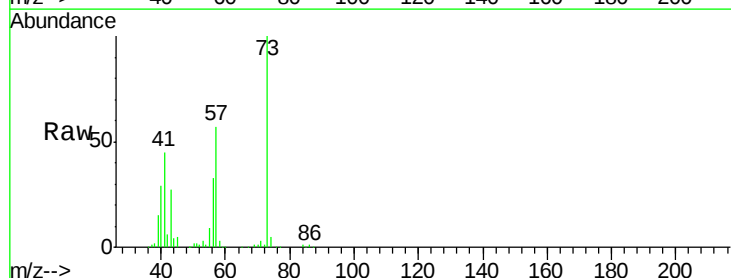
Instrument :
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RFK-RMAB-MW08-GW

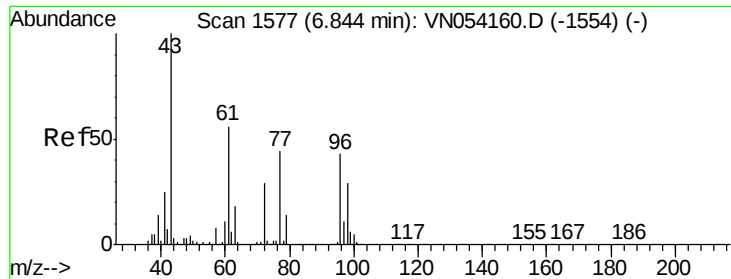
Tot Ion: 43 Resp: 5026
Ion Ratio Lower Upper
43 100
74 24.9 20.8 31.2



#19
Methyl tert-butyl Ether
Concen: 6.266 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054384.D
Acq: 18 Mar 2019 10:48

Tgt Ion: 73 Resp: 302932
Ion Ratio Lower Upper
73 100
57 57.1 16.8 25.2#





#25

2-Butanone

Concen: 0.568 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

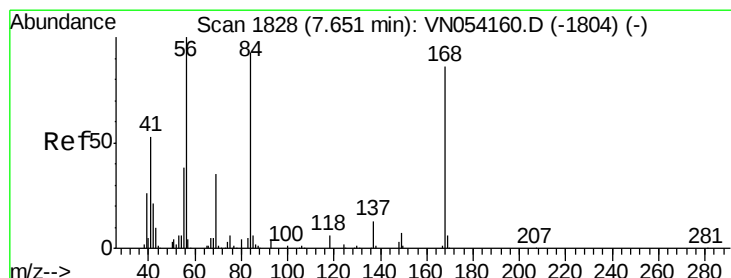
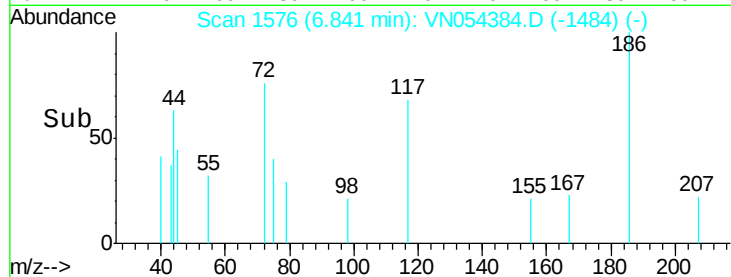
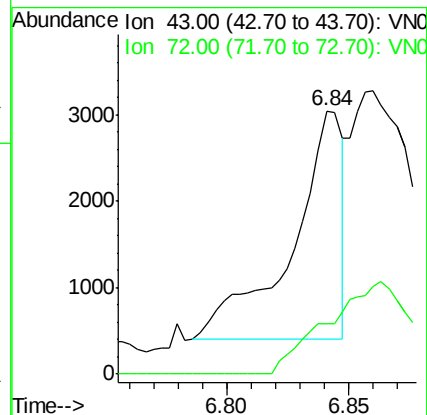
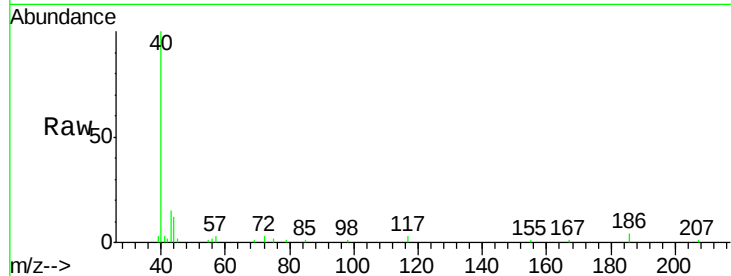
RFK-RMAB-MW08-GW

Tot Ion: 43 Resp: 3805

Ion Ratio Lower Upper

43 100

72 22.2 23.0 34.6#



#31

Cyclohexane

Concen: 7.009 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

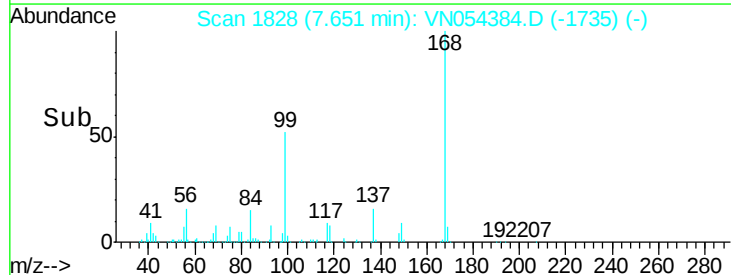
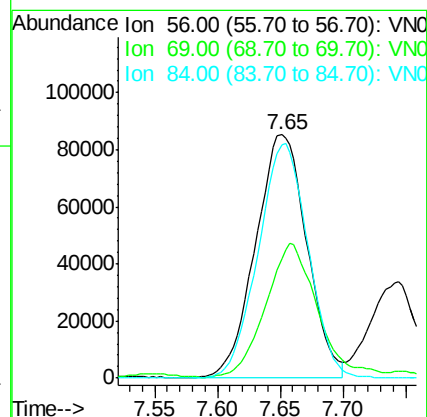
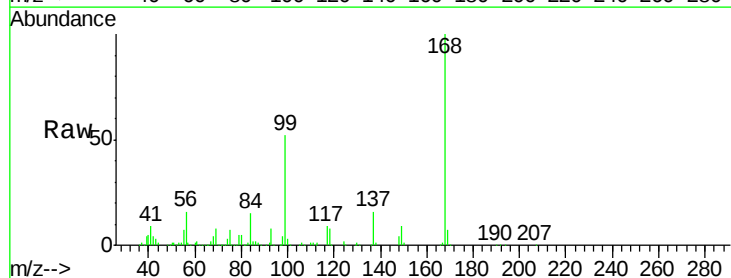
Tgt Ion: 56 Resp: 241761

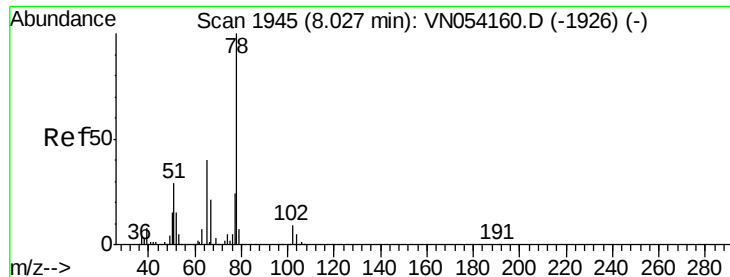
Ion Ratio Lower Upper

56 100

69 48.7 27.8 41.6#

84 96.3 74.6 111.8





#33

1,2-Dichloroethane-d4

Concen: 44.983 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

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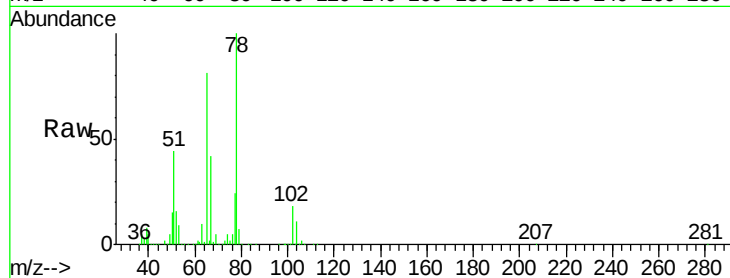
RFK-RMAB-MW08-GW

Tot Ion: 65 Resp: 896815

Ion Ratio Lower Upper

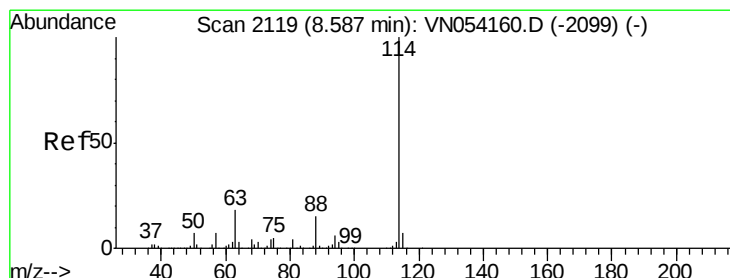
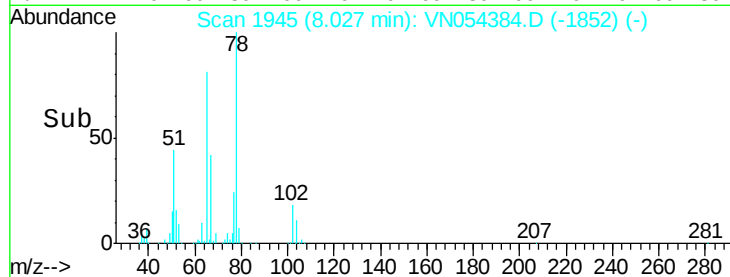
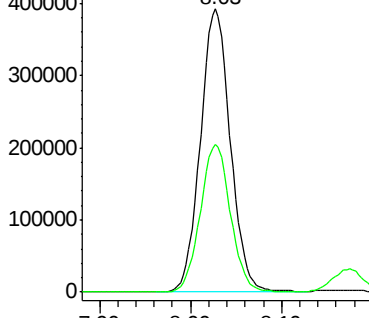
65 100

67 52.4 0.0 104.6



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: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

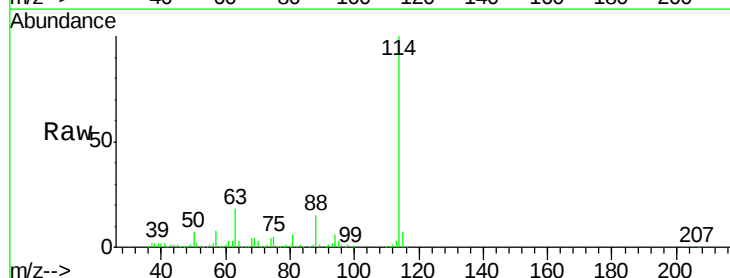
Tgt Ion:114 Resp: 2656278

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.2

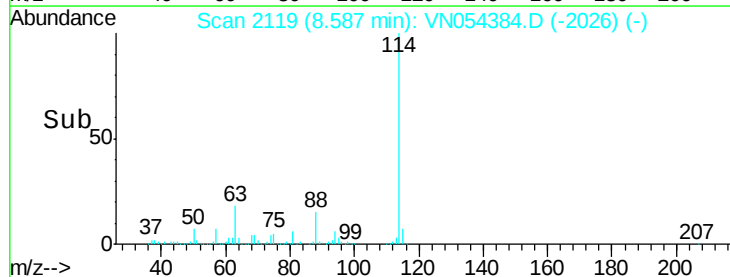
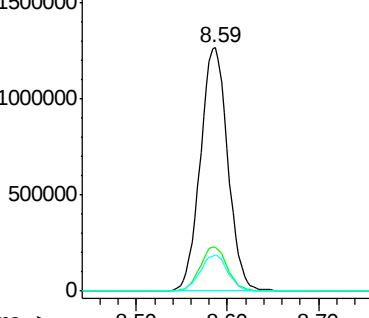
88 14.8 0.0 30.2

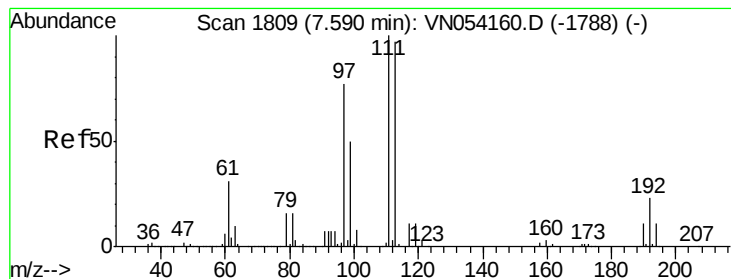


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 46.270 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

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RFK-RMAB-MW08-GW

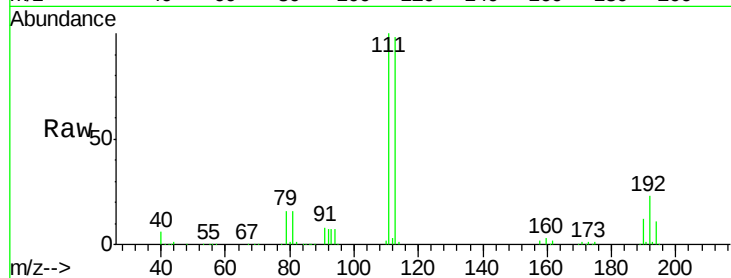
Tot Ion:113 Resp: 792698

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

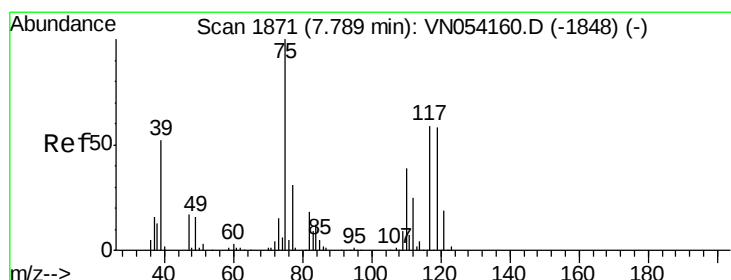
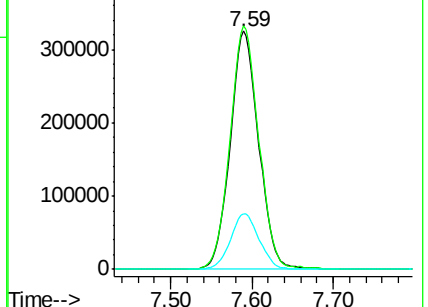
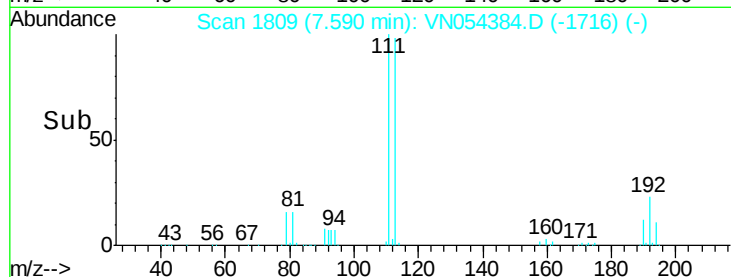
192 23.6 19.2 28.8



