

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031519\
 Data File : VN054312.D
 Acq On : 15 Mar 2019 16:25
 Operator : JC/SP
 Sample : K1894-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW06-GW

Quant Time: Mar 16 03:21:08 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	7.67	168	1362398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2223701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2349416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1057284	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	708809	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
35) Dibromofluoromethane	7.59	113	685208	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
50) Toluene-d8	10.09	98	2785325	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.40	95	1070119	57.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.48%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	3279	0.261	ug/l	94
10) Methyl Iodide	3.93	142	700	1.530	ug/l #	40
11) Tert butyl alcohol	4.82	59	373	0.376	ug/l #	70
13) Acrolein	3.62	56	566	0.602	ug/l #	14
14) Allyl chloride	4.52	41	111880	6.161	ug/l #	54
16) Acetone	3.79	43	49282	11.896	ug/l #	47
17) Carbon Disulfide	4.03	76	8019	0.226	ug/l #	76
18) Methyl Acetate	4.52	43	267890	31.962	ug/l #	49
19) Methyl tert-butyl Ether	5.06	73	70096	1.998	ug/l #	1
25) 2-Butanone	6.81	43	11984	2.465	ug/l #	46
30) Chloroform	7.32	83	14831	0.611	ug/l #	17
31) Cyclohexane	7.65	56	137438	5.217	ug/l #	93
36) 1,1-Dichloropropene	7.67	75	74318	3.629	ug/l #	49
38) Carbon Tetrachloride	7.67	117	108615	5.058	ug/l #	16
39) Methylcyclohexane	9.08	83	105383	4.183	ug/l #	87
40) Benzene	8.04	78	1065878	18.189	ug/l	100
41) Methacrylonitrile	7.19	41	2599	0.387	ug/l #	30
43) Isopropyl Acetate	8.14	43	41628	2.016	ug/l #	60
47) Bromodichloromethane	9.38	83	10458	0.531	ug/l #	31
48) Methyl methacrylate	9.22	41	33261	3.173	ug/l #	29
49) 1,4-Dioxane	9.20	88	117	0.789	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	21255	1.945	ug/l	92
52) Toluene	10.16	92	19361	0.521	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	470	2.006	ug/l #	61
55) 1,1,2-Trichloroethane	10.53	97	45424	3.348	ug/l #	21
56) Ethyl methacrylate	10.43	69	3724	0.230	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.65	63	3277	17.263	ug/l #	44
59) 2-Hexanone	10.76	43	4683	0.644	ug/l	97
67) Ethyl Benzene	11.51	91	58378	0.683	ug/l	98
68) m/p-Xylenes	11.62	106	45349	1.357	ug/l	94
69) o-Xylene	11.95	106	13171	0.404	ug/l	90
71) Bromoform	12.40	173	6011	2.752	ug/l #	1
73) Isopropylbenzene	12.25	105	2514059	29.721	ug/l	100
76) 1,2,3-Trichloropropane	12.40	75	507895	32.667	ug/l #	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

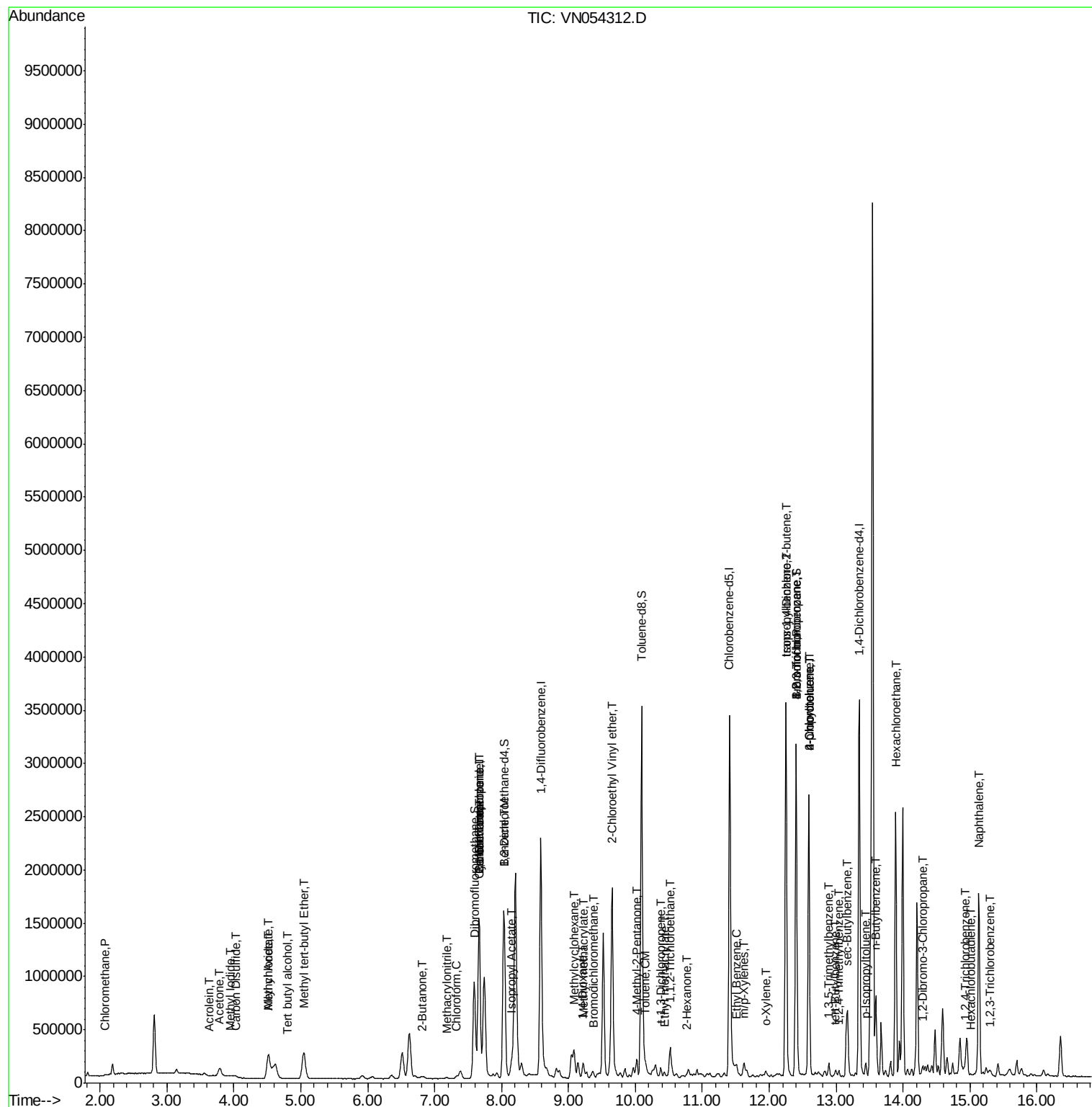
78) n-propylbenzene	12.59	91	2223467	24.225	ug/l	100
79) 2-Chlorotoluene	12.59	91	2223467	40.289	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.89	105	86147	1.224	ug/l	73
81) trans-1,4-Dichloro-2-buten	12.25	75	25327	5.569	ug/l #	64
82) 4-Chlorotoluene	12.59	91	2223467	40.349	ug/l #	39
83) tert-Butylbenzene	12.99	119	28865	0.446	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	35075	0.508	ug/l	97
85) sec-Butylbenzene	13.17	105	378492	4.506	ug/l #	59
86) p-Isopropyltoluene	13.44	119	74132	1.006	ug/l #	77
89) n-Butylbenzene	13.59	91	128366	2.293	ug/l #	1
90) Hexachloroethane	13.89	117	137013	11.230	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1155	0.414	ug/l #	9
93) 1,2,4-Trichlorobenzene	14.91	180	10466	2.963	ug/l #	29
94) Hexachlorobutadiene	15.01	225	2889	0.206	ug/l	86
95) Naphthalene	15.13	128	1589783	35.373	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	11723	0.598	ug/l #	83

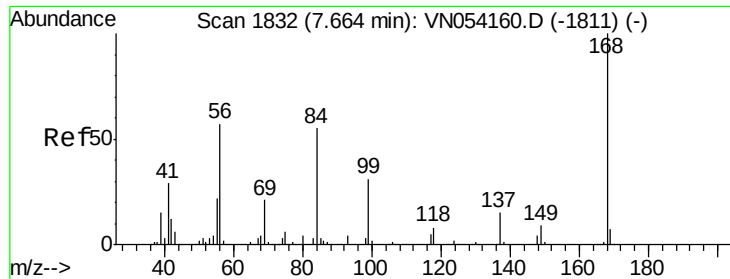
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

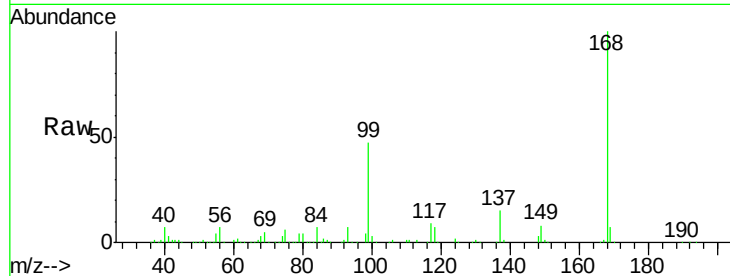
RFK-RMAB-MW06-GW

Tot Ion:168 Resp: 1362398

Ion Ratio Lower Upper

168 100

99 46.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

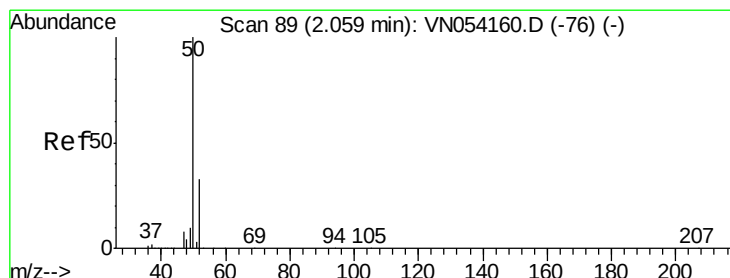
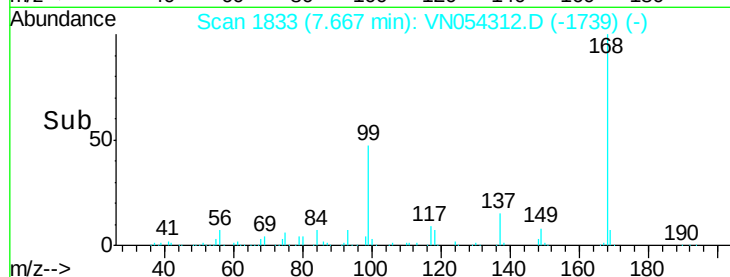
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#3

Chloromethane

Concen: 0.261 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054312.D

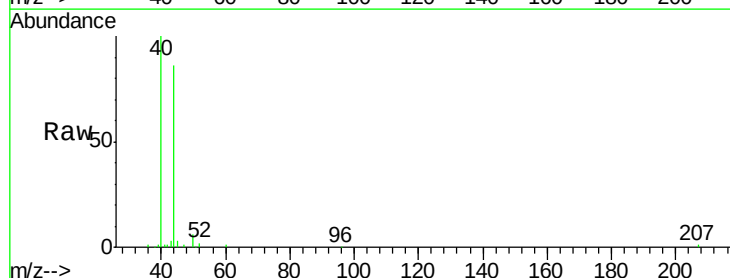
Acq: 15 Mar 2019 16:25

Tgt Ion: 50 Resp: 3279

Ion Ratio Lower Upper

50 100

52 29.5 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

2500

2000

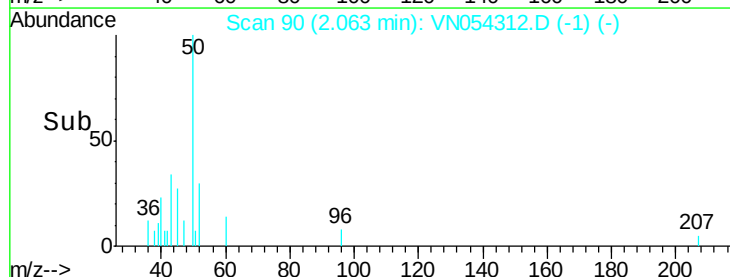
1500

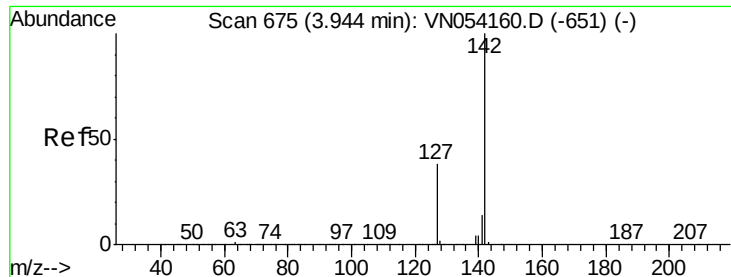
1000

500

0

Time--> 2.05 2.10

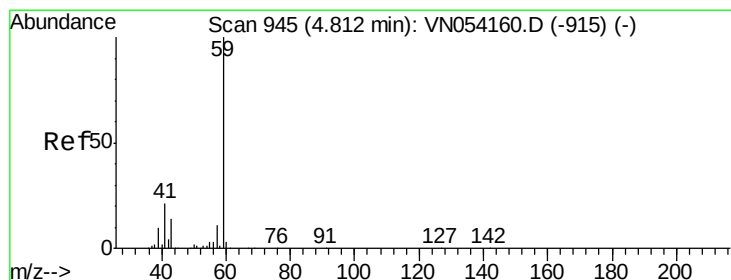
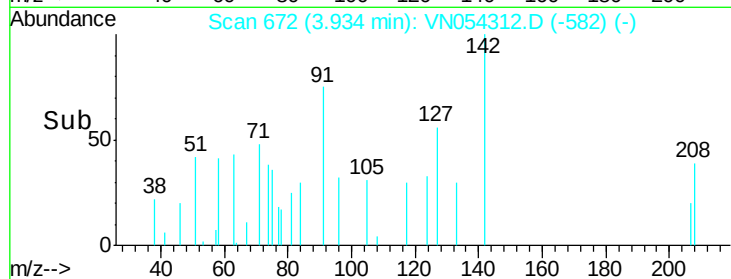
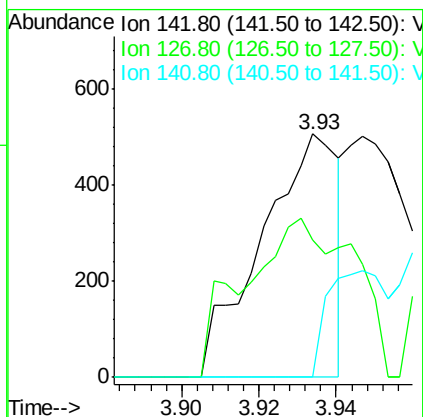
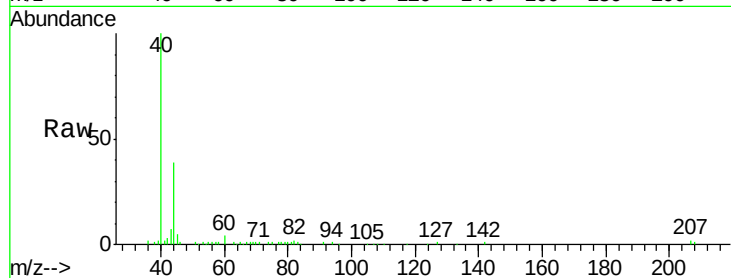




#10
Methvl Iodide
Concen: 1.530 ug/l
RT: 3.93 min Scan# 672
Delta R.T. -0.01 min
Lab File: VN054312.D
Acq: 15 Mar 2019 16:25

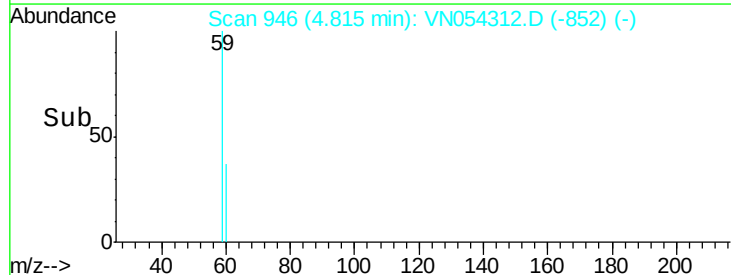
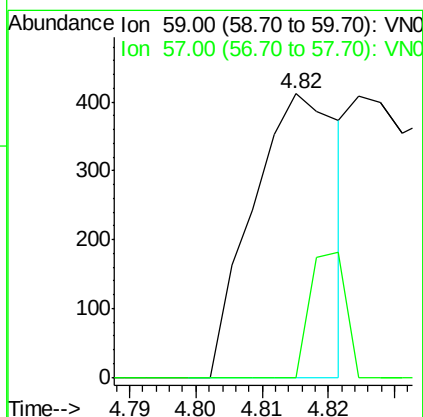
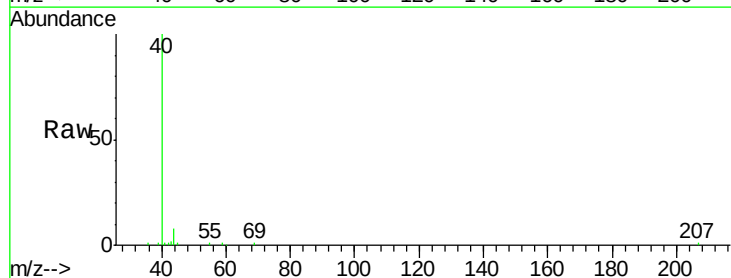
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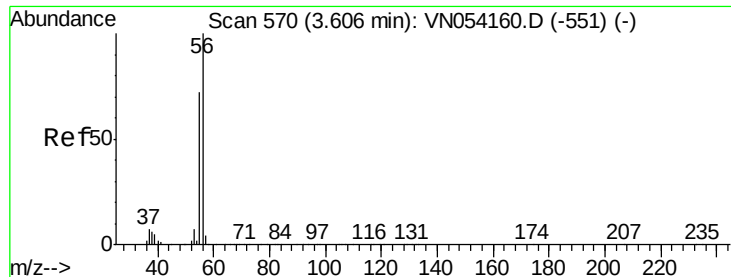
Tot Ion:142 Resp: 700
Ion Ratio Lower Upper
142 100
127 77.4 30.3 45.5#
141 32.7 11.2 16.8#



#11
Tert butyl alcohol
Concen: 0.376 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN054312.D
Acq: 15 Mar 2019 16:25

Tgt Ion: 59 Resp: 373
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#





#13

Acrolein

Concen: 0.602 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

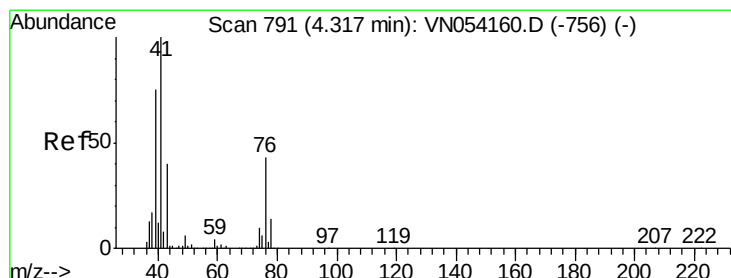
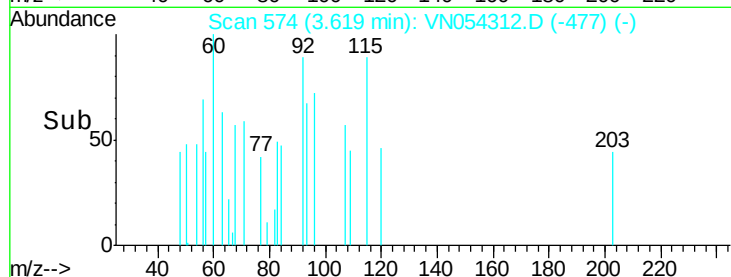
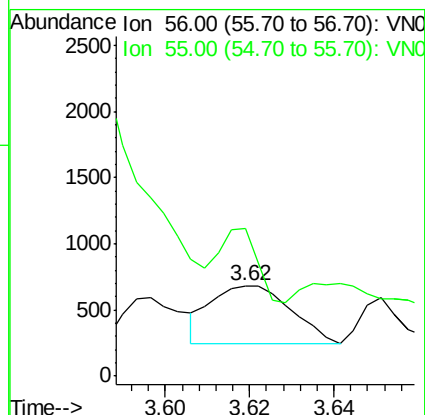
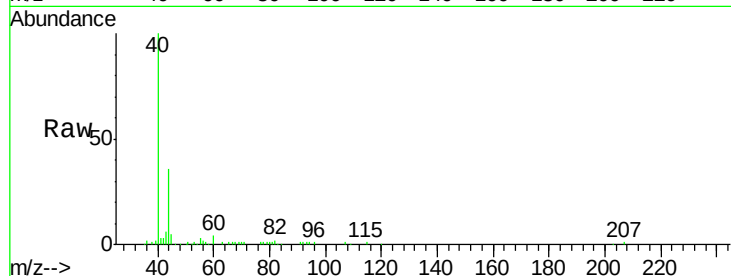
RFK-RMAB-MW06-GW

