

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
 Data File : VN058661.D
 Acq On : 9 Oct 2019 23:12
 Operator : JC/SP
 Sample : K5184-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7

Quant Time: Oct 10 04:43:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	462509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	739351	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	628161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	260685	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	315206	46.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.28%	
35) Dibromofluoromethane	7.57	113	231196	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
50) Toluene-d8	10.08	98	905222	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.40	95	299712	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	

Target Compounds					Qvalue	
3) Chloromethane	2.04	50	2938	0.527	ug/l	93
11) Tert butyl alcohol	4.75	59	453	0.603	ug/l #	71
13) Acrolein	3.54	56	8015	33.561	ug/l #	1
14) Allyl chloride	4.40	41	3419	0.431	ug/l #	1
15) Acrylonitrile	5.03	53	3634	1.661	ug/l #	37
16) Acetone	3.80	43	31843	13.821	ug/l #	79
18) Methyl Acetate	4.50	43	48608	8.388	ug/l #	53
19) Methyl tert-butyl Ether	5.02	73	6371	0.414	ug/l #	1
25) 2-Butanone	6.82	43	8517	2.692	ug/l	93
31) Cyclohexane	7.64	56	58062	6.207	ug/l #	86
36) 1,1-Dichloropropene	7.65	75	36935	5.224	ug/l #	50
37) Ethyl Acetate	6.82	43	8517	1.421	ug/l #	70
38) Carbon Tetrachloride	7.65	117	46249	7.247	ug/l #	15
39) Methylcyclohexane	9.07	83	39579	4.794	ug/l	95
40) Benzene	8.03	78	868946	42.760	ug/l	100
41) Methacrylonitrile	7.19	41	1489	0.540	ug/l #	43
43) Isopropyl Acetate	8.13	43	8963	0.795	ug/l #	63
47) Bromodichloromethane	9.38	83	2567	0.393	ug/l #	25
48) Methyl methacrylate	9.13	41	1911	0.372	ug/l #	24
52) Toluene	10.15	92	29644	2.318	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	6846	1.470	ug/l #	18
56) Ethyl methacrylate	10.43	69	2237	0.317	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.60	63	707	0.251	ug/l #	50
60) Dibromochloromethane	10.63	129	59	Below Cal	#	11
65) Chlorobenzene	11.43	112	4692	0.376	ug/l	91
67) Ethyl Benzene	11.51	91	30156	1.333	ug/l	95
68) m/p-Xylenes	11.62	106	40469	4.756	ug/l	95
69) o-Xylene	11.95	106	1901	0.232	ug/l	73
71) Bromoform	12.40	173	1516	1.209	ug/l #	1
73) Isopropylbenzene	12.25	105	116588	6.052	ug/l	97
76) 1,2,3-Trichloropropane	12.41	75	160151	33.635	ug/l #	100
78) n-propylbenzene	12.59	91	112555	5.186	ug/l	100
79) 2-Chlorotoluene	12.59	91	112555	8.402	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.69	105	8116	0.503	ug/l	69

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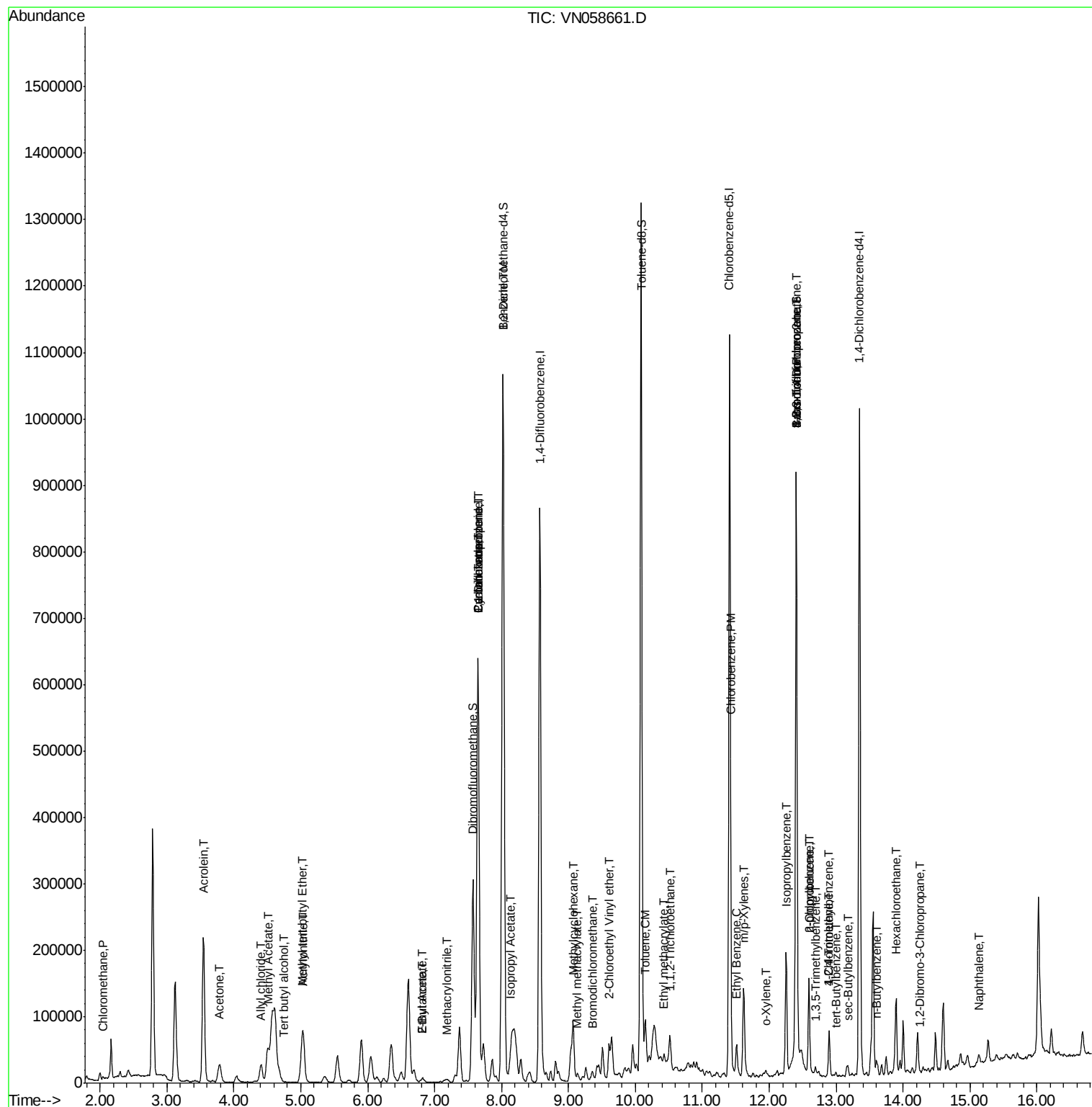
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	12.41	75	160151	102.154	ug/l #	7
82) 4-Chlorotoluene	12.90	91	5311	0.389	ug/l #	43
83) tert-Butylbenzene	13.00	119	3569	0.262	ug/l	96
84) 1,2,4-Trimethylbenzene	12.90	105	42608	2.637	ug/l	83
85) sec-Butylbenzene	13.18	105	7826	0.437	ug/l #	58
89) n-Butylbenzene	13.62	91	9037	0.633	ug/l #	78
90) Hexachloroethane	13.90	117	5244	2.214	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	250	0.249	ug/l #	5
95) Naphthalene	15.14	128	8690	0.653	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.30	180	67	Below Cal	#	1

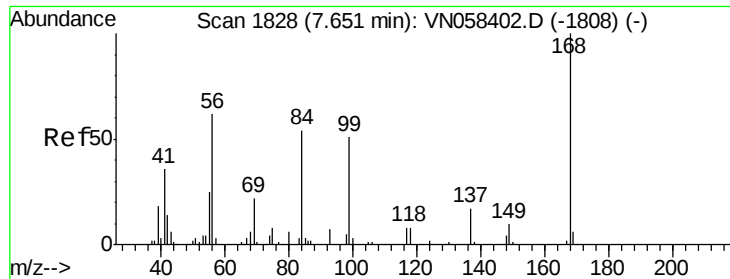
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058661.D

Acq: 9 Oct 2019 23:12

Instrument :

MSVOA_N

ClientSampled :

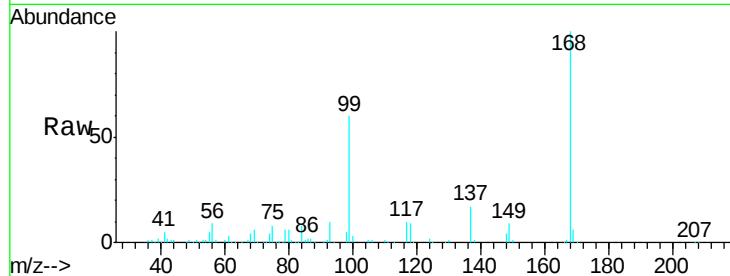
MW-7

Tgt Ion:168 Resp: 462509

Ion Ratio Lower Upper

168 100

99 60.4 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

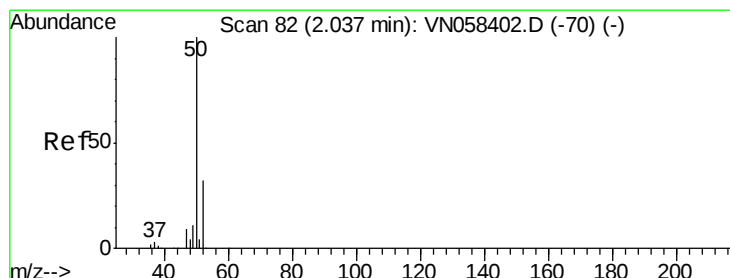
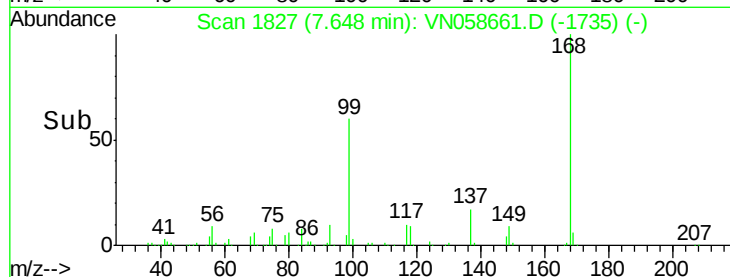
100000

50000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.527 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058661.D

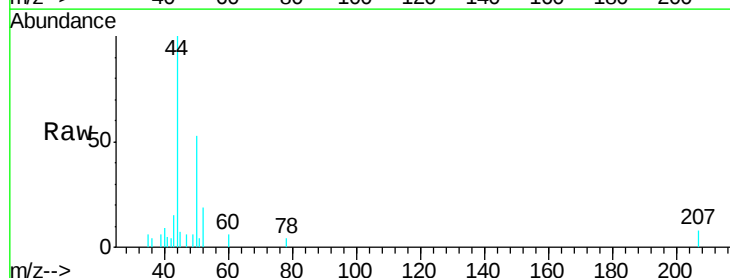
Acq: 9 Oct 2019 23:12

Tgt Ion: 50 Resp: 2938

Ion Ratio Lower Upper

50 100

52 36.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2500

2000

1500

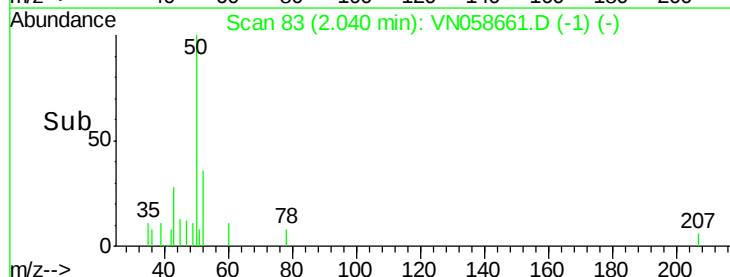
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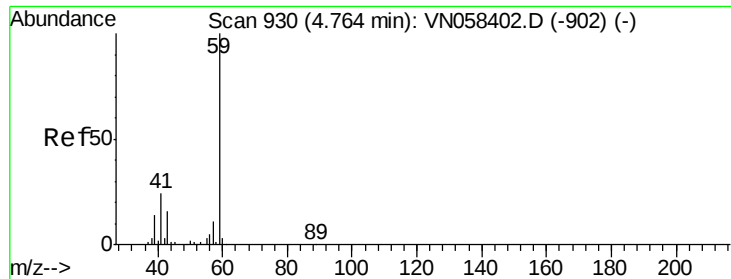
500