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



#36

1,1-Dichloropropene

Concen: 4.753 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

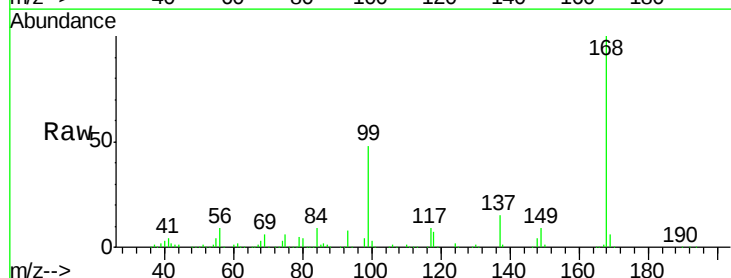
Tgt Ion: 75 Resp: 116272

Ion Ratio Lower Upper

75 100

110 9.2 19.1 57.5#

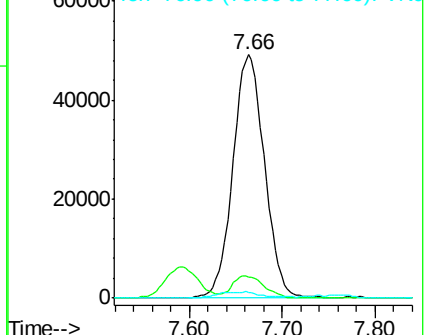
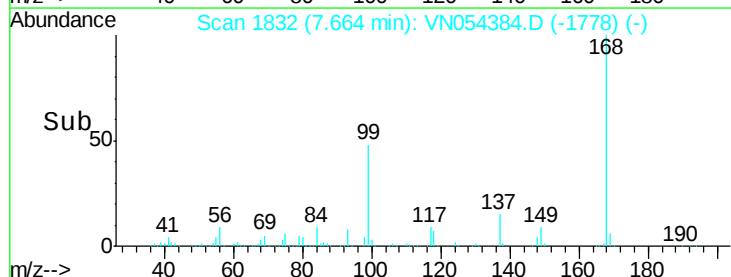
77 0.0 25.0 37.4#

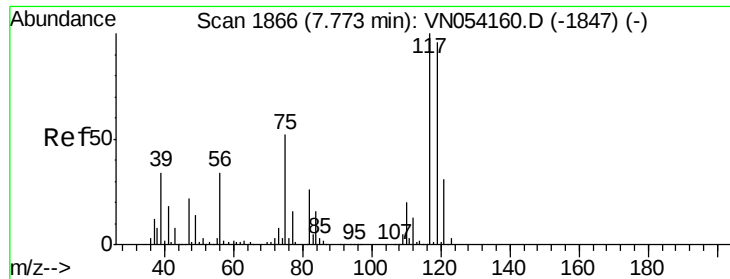


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

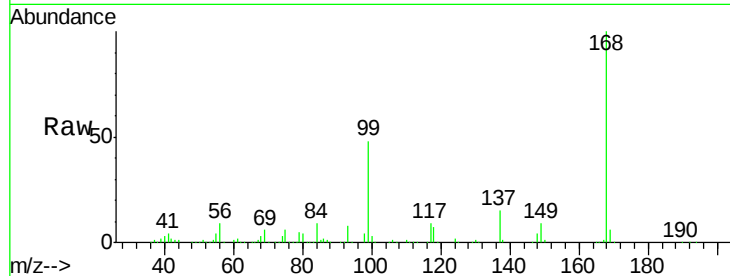




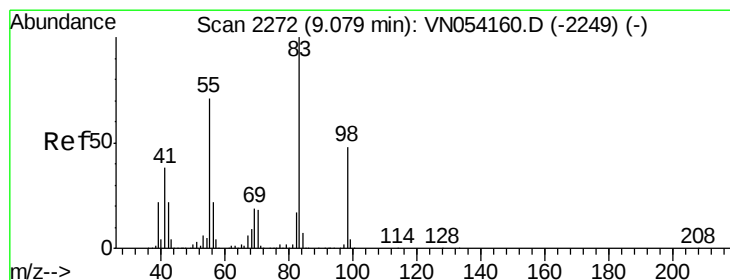
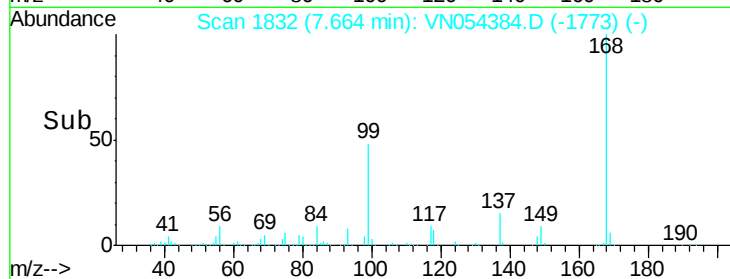
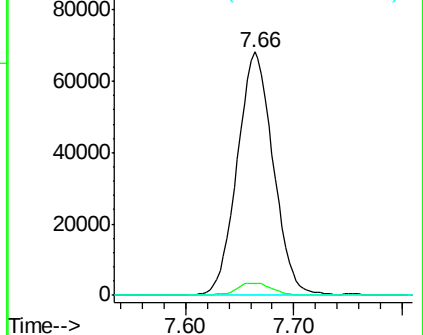
#38
Carbon Tetrachloride
Concen: 6.182 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054384.D
Acq: 18 Mar 2019 10:48

Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW08-GW

Tot Ion:117 Resp: 158598
Ion Ratio Lower Upper
117 100
119 5.1 76.3 114.5#
121 0.0 24.6 36.8#

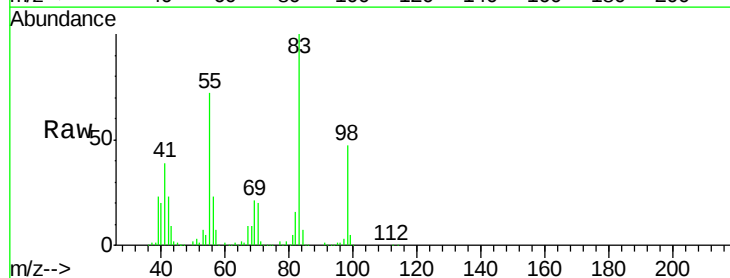


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

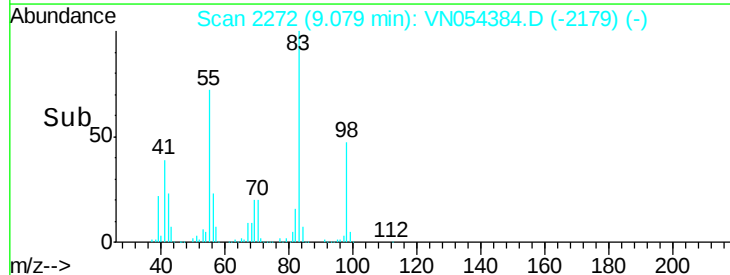
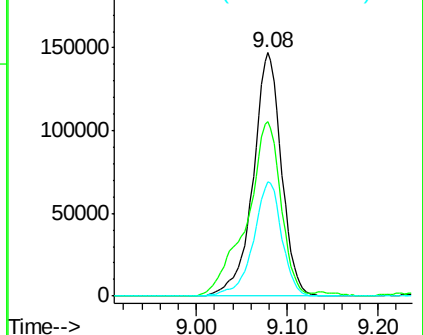


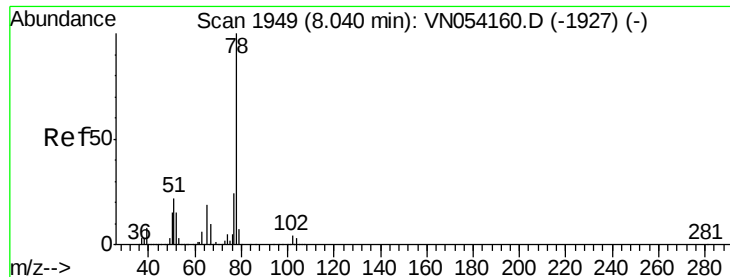
#39
Methylcyclohexane
Concen: 10.523 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054384.D
Acq: 18 Mar 2019 10:48

Tgt Ion: 83 Resp: 316728
Ion Ratio Lower Upper
83 100
55 71.9 56.6 84.8
98 46.9 38.4 57.6



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





#40

Benzene

Concen: 23.166 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

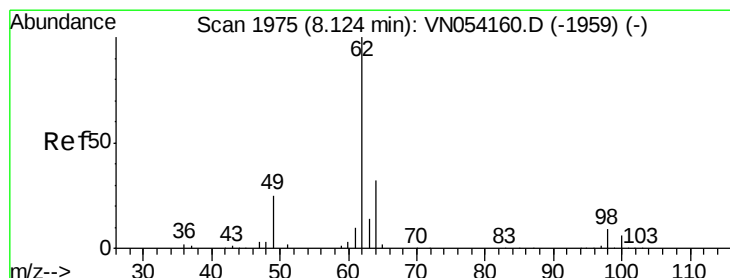
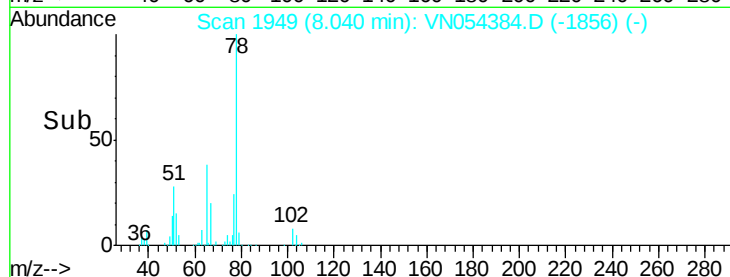
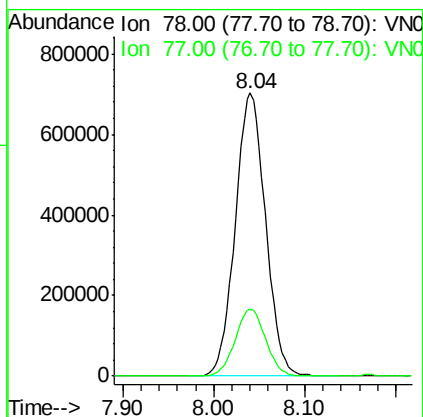
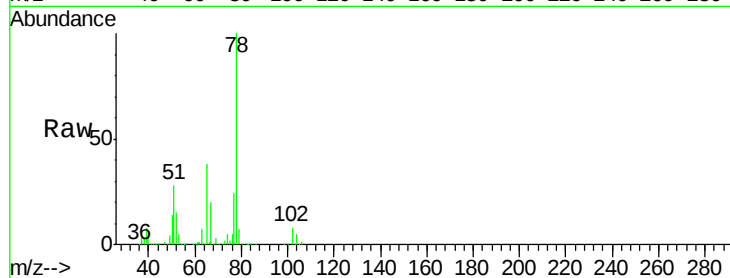
RFK-RMAB-MW08-GW

Tot Ion: 78 Resp: 1621651

Ion Ratio Lower Upper

78 100

77 23.9 19.1 28.7



#42

1,2-Dichloroethane

Concen: 0.563 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. -0.08 min

Lab File: VN054384.D

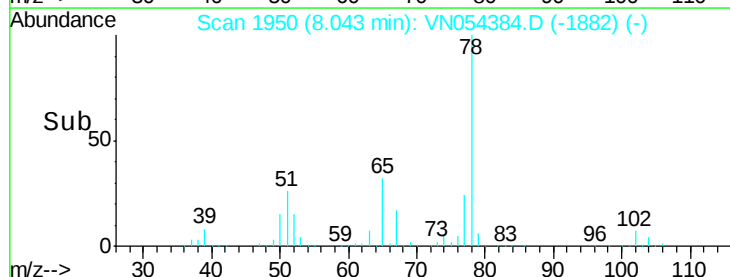
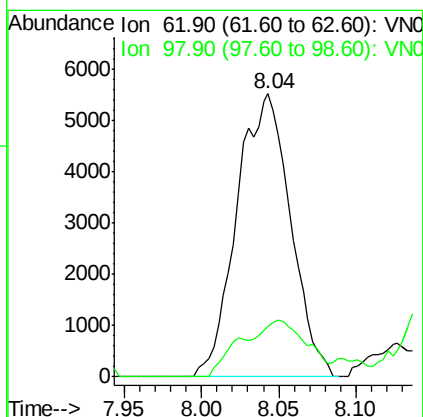
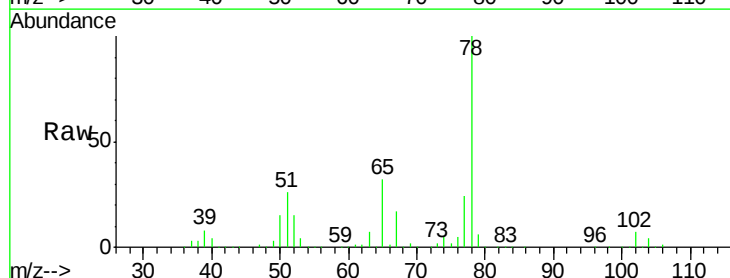
Acq: 18 Mar 2019 10:48

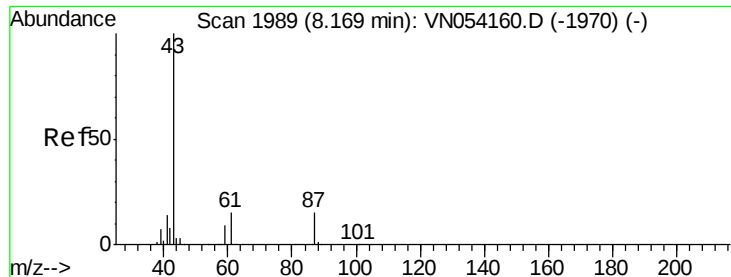
Tgt Ion: 62 Resp: 13297

Ion Ratio Lower Upper

62 100

98 13.1 0.0 18.4





#43

Isopropyl Acetate

Concen: 0.726 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.02 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GW