Tot Ion: 56 Resp: 566

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



#14

Allyl chloride

Concen: 6.161 ug/l

RT: 4.52 min Scan# 854

Delta R.T. 0.20 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

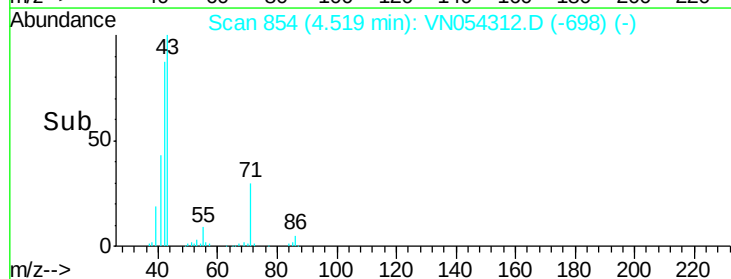
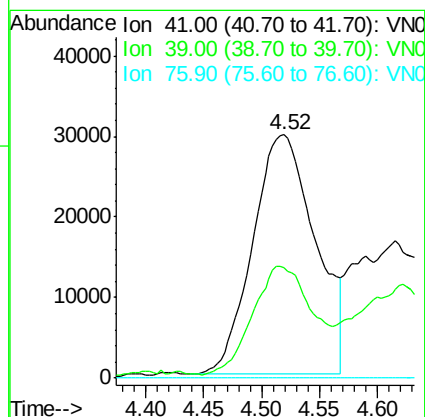
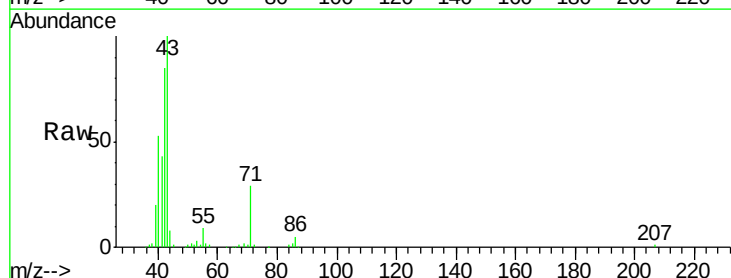
Tgt Ion: 41 Resp: 111880

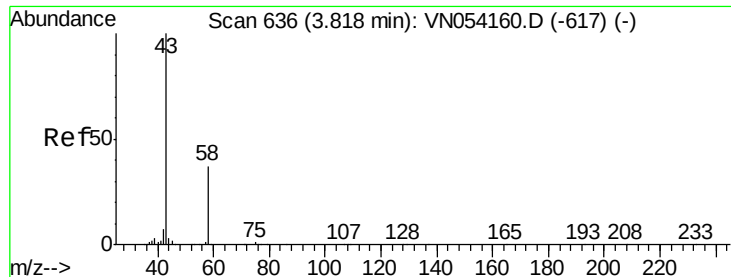
Ion Ratio Lower Upper

41 100

39 43.0 58.2 87.4#

76 0.0 31.7 47.5#





#16

Acetone

Concen: 11.896 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.03 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

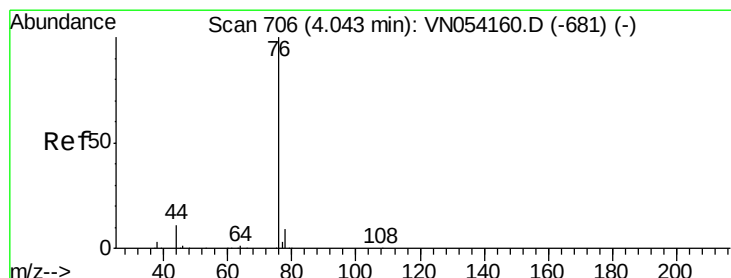
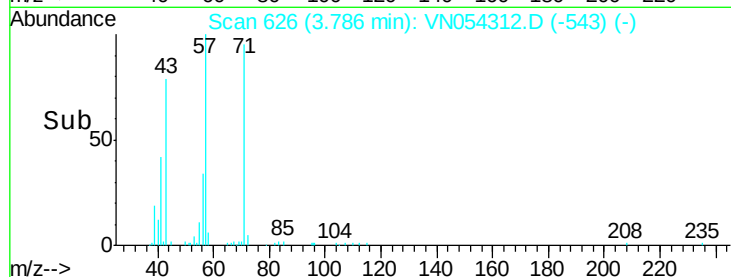
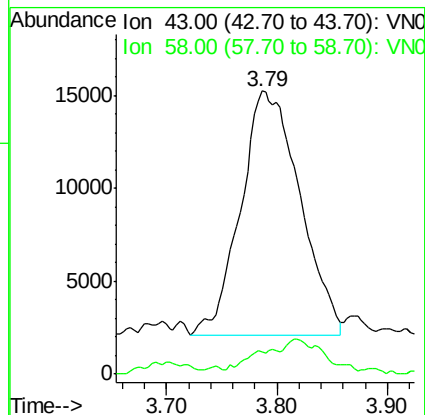
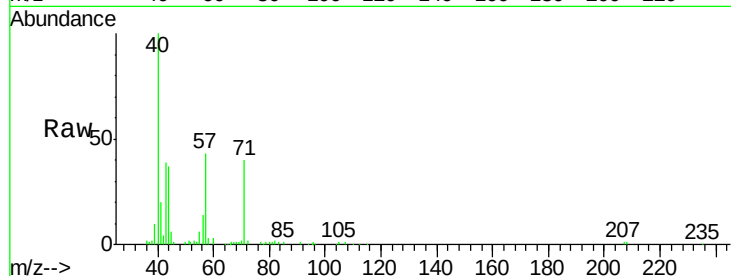
RFK-RMAB-MW06-GW

Tot Ion: 43 Resp: 49282

Ion Ratio Lower Upper

43 100

58 5.8 29.9 44.9#



#17

Carbon Disulfide

Concen: 0.226 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.01 min

Lab File: VN054312.D

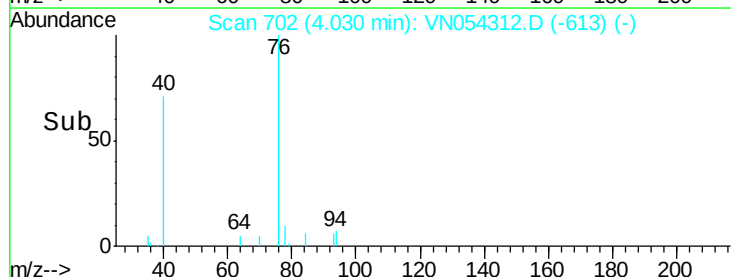
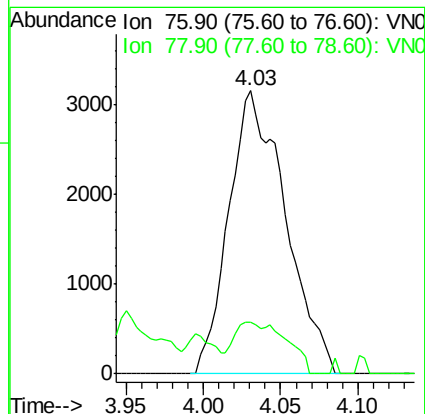
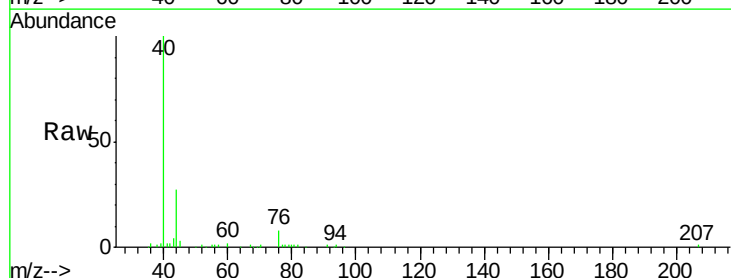
Acq: 15 Mar 2019 16:25

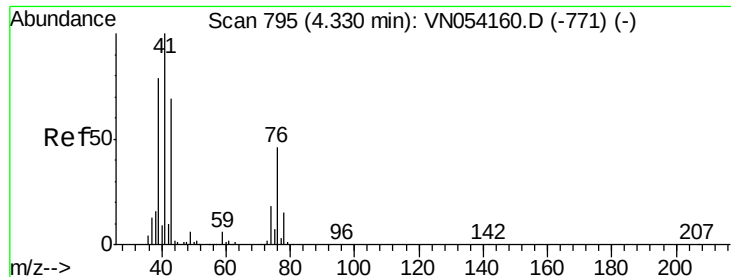
Tgt Ion: 76 Resp: 8019

Ion Ratio Lower Upper

76 100

78 18.2 7.5 11.3#

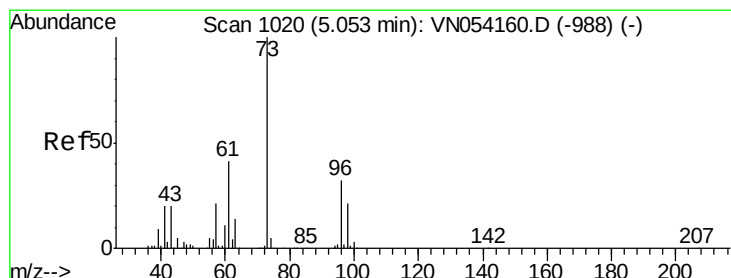
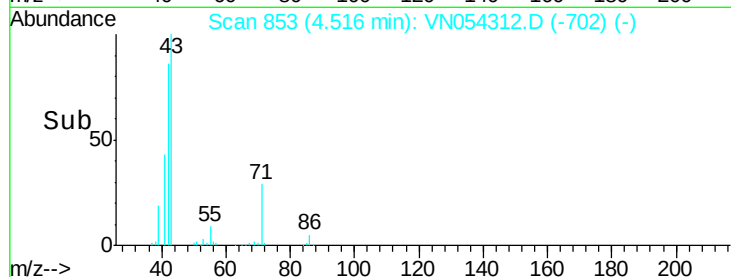
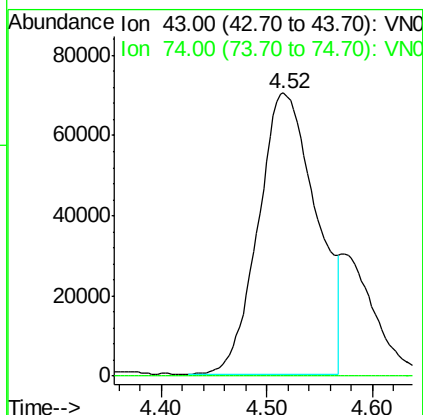
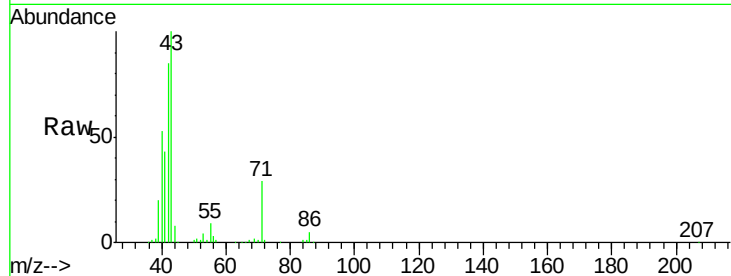




#18
Methyl Acetate
Concen: 31.962 ug/l
RT: 4.52 min Scan# 853
Delta R.T. 0.19 min
Lab File: VN054312.D
Acq: 15 Mar 2019 16:25

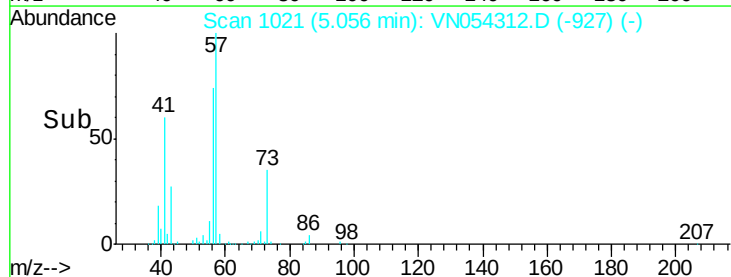
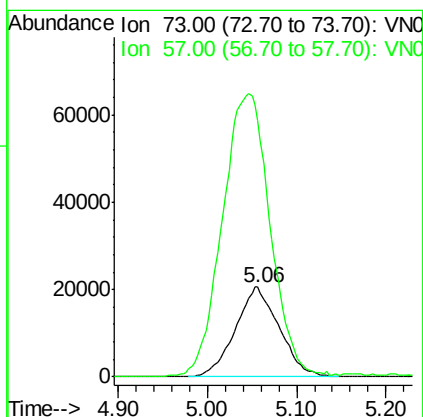
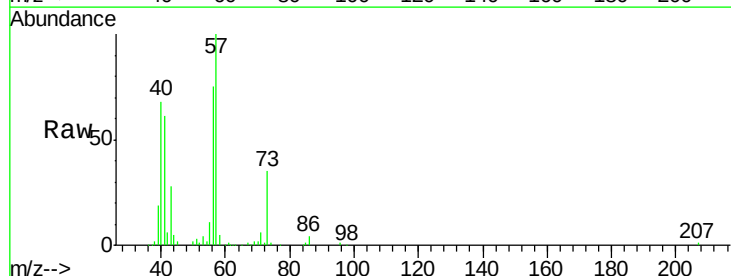
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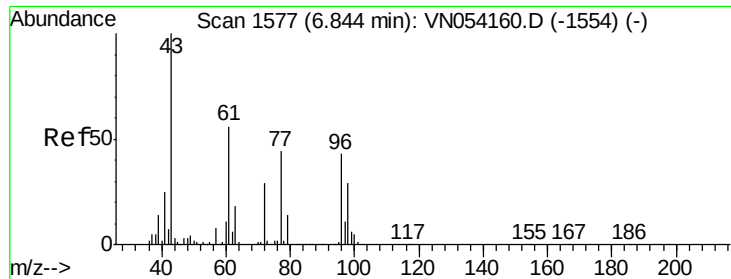
Tot Ion: 43 Resp: 267890
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



#19
Methyl tert-butyl Ether
Concen: 1.998 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054312.D
Acq: 15 Mar 2019 16:25

Tgt Ion: 73 Resp: 70096
Ion Ratio Lower Upper
73 100
57 283.0 16.8 25.2#

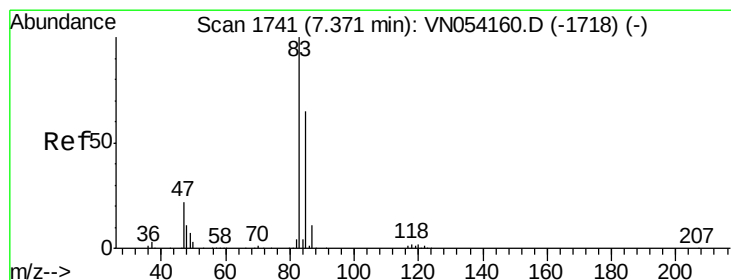
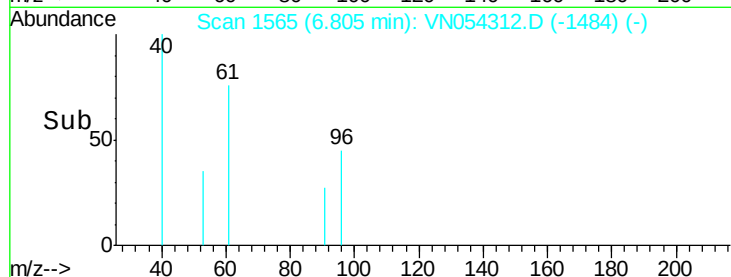
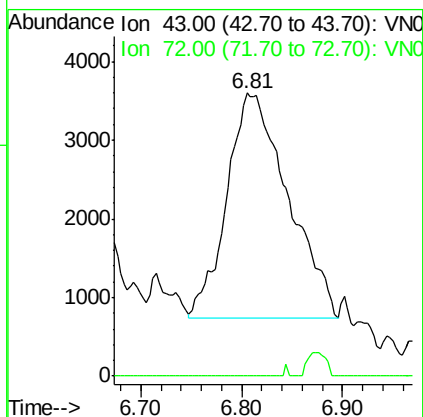
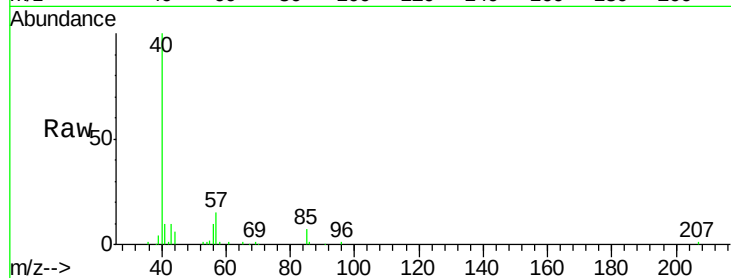




#25
2-Butanone
Concen: 2.465 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.04 min
Lab File: VN054312.D
Acq: 15 Mar 2019 16:25

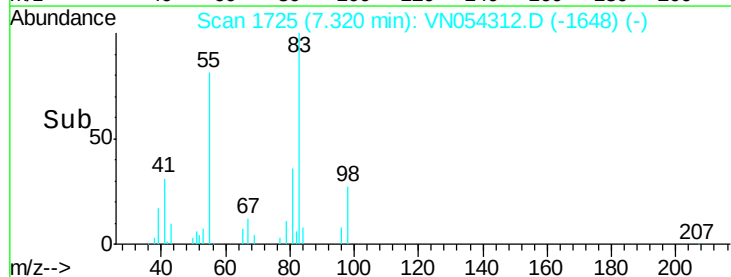
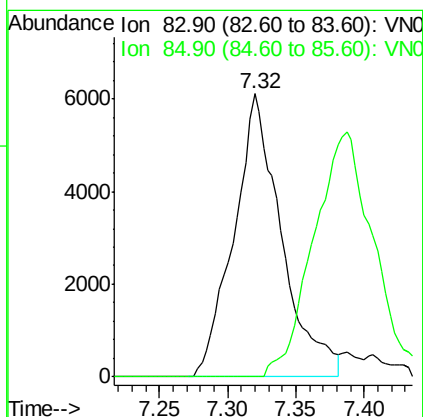
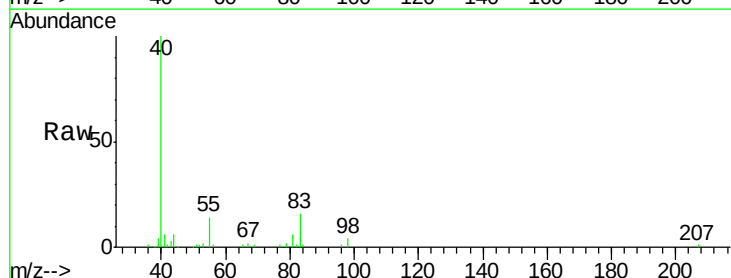
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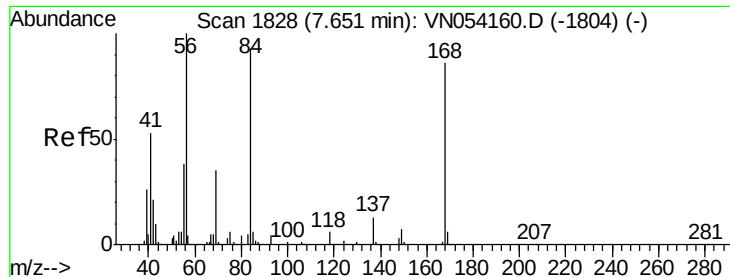
Tot Ion: 43 Resp: 11984
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#



#30
Chloroform
Concen: 0.611 ug/l
RT: 7.32 min Scan# 1725
Delta R.T. -0.05 min
Lab File: VN054312.D
Acq: 15 Mar 2019 16:25