0

2.00 2.05

Time-->



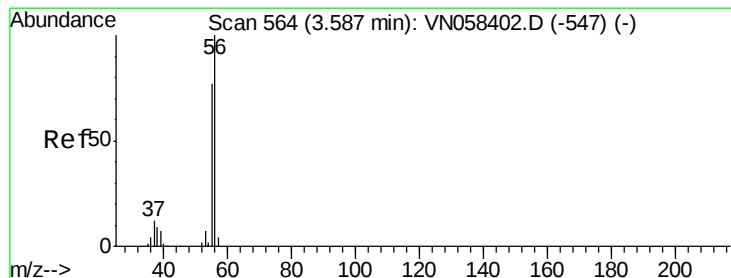
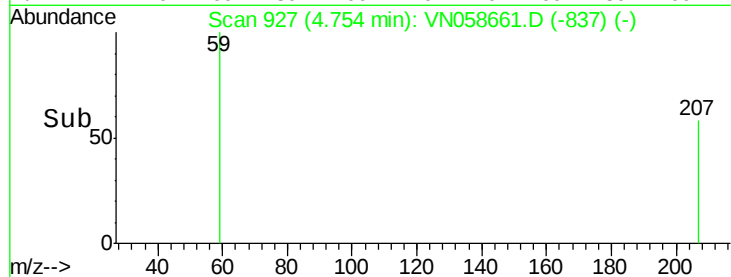
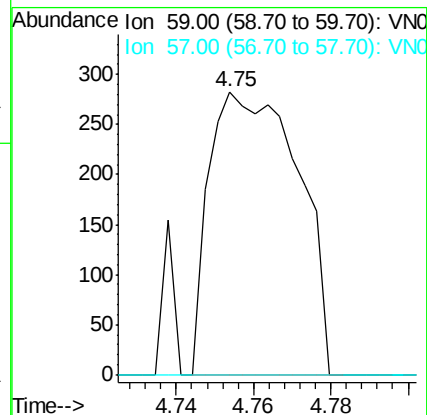
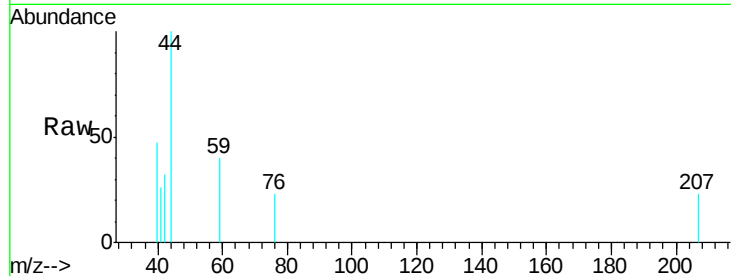


#11

Tert butyl alcohol
 Concen: 0.603 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN058661.D
 Acq: 9 Oct 2019 23:12

Instrument :
 MSVOA_N
 ClientSampled :
 MW-7

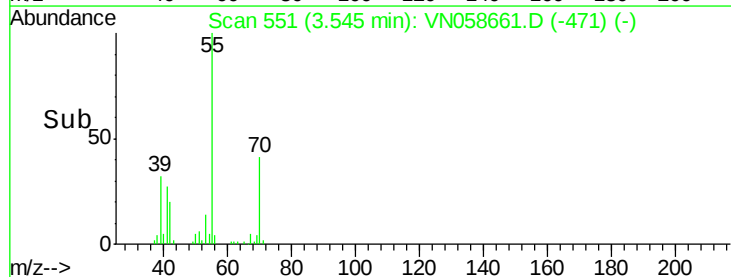
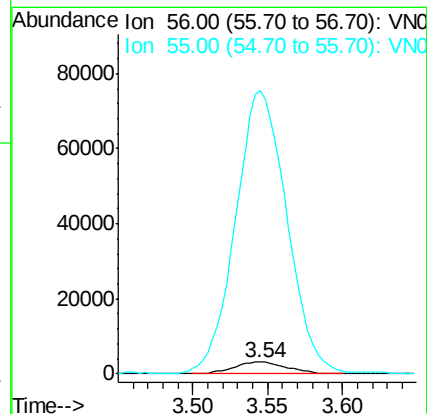
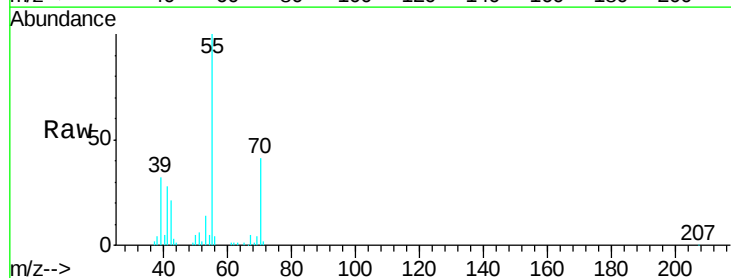
Tgt Ion: 59 Resp: 453
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

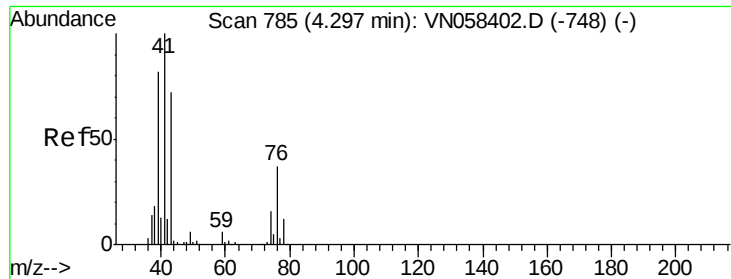


#13

Acrolein
 Concen: 33.561 ug/l
 RT: 3.54 min Scan# 551
 Delta R.T. -0.04 min
 Lab File: VN058661.D
 Acq: 9 Oct 2019 23:12

Tgt Ion: 56 Resp: 8015
 Ion Ratio Lower Upper
 56 100
 55 2265.6 58.3 87.5#

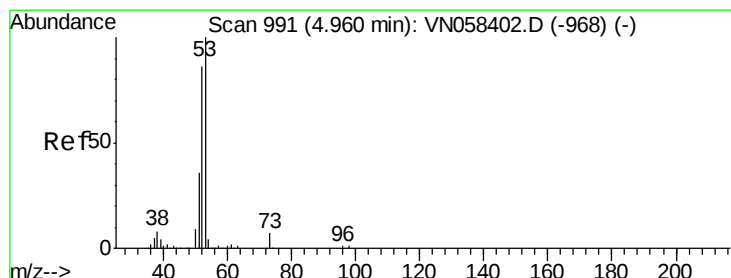
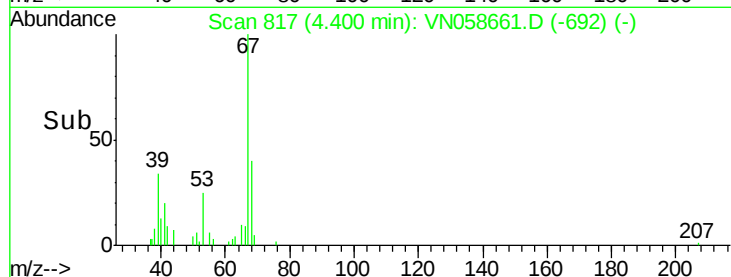
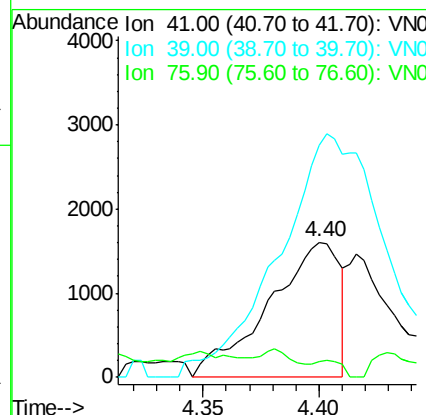
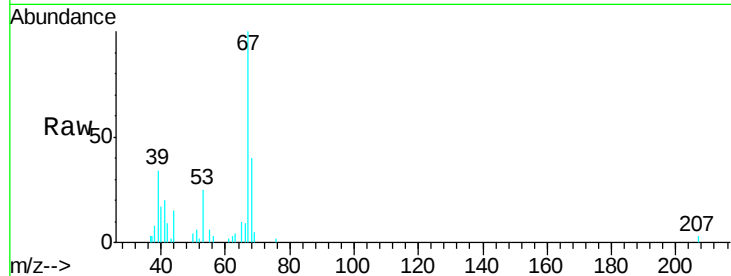




#14
 Allyl chloride
 Concen: 0.431 ug/l
 RT: 4.40 min Scan# 817
 Delta R.T. 0.10 min
 Lab File: VN058661.D
 Acq: 9 Oct 2019 23:12

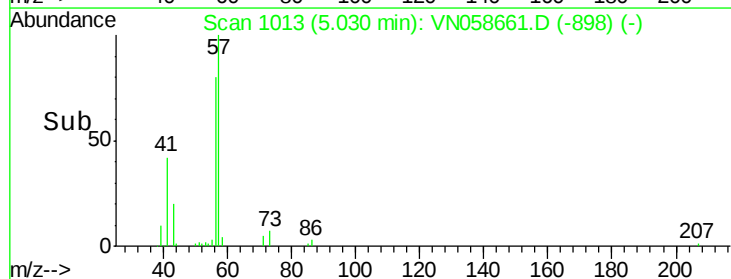
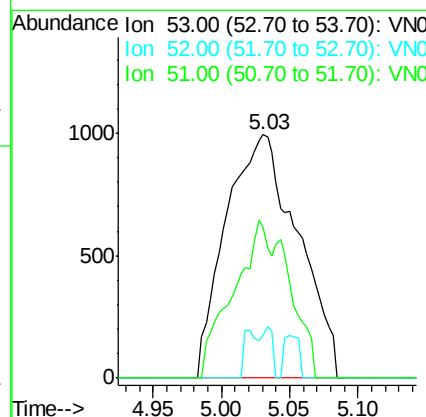
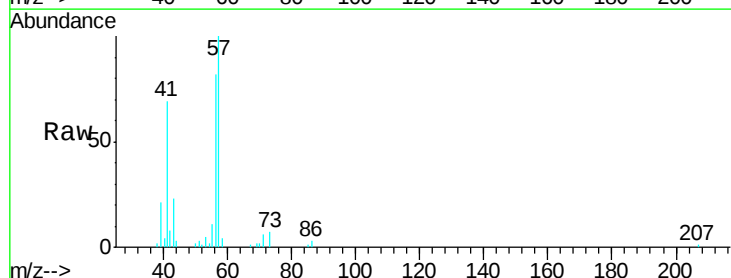
Instrument :
 MSVOA_N
 ClientSampled :
 MW-7

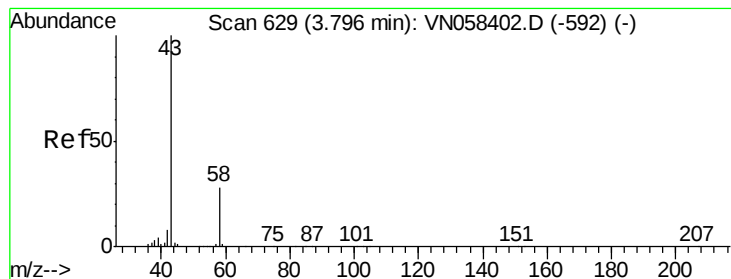
Tgt Ion: 41 Resp: 3419
 Ion Ratio Lower Upper
 41 100
 39 272.0 62.3 93.5#
 76 4.2 26.9 40.3#



#15
 Acrylonitrile
 Concen: 1.661 ug/l
 RT: 5.03 min Scan# 1013
 Delta R.T. 0.07 min
 Lab File: VN058661.D
 Acq: 9 Oct 2019 23:12

Tgt Ion: 53 Resp: 3634
 Ion Ratio Lower Upper
 53 100
 52 3.1 66.6 100.0#
 51 33.5 29.8 44.8





#16

Acetone

Concen: 13.821 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058661.D

Acq: 9 Oct 2019 23:12

Instrument :

MSVOA_N

ClientSampled :

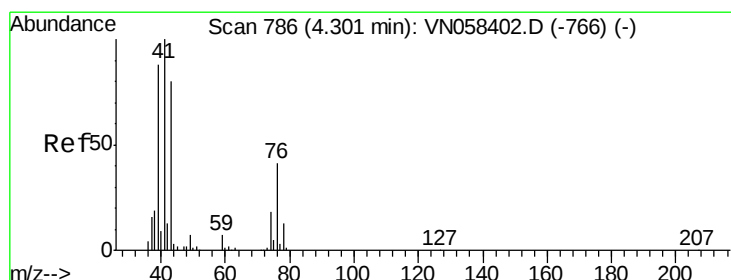
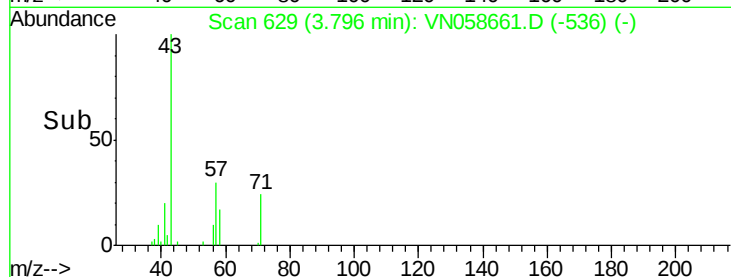
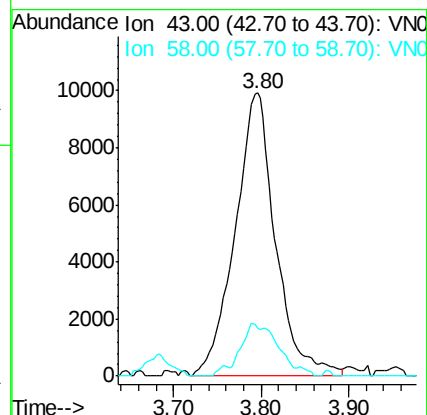
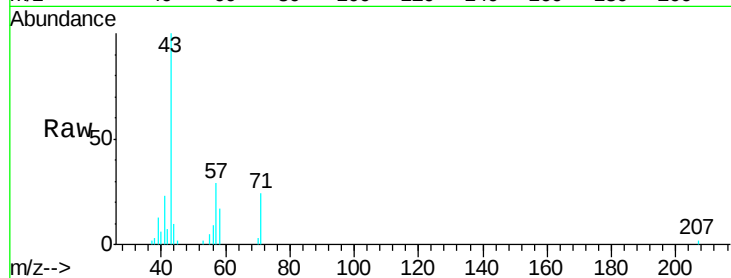
MW-7