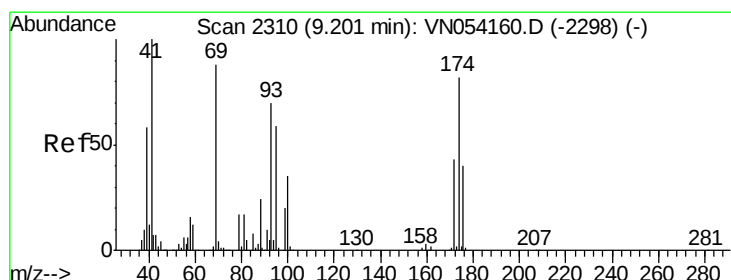
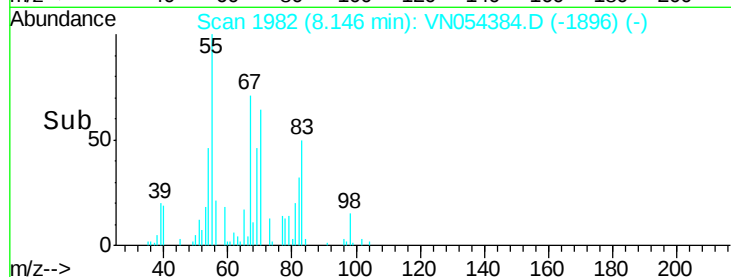
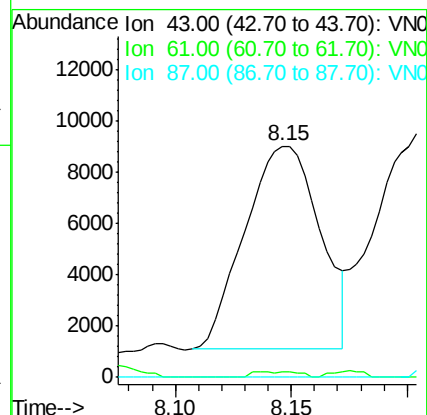
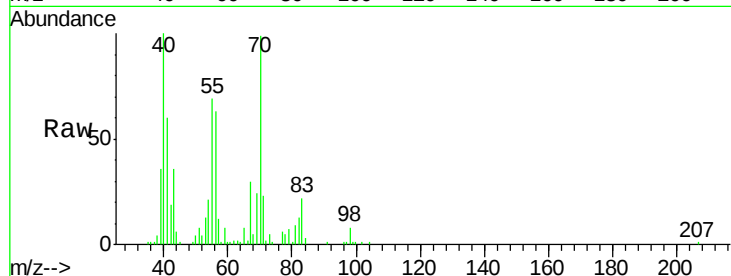
Tot Ion: 43 Resp: 17900

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

87 0.0 12.0 18.0#



#48

Methyl methacrylate

Concen: 0.679 ug/l

RT: 9.14 min Scan# 2290

Delta R.T. -0.06 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

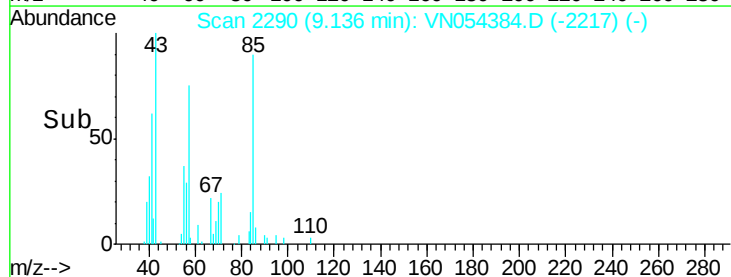
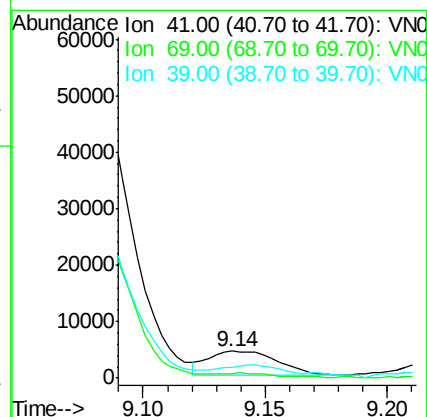
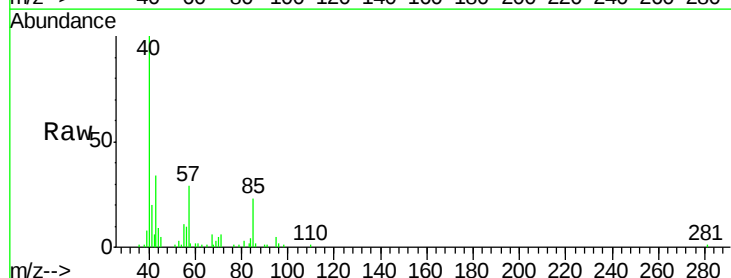
Tgt Ion: 41 Resp: 8504

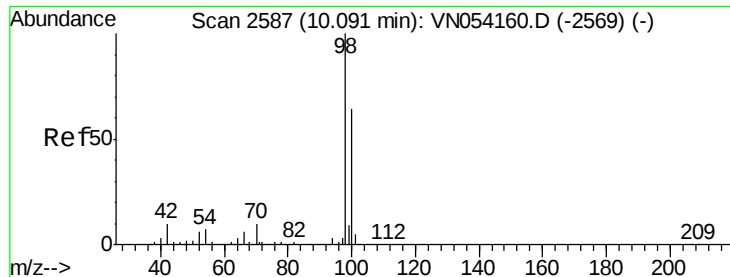
Ion Ratio Lower Upper

41 100

69 0.0 72.6 108.8#

39 0.0 47.5 71.3#





#50

Toluene-d8

Concen: 49.888 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

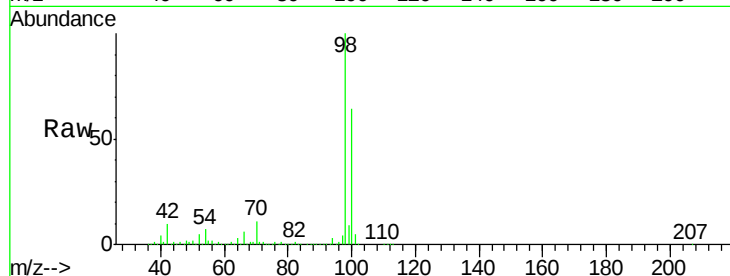
RFK-RMAB-MW08-GW

Tot Ion: 98 Resp: 3156454

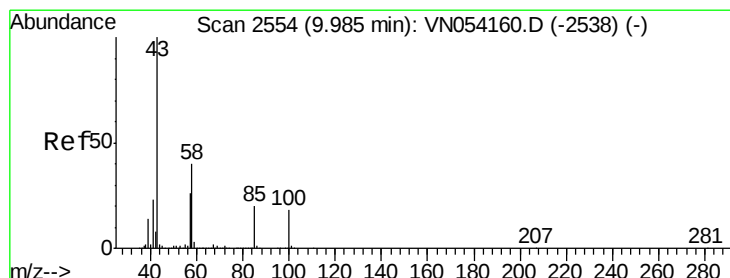
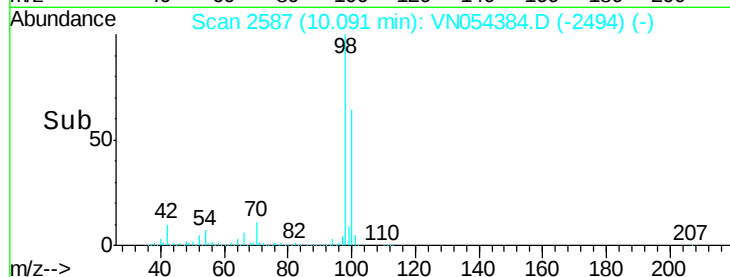
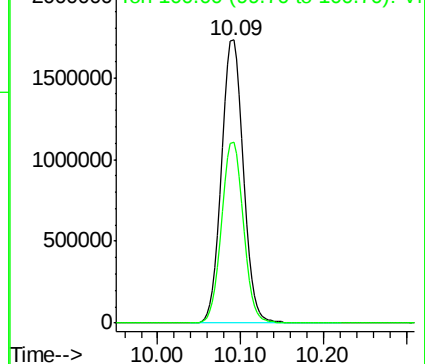
Ion Ratio Lower Upper

98 100

100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054160.D (-2569) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.018 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054384.D

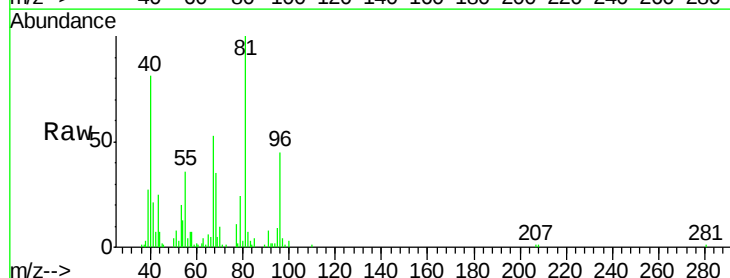
Acq: 18 Mar 2019 10:48

Tgt Ion: 43 Resp: 13296

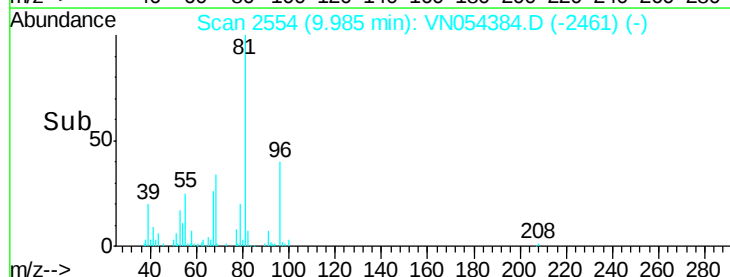
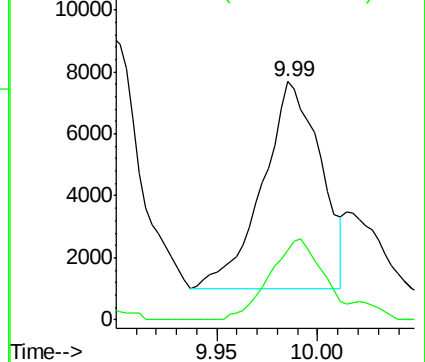
Ion Ratio Lower Upper

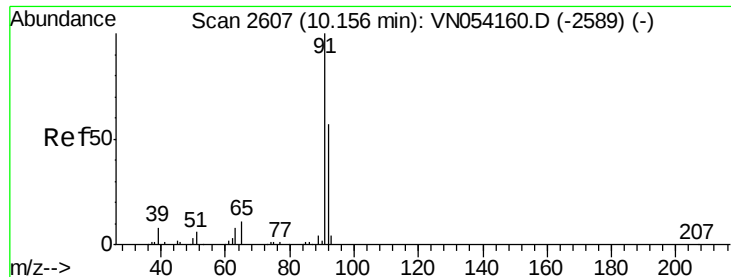
43 100

58 36.0 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-2538) (-)





#52

Toluene

Concen: 34.545 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

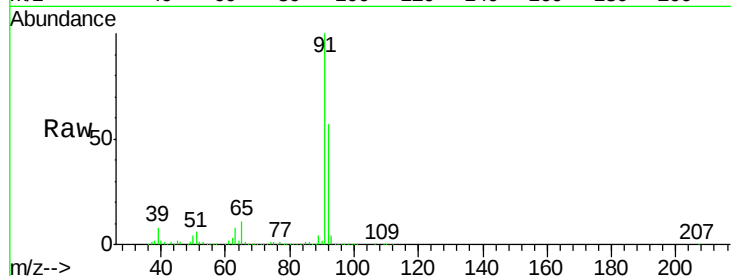
RFK-RMAB-MW08-GW

Tot Ion: 92 Resp: 1533279

Ion Ratio Lower Upper

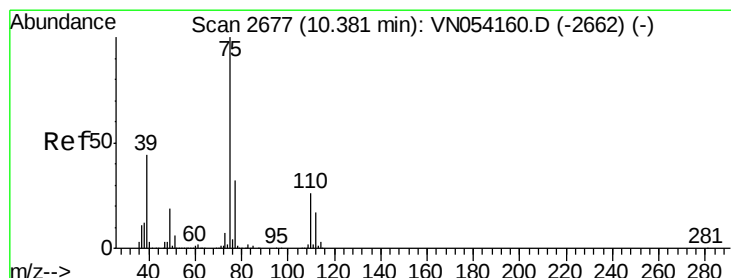
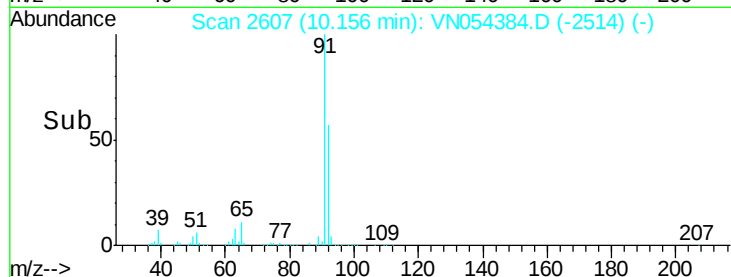
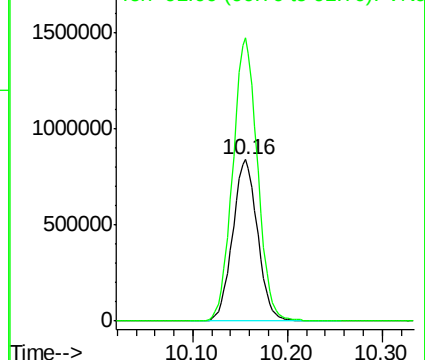
92 100

91 174.8 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 2.042 ug/l

RT: 10.27 min Scan# 2644

Delta R.T. -0.11 min

Lab File: VN054384.D

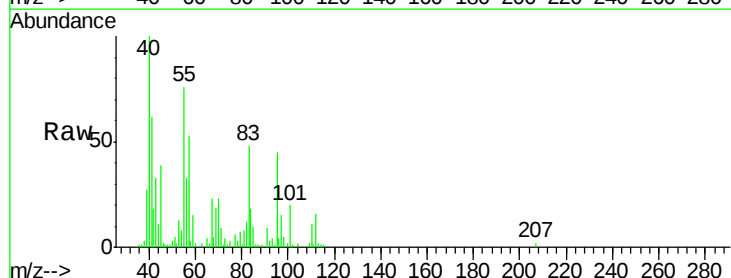
Acq: 18 Mar 2019 10:48

Tgt Ion: 75 Resp: 1566

Ion Ratio Lower Upper

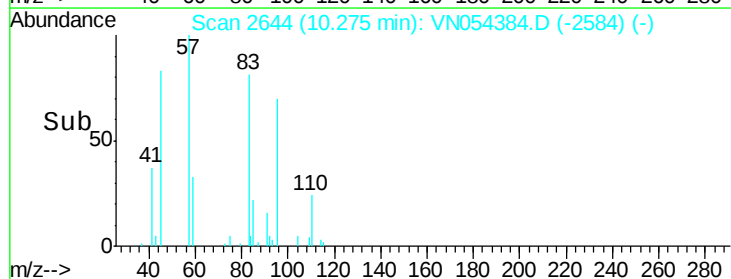
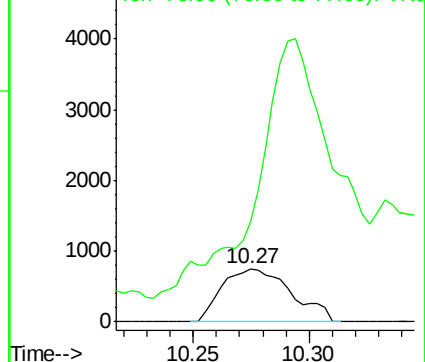
75 100