Tgt Ion: 83 Resp: 14831
Ion Ratio Lower Upper
83 100
85 0.0 52.2 78.4#





#31

Cyclohexane

Concen: 5.217 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW06-GW

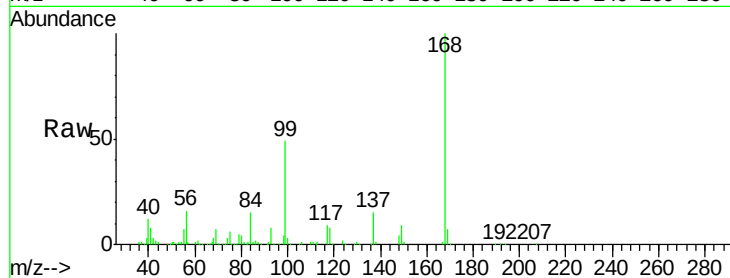
Tot Ion: 56 Resp: 137438

Ion Ratio Lower Upper

56 100

69 46.3 27.8 41.6#

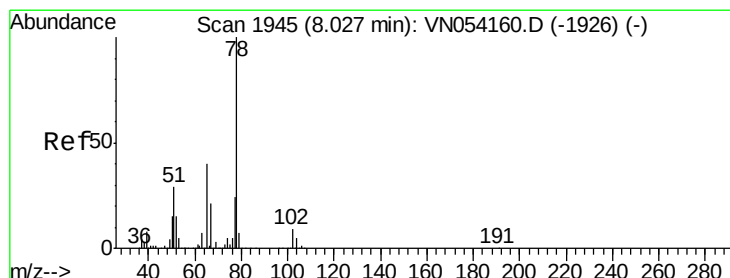
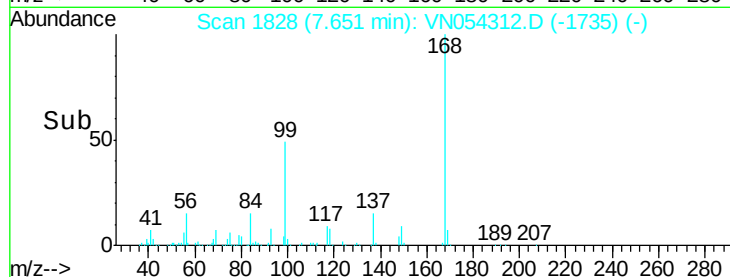
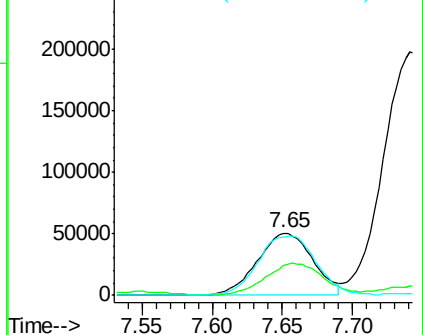
84 94.8 74.6 111.8



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: 48.989 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054312.D

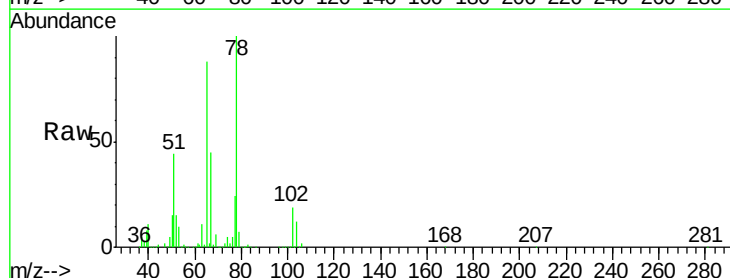
Acq: 15 Mar 2019 16:25

Tgt Ion: 65 Resp: 708809

Ion Ratio Lower Upper

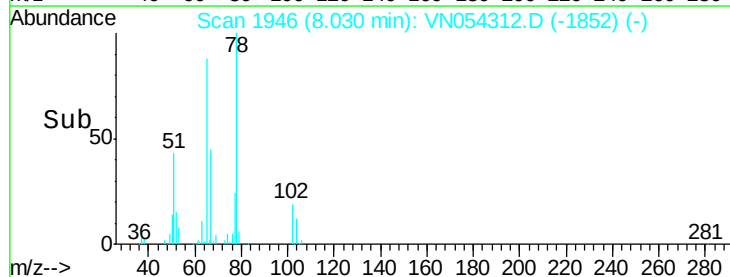
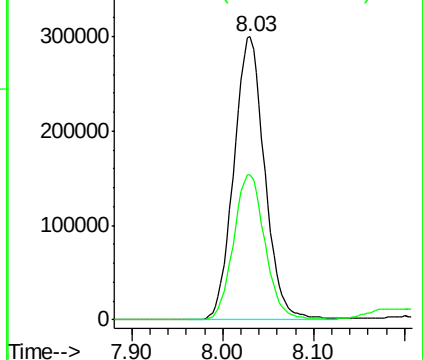
65 100

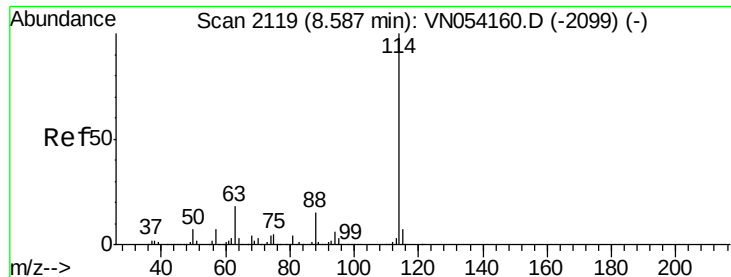
67 51.9 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

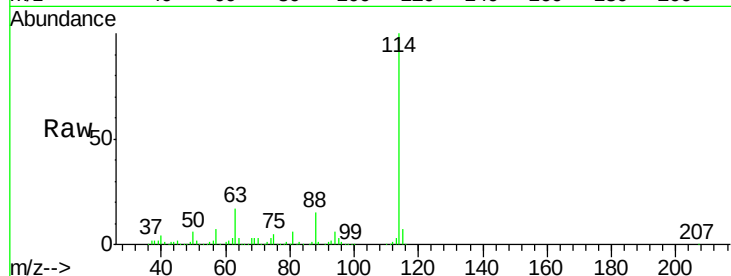




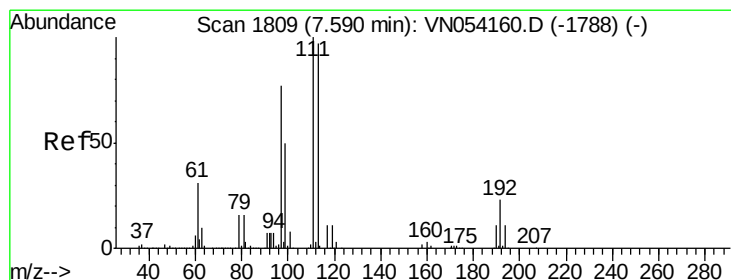
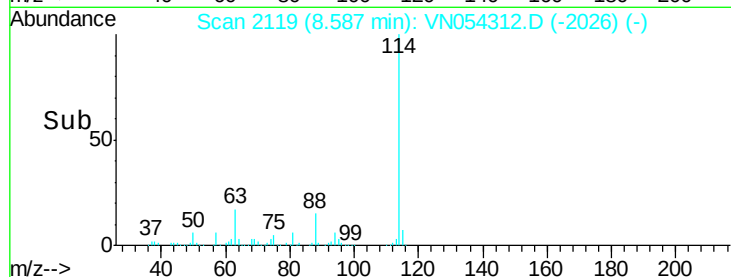
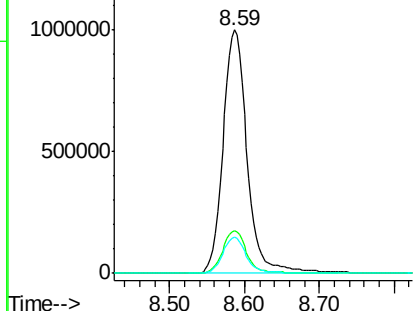
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054312.D
 Acq: 15 Mar 2019 16:25

Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW06-GW

Tot Ion:114 Resp: 2223701
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.2
 88 14.7 0.0 30.2

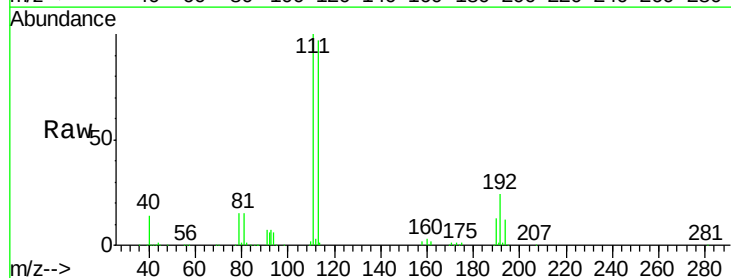


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

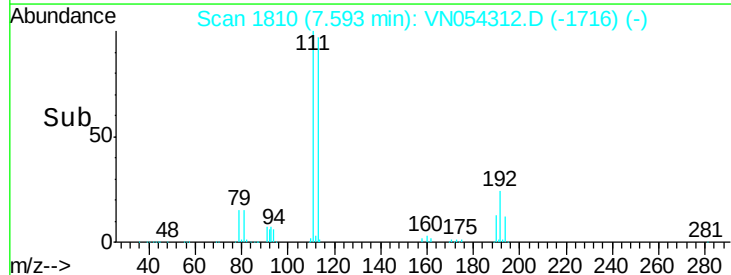
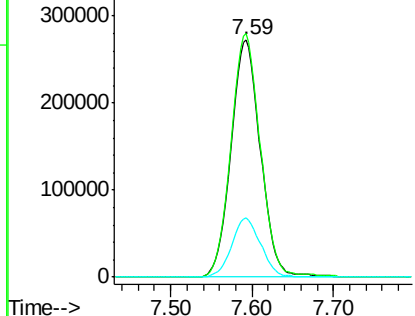


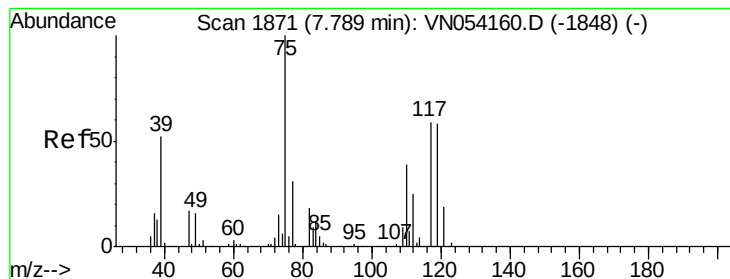
#35
 Dibromofluoromethane
 Concen: 47.776 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054312.D
 Acq: 15 Mar 2019 16:25

Tgt Ion:113 Resp: 685208
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.2 123.4
 192 24.6 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: 3.629 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.12 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW06-GW

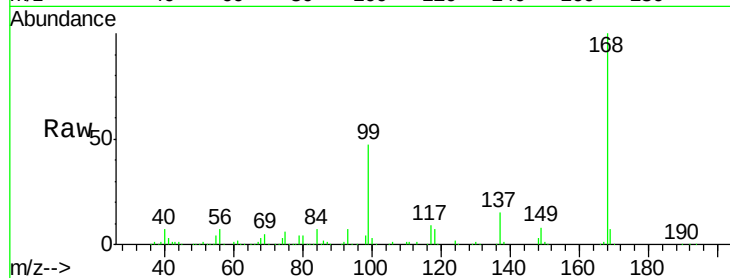
Tot Ion: 75 Resp: 74318

Ion Ratio Lower Upper

75 100

110 9.7 19.1 57.5#

77 0.0 25.0 37.4#

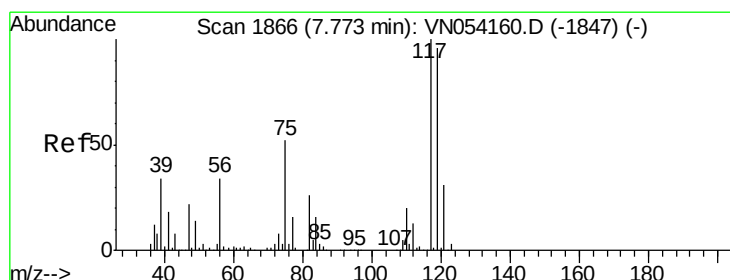
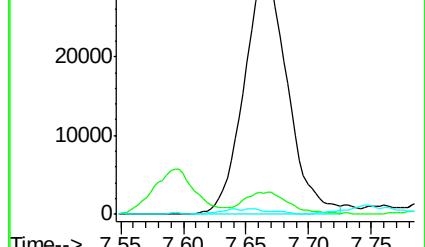
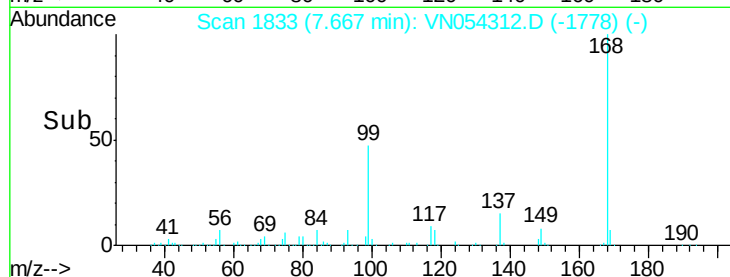


Abundance Ion 74.90 (74.60 to 75.60): VN054160.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN054160.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN054160.D (-1848) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.058 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

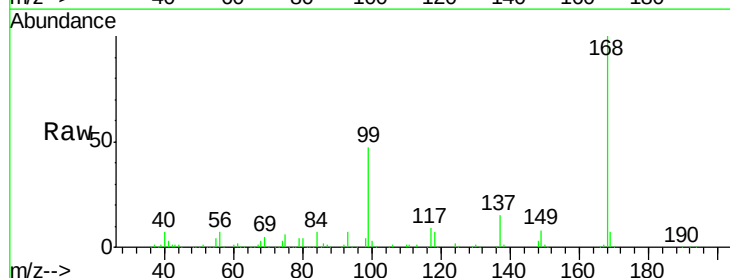
Tgt Ion: 117 Resp: 108615

Ion Ratio Lower Upper

117 100

119 4.7 76.3 114.5#

121 0.0 24.6 36.8#

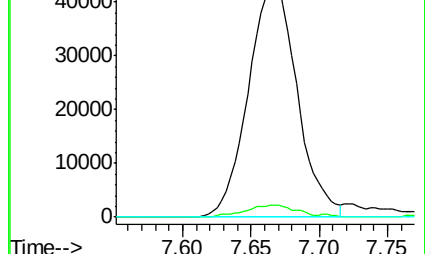
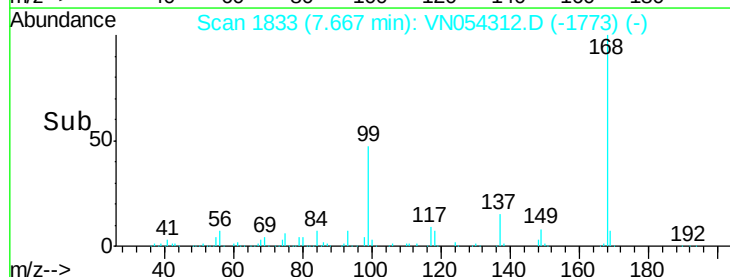


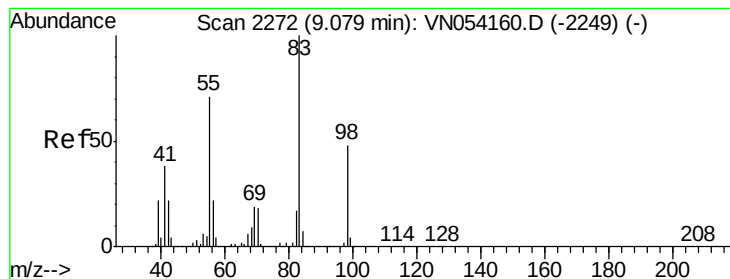
Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN054160.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN054160.D (-1847) (-)

Time-->





#39

Methylvlcyclohexane

Concen: 4.183 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW06-GW

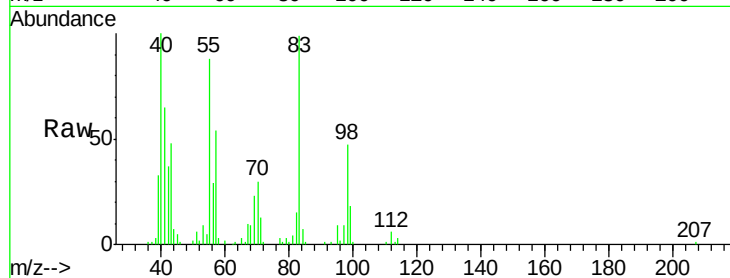
Tot Ion: 83 Resp: 105383

Ion Ratio Lower Upper

83 100

55 88.2 56.6 84.8#

98 47.2 38.4 57.6

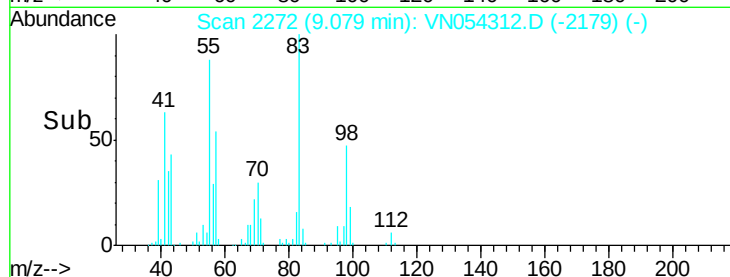


Abundance Ion 83.00 (82.70 to 83.70): VN054312.D (-2179) (-)

Ion 55.00 (54.70 to 55.70): VN054312.D (-2179) (-)

Ion 98.00 (97.70 to 98.70): VN054312.D (-2179) (-)

Time-->



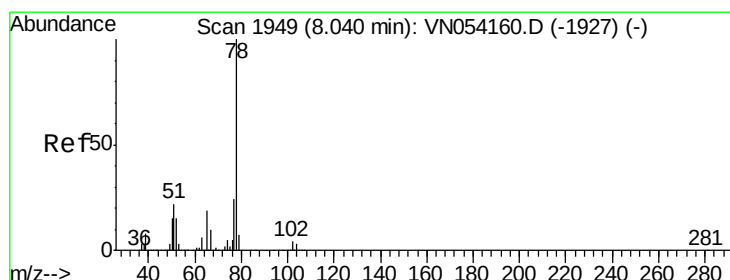
Abundance

Ion 83.00 (82.70 to 83.70): VN054312.D (-2179) (-)

Ion 55.00 (54.70 to 55.70): VN054312.D (-2179) (-)

Ion 98.00 (97.70 to 98.70): VN054312.D (-2179) (-)

Time-->



#40

Benzene

Concen: 18.189 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054312.D

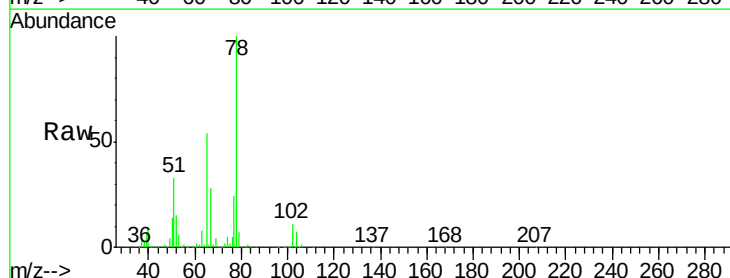
Acq: 15 Mar 2019 16:25

Tgt Ion: 78 Resp: 1065878

Ion Ratio Lower Upper

78 100

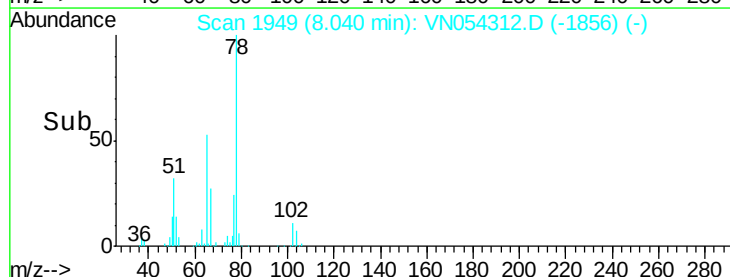
77 24.0 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN054312.D (-1856) (-)

Ion 77.00 (76.70 to 77.70): VN054312.D (-1856) (-)