Tgt Ion: 43 Resp: 31843

Ion Ratio Lower Upper

43 100

58 16.8 22.4 33.6#



#18

Methyl Acetate

Concen: 8.388 ug/l

RT: 4.50 min Scan# 849

Delta R.T. 0.20 min

Lab File: VN058661.D

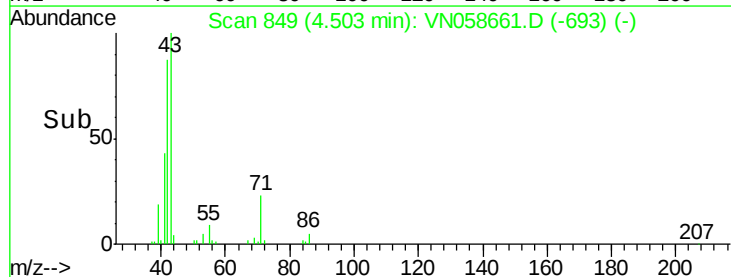
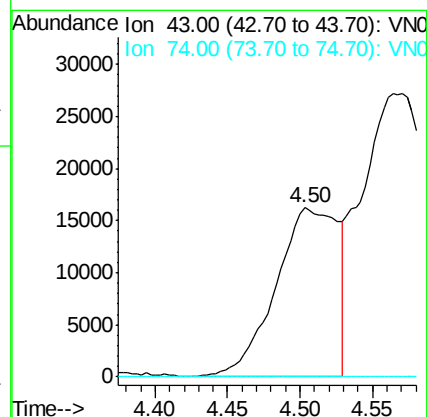
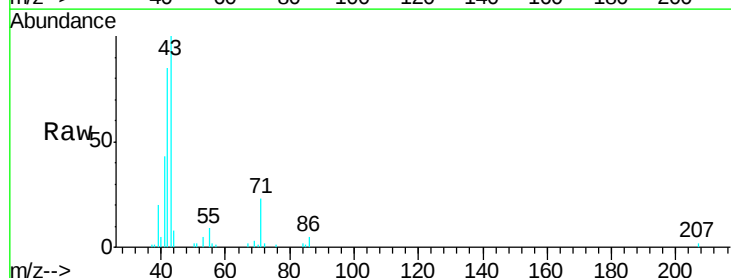
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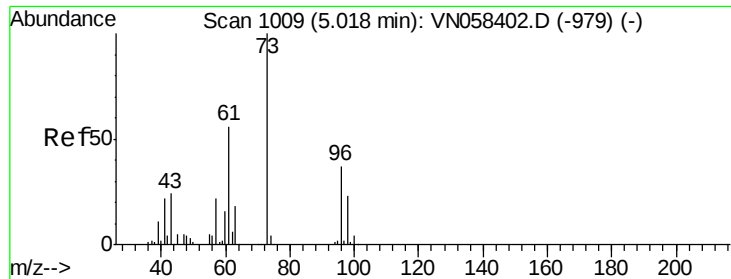
Tgt Ion: 43 Resp: 48608

Ion Ratio Lower Upper

43 100

74 0.0 18.0 27.0#

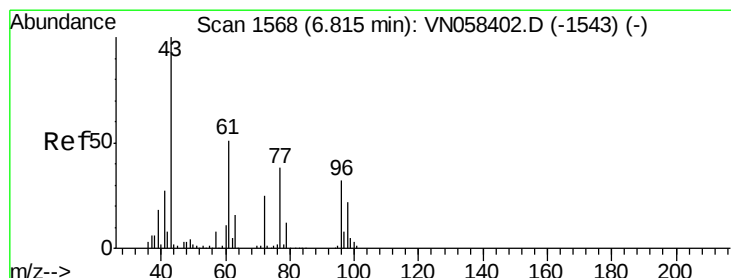
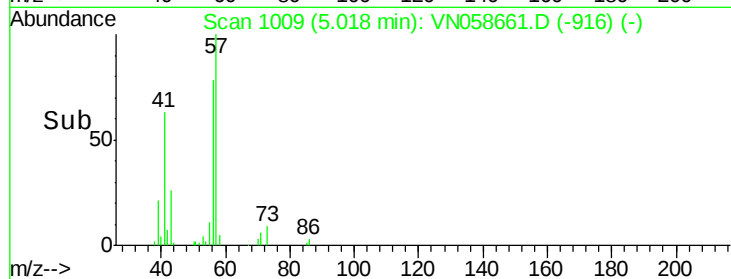
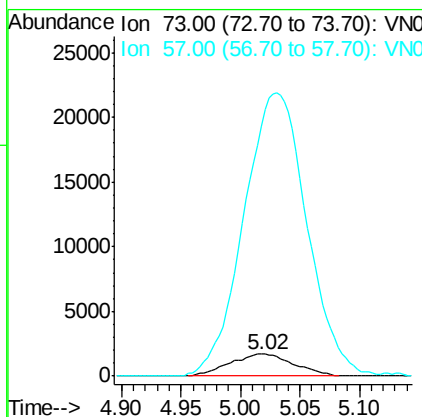
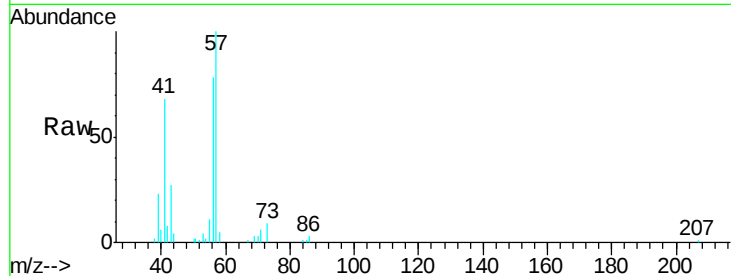




#19
Methyl tert-butyl Ether
Concen: 0.414 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058661.D
Acq: 9 Oct 2019 23:12

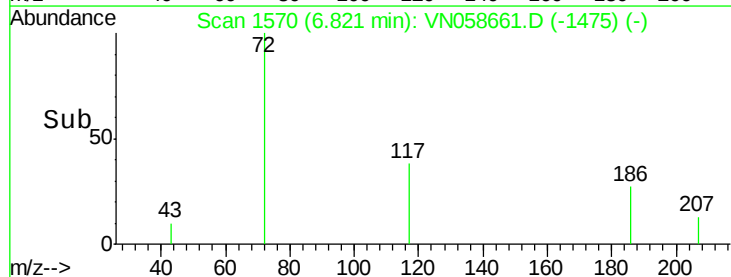
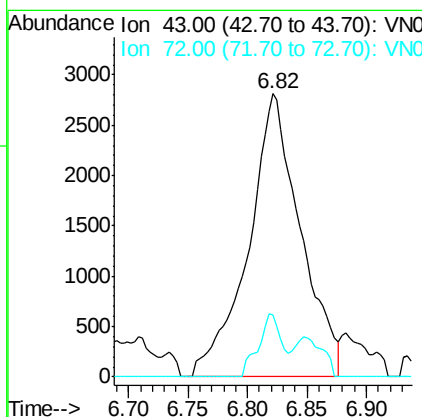
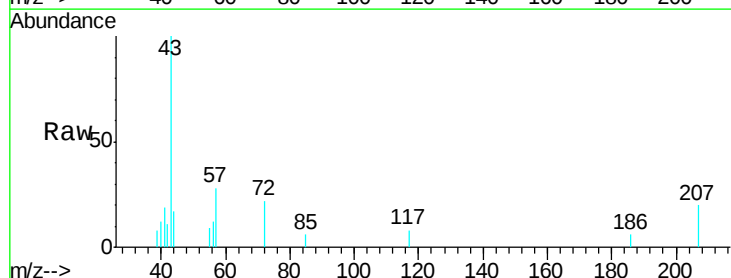
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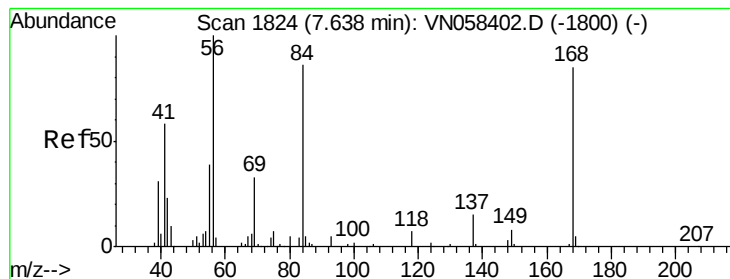
Tgt Ion: 73 Resp: 6371
Ion Ratio Lower Upper
73 100
57 1121.5 17.6 26.4#



#25
2-Butanone
Concen: 2.692 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN058661.D
Acq: 9 Oct 2019 23:12

Tgt Ion: 43 Resp: 8517
Ion Ratio Lower Upper
43 100
72 21.8 20.2 30.4





#31

Cyclohexane

Concen: 6.207 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058661.D

Acq: 9 Oct 2019 23:12

Instrument :

MSVOA_N

ClientSampled :

MW-7

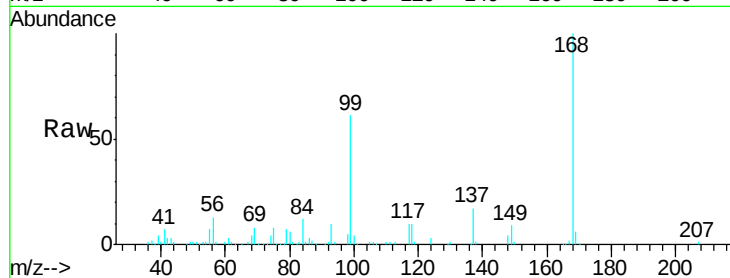
Tgt Ion: 56 Resp: 58062

Ion Ratio Lower Upper

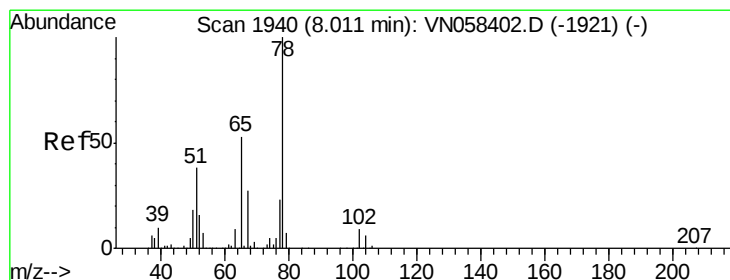
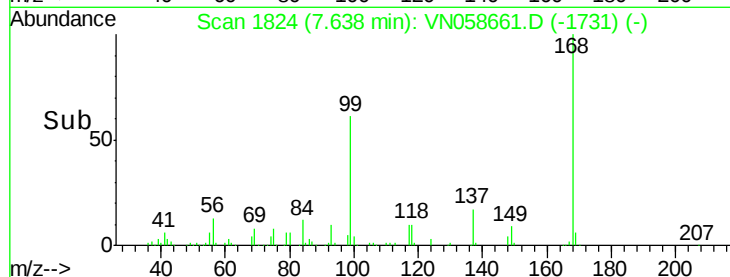
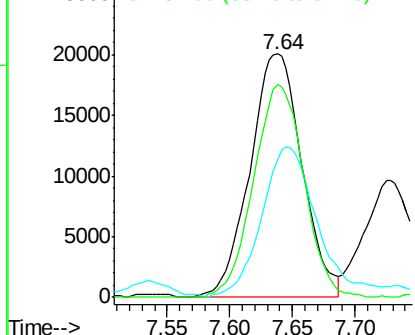
56 100