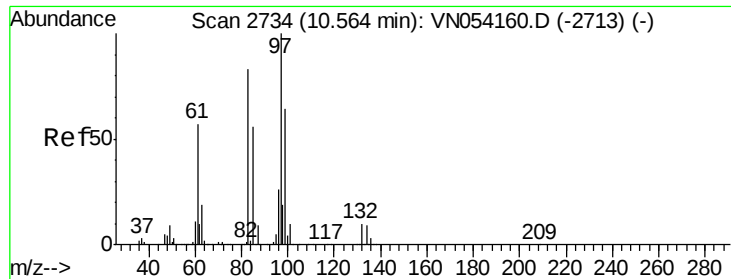
77 76.2 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

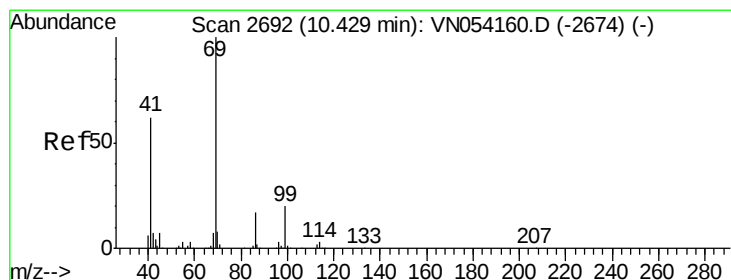
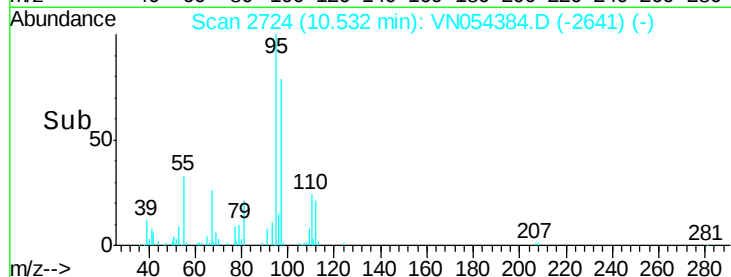
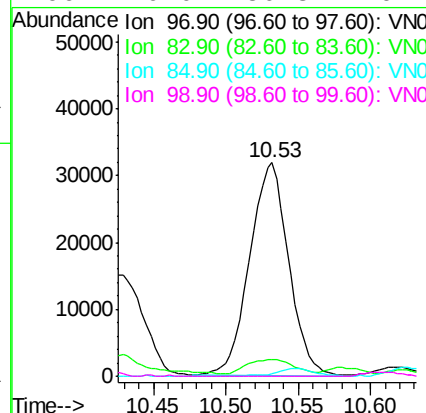
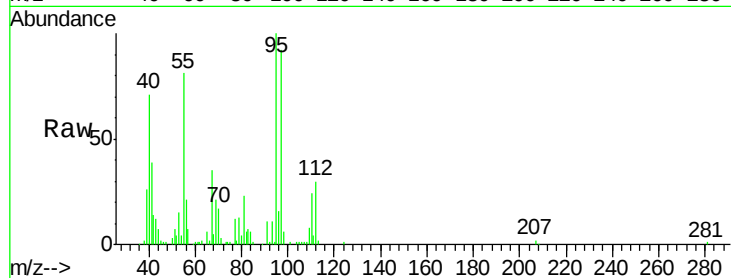




#55
 1,1,2-Trichloroethane
 Concen: 3.687 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.03 min
 Lab File: VN054384.D
 Acq: 18 Mar 2019 10:48

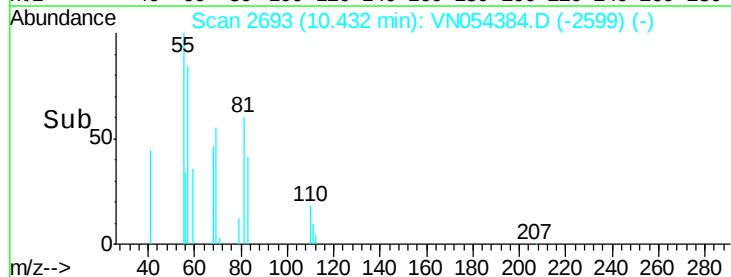
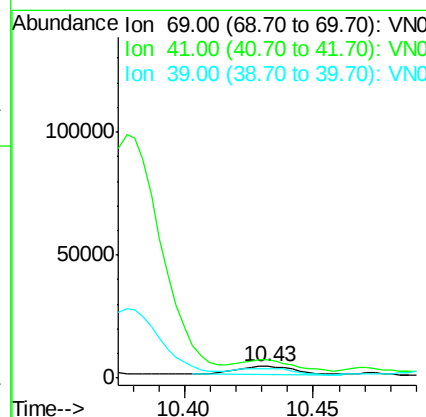
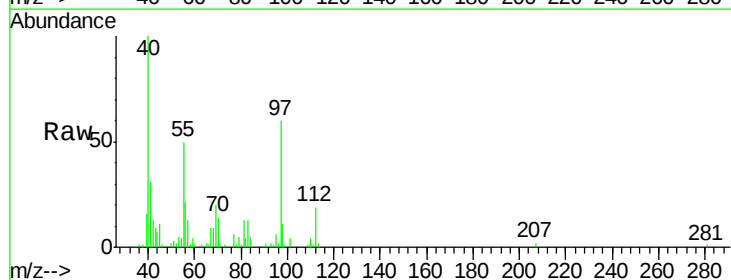
Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW08-GW

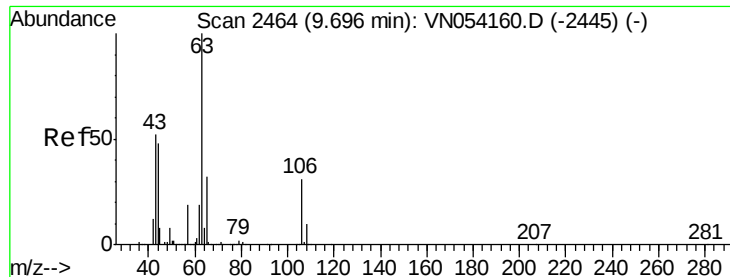
Tot Ion	Ratio	Lower	Upper
97	100		
83	5.7	66.6	100.0#
85	1.2	44.4	66.6#
99	0.0	50.8	76.2#



#56
 Ethyl methacrylate
 Concen: 0.289 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN054384.D
 Acq: 18 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
69	100		
41	107.7	49.4	74.2#
39	0.0	28.3	42.5#





#58

2-Chloroethyl Vinyl ether

Concen: 16.913 ug/l

RT: 9.67 min Scan# 2456

Delta R.T. -0.03 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

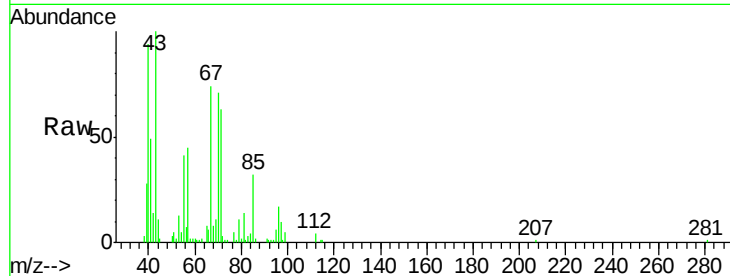
RFK-RMAB-MW08-GW

Tot Ion: 63 Resp: 764

Ion Ratio Lower Upper

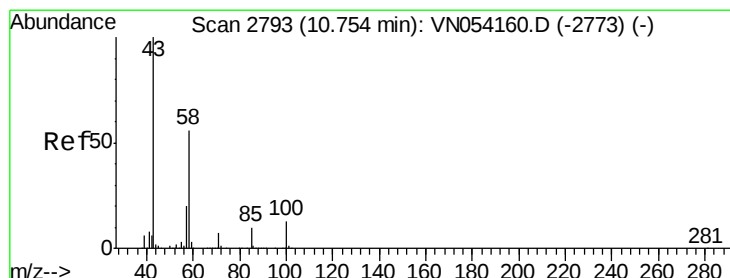
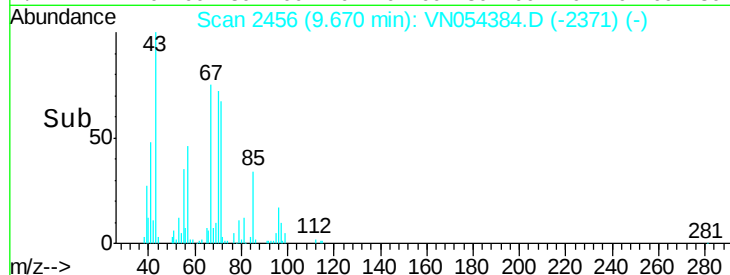
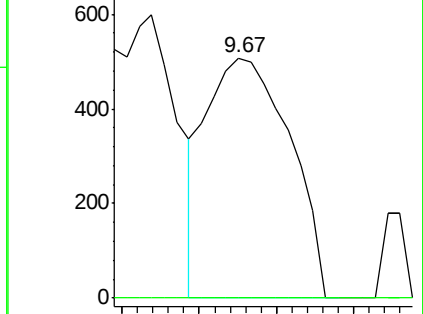
63 100

106 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): VN



#59

2-Hexanone

Concen: 1.779 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN054384.D

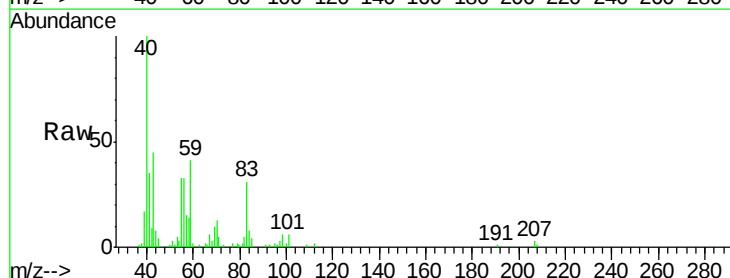
Acq: 18 Mar 2019 10:48

Tgt Ion: 43 Resp: 15452

Ion Ratio Lower Upper

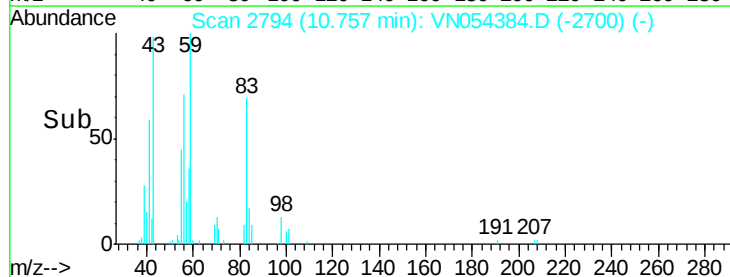
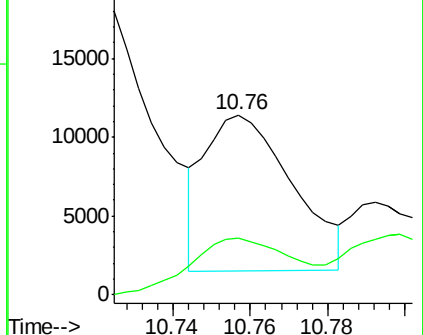
43 100

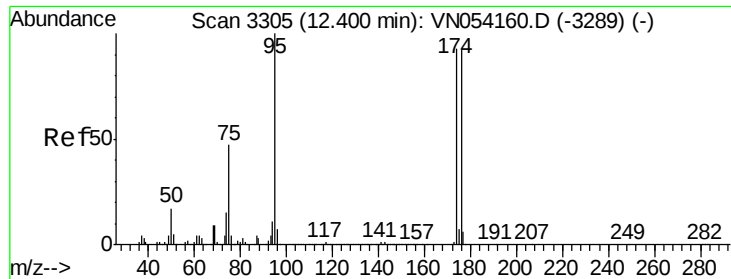
58 42.3 28.0 83.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 49.302 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GW

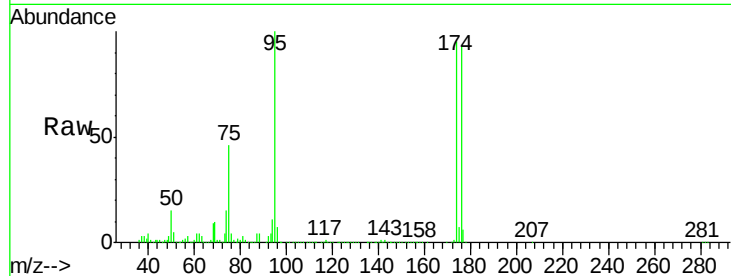
Tot Ion: 95 Resp: 1091463

Ion Ratio Lower Upper

95 100

174 95.5 0.0 191.0

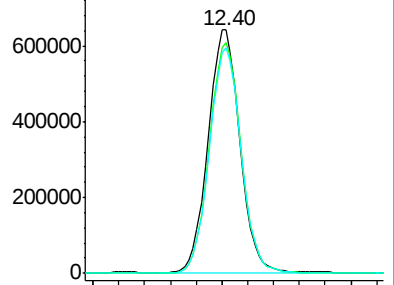
176 93.4 0.0 187.4



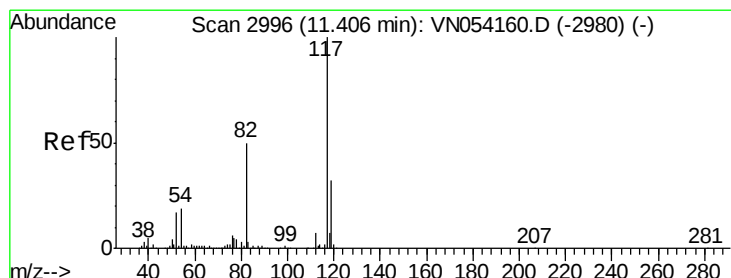
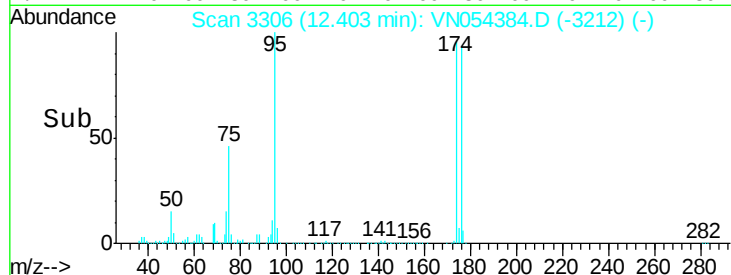
Abundance Ion 94.90 (94.60 to 95.60): VN054160.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN054160.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN054160.D (-3289) (-)