Time-->

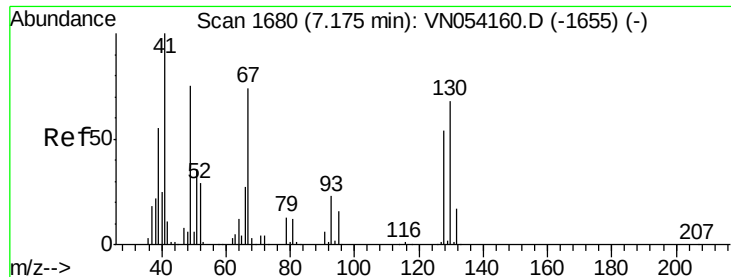


Abundance

Ion 78.00 (77.70 to 78.70): VN054312.D (-1856) (-)

Ion 77.00 (76.70 to 77.70): VN054312.D (-1856) (-)

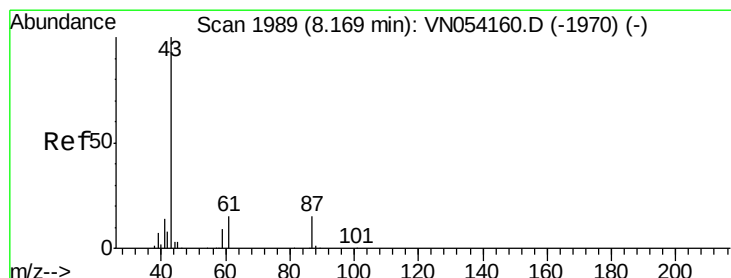
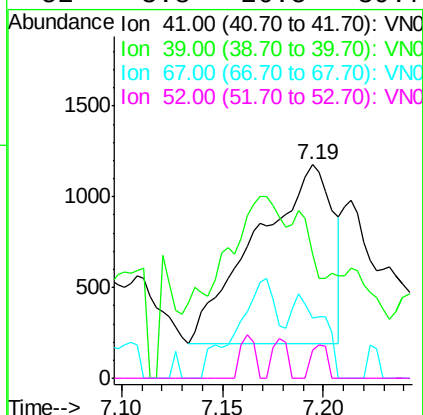
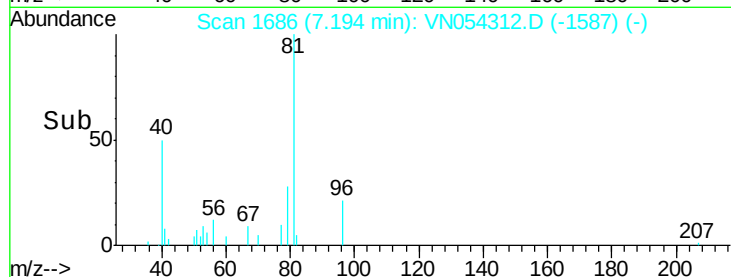
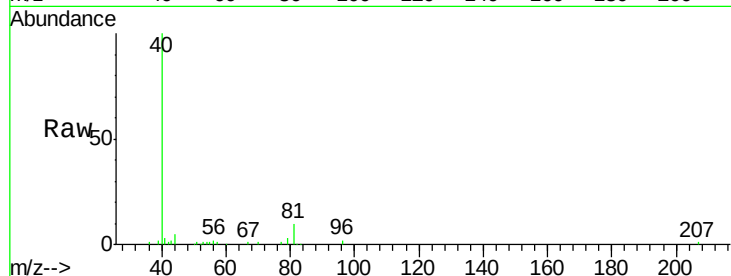
Time-->



#41
Methacrylonitrile
Concen: 0.387 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.02 min
Lab File: VN054312.D
Acq: 15 Mar 2019 16:25

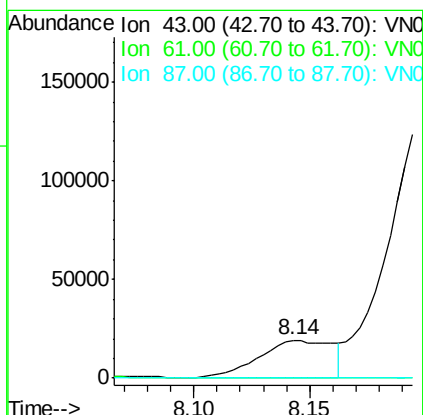
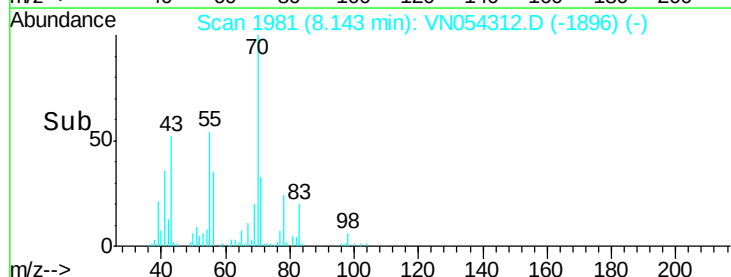
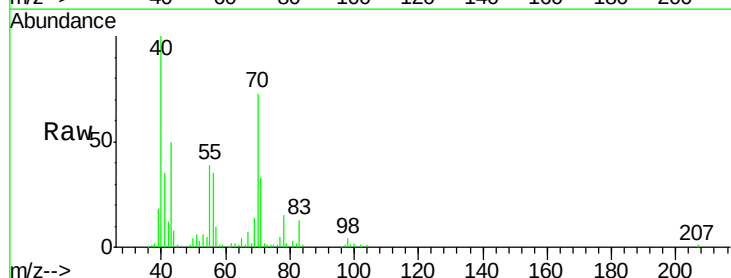
Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW06-GW

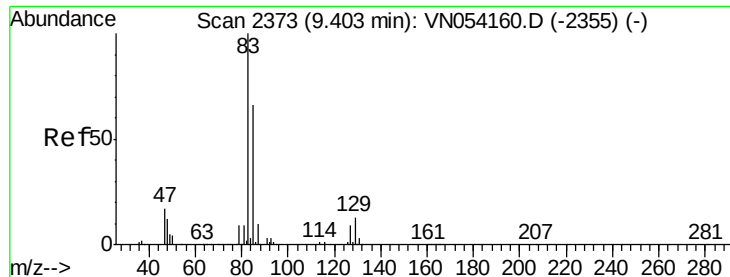
Tot Ion: 41 Resp: 2599
Ion Ratio Lower Upper
41 100
39 0.0 46.8 70.2#
67 18.7 67.0 100.4#
52 3.8 26.5 39.7#



#43
Isopropyl Acetate
Concen: 2.016 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.03 min
Lab File: VN054312.D
Acq: 15 Mar 2019 16:25

Tgt Ion: 43 Resp: 41628
Ion Ratio Lower Upper
43 100
61 0.0 15.8 23.8#
87 0.0 12.0 18.0#





#47

Bromodichloromethane

Concen: 0.531 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.02 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW06-GW

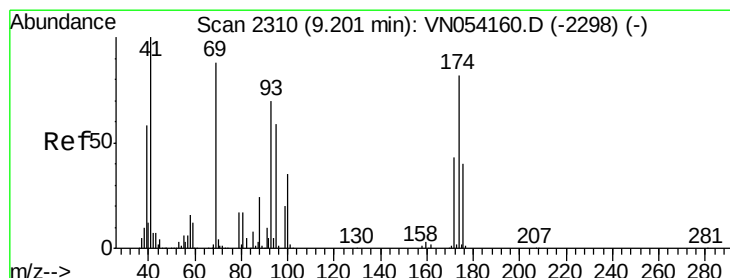
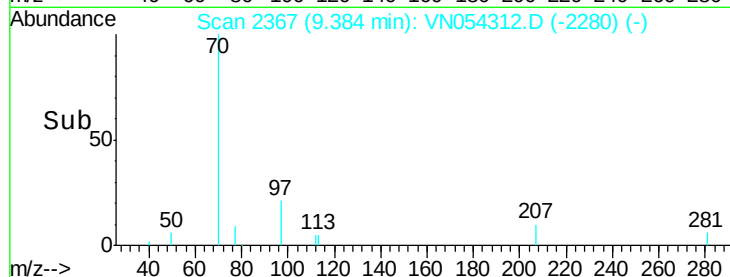
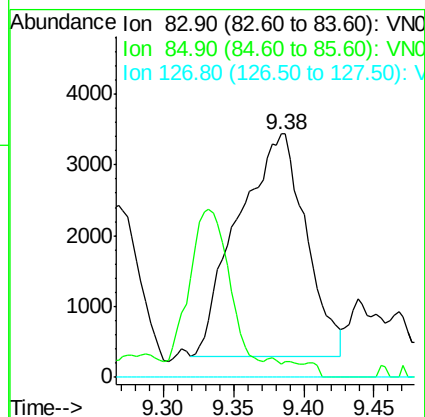
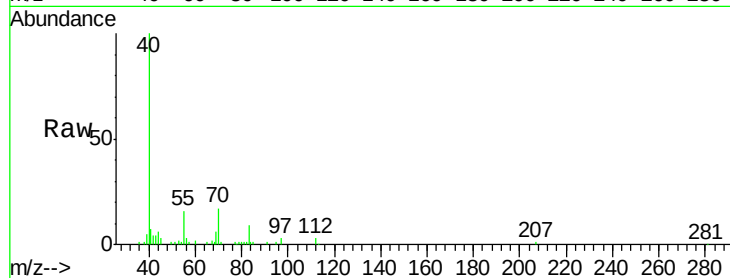
Tot Ion: 83 Resp: 10458

Ion Ratio Lower Upper

83 100

85 6.1 52.8 79.2#

127 0.0 7.4 11.2#



#48

Methyl methacrylate

Concen: 3.173 ug/l

RT: 9.22 min Scan# 2316

Delta R.T. 0.02 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

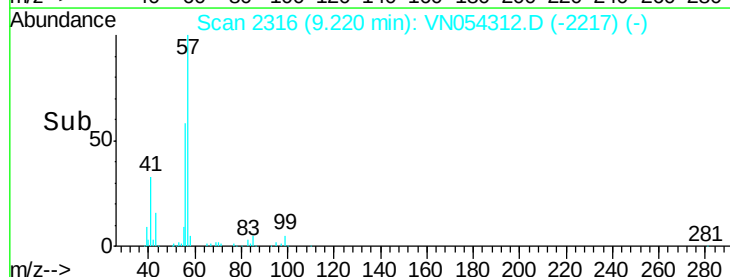
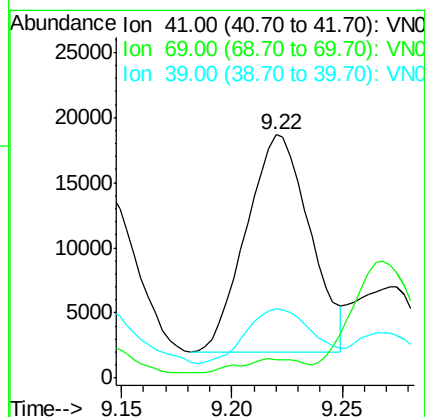
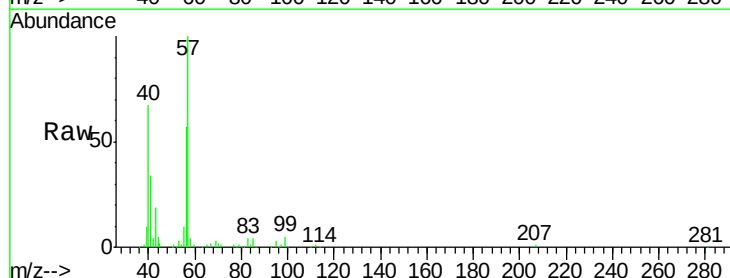
Tgt Ion: 41 Resp: 33261

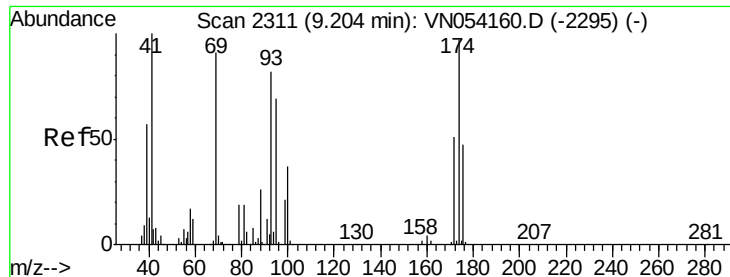
Ion Ratio Lower Upper

41 100

69 6.5 72.6 108.8#

39 26.0 47.5 71.3#

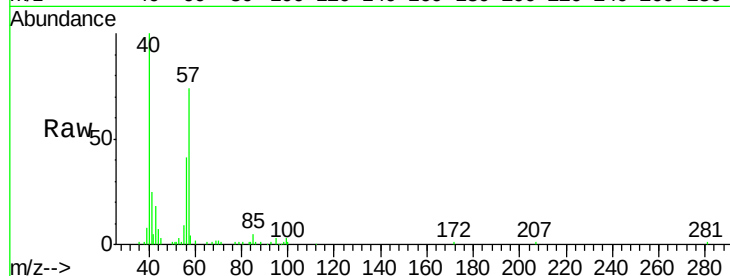




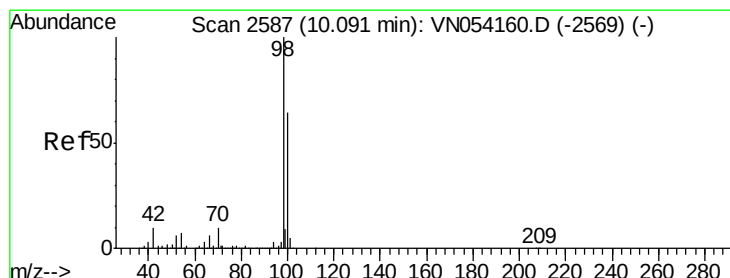
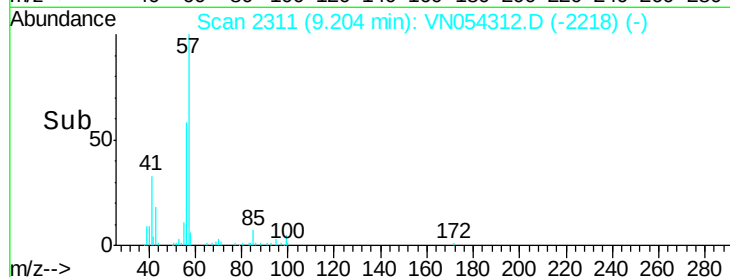
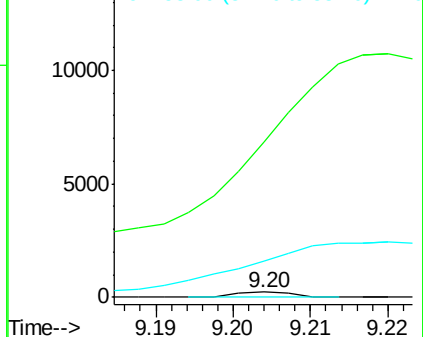
#49
 1,4-Dioxane
 Concen: 0.789 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN054312.D
 Acq: 15 Mar 2019 16:25

Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW06-GW

Tot Ion: 88 Resp: 117
 Ion Ratio Lower Upper
 88 100
 43 14953.8 24.1 36.1#
 58 5418.8 50.8 76.2#

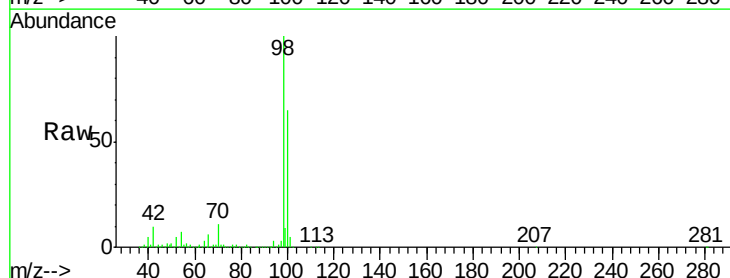


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

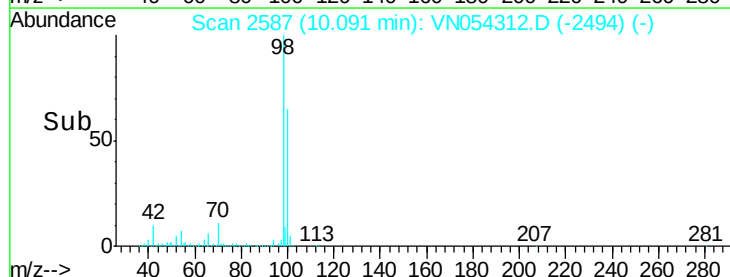
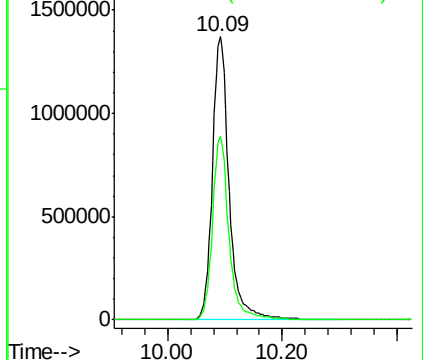


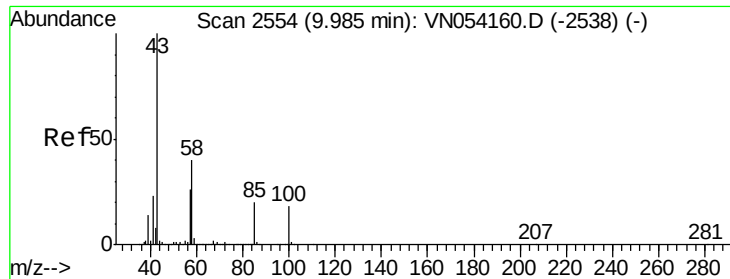
#50
 Toluene-d8
 Concen: 52.586 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN054312.D
 Acq: 15 Mar 2019 16:25

Tgt Ion: 98 Resp: 2785325
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.945 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

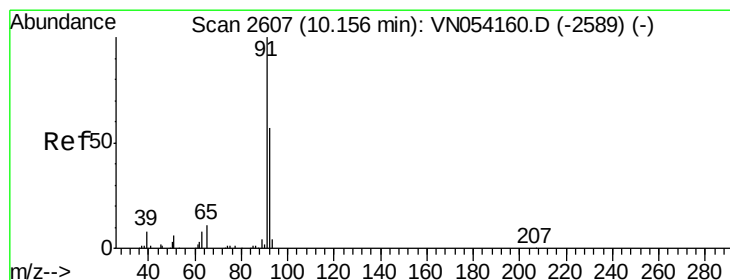
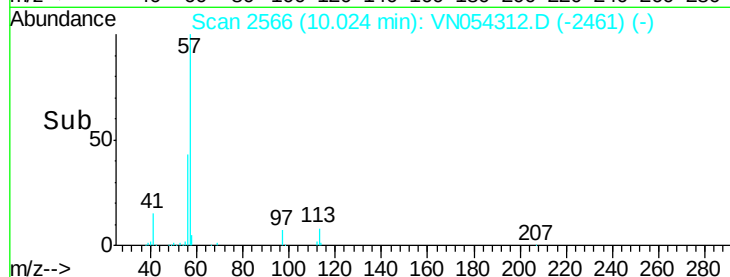
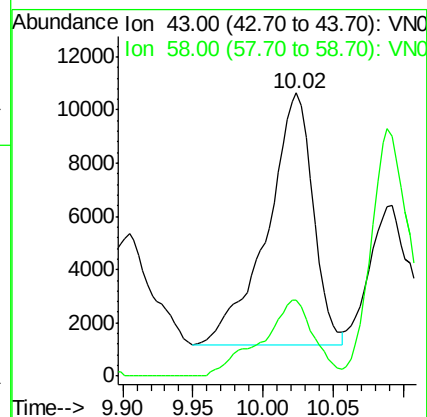
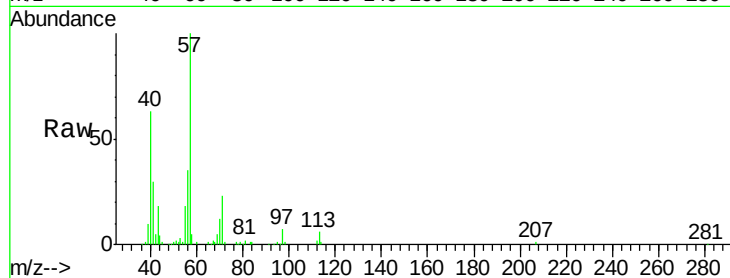
RFK-RMAB-MW06-GW