69 55.8 26.2 39.4#

84 87.4 67.6 101.4



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



#33

1,2-Dichloroethane-d4

Concen: 46.636 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058661.D

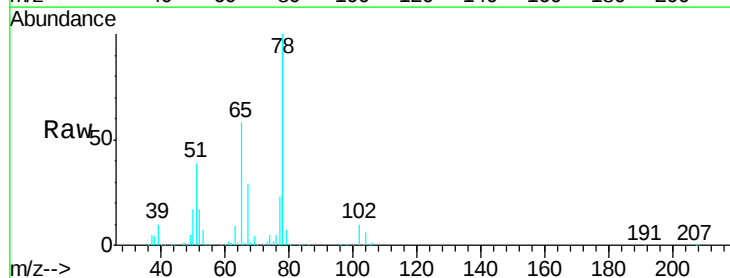
Acq: 9 Oct 2019 23:12

Tgt Ion: 65 Resp: 315206

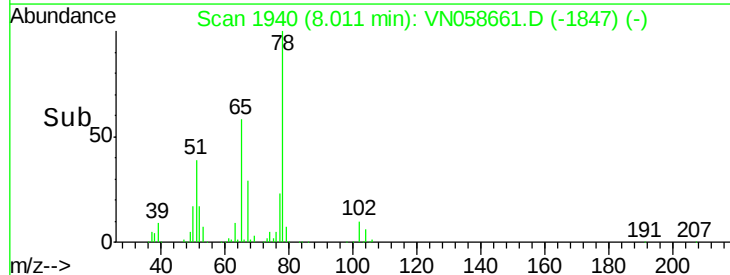
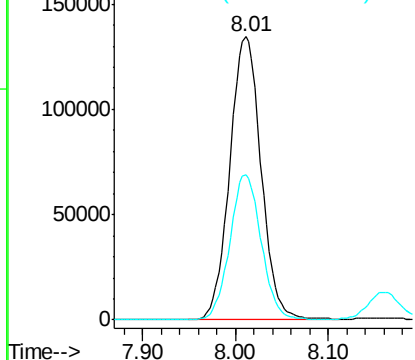
Ion Ratio Lower Upper

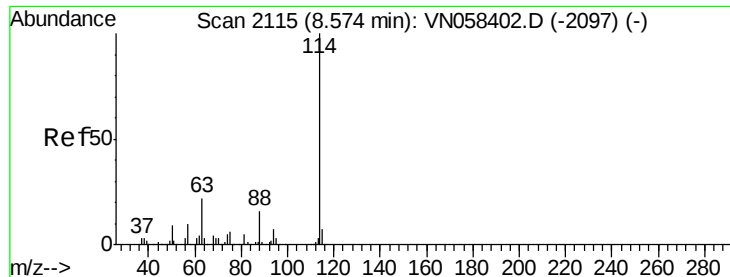
65 100

67 51.5 0.0 102.4



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

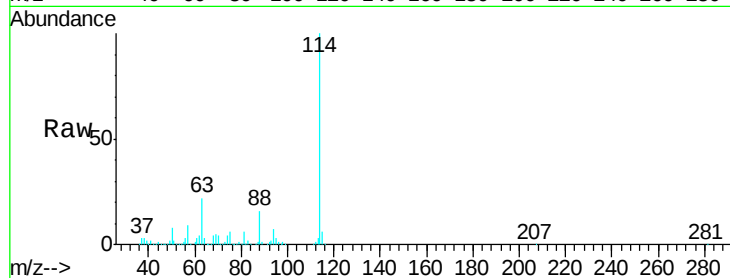




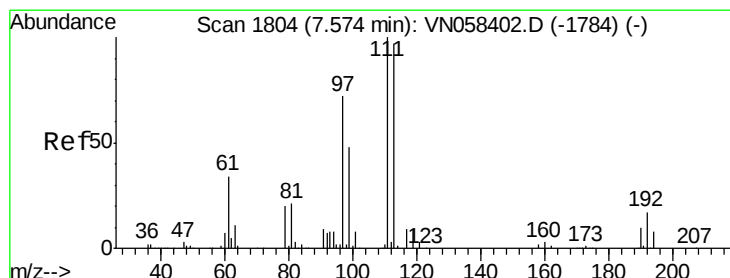
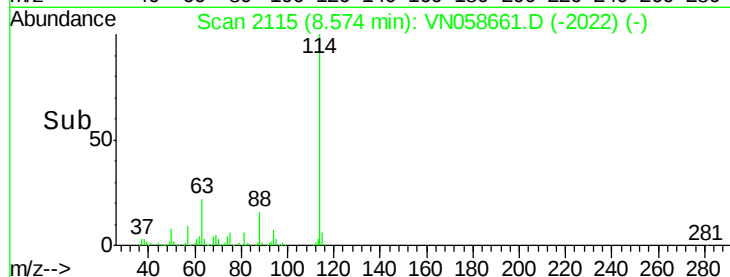
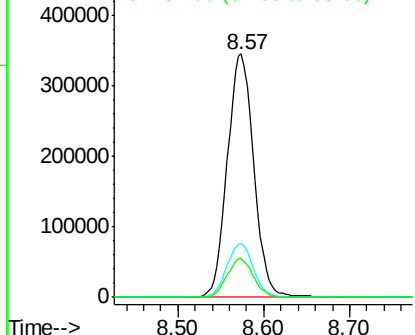
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058661.D
 Acq: 9 Oct 2019 23:12

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7

Tgt Ion:114 Resp: 739351
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 45.0
 88 15.8 0.0 32.2

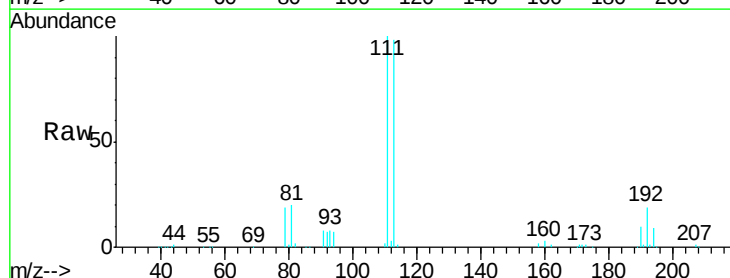


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

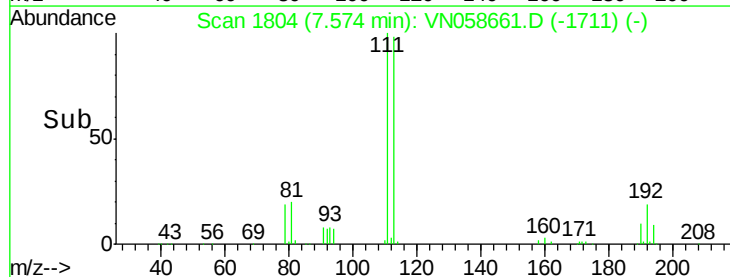
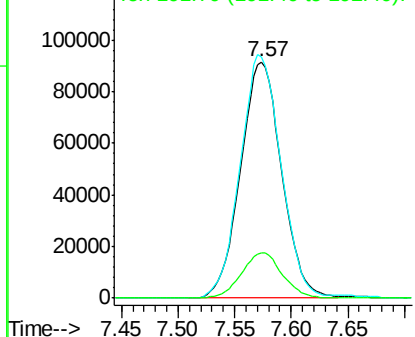


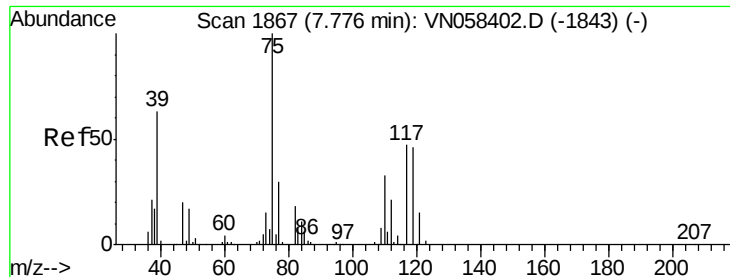
#35
 Dibromofluoromethane
 Concen: 51.021 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058661.D
 Acq: 9 Oct 2019 23:12

Tgt Ion:113 Resp: 231196
 Ion Ratio Lower Upper
 113 100
 111 103.3 83.4 125.2
 192 19.0 14.9 22.3



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

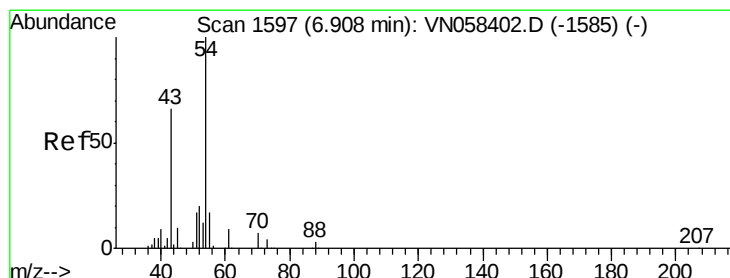
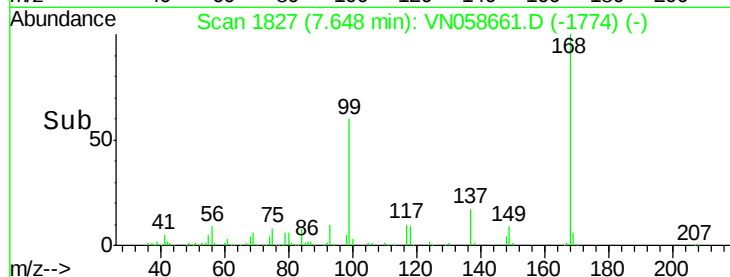
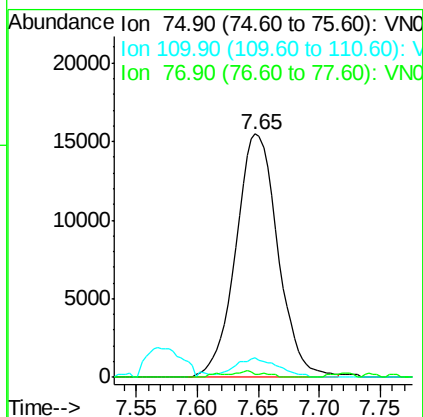
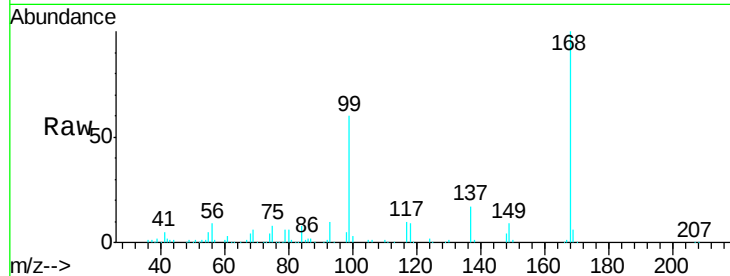




#36
 1,1-Dichloropropene
 Concen: 5.224 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058661.D
 Acq: 9 Oct 2019 23:12

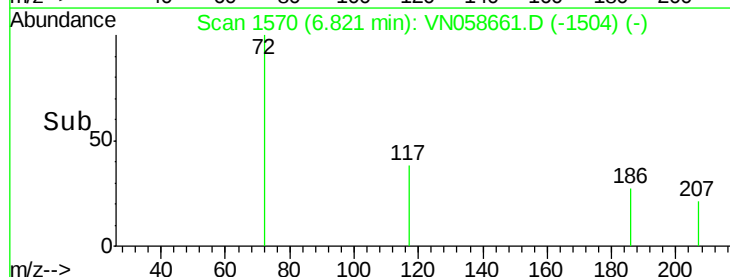
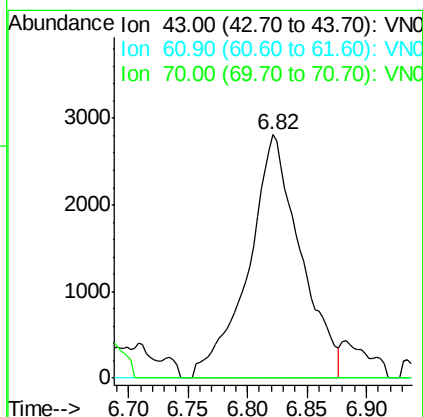
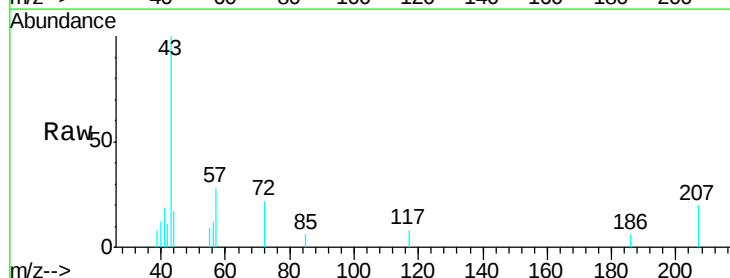
Instrument :
 MSVOA_N
 ClientSampled :
 MW-7

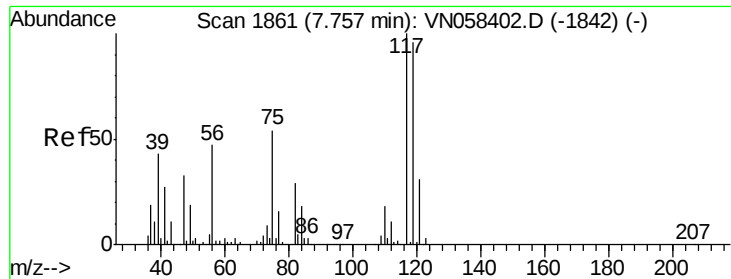
Tgt Ion: 75 Resp: 36935
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.4 49.2#
 77 0.0 24.3 36.5#



#37
 Ethyl Acetate
 Concen: 1.421 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.09 min
 Lab File: VN058661.D
 Acq: 9 Oct 2019 23:12

Tgt Ion: 43 Resp: 8517
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.5 15.7#
 70 0.0 7.8 11.6#