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

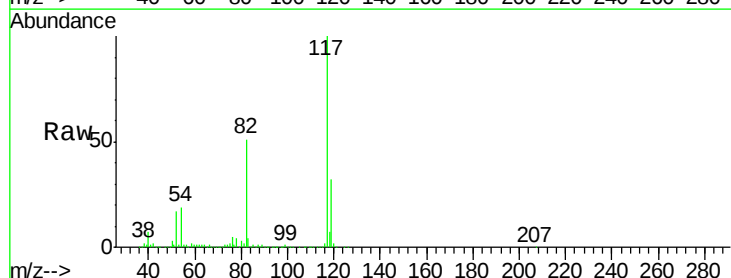
Tgt Ion: 117 Resp: 2363719

Ion Ratio Lower Upper

117 100

82 51.3 40.0 60.0

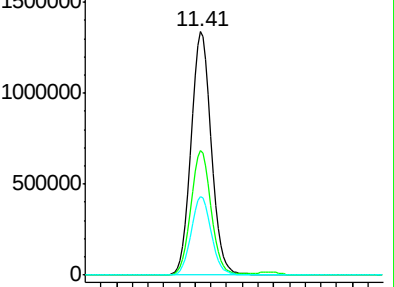
119 32.3 25.8 38.6



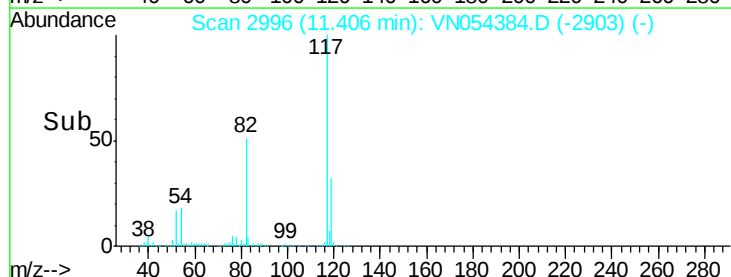
Abundance Ion 116.90 (116.60 to 117.60): VN054160.D (-2980) (-)

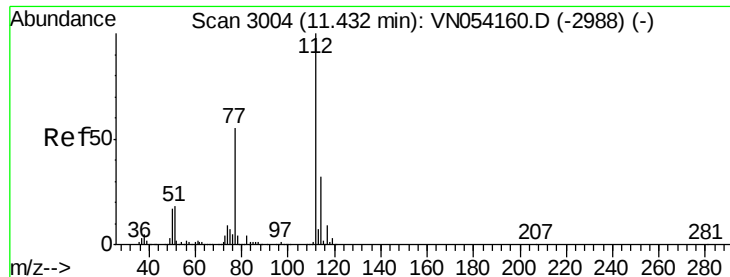
Ion 82.00 (81.70 to 82.70): VN054160.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN054160.D (-2980) (-)



Time-->





#65

Chlorobenzene

Concen: 0.396 ug/l

RT: 11.59 min Scan# 3052

Delta R.T. 0.15 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

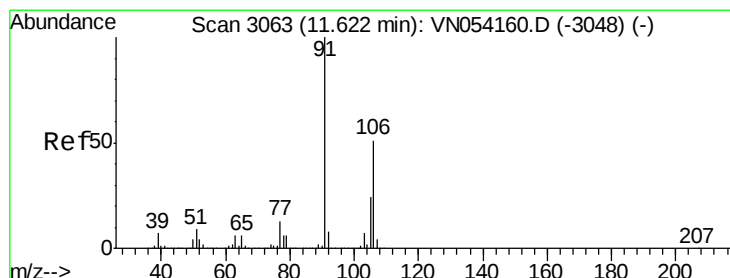
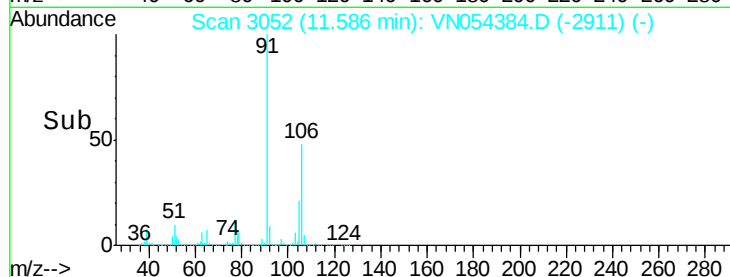
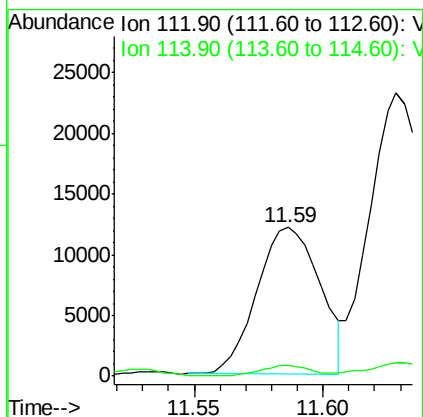
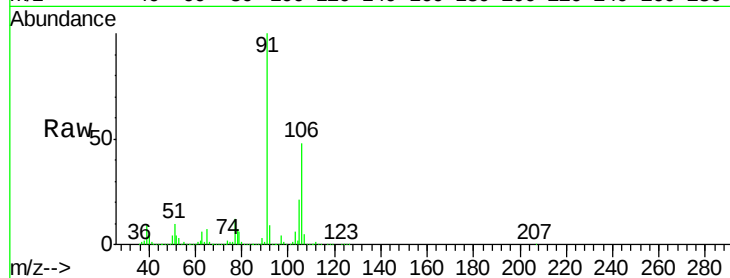
RFK-RMAB-MW08-GW

Tot Ion:112 Resp: 20574

Ion Ratio Lower Upper

112 100

114 7.7 25.9 38.9#



#68

m/p-Xylenes

Concen: 378.571 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.11 min

Lab File: VN054384.D

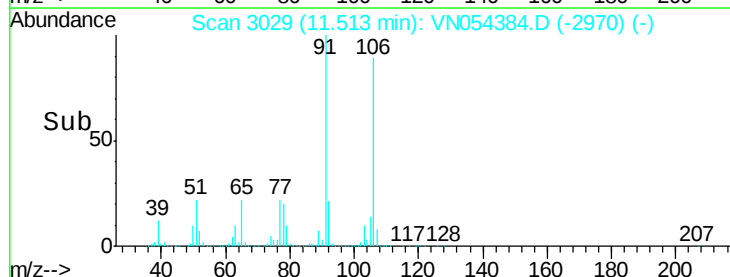
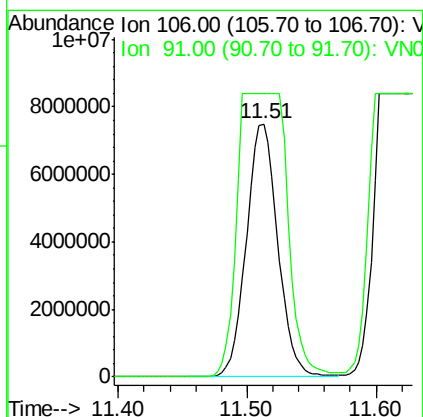
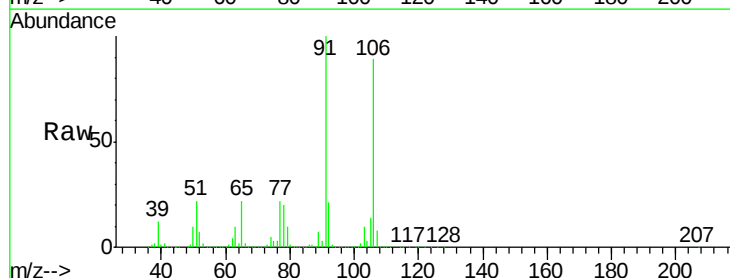
Acq: 18 Mar 2019 10:48

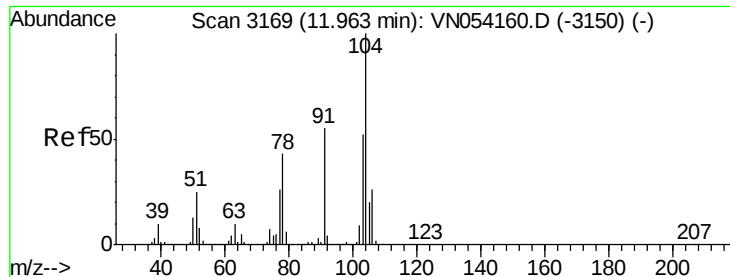
Tgt Ion:106 Resp:12729947

Ion Ratio Lower Upper

106 100

91 0.0 159.4 239.2#





#70

Stvrene

Concen: 34.384 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.01 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GW

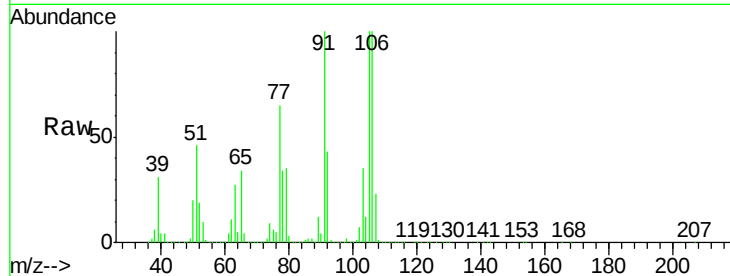
Tot Ion:104 Resp: 1767665

Ion Ratio Lower Upper

104 100

78 276.4 38.2 57.2#

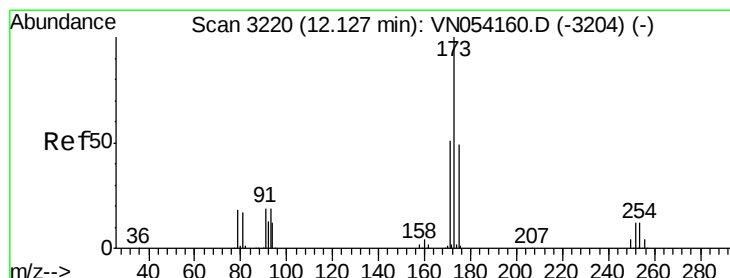
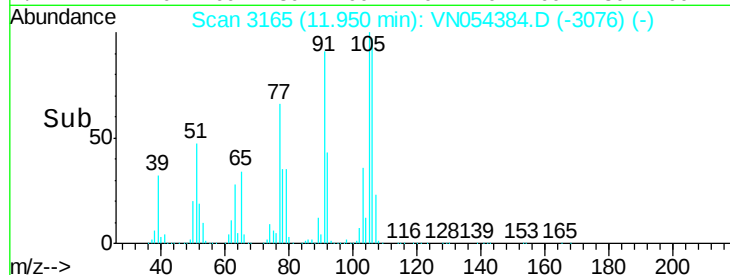
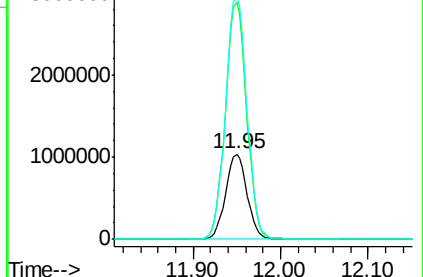
103 284.4 44.4 66.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 2.763 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

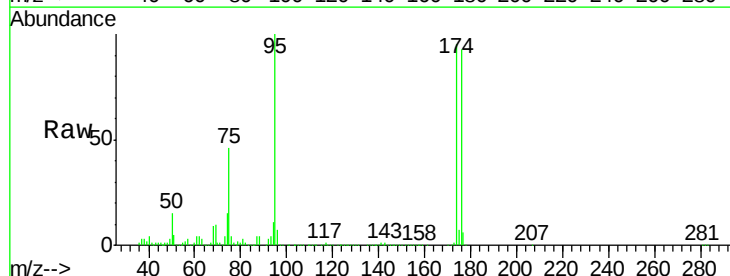
Tgt Ion:173 Resp: 6219

Ion Ratio Lower Upper

173 100

175 1035.9 24.4 73.2#

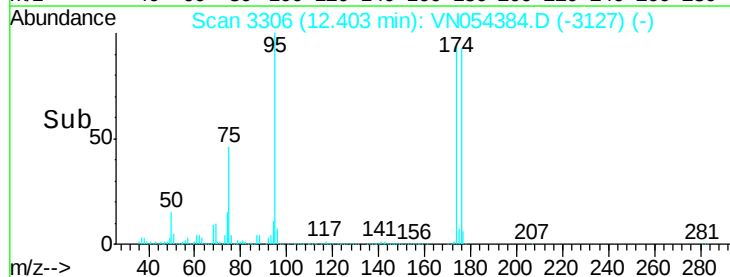
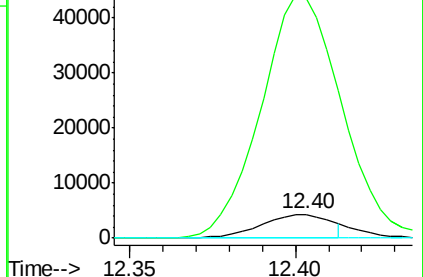
254 0.0 0.1 0.1#

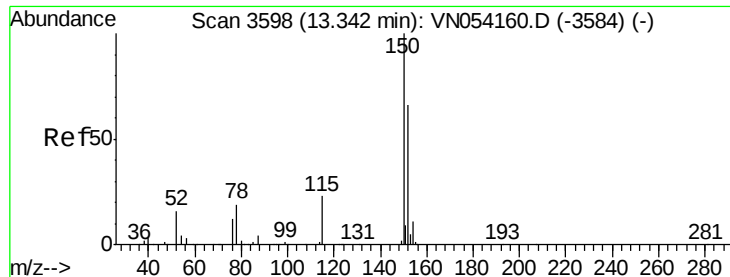


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

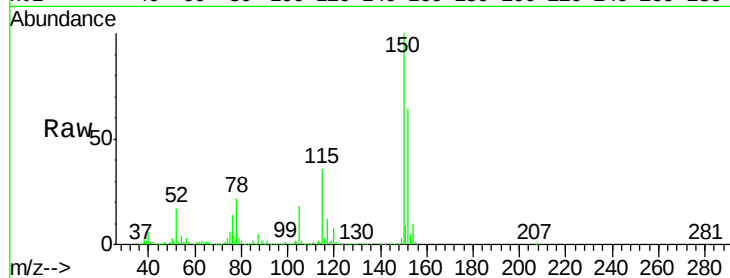
MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GW