Tot Ion: 43 Resp: 21255

Ion Ratio Lower Upper

43 100

58 34.9 31.8 47.6



#52

Toluene

Concen: 0.521 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054312.D

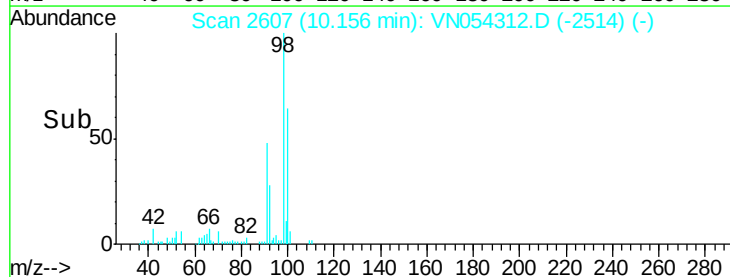
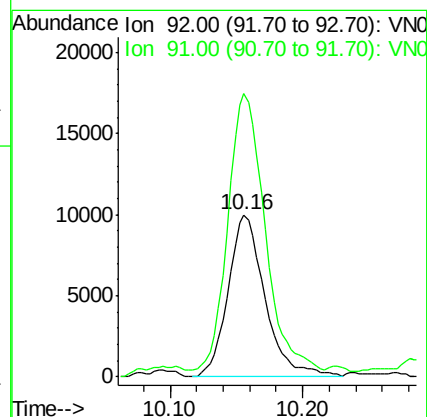
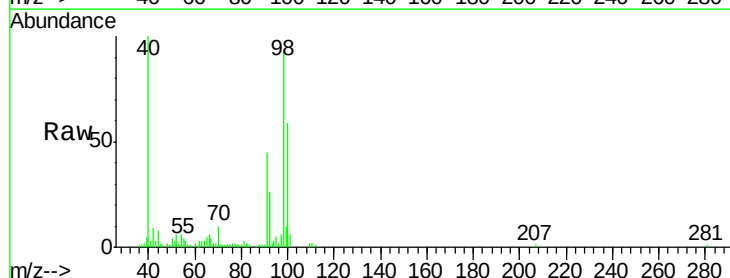
Acq: 15 Mar 2019 16:25

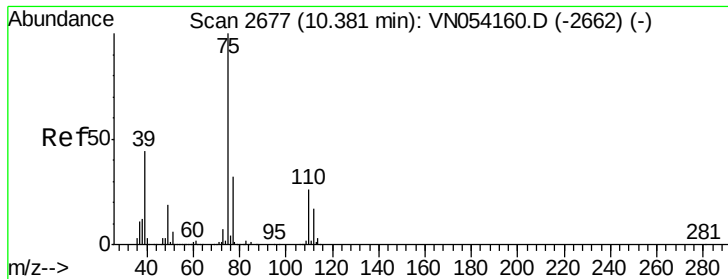
Tgt Ion: 92 Resp: 19361

Ion Ratio Lower Upper

92 100

91 173.2 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 2.006 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

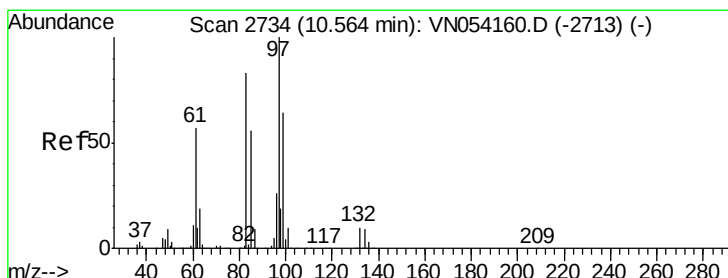
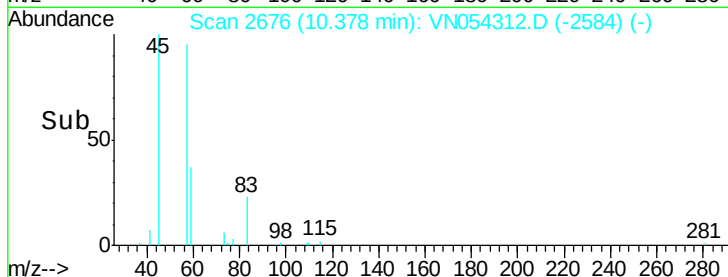
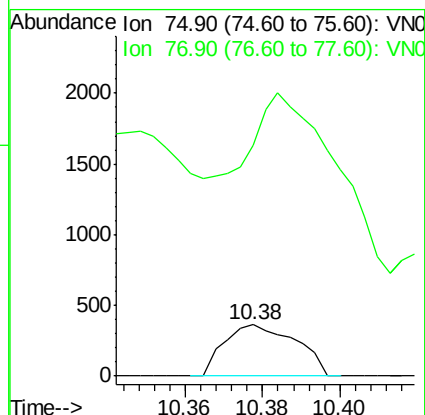
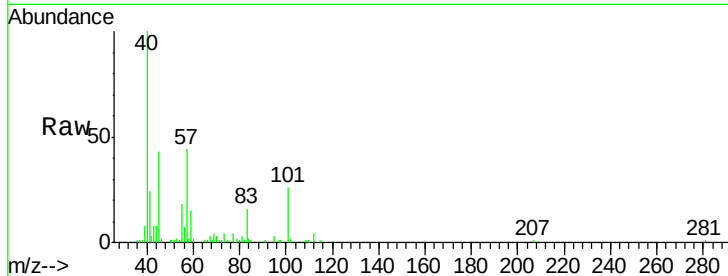
RFK-RMAB-MW06-GW

Tot Ion: 75 Resp: 470

Ion Ratio Lower Upper

75 100

77 53.9 25.8 38.8#



#55

1,1,2-Trichloroethane

Concen: 3.348 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.04 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

Tgt Ion: 97 Resp: 45424

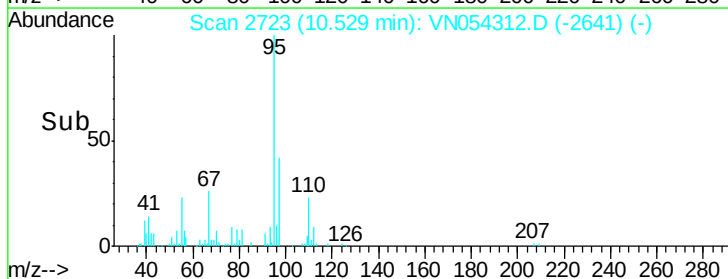
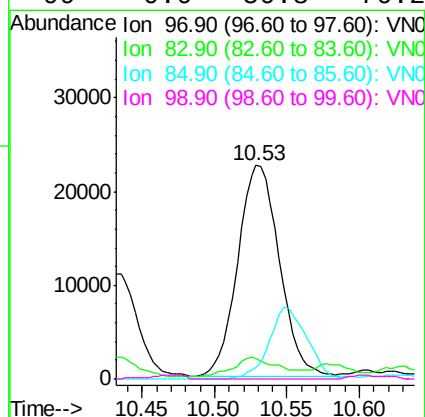
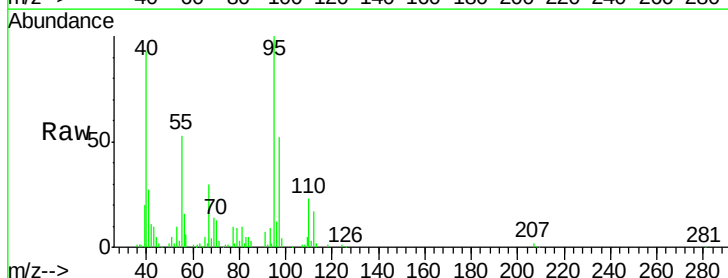
Ion Ratio Lower Upper

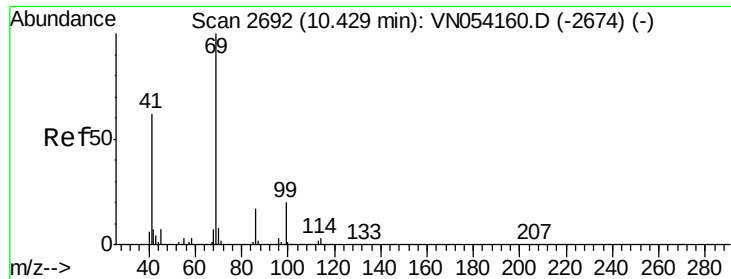
97 100

83 8.5 66.6 100.0#

85 5.3 44.4 66.6#

99 0.0 50.8 76.2#

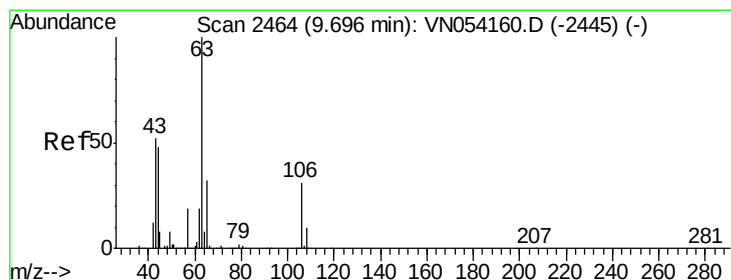
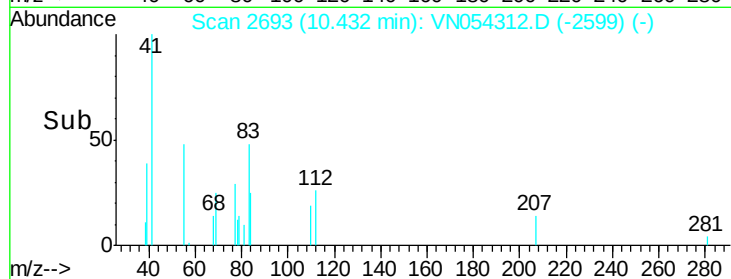
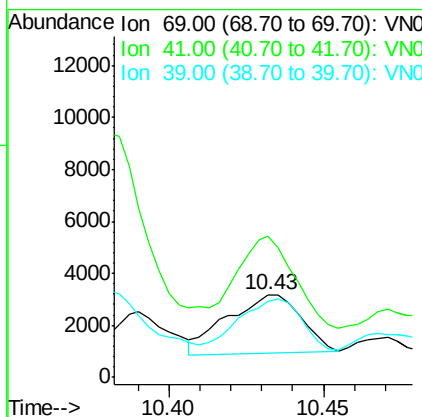
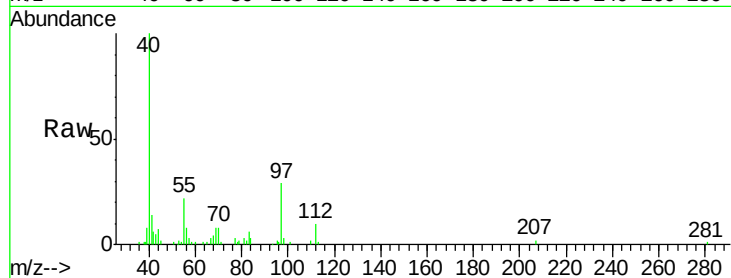




#56
Ethyl methacrylate
Concen: 0.230 ug/l
RT: 10.43 min Scan# 2693
Delta R.T. 0.00 min
Lab File: VN054312.D
Acq: 15 Mar 2019 16:25

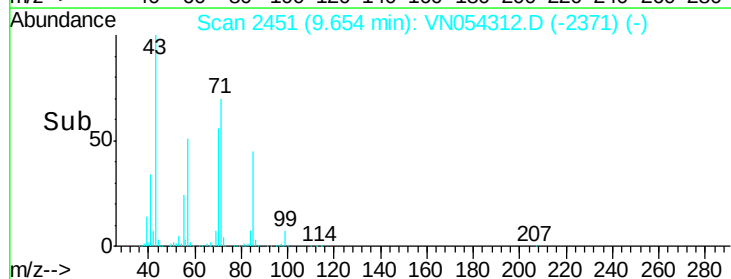
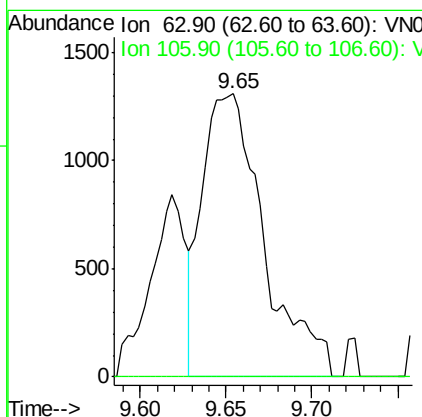
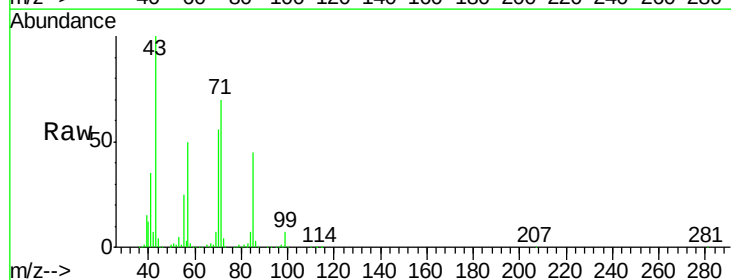
Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW06-GW

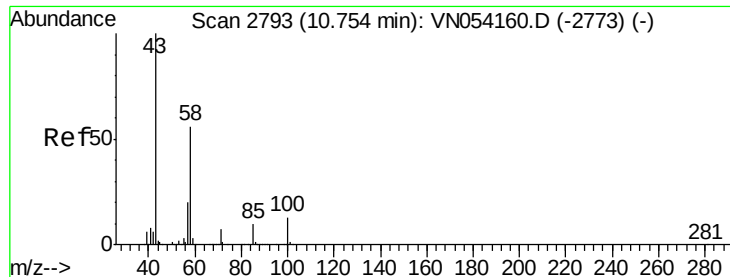
Tot Ion: 69 Resp: 3724
Ion Ratio Lower Upper
69 100
41 194.8 49.4 74.2#
39 74.9 28.3 42.5#



#58
2-Chloroethyl Vinyl ether
Concen: 17.263 ug/l
RT: 9.65 min Scan# 2451
Delta R.T. -0.04 min
Lab File: VN054312.D
Acq: 15 Mar 2019 16:25

Tgt Ion: 63 Resp: 3277
Ion Ratio Lower Upper
63 100
106 0.0 24.4 36.6#

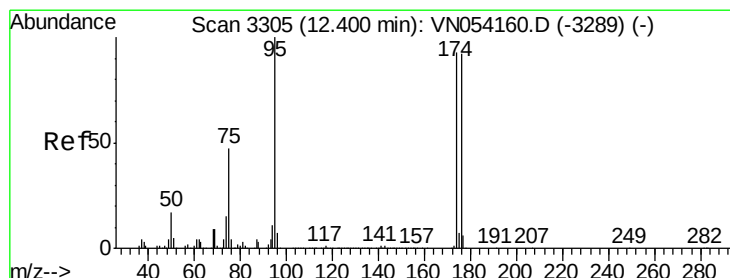
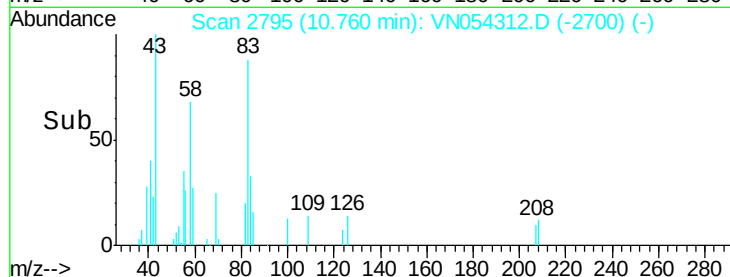
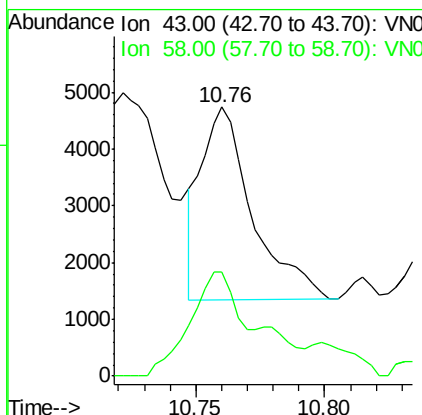
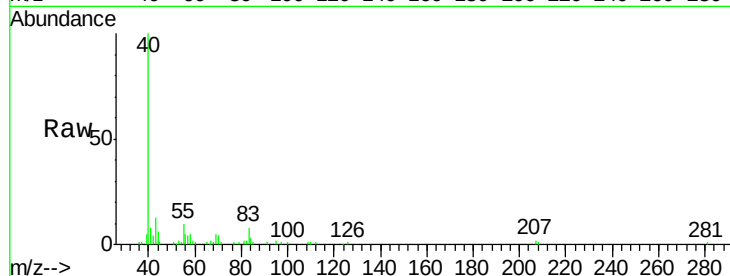




#59
2-Hexanone
Concen: 0.644 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN054312.D
Acq: 15 Mar 2019 16:25

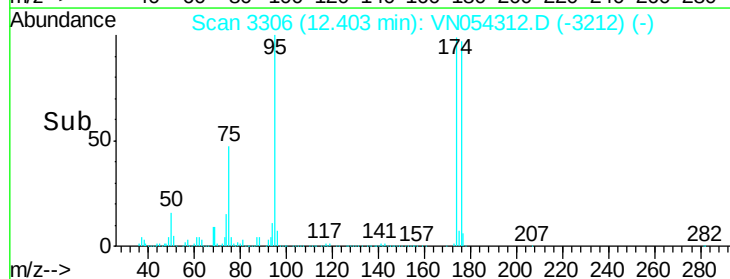
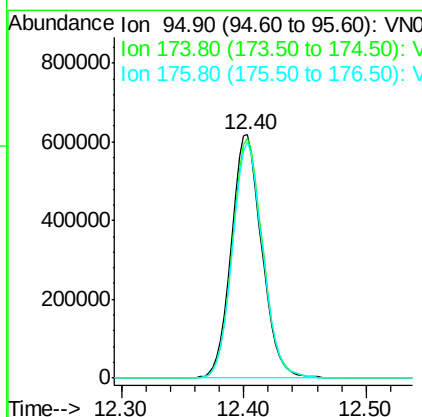
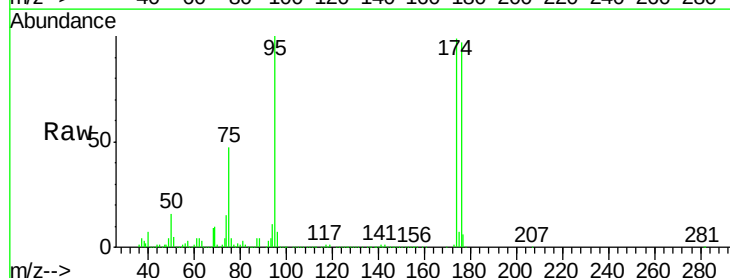
Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW06-GW

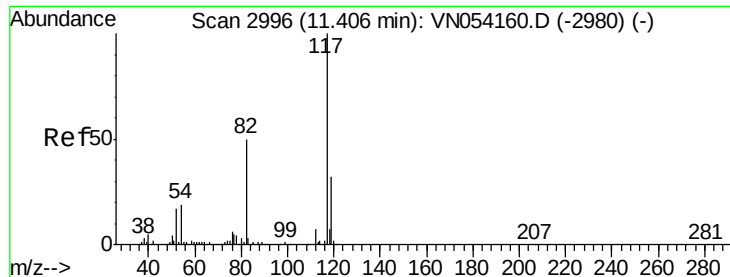
Tot Ion: 43 Resp: 4683
Ion Ratio Lower Upper
43 100
58 53.4 28.0 83.9



#62
4-Bromofluorobenzene
Concen: 57.741 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN054312.D
Acq: 15 Mar 2019 16:25

Tgt Ion: 95 Resp: 1070119
Ion Ratio Lower Upper
95 100
174 99.0 0.0 191.0
176 96.4 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW06-GW