#38

Carbon Tetrachloride

Concen: 7.247 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058661.D

Acq: 9 Oct 2019 23:12

Instrument :

MSVOA_N

ClientSampled :

MW-7

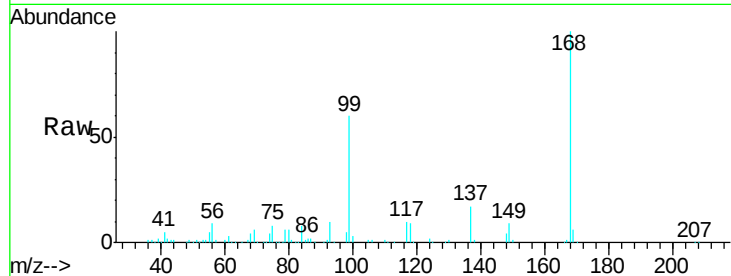
Tgt Ion:117 Resp: 46249

Ion Ratio Lower Upper

117 100

119 4.2 76.6 115.0#

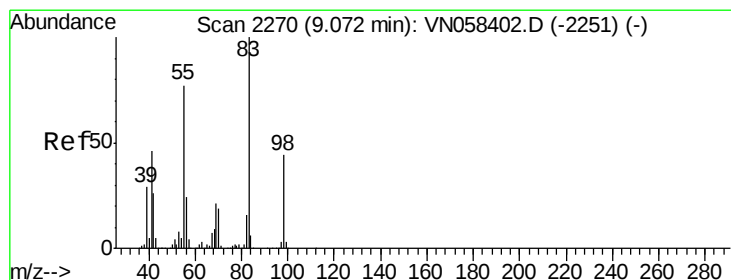
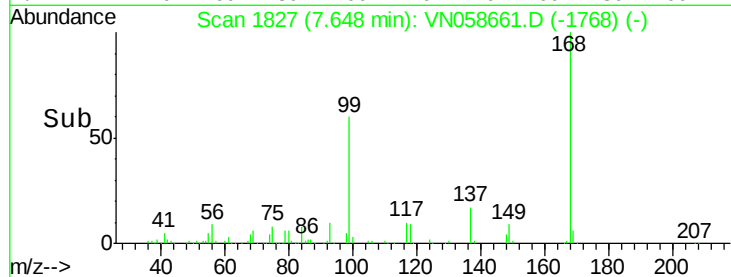
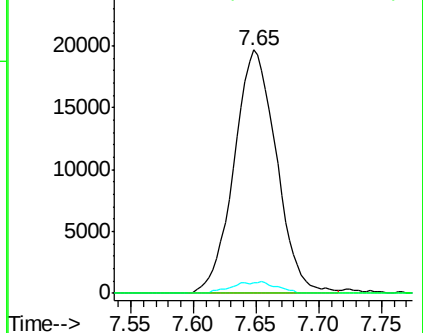
121 0.0 24.7 37.1#



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: 4.794 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN058661.D

Acq: 9 Oct 2019 23:12

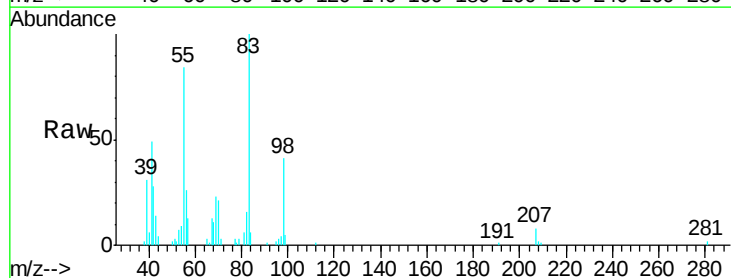
Tgt Ion: 83 Resp: 39579

Ion Ratio Lower Upper

83 100

55 81.5 61.8 92.6

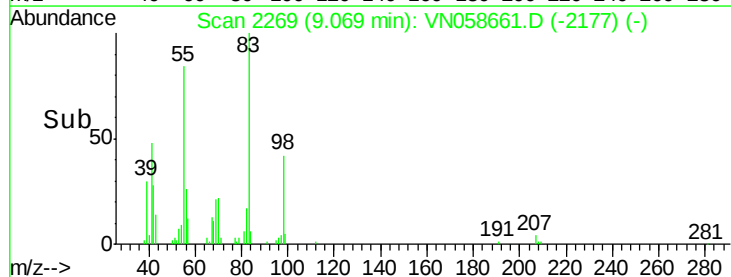
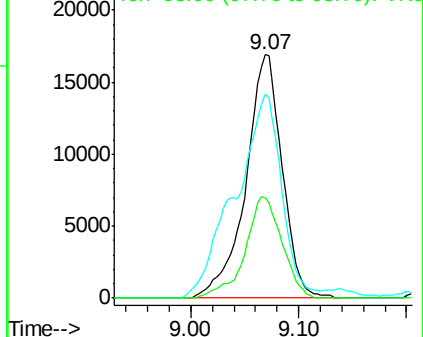
98 41.2 35.4 53.0

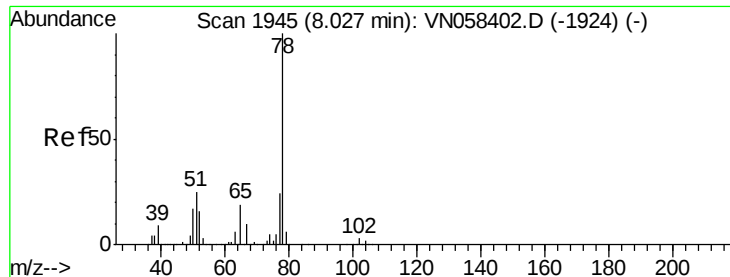


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#40

Benzene

Concen: 42.760 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN058661.D

Acq: 9 Oct 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

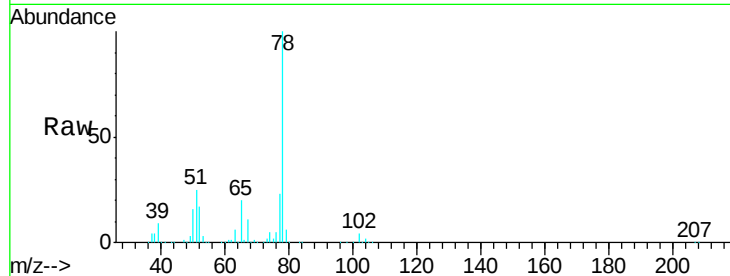
MW-7

Tgt Ion: 78 Resp: 868946

Ion Ratio Lower Upper

78 100

77 23.4 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VN058402.D (-1924) (-)

Ion 77.00 (76.70 to 77.70): VN058402.D (-1924) (-)

8.03

400000

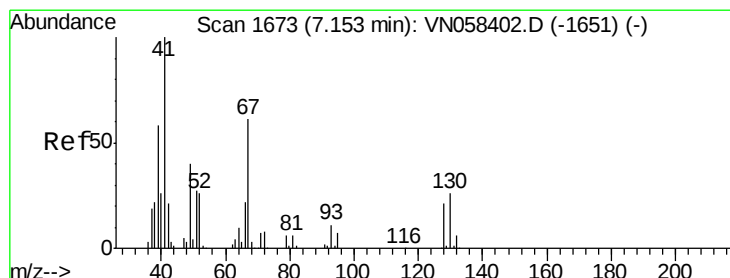
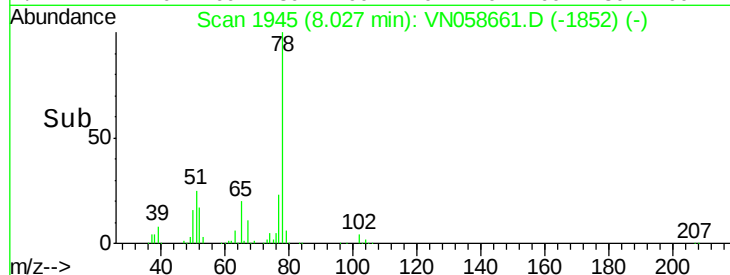
300000

200000

100000

0

Time-->



#41

Methacrylonitrile

Concen: 0.540 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.04 min

Lab File: VN058661.D

Acq: 9 Oct 2019 23:12

Tgt Ion: 41 Resp: 1489

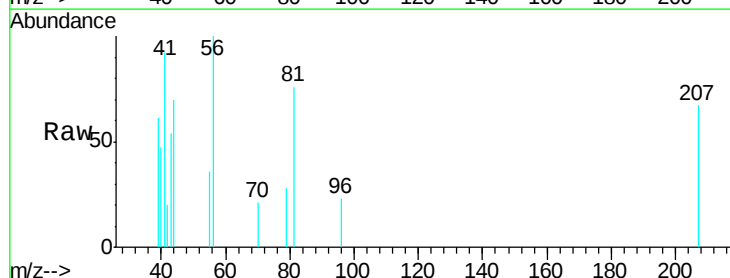
Ion Ratio Lower Upper

41 100

39 63.2 50.2 75.4

67 0.0 70.2 105.4#

52 0.0 31.4 47.0#



Abundance Ion 41.00 (40.70 to 41.70): VN058402.D (-1651) (-)

Ion 39.00 (38.70 to 39.70): VN058402.D (-1651) (-)

Ion 67.00 (66.70 to 67.70): VN058402.D (-1651) (-)

Ion 52.00 (51.70 to 52.70): VN058402.D (-1651) (-)

7.19

1000

800

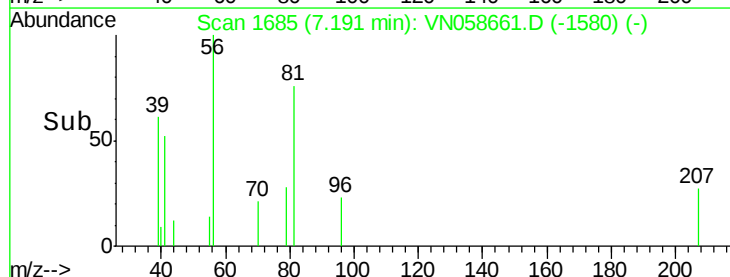
600

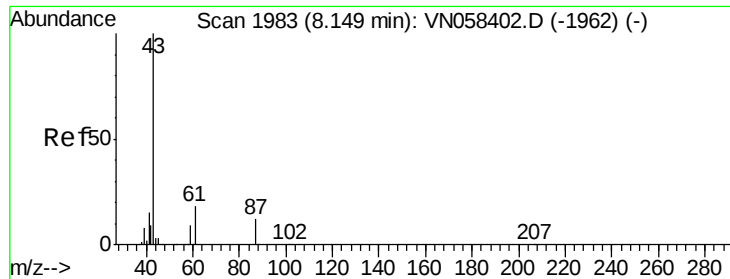
400

200

0

Time-->





#43

Isopropyl Acetate

Concen: 0.795 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. -0.02 min

Lab File: VN058661.D

Acq: 9 Oct 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

MW-7

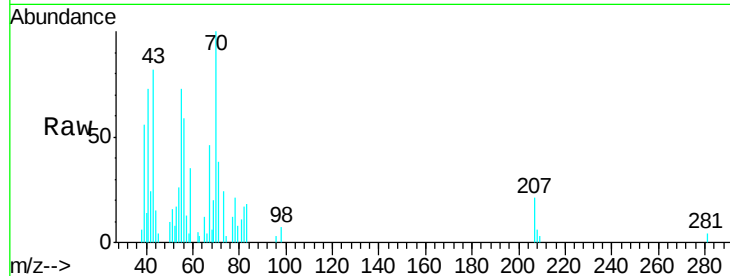
Tgt Ion: 43 Resp: 8963

Ion Ratio Lower Upper

43 100

61 0.0 14.8 22.2#

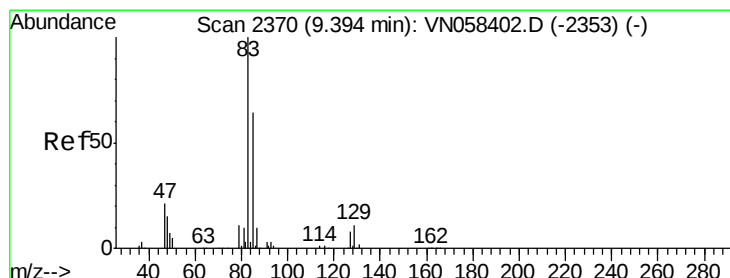
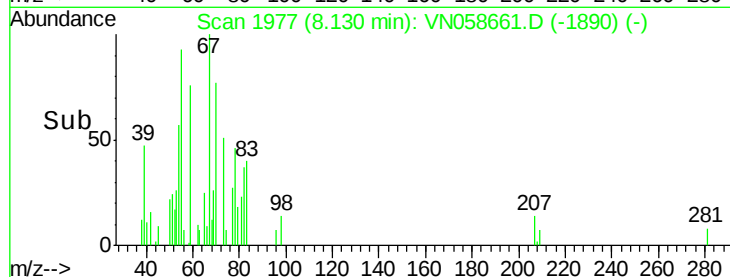
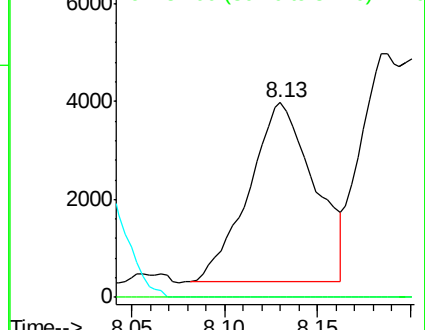
87 0.0 9.7 14.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#47