Tot Ion:152 Resp: 1136164

Ion	Ratio	Lower	Upper
152	100		
115	46.2	27.2	81.6
150	156.1	0.0	349.2

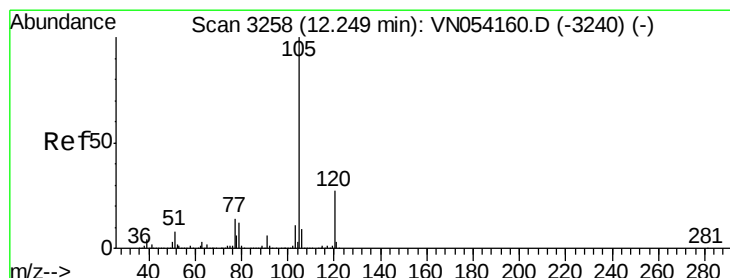
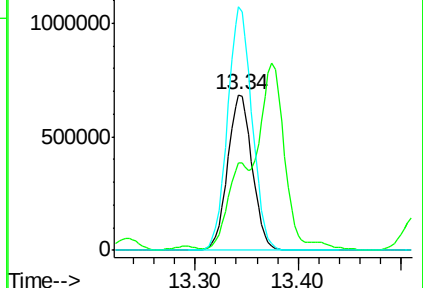
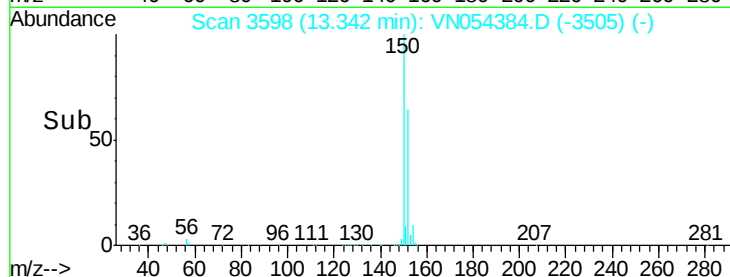


Abundance

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



#73

Isopropylbenzene

Concen: 24.589 ug/l

RT: 12.25 min Scan# 3258

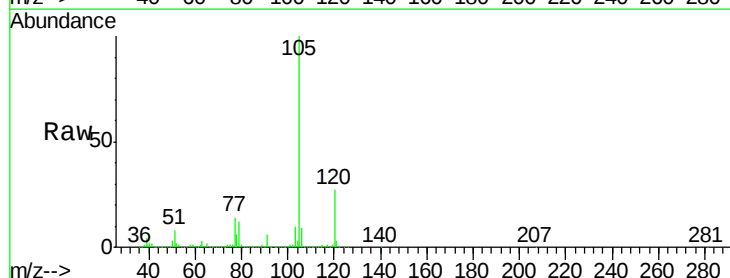
Delta R.T. 0.00 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Tgt Ion:105 Resp: 2235186

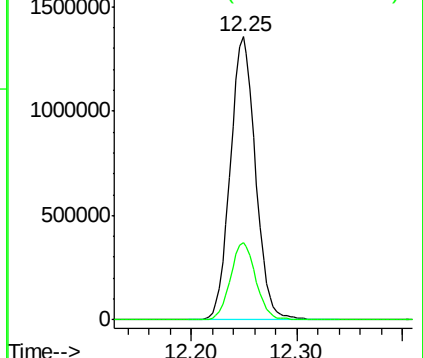
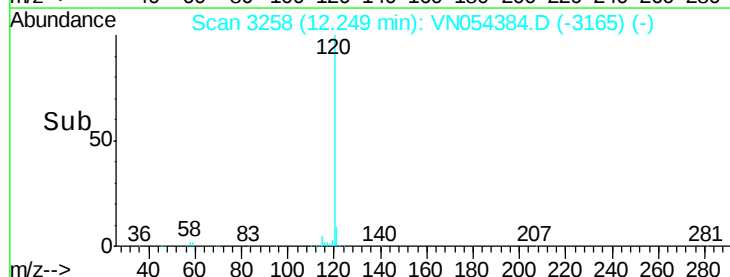
Ion	Ratio	Lower	Upper
105	100		
120	27.6	13.8	41.3

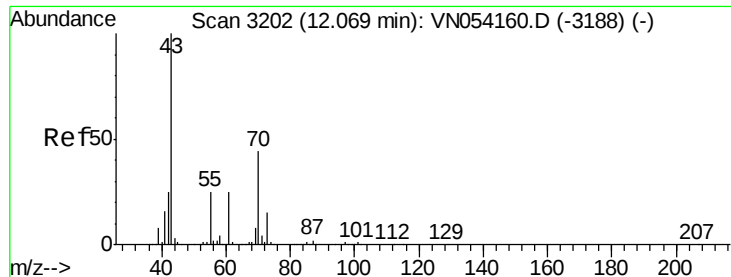


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.540 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GW

Tot Ion: 43 Resp: 10895

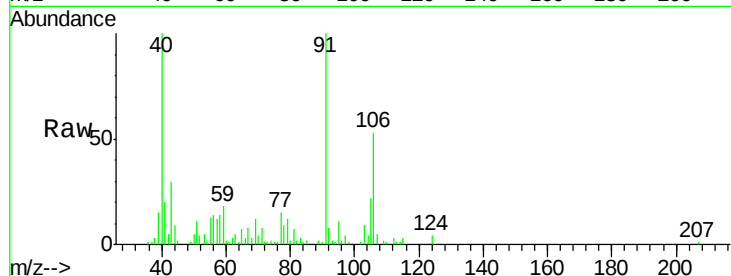
Ion Ratio Lower Upper

43 100

70 10.7 35.4 53.0#

55 31.8 19.8 29.6#

61 0.0 19.8 29.6#

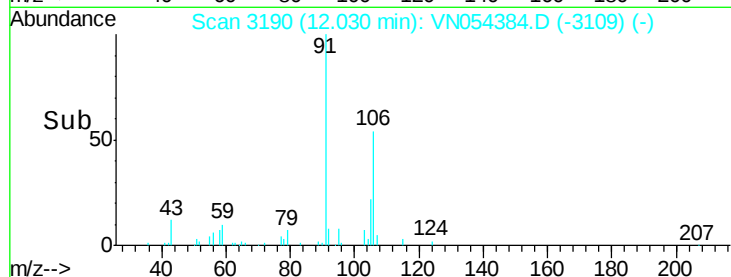


Abundance Ion 43.00 (42.70 to 43.70): VN0

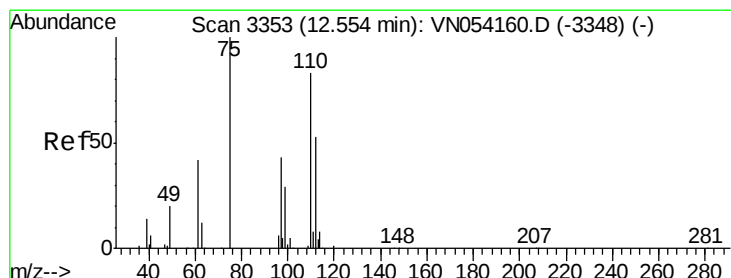
Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



Time--> 11.95 12.00 12.05 12.10



#76

1,2,3-Trichloropropane

Concen: 2.096 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.04 min

Lab File: VN054384.D

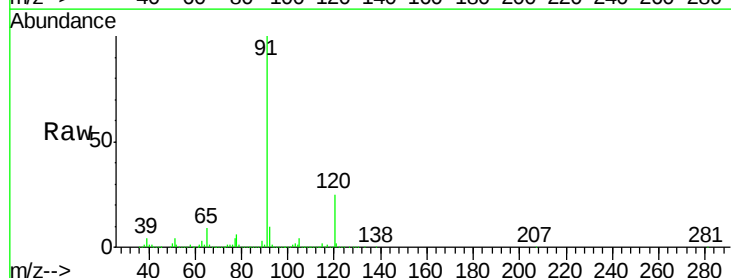
Acq: 18 Mar 2019 10:48

Tgt Ion: 75 Resp: 35023

Ion Ratio Lower Upper

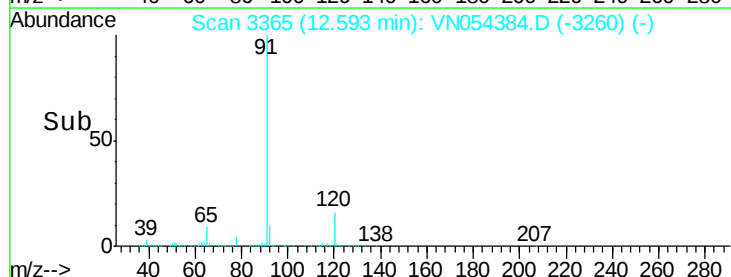
75 100

77 576.8 0.0 0.0#

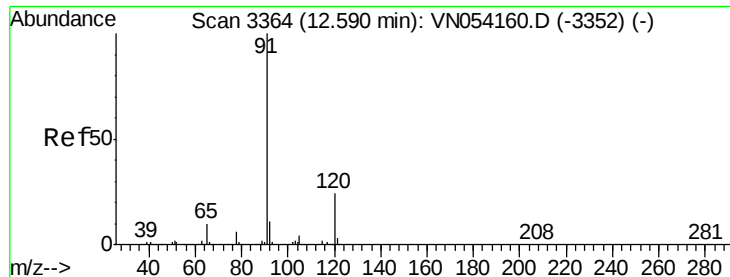


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time--> 12.50 12.60



#78

n-propylbenzene

Concen: 55.167 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

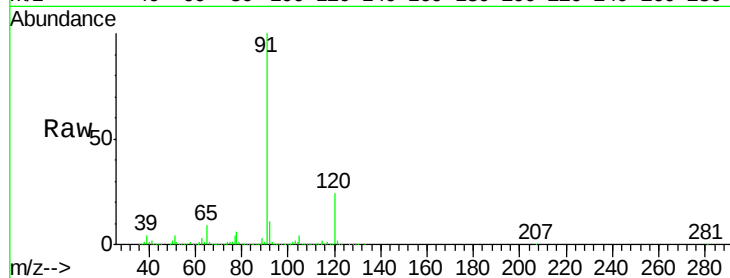
RFK-RMAB-MW08-GW

Tot Ion: 91 Resp: 5441257

Ion Ratio Lower Upper

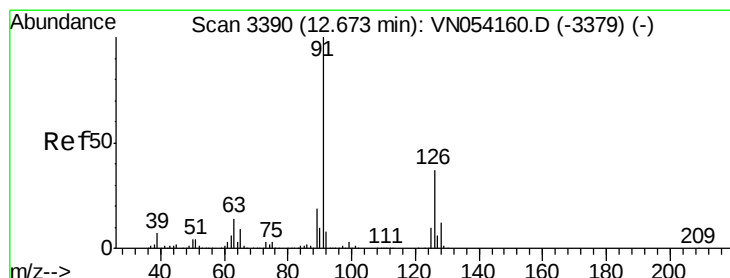
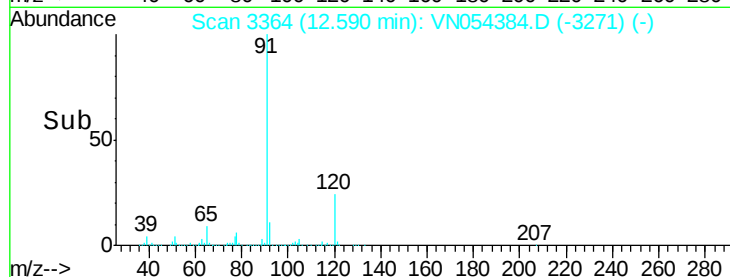
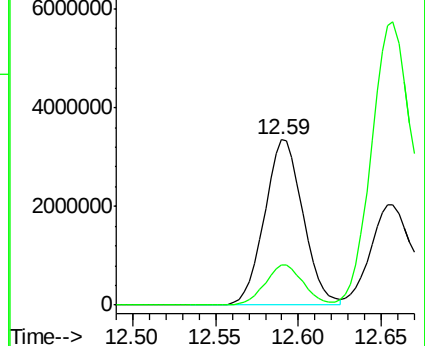
91 100

120 24.2 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 57.263 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN054384.D

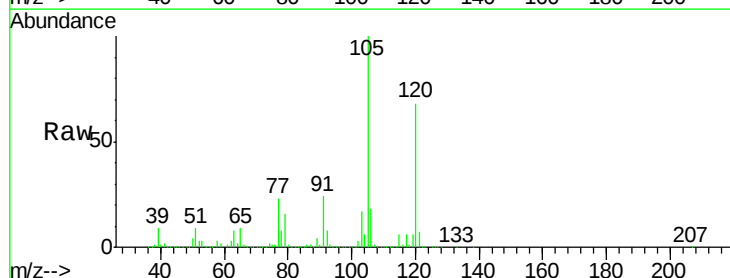
Acq: 18 Mar 2019 10:48

Tgt Ion: 91 Resp: 3395956

Ion Ratio Lower Upper

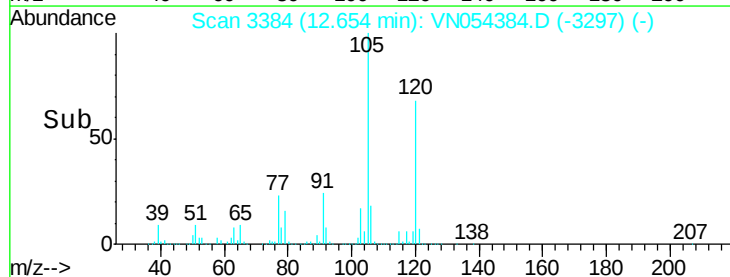
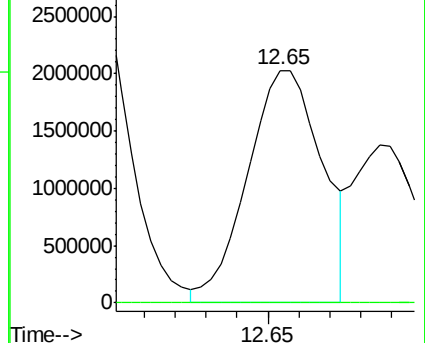
91 100

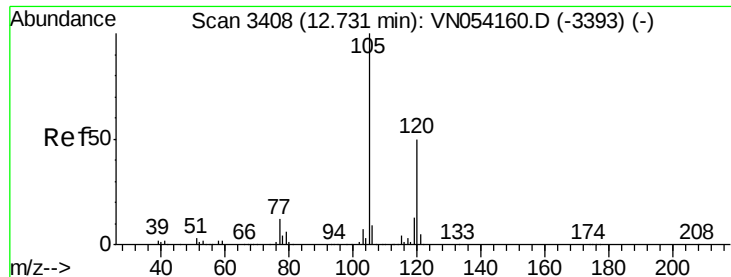
126 0.5 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 190.466 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