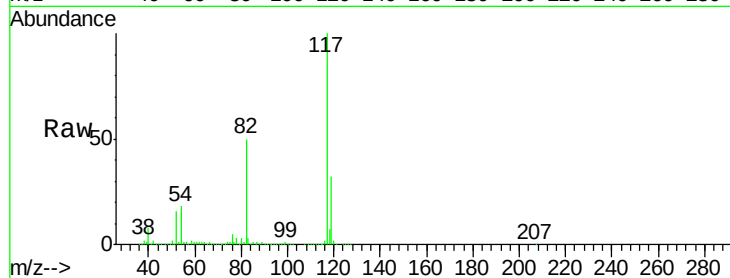
Tot Ion:117 Resp: 2349416

Ion Ratio Lower Upper

117 100

82 49.8 40.0 60.0

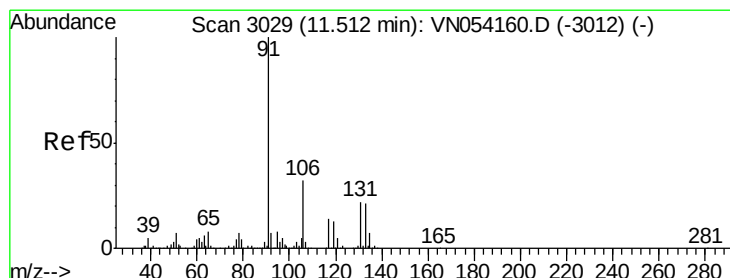
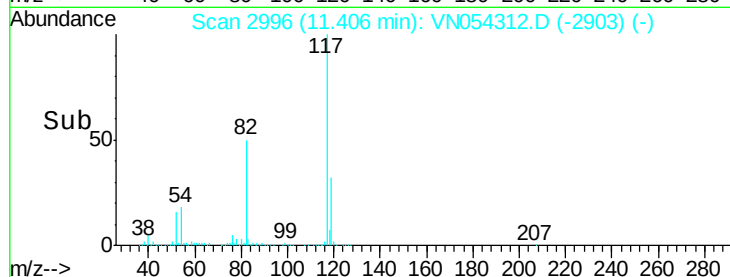
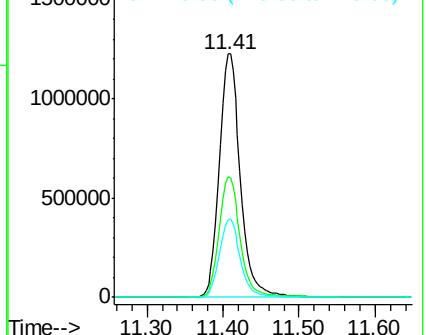
119 31.9 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 0.683 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054312.D

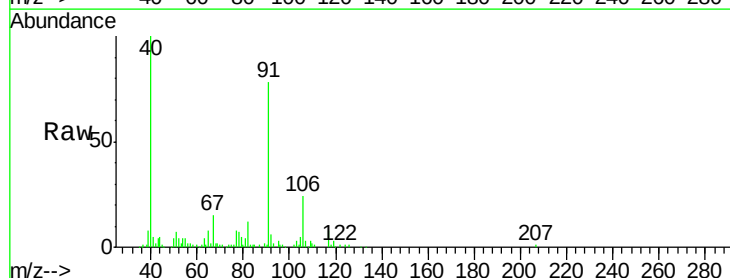
Acq: 15 Mar 2019 16:25

Tgt Ion: 91 Resp: 58378

Ion Ratio Lower Upper

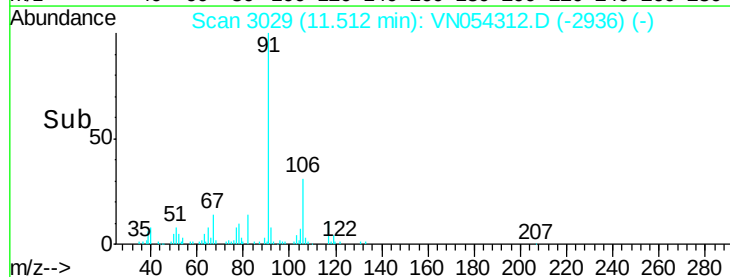
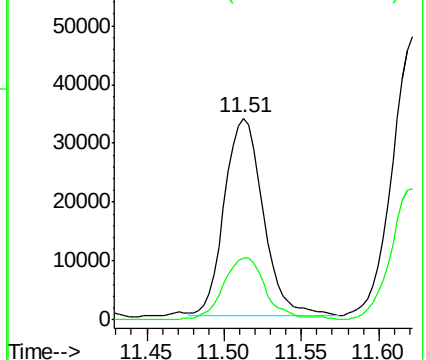
91 100

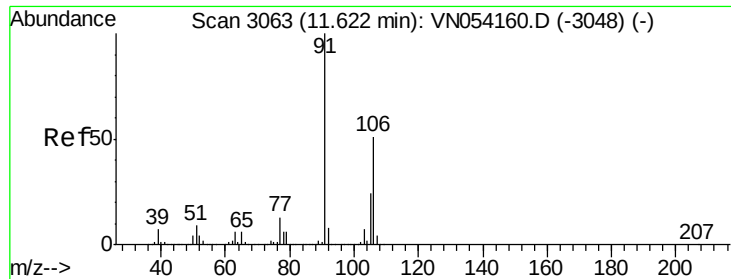
106 31.0 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

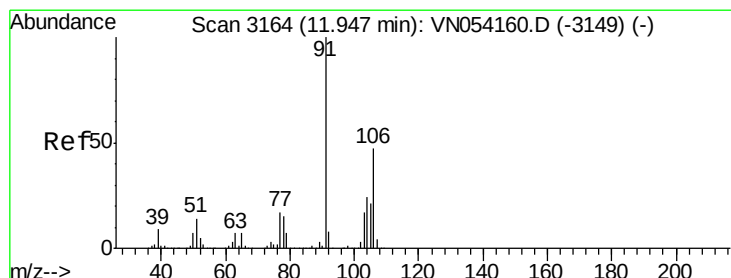
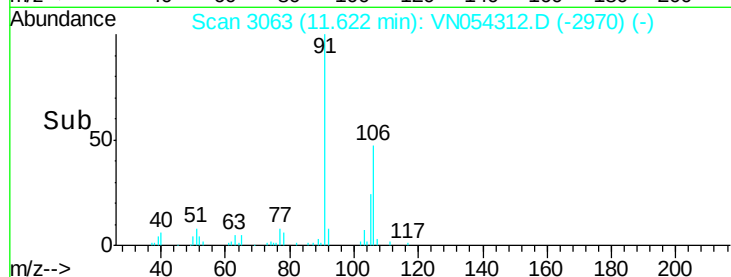
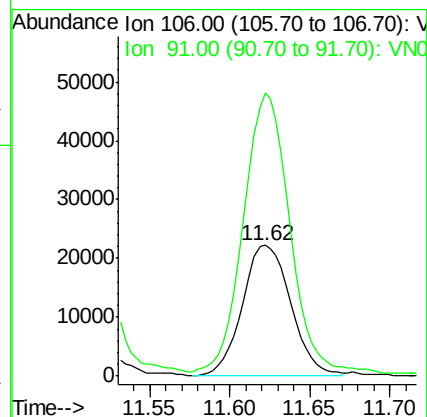
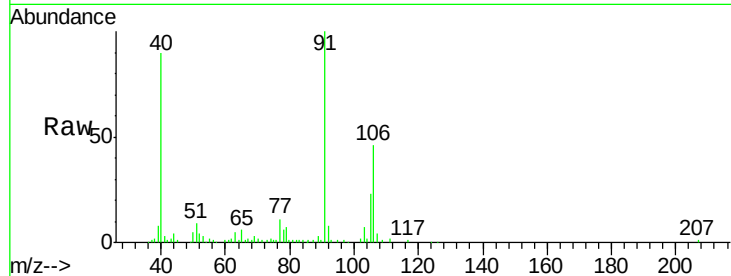




#68
m/p-Xylenes
Concen: 1.357 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054312.D
Acq: 15 Mar 2019 16:25

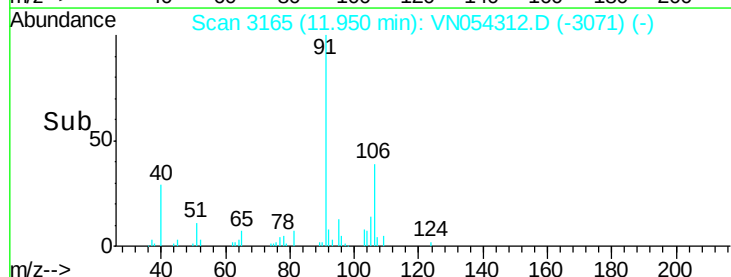
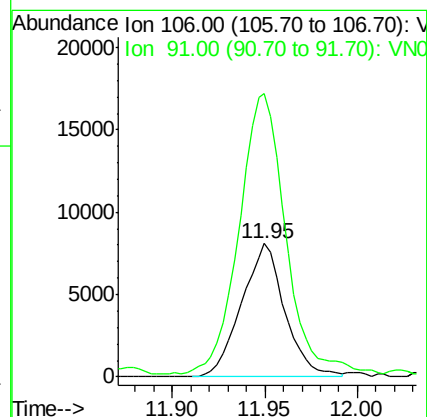
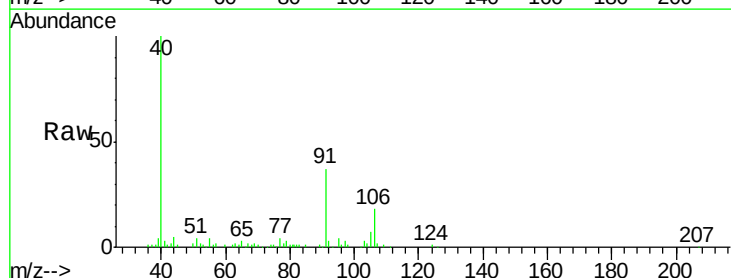
Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW06-GW

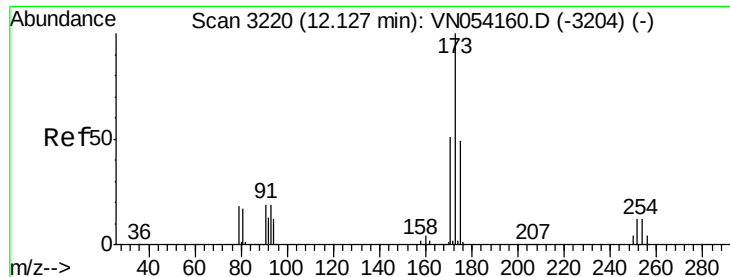
Tot Ion:106 Resp: 45349
Ion Ratio Lower Upper
106 100
91 208.8 159.4 239.2



#69
o-Xylene
Concen: 0.404 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054312.D
Acq: 15 Mar 2019 16:25

Tgt Ion:106 Resp: 13171
Ion Ratio Lower Upper
106 100
91 226.7 105.7 317.1





#71

Bromoform

Concen: 2.752 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW06-GW

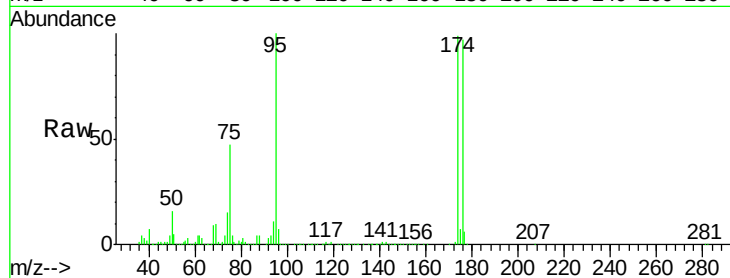
Tot Ion:173 Resp: 6011

Ion Ratio Lower Upper

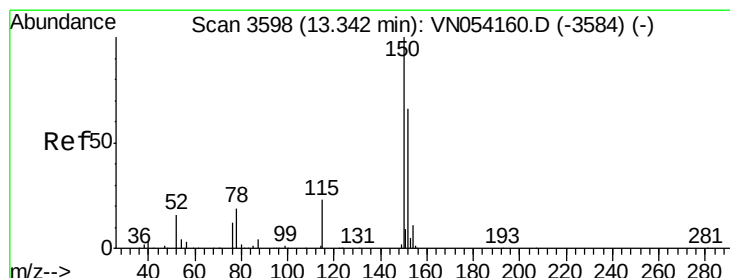
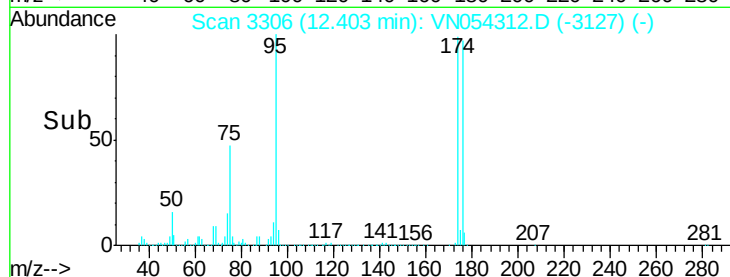
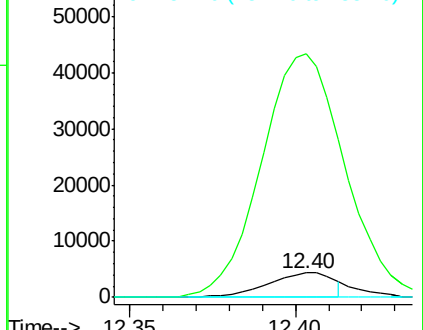
173 100

175 1070.8 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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

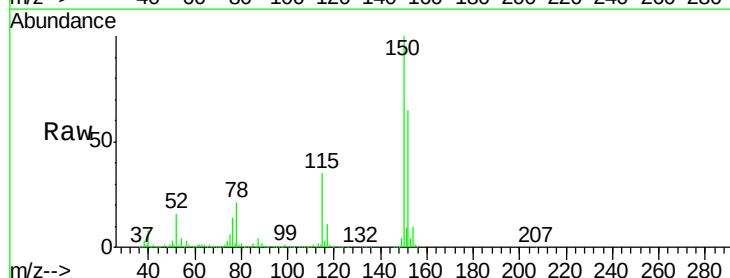
Tgt Ion:152 Resp: 1057284

Ion Ratio Lower Upper

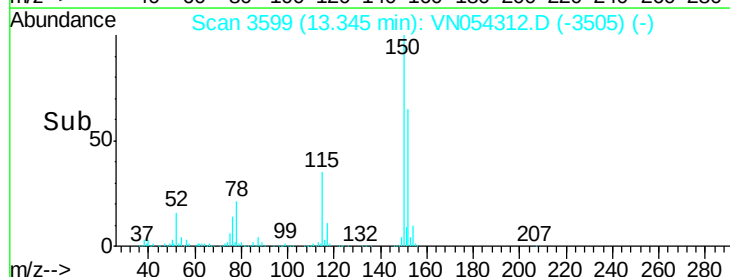
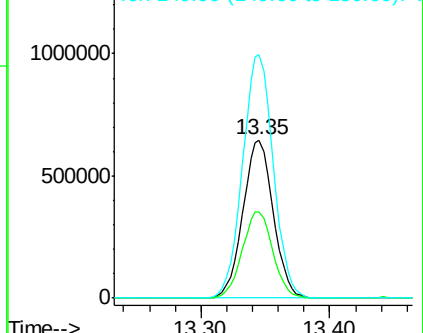
152 100

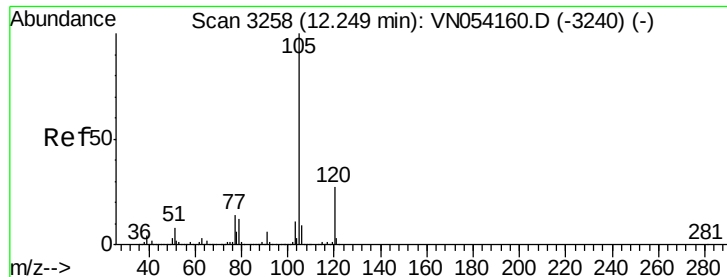
115 55.0 27.2 81.6

150 156.2 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: 29.721 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

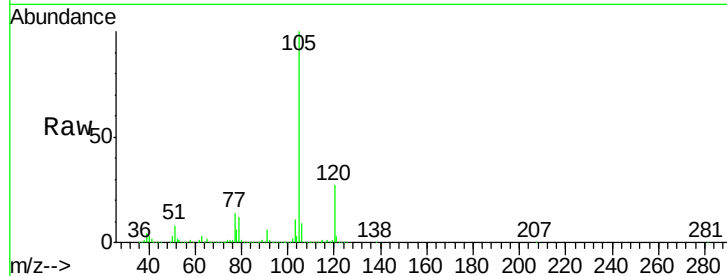
RFK-RMAB-MW06-GW

Tot Ion:105 Resp: 2514059

Ion Ratio Lower Upper

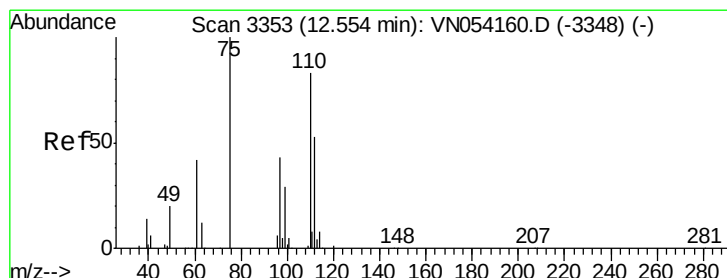
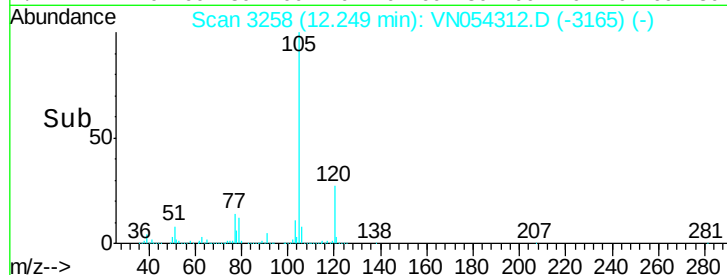
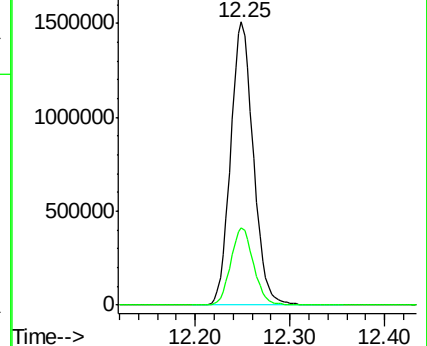
105 100

120 27.4 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 32.667 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054312.D

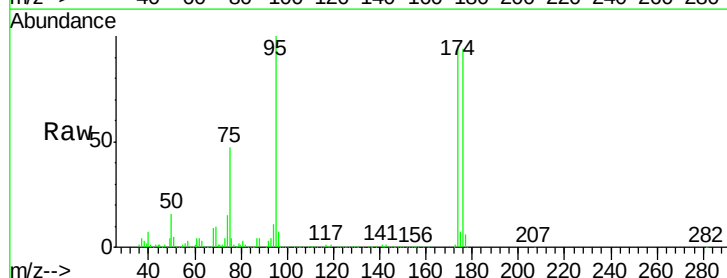
Acq: 15 Mar 2019 16:25

Tgt Ion: 75 Resp: 507895

Ion Ratio Lower Upper

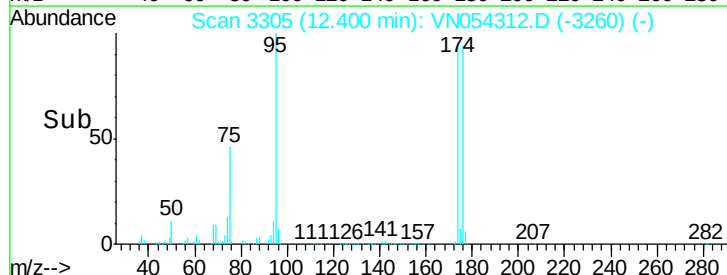
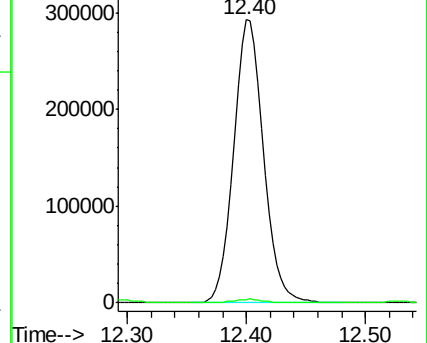
75 100