Bromodichloromethane

Concen: 0.393 ug/l

RT: 9.38 min Scan# 2365

Delta R.T. -0.02 min

Lab File: VN058661.D

Acq: 9 Oct 2019 23:12

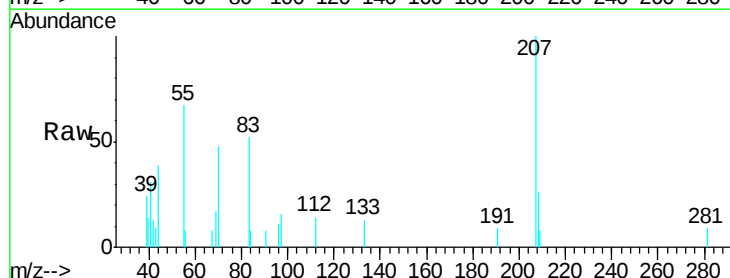
Tgt Ion: 83 Resp: 2567

Ion Ratio Lower Upper

83 100

85 0.0 51.2 76.8#

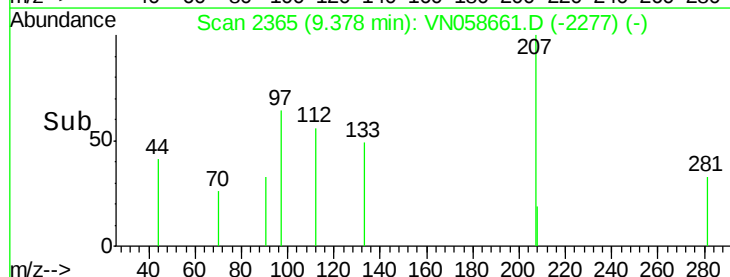
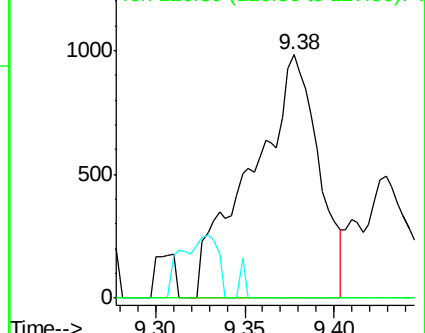
127 0.0 6.3 9.5#

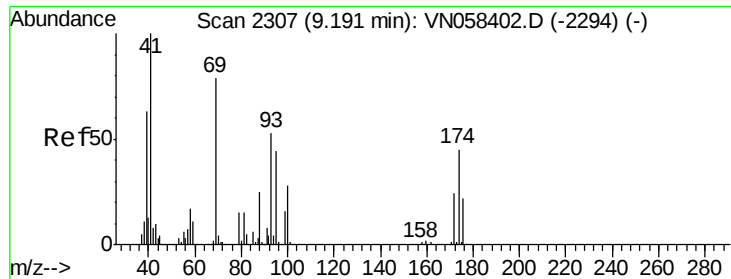


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

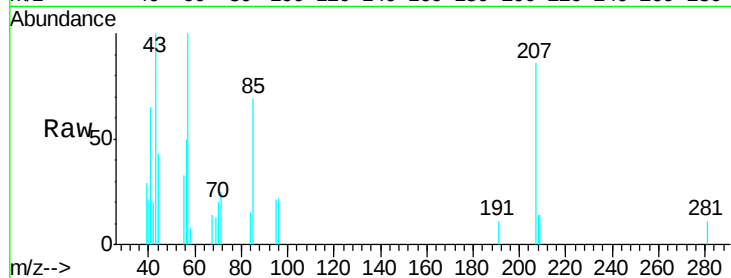




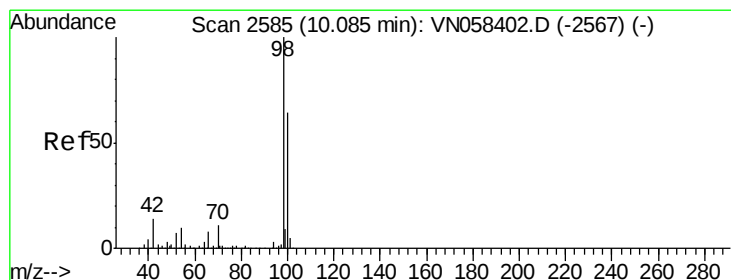
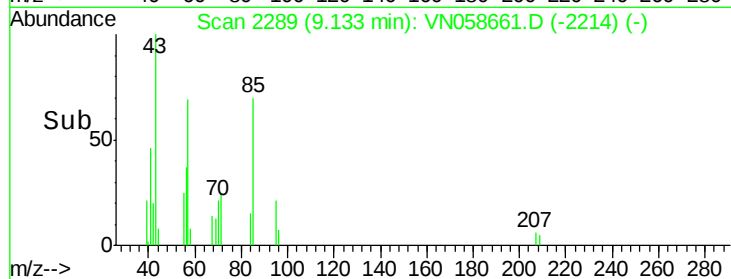
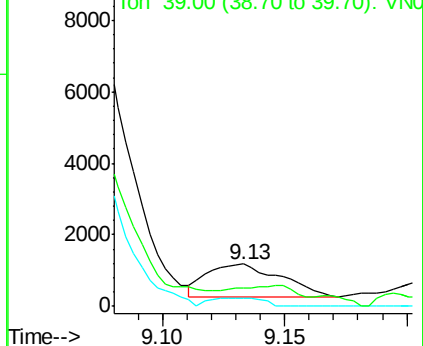
#48
Methyl methacrylate
Concen: 0.372 ug/l
RT: 9.13 min Scan# 2289
Delta R.T. -0.06 min
Lab File: VN058661.D
Acq: 9 Oct 2019 23:12

Instrument :
MSVOA_N
ClientSampled :
MW-7

Tgt Ion: 41 Resp: 1911
Ion Ratio Lower Upper
41 100
69 19.1 64.7 97.1#
39 0.0 52.9 79.3#

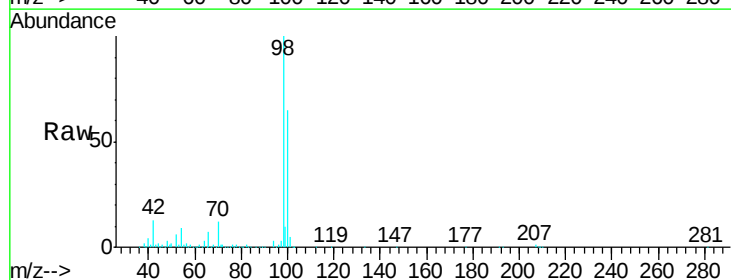


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

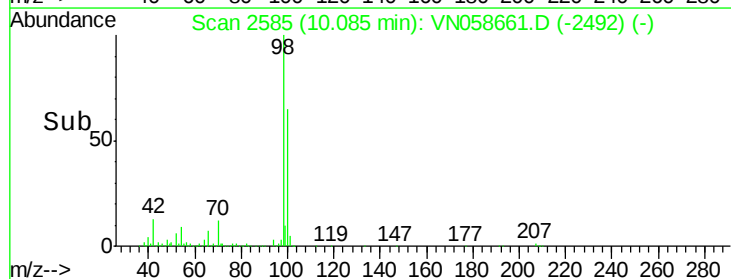
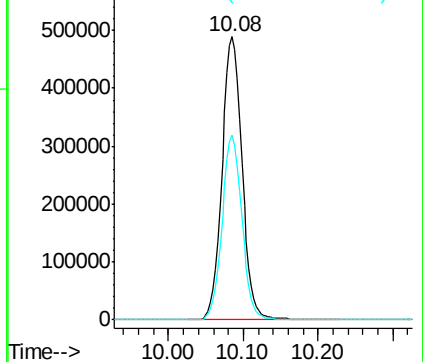


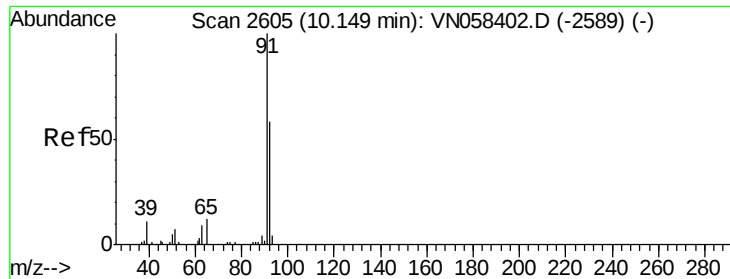
#50
Toluene-d8
Concen: 50.994 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058661.D
Acq: 9 Oct 2019 23:12

Tgt Ion: 98 Resp: 905222
Ion Ratio Lower Upper
98 100
100 64.4 51.0 76.6



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





#52

Toluene

Concen: 2.318 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058661.D

Acq: 9 Oct 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

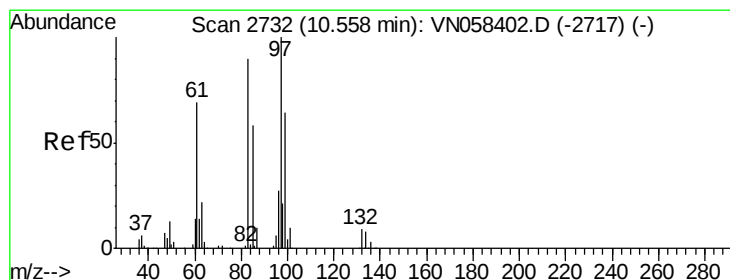
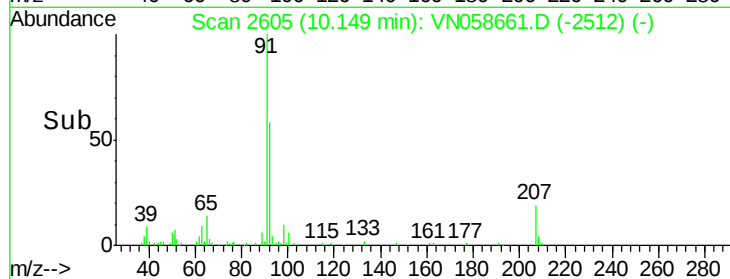
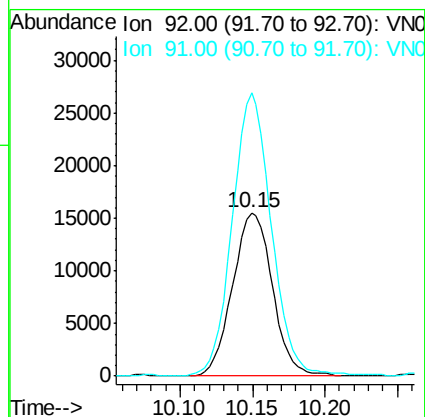
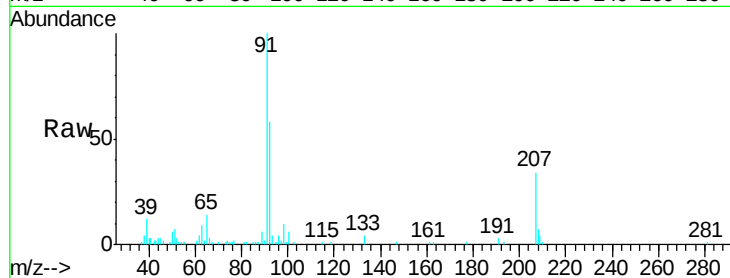
MW-7

Tgt Ion: 92 Resp: 29644

Ion Ratio Lower Upper

92 100

91 170.1 140.2 210.4



#55

1,1,2-Trichloroethane

Concen: 1.470 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.03 min

Lab File: VN058661.D

Acq: 9 Oct 2019 23:12

Tgt Ion: 97 Resp: 6846

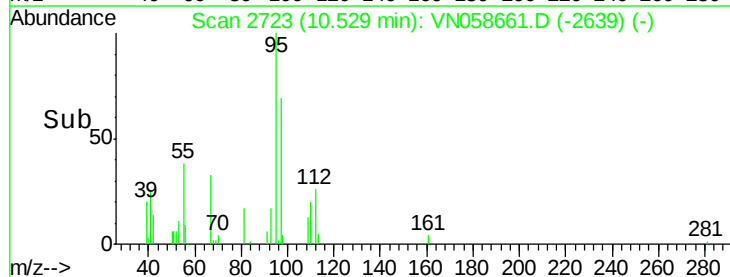
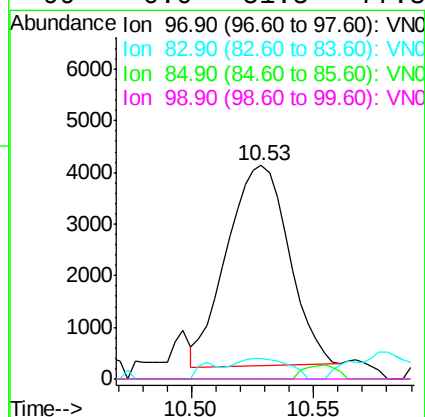
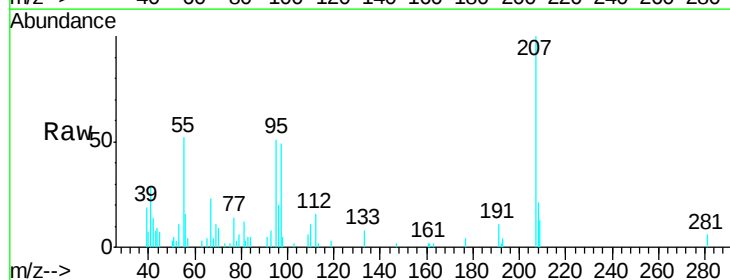
Ion Ratio Lower Upper