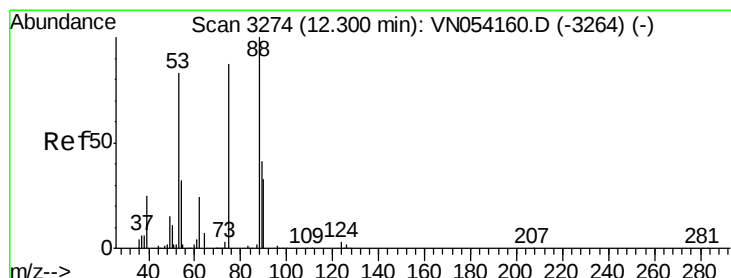
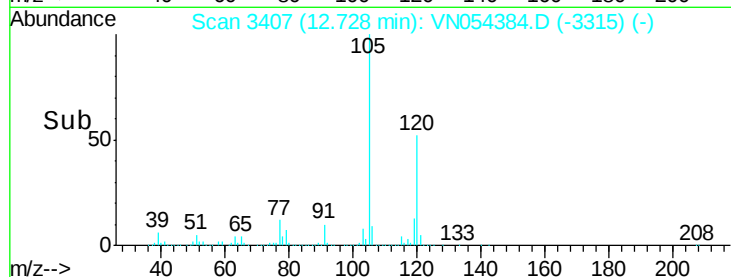
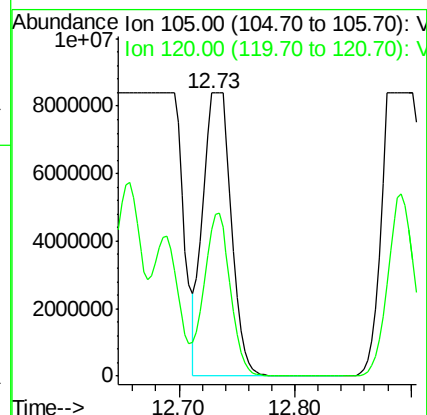
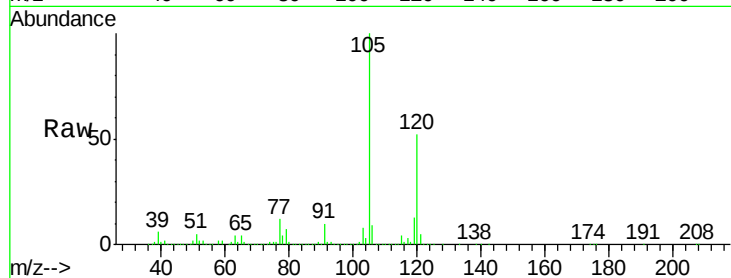
RFK-RMAB-MW08-GW

Tot Ion:105 Resp:14401088

Ion Ratio Lower Upper

105 100

120 53.5 25.0 75.0



#81

trans-1,4-Dichloro-2-butene

Concen: 4.826 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.05 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

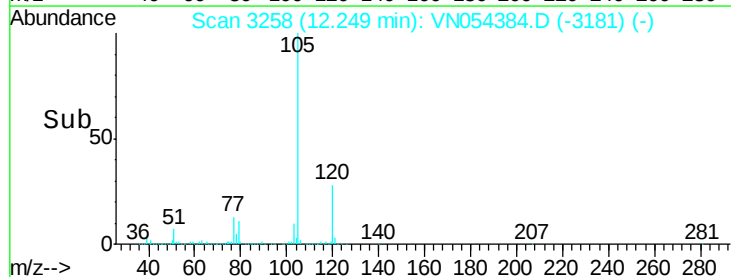
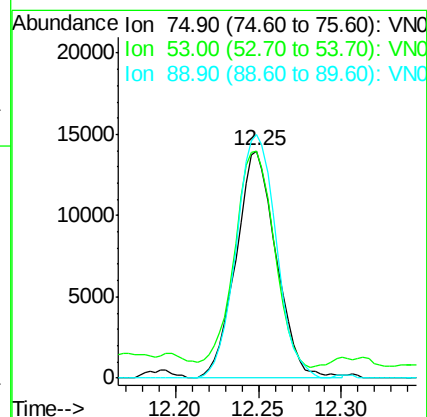
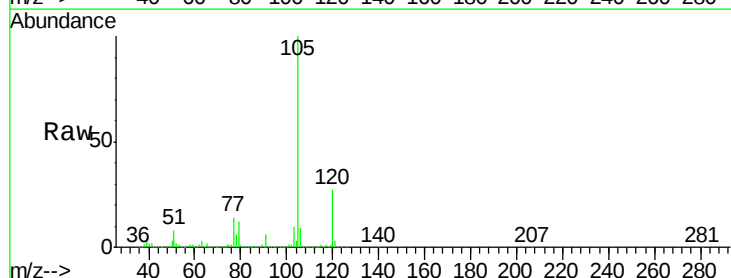
Tgt Ion: 75 Resp: 23585

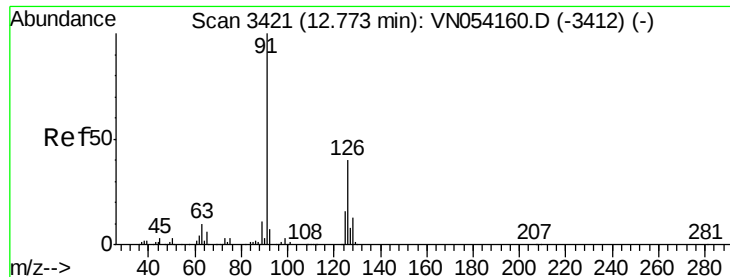
Ion Ratio Lower Upper

75 100

53 92.9 76.2 114.2

89 106.7 39.2 58.8#

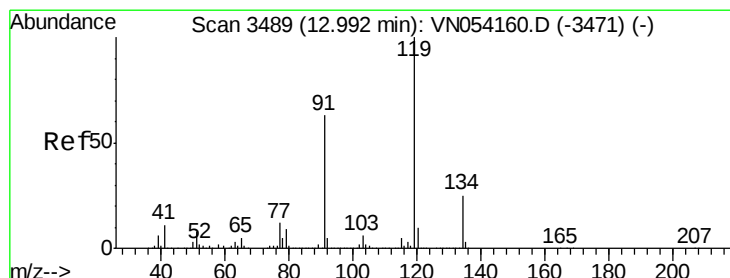
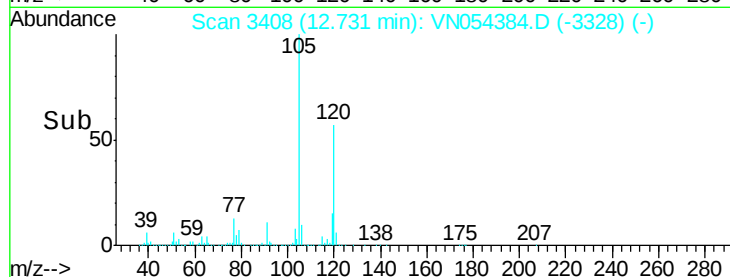
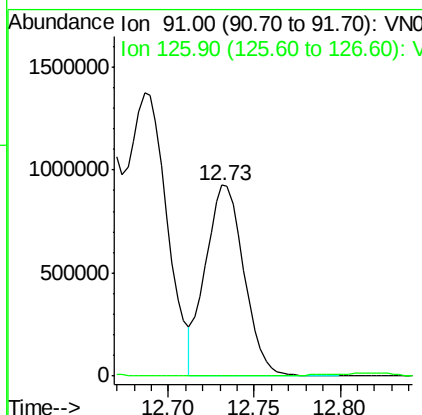
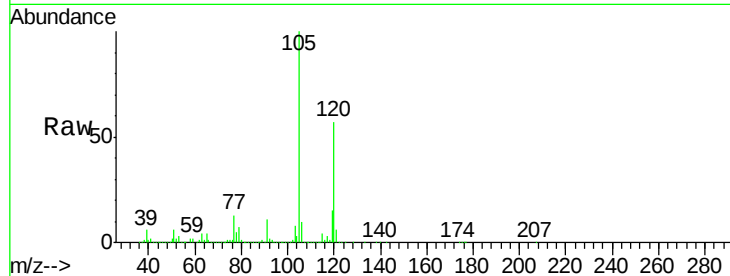




#82
4-Chlorotoluene
Concen: 24.391 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.04 min
Lab File: VN054384.D
Acq: 18 Mar 2019 10:48

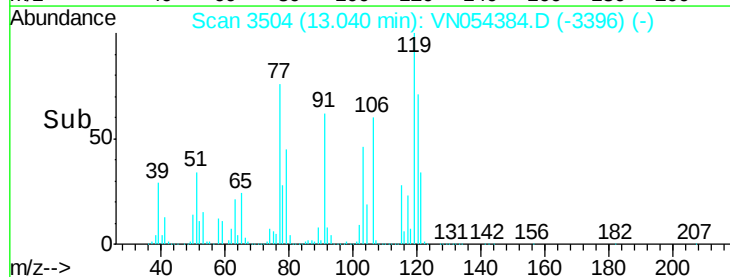
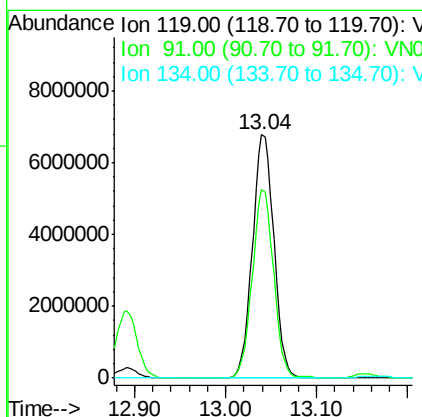
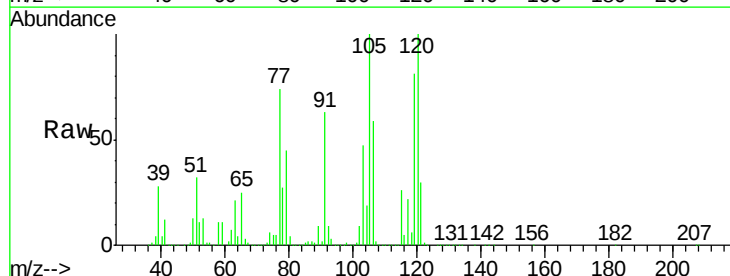
Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW08-GW

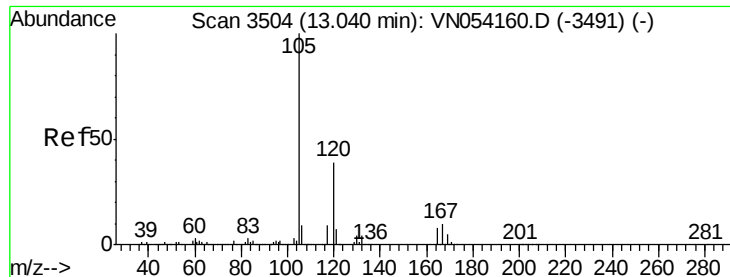
Tot Ion: 91 Resp: 1444375
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#



#83
tert-Butylbenzene
Concen: 159.803 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.05 min
Lab File: VN054384.D
Acq: 18 Mar 2019 10:48

Tgt Ion: 119 Resp: 11121384
Ion Ratio Lower Upper
119 100
91 77.1 30.9 92.8
134 0.0 13.2 39.6#





#84

1,2,4-Trimethylbenzene

Concen: 4.301 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.13 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

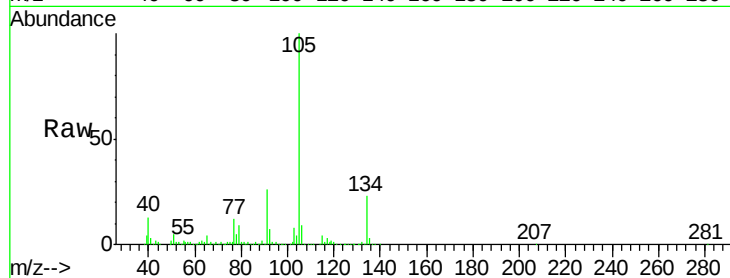
RFK-RMAB-MW08-GW

Tot Ion:105 Resp: 319027

Ion Ratio Lower Upper

105 100

120 0.0 23.4 70.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.17

200000

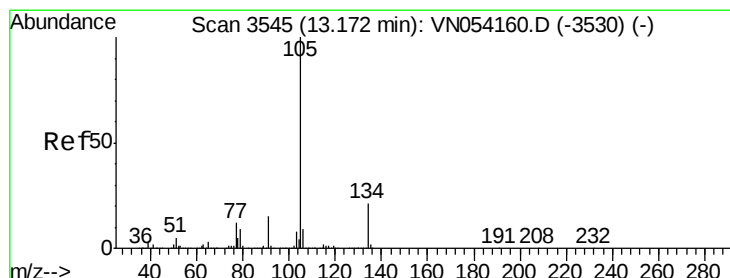
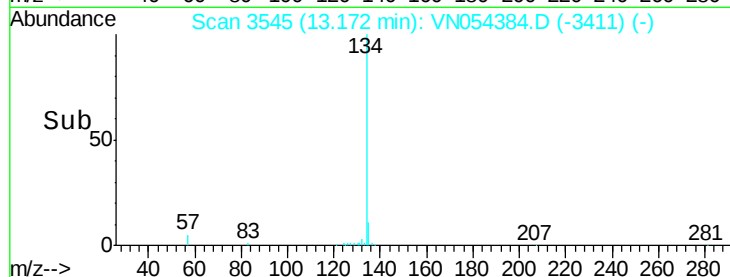
150000