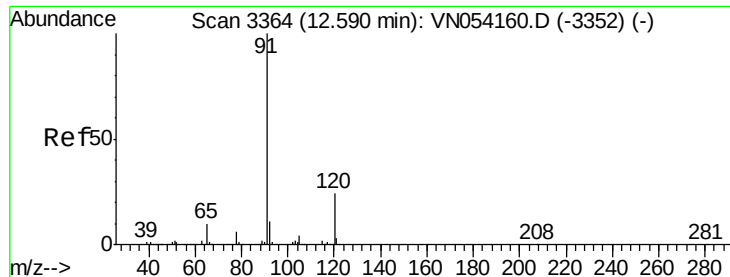
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#78

n-propylbenzene

Concen: 24.225 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

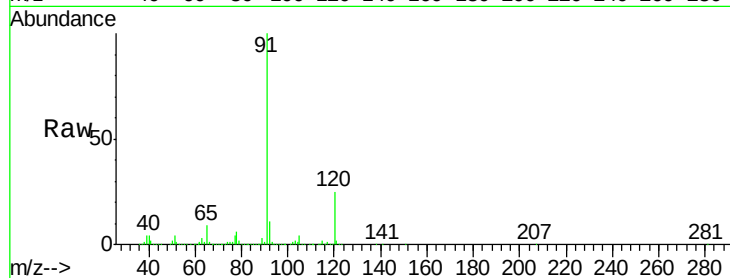
RFK-RMAB-MW06-GW

Tot Ion: 91 Resp: 2223467

Ion Ratio Lower Upper

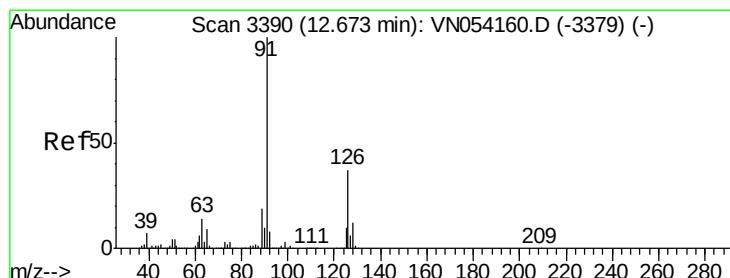
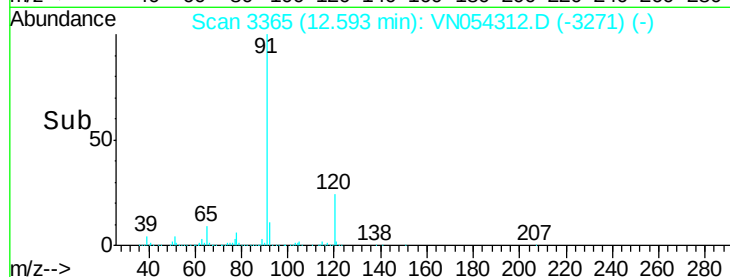
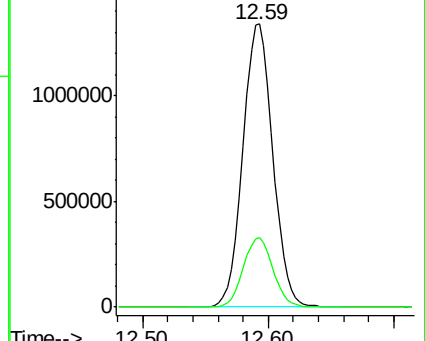
91 100

120 24.4 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: 40.289 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN054312.D

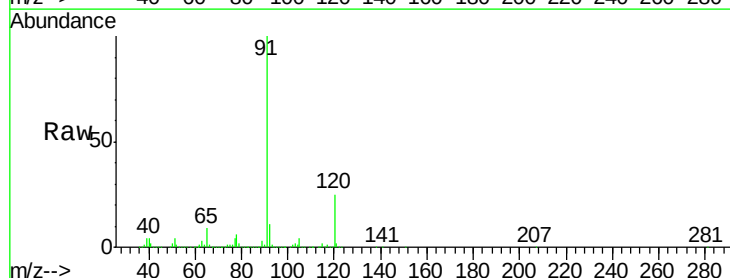
Acq: 15 Mar 2019 16:25

Tgt Ion: 91 Resp: 2223467

Ion Ratio Lower Upper

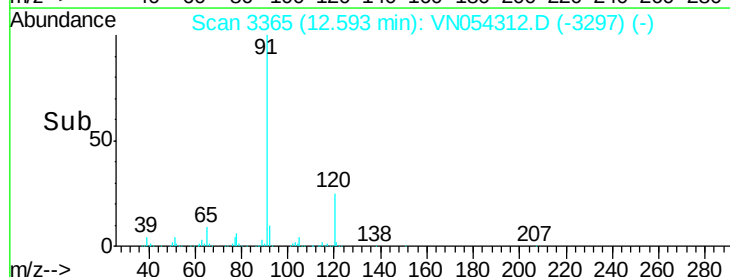
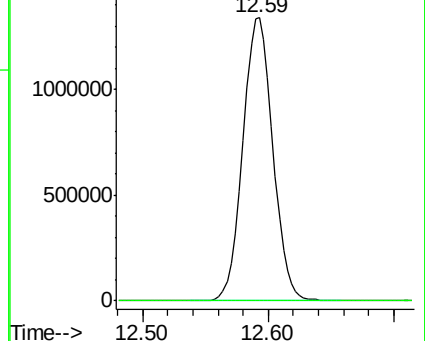
91 100

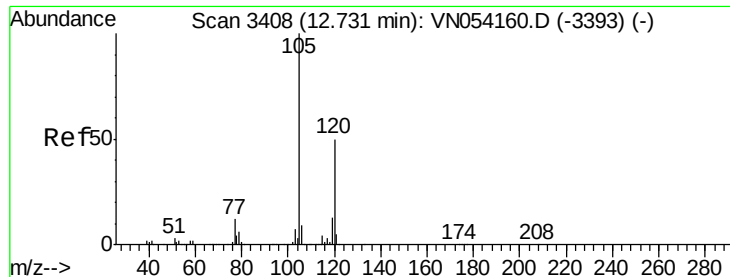
126 0.0 18.7 56.1#



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: 1.224 ug/l

RT: 12.89 min Scan# 3458

Delta R.T. 0.16 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

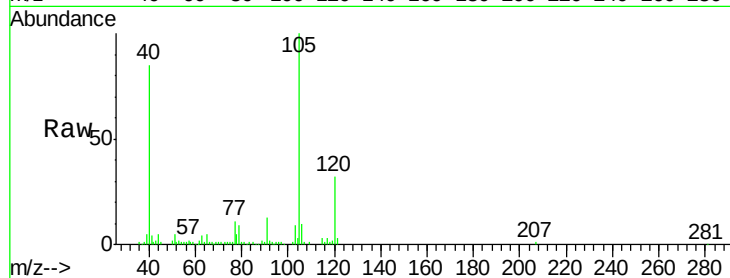
RFK-RMAB-MW06-GW

Tot Ion:105 Resp: 86147

Ion Ratio Lower Upper

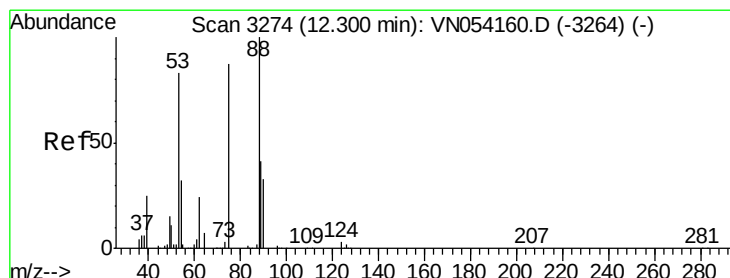
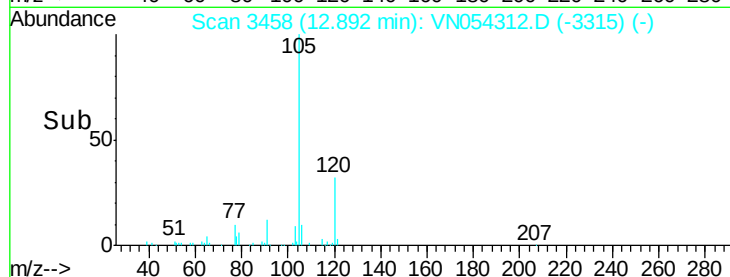
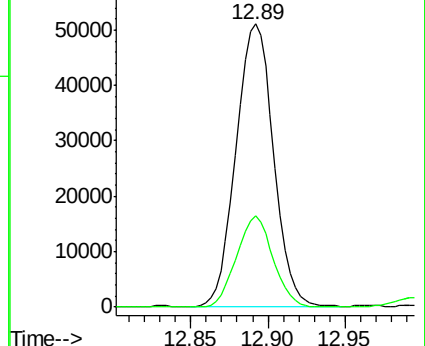
105 100

120 31.3 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 5.569 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.05 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

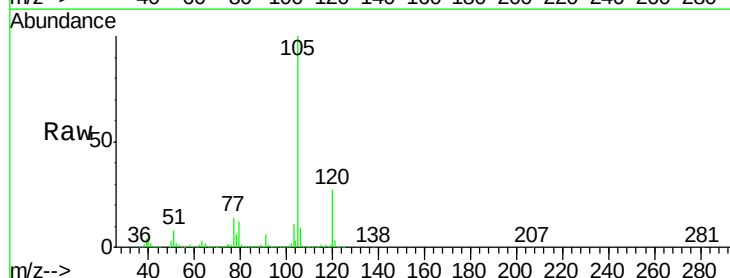
Tgt Ion: 75 Resp: 25327

Ion Ratio Lower Upper

75 100

53 94.0 76.2 114.2

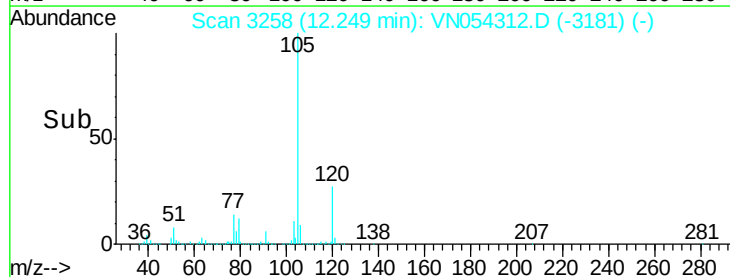
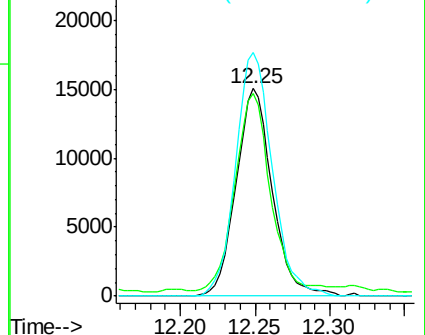
89 119.1 39.2 58.8#

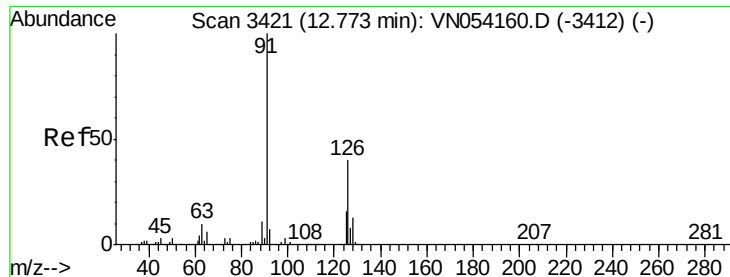


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 40.349 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.18 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

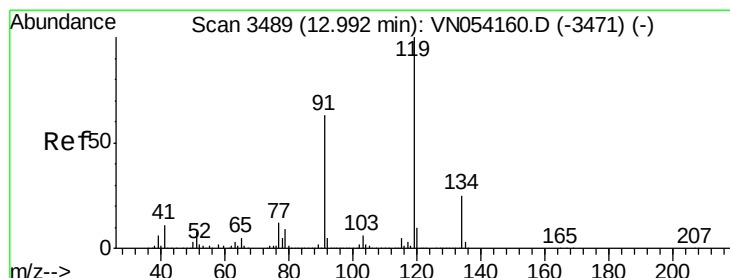
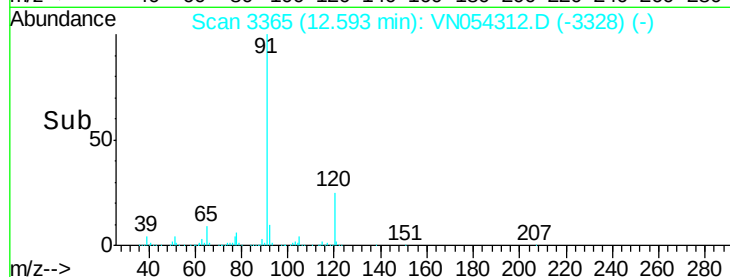
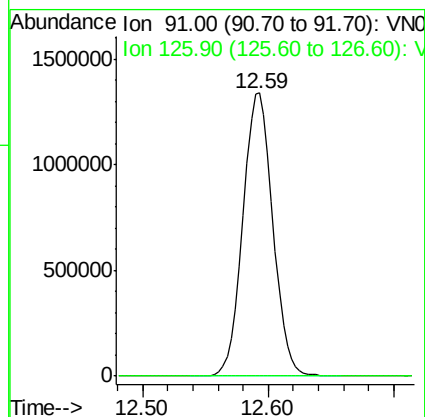
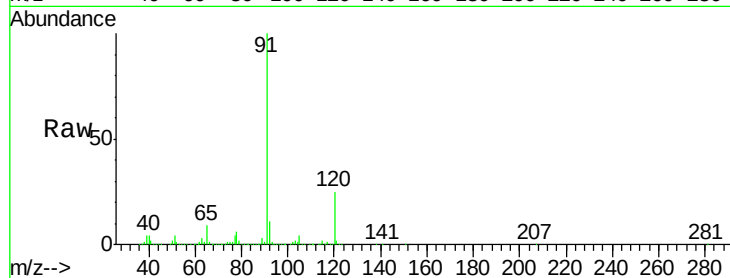
RFK-RMAB-MW06-GW

Tot Ion: 91 Resp: 2223467

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



#83

tert-Butylbenzene

Concen: 0.446 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

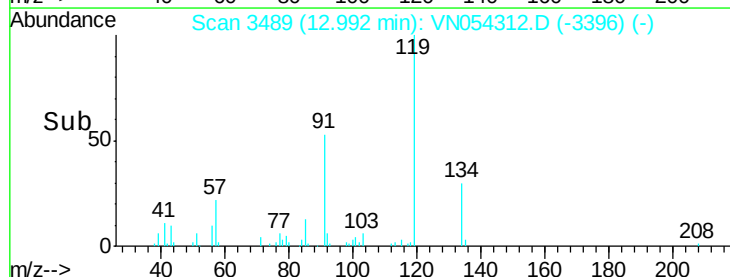
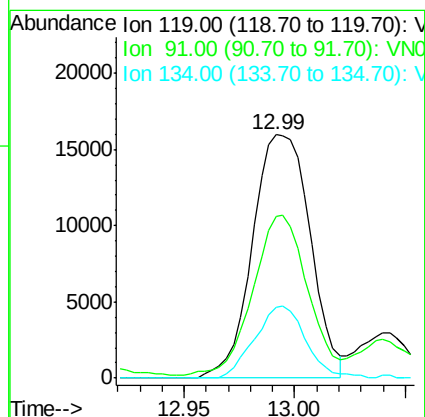
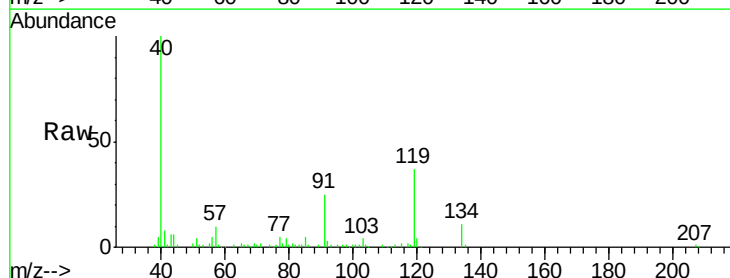
Tgt Ion: 119 Resp: 28865

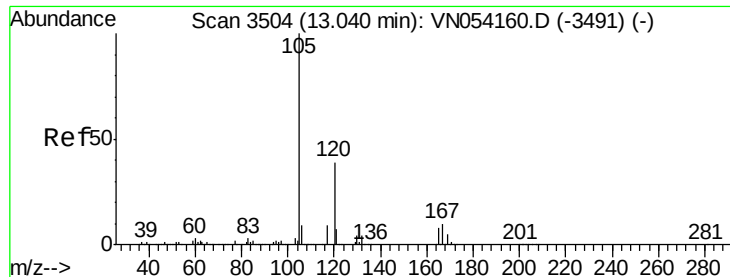
Ion Ratio Lower Upper

119 100

91 62.2 30.9 92.8

134 26.2 13.2 39.6





#84

1,2,4-Trimethylbenzene

Concen: 0.508 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

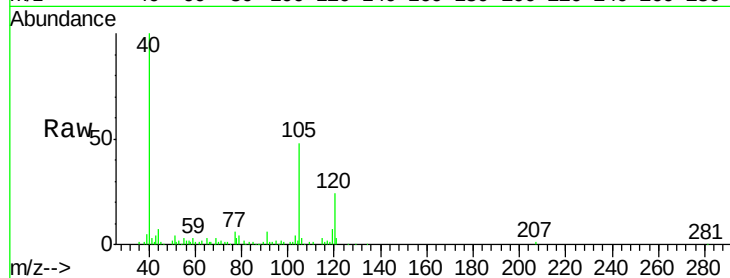
RFK-RMAB-MW06-GW

Tot Ion:105 Resp: 35075

Ion Ratio Lower Upper

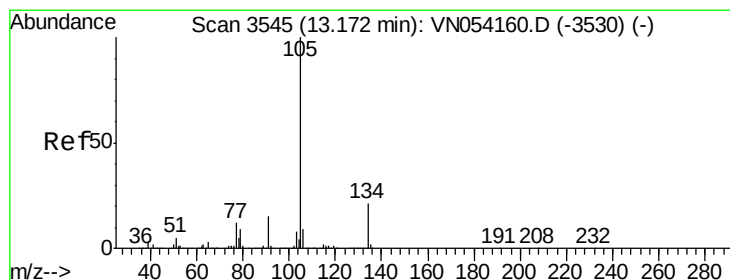
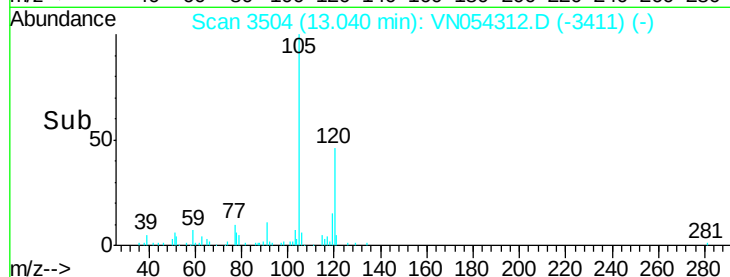
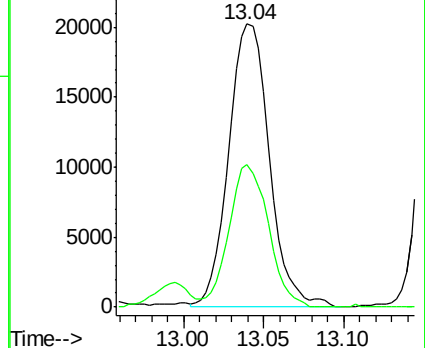
105 100

120 48.8 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 4.506 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054312.D

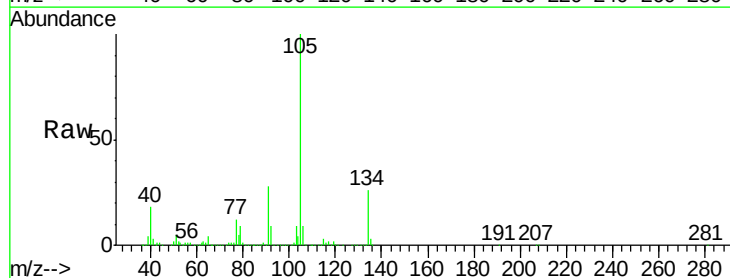
Acq: 15 Mar 2019 16:25

Tgt Ion:105 Resp: 378492

Ion Ratio Lower Upper

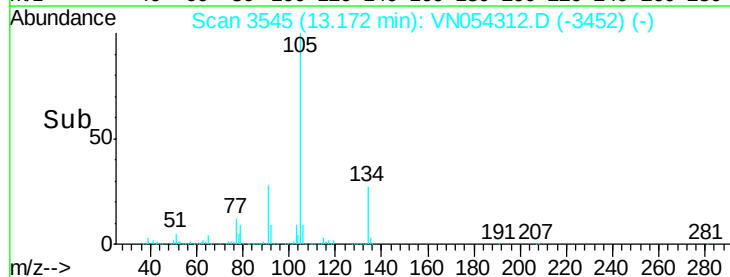
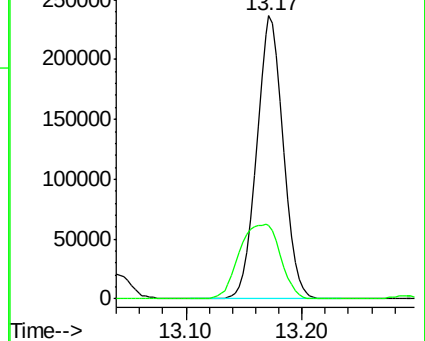
105 100