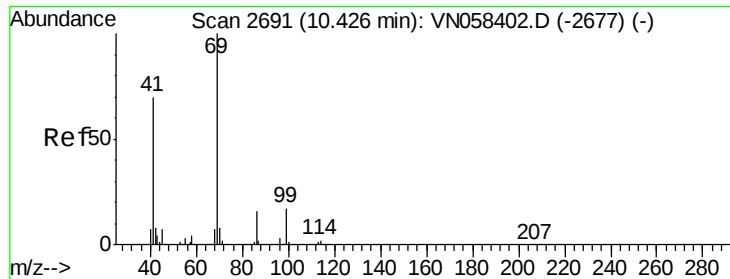
97 100

83 10.2 71.8 107.6#

85 0.0 46.6 69.8#

99 0.0 51.5 77.3#

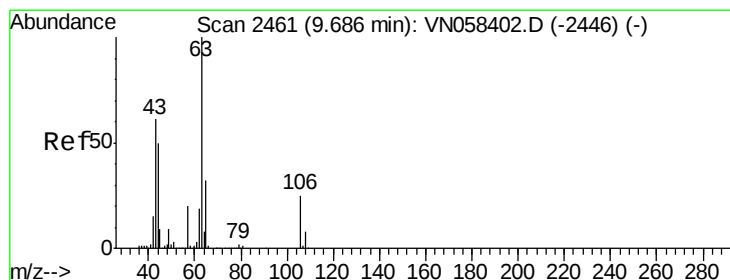
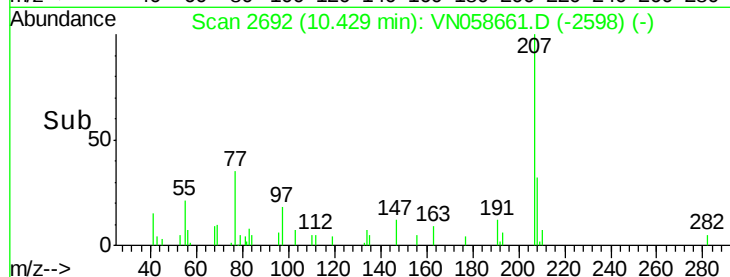
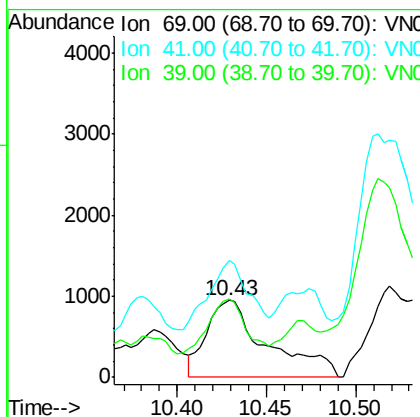
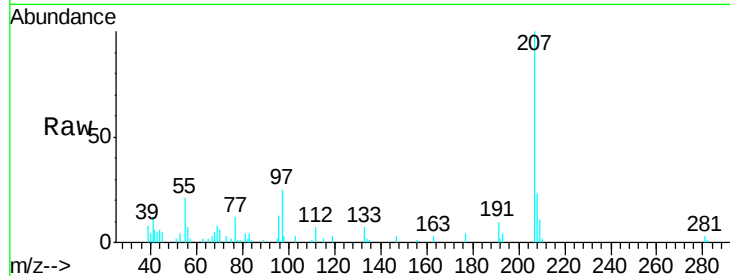




#56
 Ethyl methacrylate
 Concen: 0.317 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN058661.D
 Acq: 9 Oct 2019 23:12

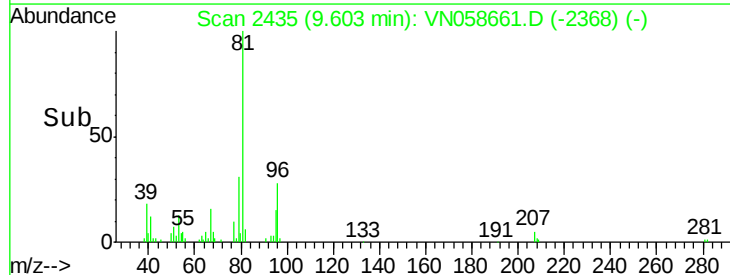
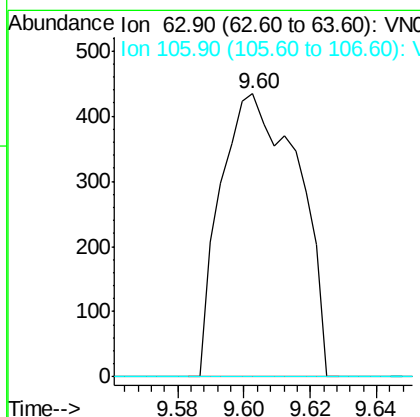
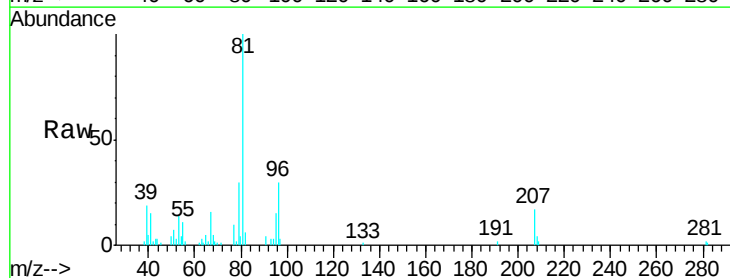
Instrument :
 MSVOA_N
 ClientSampled :
 MW-7

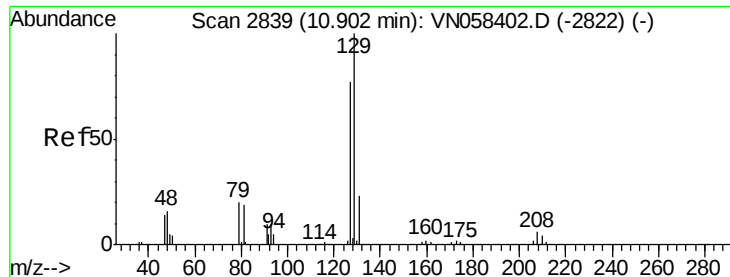
Tgt Ion: 69 Resp: 2237
 Ion Ratio Lower Upper
 69 100
 41 68.1 56.3 84.5
 39 40.7 35.8 53.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.251 ug/l
 RT: 9.60 min Scan# 2435
 Delta R.T. -0.08 min
 Lab File: VN058661.D
 Acq: 9 Oct 2019 23:12

Tgt Ion: 63 Resp: 707
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.3 30.5#





#60

Dibromochloromethane

Concen: Below Cal

RT: 10.63 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN058661.D

Acq: 9 Oct 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

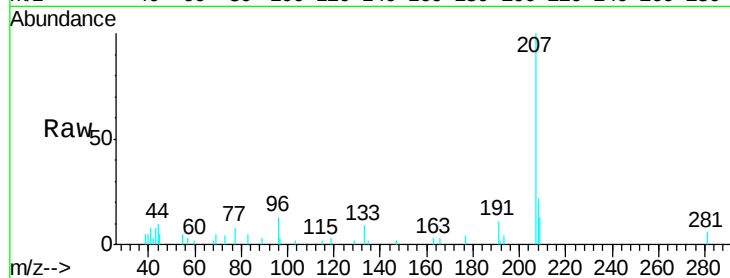
MW-7

Tgt Ion: 129 Resp: 59

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.63

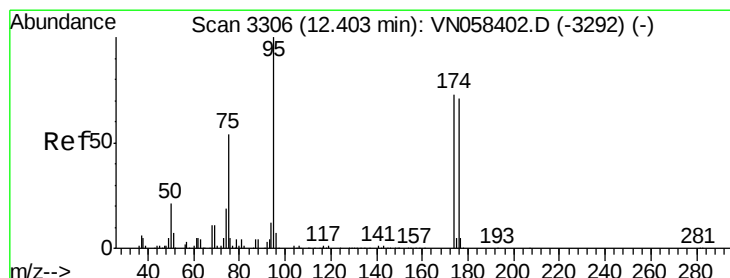
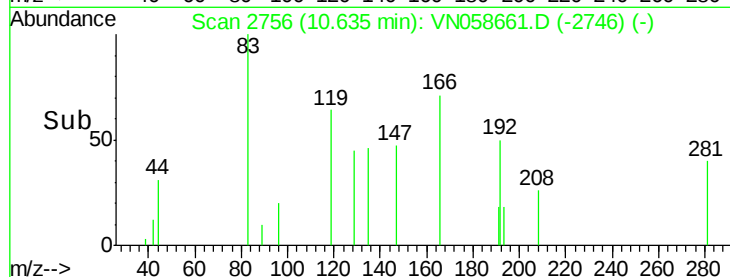
150

100

50

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.694 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058661.D

Acq: 9 Oct 2019 23:12

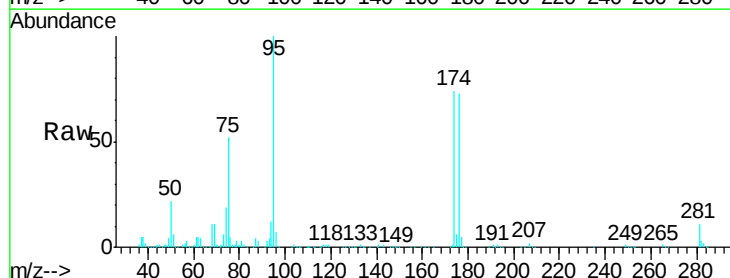
Tgt Ion: 95 Resp: 299712

Ion Ratio Lower Upper

95 100

174 76.7 0.0 150.6

176 75.2 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

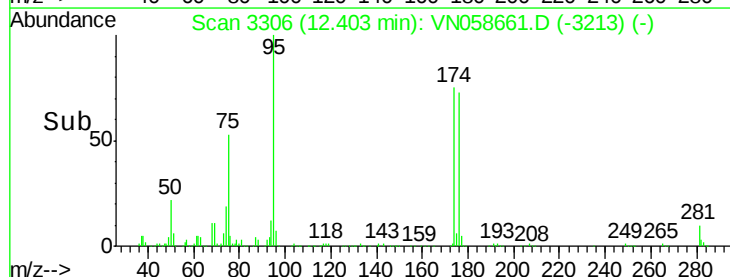
150000

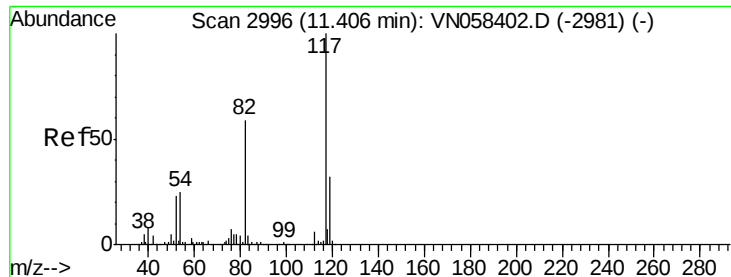
100000

50000

0

Time-->

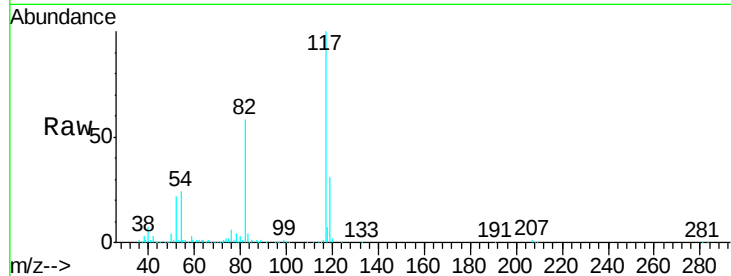




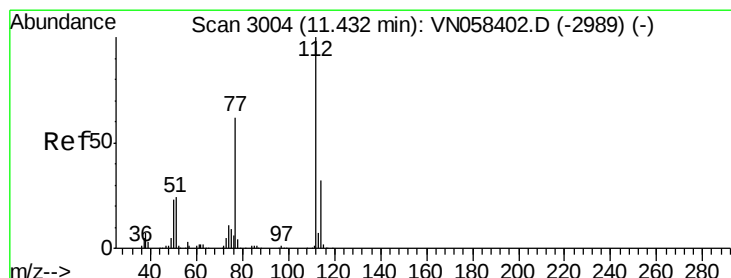
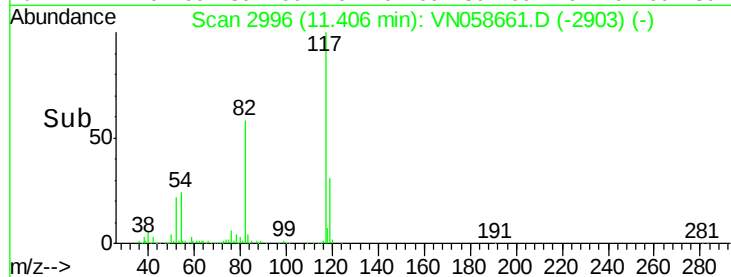
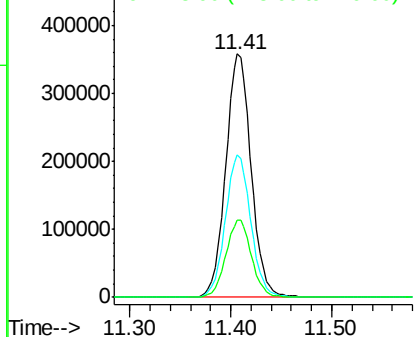
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058661.D
Acq: 9 Oct 2019 23:12