100000

50000

0

Time--> 13.10 13.15 13.20



#85

sec-Butylbenzene

Concen: 3.535 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054384.D

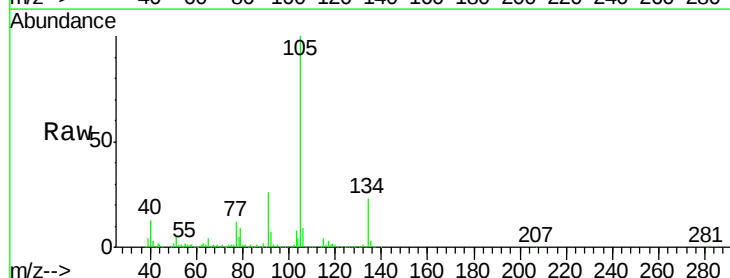
Acq: 18 Mar 2019 10:48

Tgt Ion:105 Resp: 319027

Ion Ratio Lower Upper

105 100

134 37.8 10.7 32.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

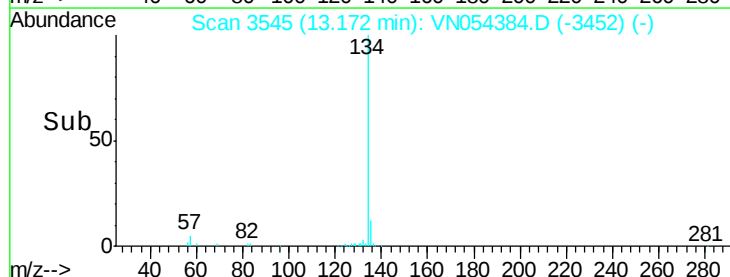
150000

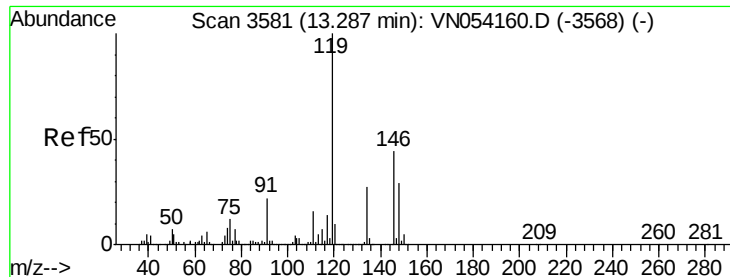
100000

50000

0

Time--> 13.10 13.15 13.20

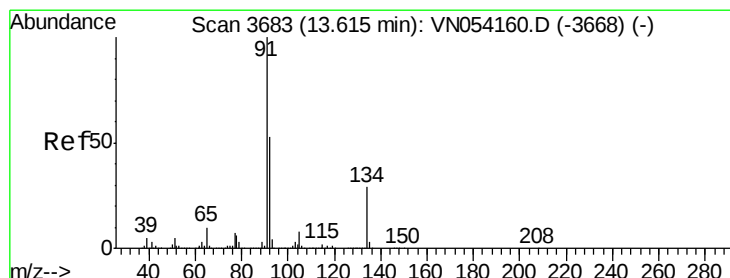
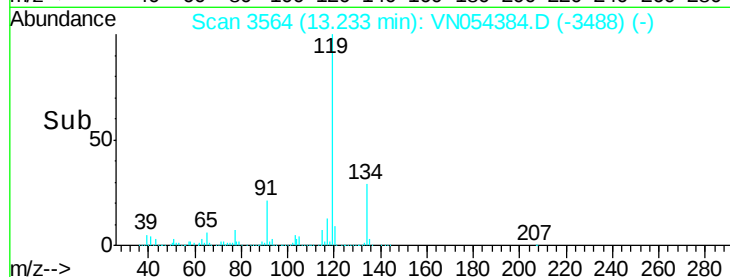
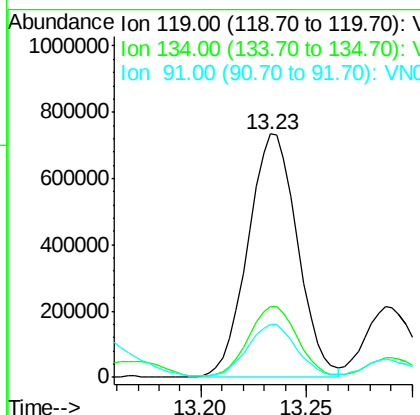
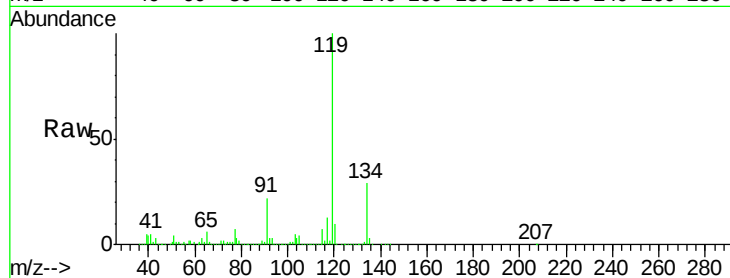




#86
p-Isopropyltoluene
Concen: 15.067 ug/l
RT: 13.23 min Scan# 3564
Delta R.T. -0.05 min
Lab File: VN054384.D
Acq: 18 Mar 2019 10:48

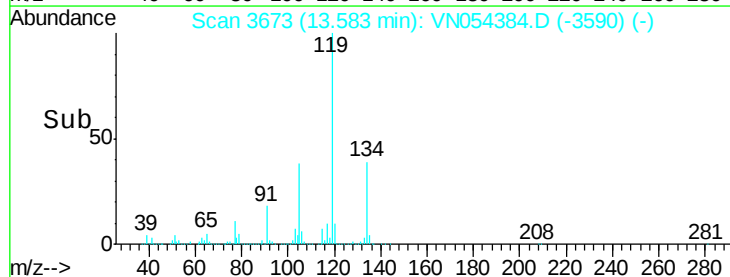
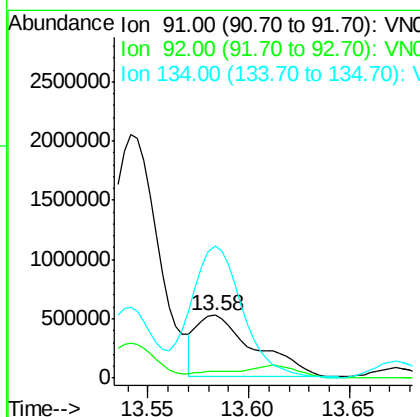
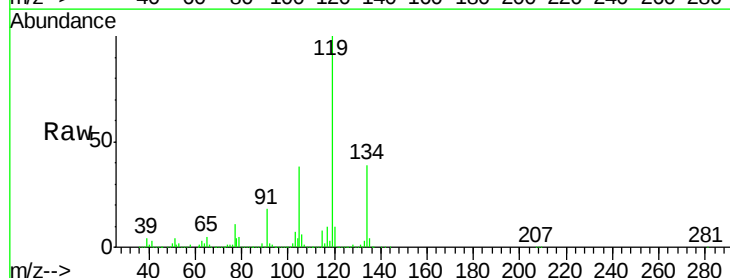
Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW08-GW

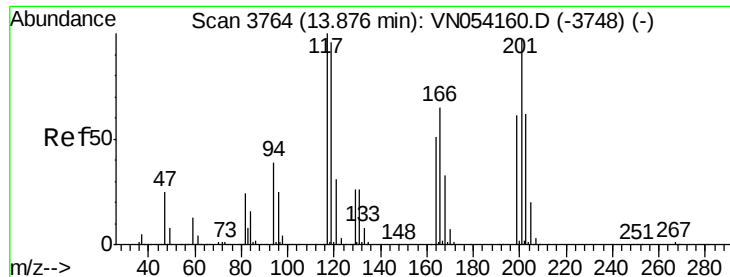
Tot Ion:119 Resp: 1192971
Ion Ratio Lower Upper
119 100
134 29.2 13.6 40.8
91 0.0 11.1 33.3#



#89
n-Butylbenzene
Concen: 17.389 ug/l
RT: 13.58 min Scan# 3673
Delta R.T. -0.03 min
Lab File: VN054384.D
Acq: 18 Mar 2019 10:48

Tgt Ion: 91 Resp: 1046153
Ion Ratio Lower Upper
91 100
92 5.8 26.2 78.6#
134 185.6 14.3 42.9#





#90

Hexachloroethane

Concen: 58.502 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

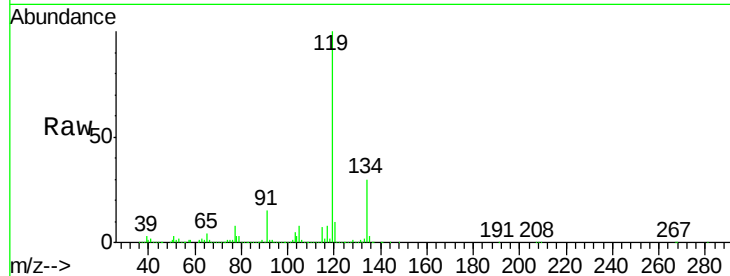
RFK-RMAB-MW08-GW

Tot Ion:117 Resp: 767013

Ion Ratio Lower Upper

117 100

201 0.0 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

800000

600000

400000

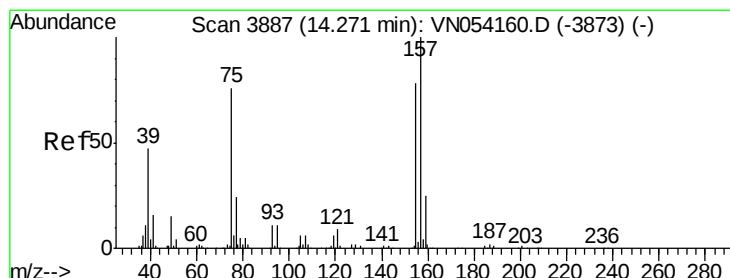
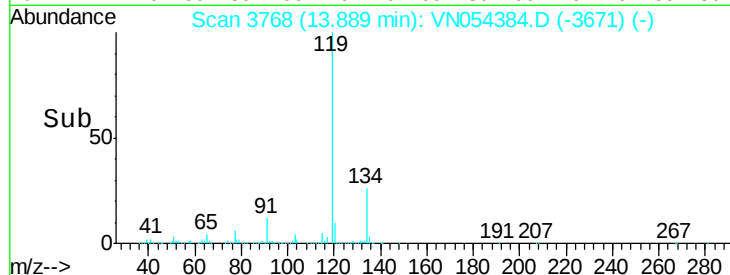
200000

0

13.85

13.90

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 13.498 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.03 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

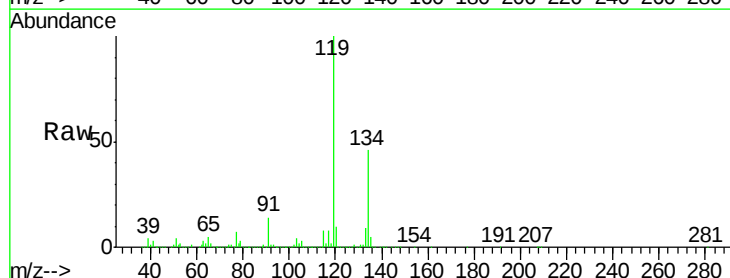
Tgt Ion: 75 Resp: 40451

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

157 0.0 63.1 189.3#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

30000

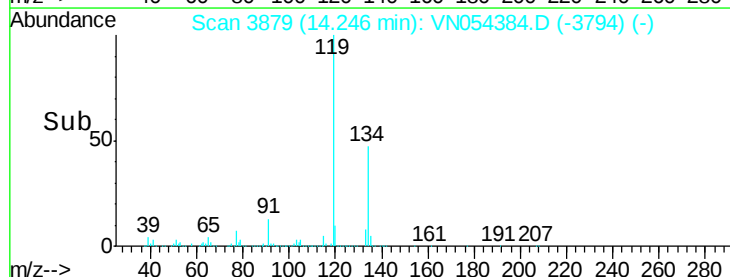
20000

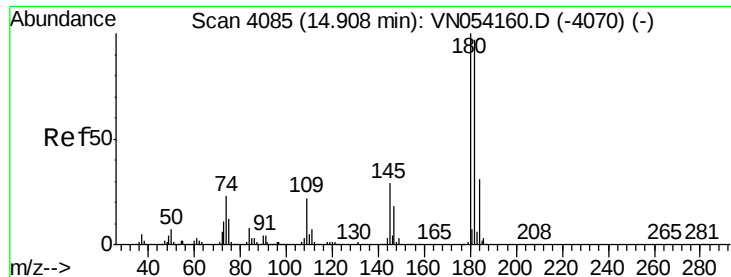
10000

0

14.25

Time-->

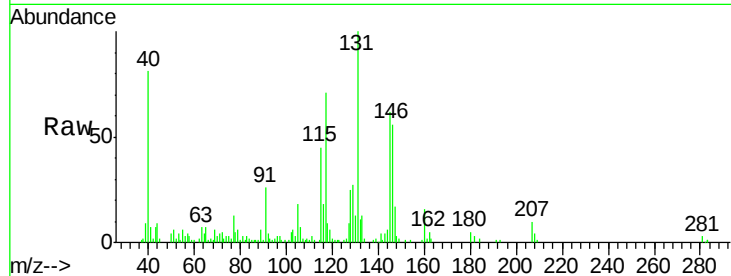




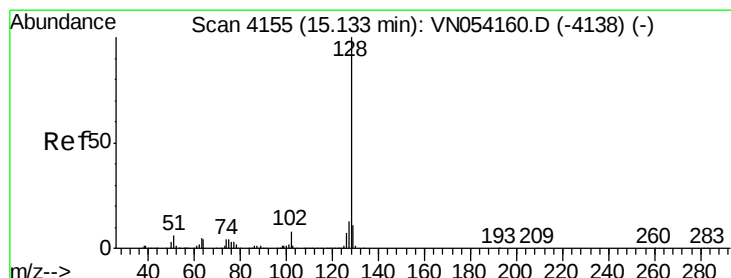
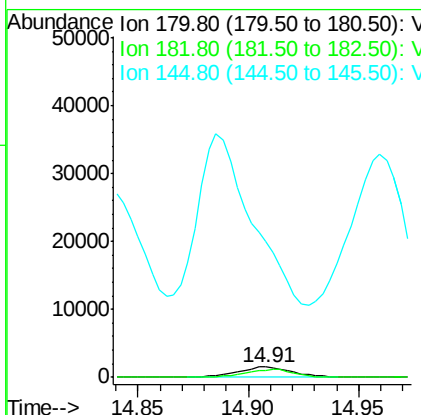
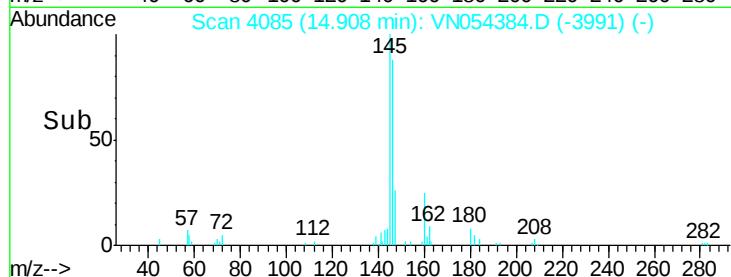
#93
 1,2,4-Trichlorobenzene
 Concen: 2.617 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054384.D
 Acq: 18 Mar 2019 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW08-GW

Tot Ion:180 Resp: 2523
 Ion Ratio Lower Upper
 180 100
 182 67.1 48.0 144.2
 145 0.0 14.2 42.8#

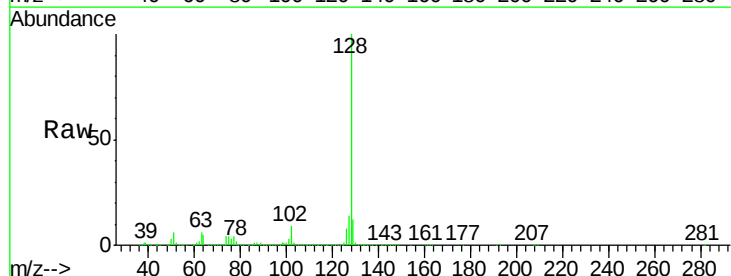


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 316.698 ug/l
 RT: 15.13 min Scan# 4153
 Delta R.T. -0.01 min
 Lab File: VN054384.D
 Acq: 18 Mar 2019 10:48

Tgt Ion:128 Resp:16772844
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.1 15.1
 129 11.5 8.7 13.1



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