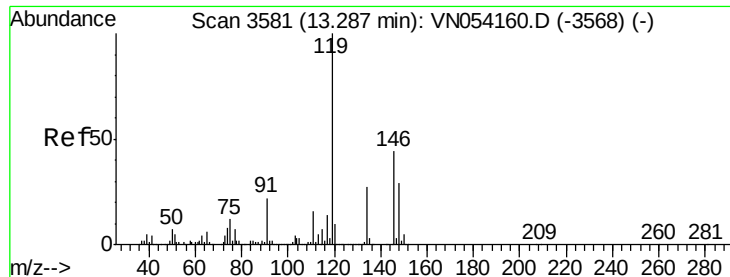
134 40.7 10.7 32.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

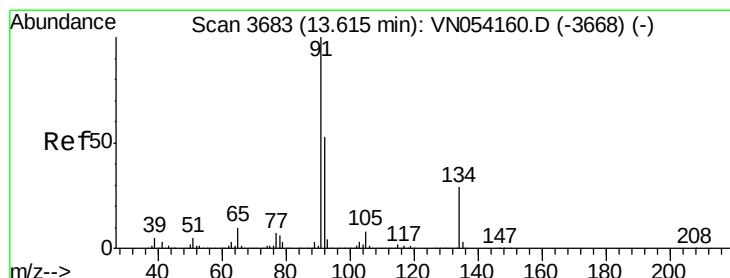
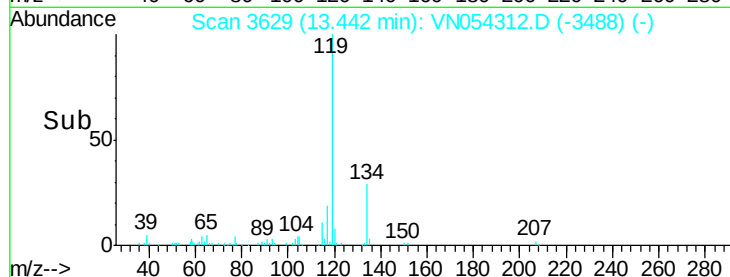
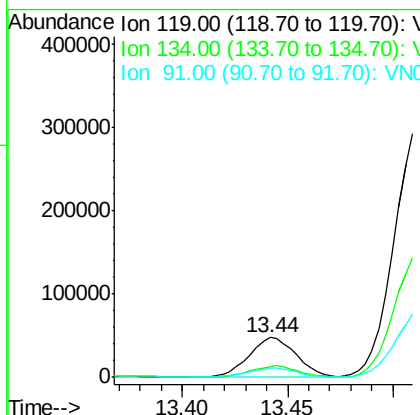
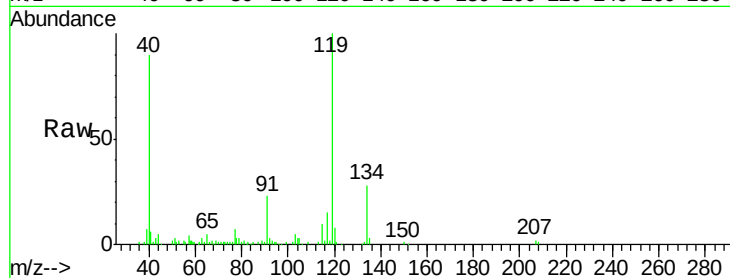




#86
 p-Isopropyltoluene
 Concen: 1.006 ug/l
 RT: 13.44 min Scan# 3629
 Delta R.T. 0.15 min
 Lab File: VN054312.D
 Acq: 15 Mar 2019 16:25

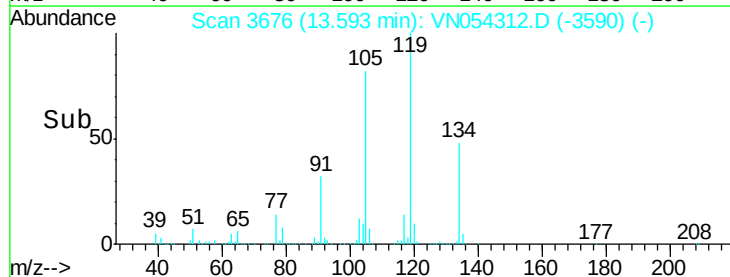
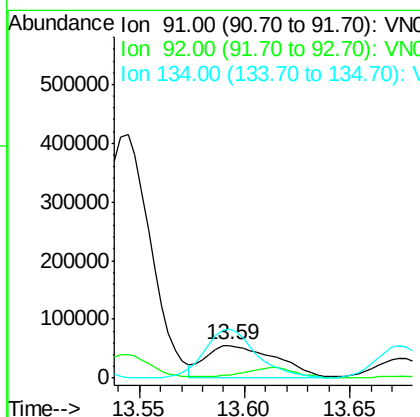
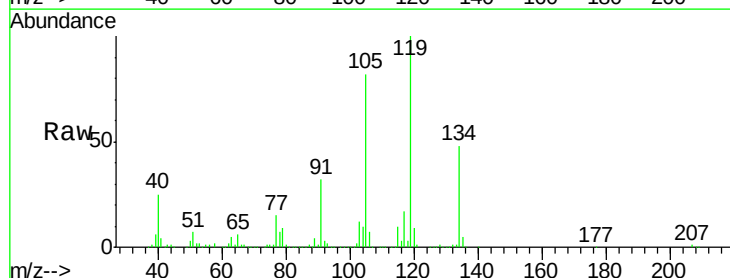
Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW06-GW

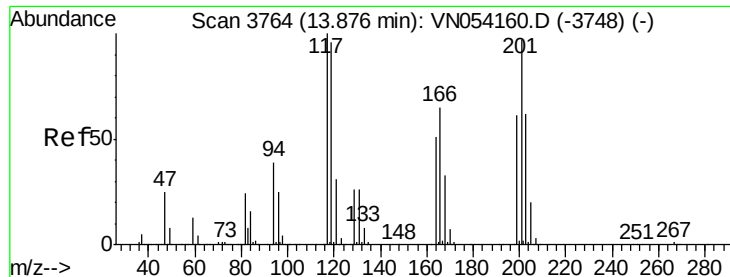
Tot Ion	Ratio	Lower	Upper
119	100		
134	29.5	13.6	40.8
91	0.0	11.1	33.3#



#89
 n-Butylbenzene
 Concen: 2.293 ug/l
 RT: 13.59 min Scan# 3676
 Delta R.T. -0.02 min
 Lab File: VN054312.D
 Acq: 15 Mar 2019 16:25

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.2	78.6#
134	111.7	14.3	42.9#





#90

Hexachloroethane

Concen: 11.230 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

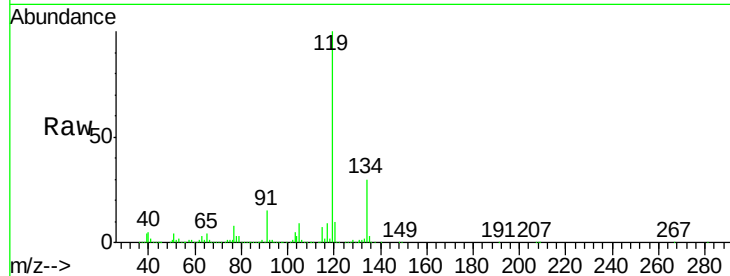
RFK-RMAB-MW06-GW

Tot Ion:117 Resp: 137013

Ion Ratio Lower Upper

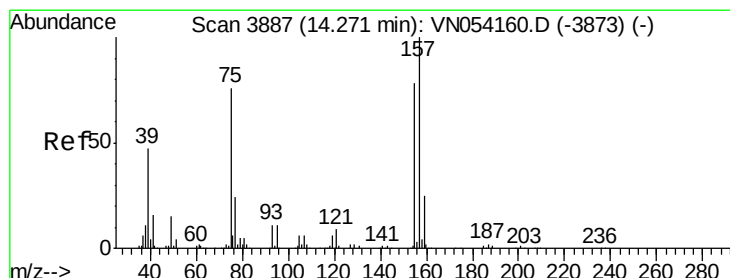
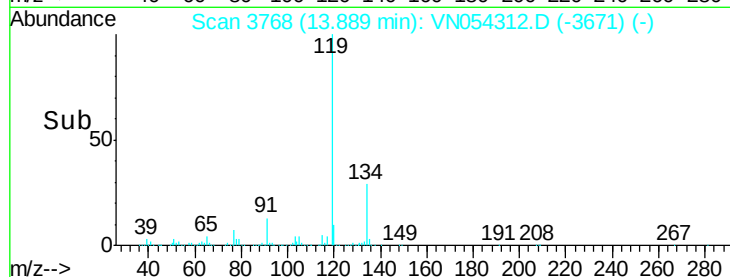
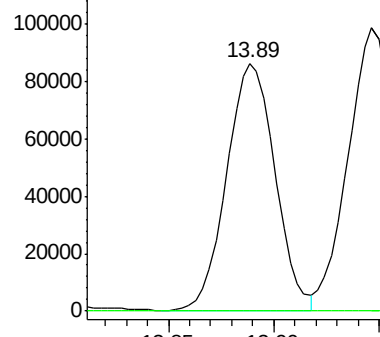
117 100

201 0.1 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.414 ug/l

RT: 14.28 min Scan# 3890

Delta R.T. 0.01 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

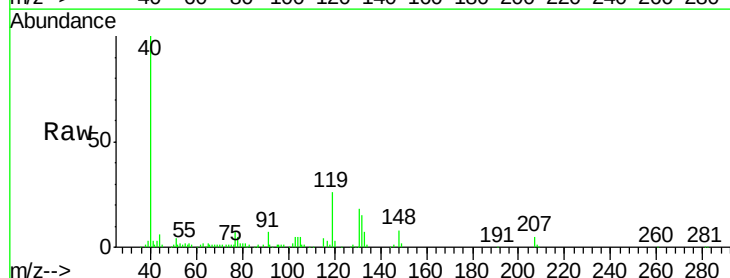
Tgt Ion: 75 Resp: 1155

Ion Ratio Lower Upper

75 100

155 15.9 50.1 150.3#

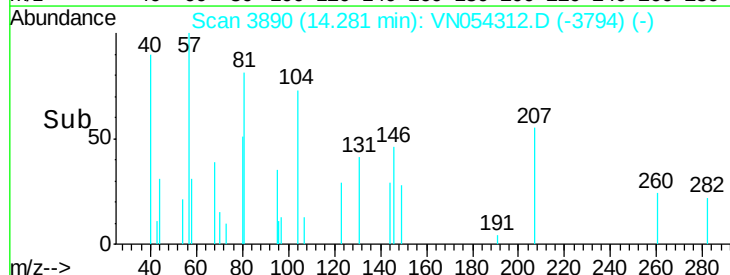
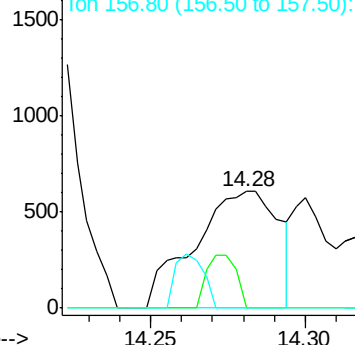
157 15.4 63.1 189.3#

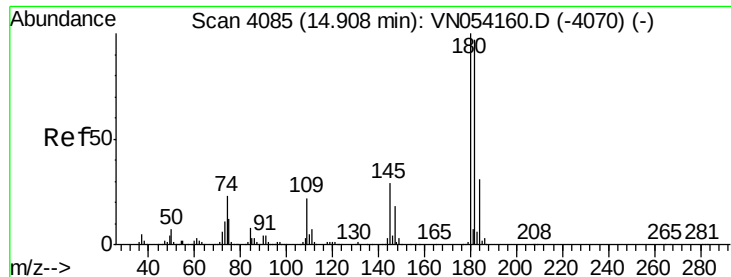


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 2.963 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW06-GW

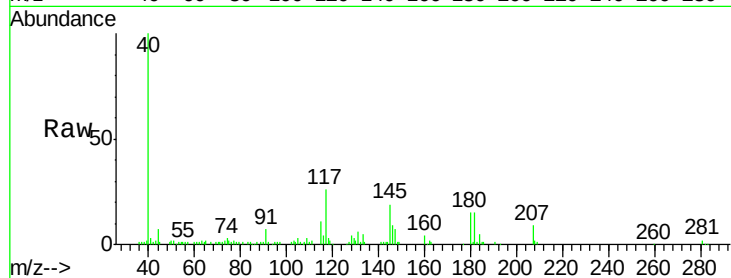
Tot Ion:180 Resp: 10466

Ion Ratio Lower Upper

180 100

182 93.4 48.0 144.2

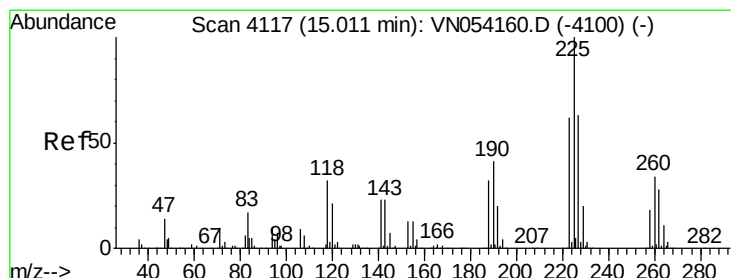
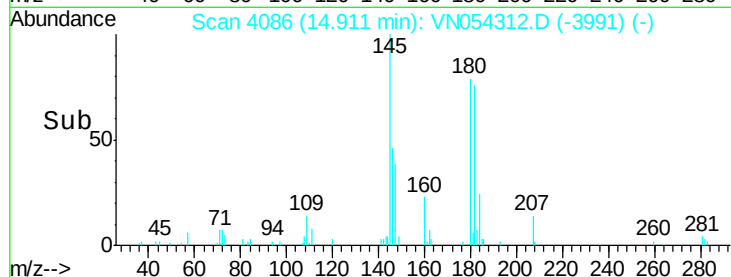
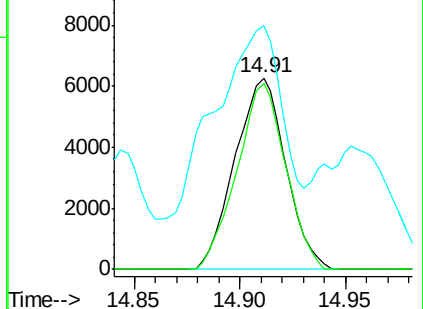
145 188.0 14.2 42.8#



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



#94

Hexachlorobutadiene

Concen: 0.206 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

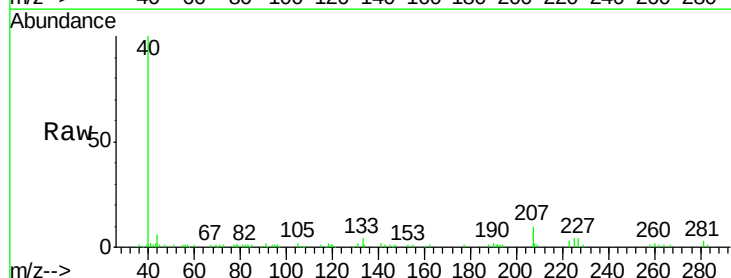
Tgt Ion:225 Resp: 2889

Ion Ratio Lower Upper

225 100

223 68.5 31.1 93.5

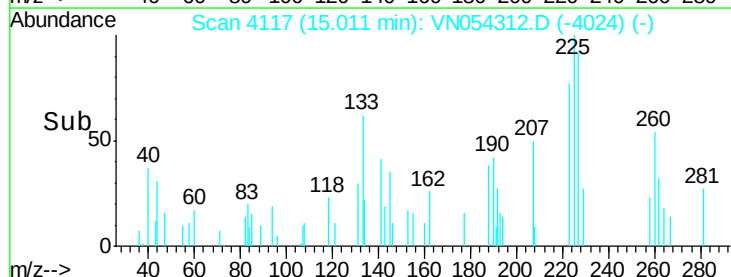
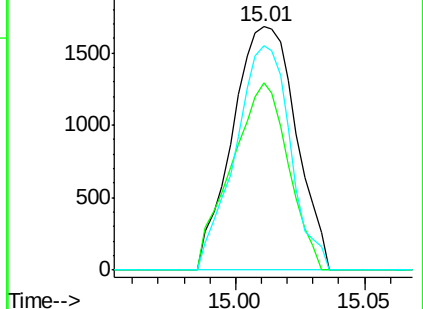
227 79.6 31.9 95.9

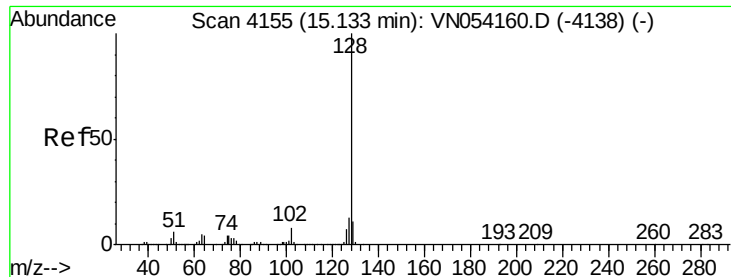


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 35.373 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW06-GW

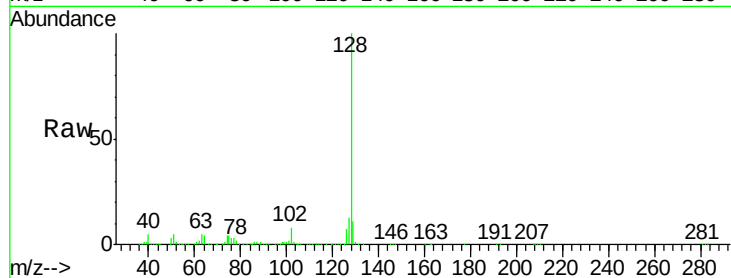
Tot Ion:128 Resp: 1589783

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

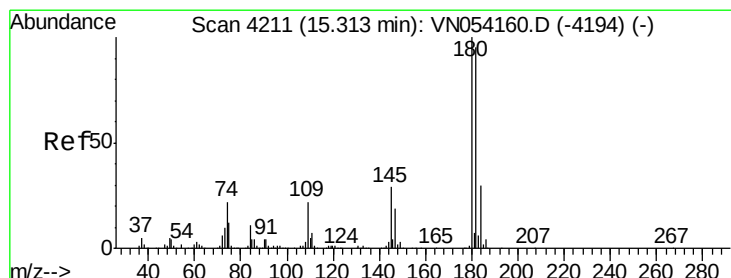
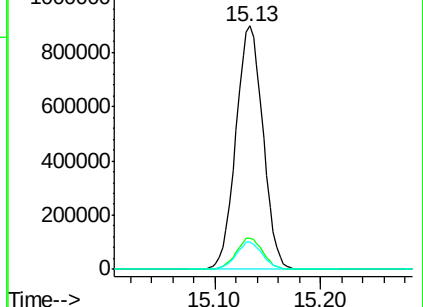
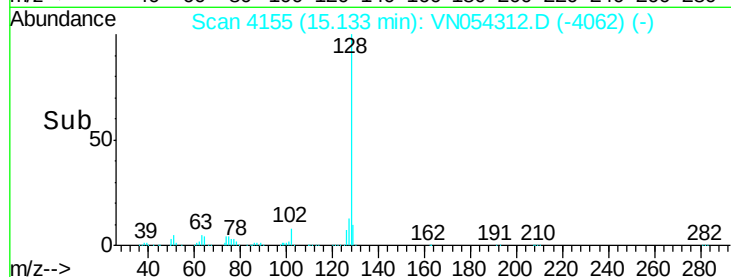
129 10.9 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 0.598 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN054312.D

Acq: 15 Mar 2019 16:25

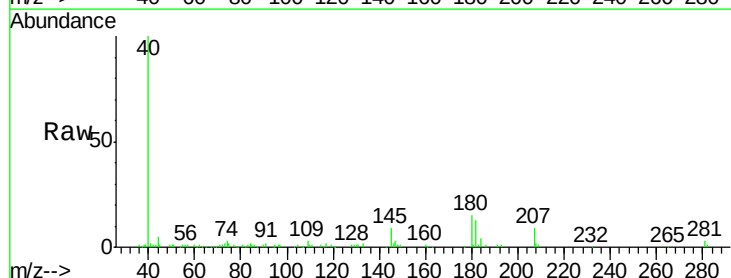
Tgt Ion:180 Resp: 11723

Ion Ratio Lower Upper

180 100

182 90.2 47.5 142.6

145 0.0 14.8 44.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