Instrument :
MSVOA_N
ClientSampleId :
MW-7

Tgt Ion:117 Resp: 628161
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.0
119 31.5 25.5 38.3

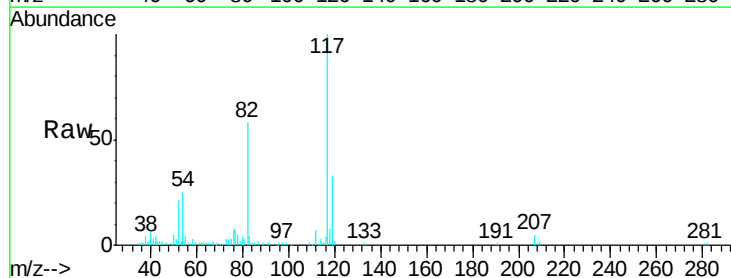


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

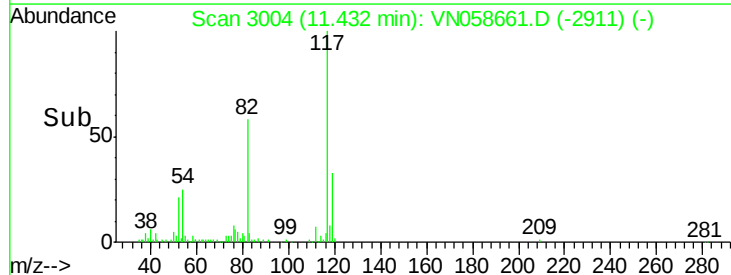
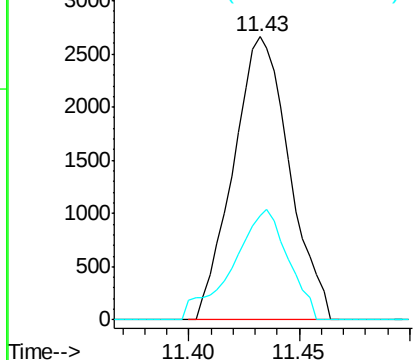


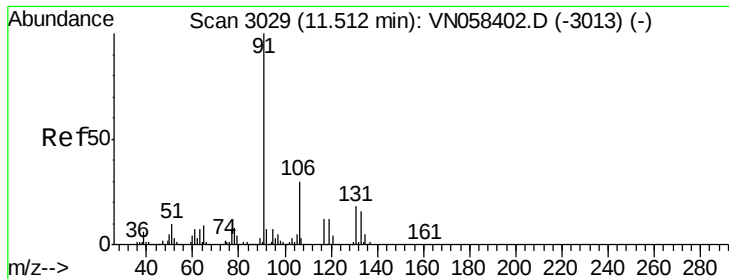
#65
Chlorobenzene
Concen: 0.376 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058661.D
Acq: 9 Oct 2019 23:12

Tgt Ion:112 Resp: 4692
Ion Ratio Lower Upper
112 100
114 37.0 25.4 38.2



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





#67

Ethyl Benzene

Concen: 1.333 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058661.D

Acq: 9 Oct 2019 23:12

Instrument :

MSVOA_N

ClientSampled :

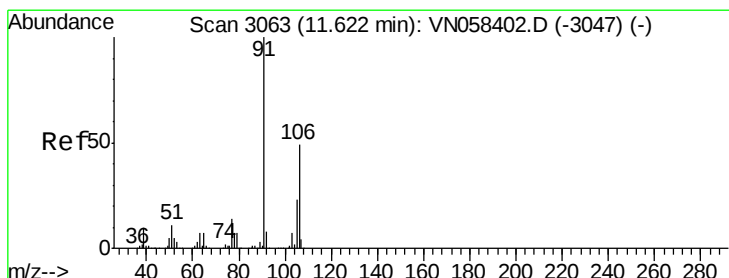
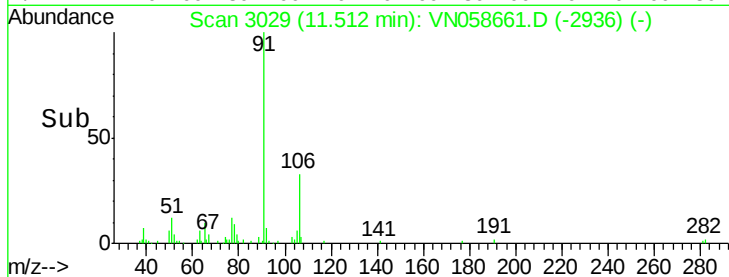
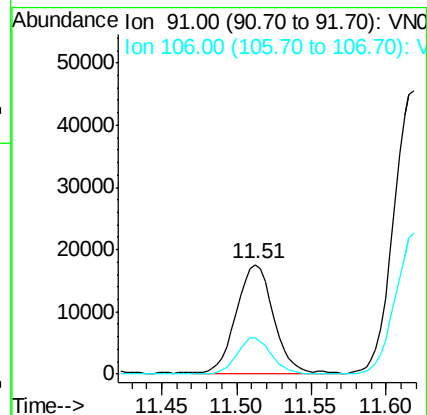
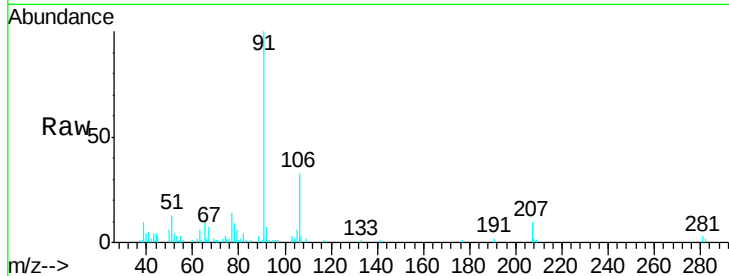
MW-7

Tgt Ion: 91 Resp: 30156

Ion Ratio Lower Upper

91 100

106 33.2 24.3 36.5



#68

m/p-Xylenes

Concen: 4.756 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN058661.D

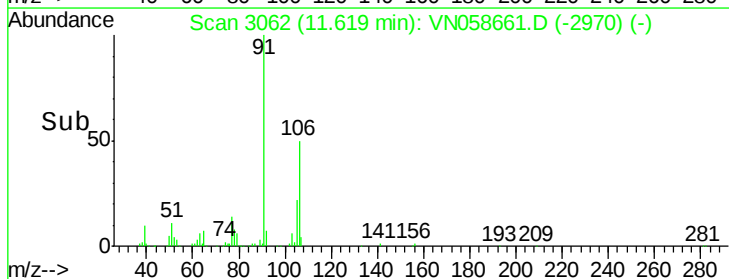
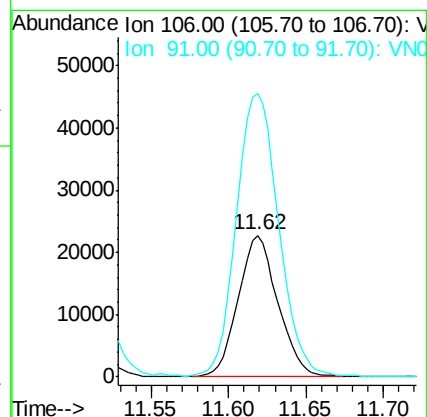
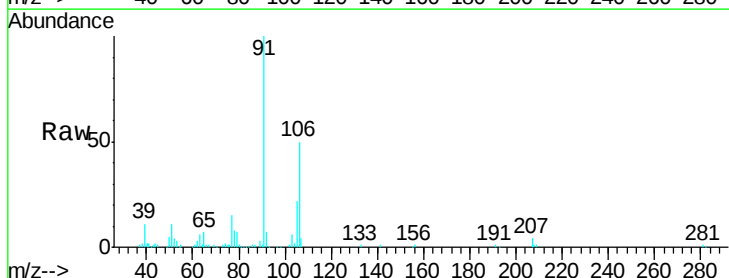
Acq: 9 Oct 2019 23:12

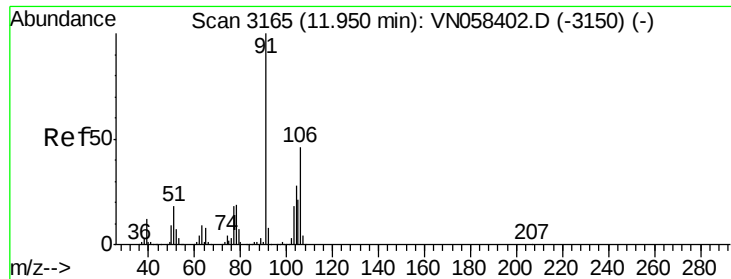
Tgt Ion: 106 Resp: 40469

Ion Ratio Lower Upper

106 100

91 214.3 165.0 247.4

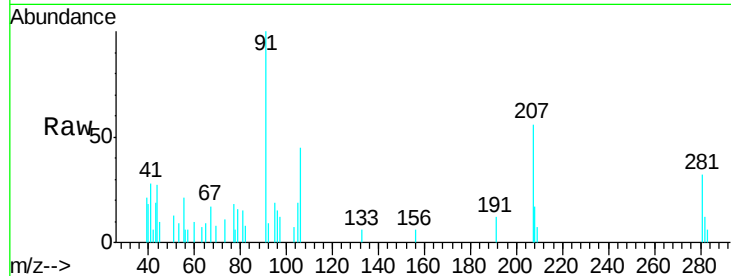




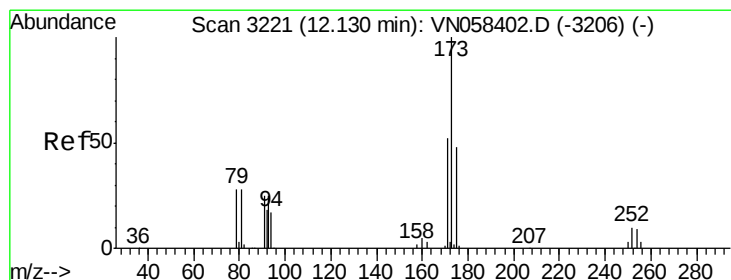
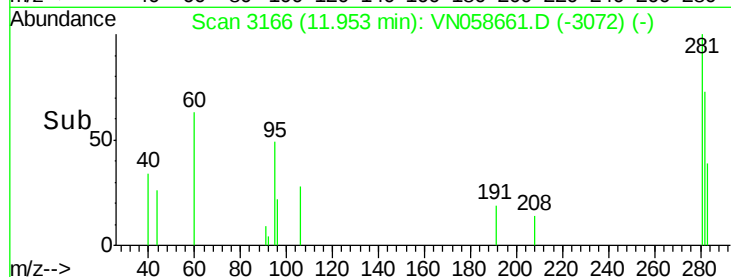
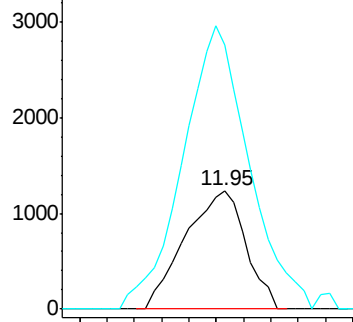
#69
o-Xylene
Concen: 0.232 ug/l
RT: 11.95 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN058661.D
Acq: 9 Oct 2019 23:12

Instrument :
MSVOA_N
ClientSampled :
MW-7

Tgt Ion:106 Resp: 1901
Ion Ratio Lower Upper
106 100
91 261.3 109.1 327.4

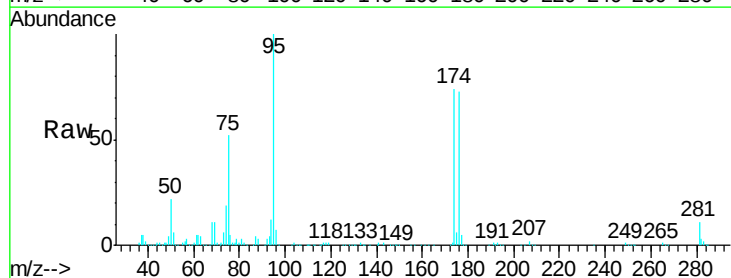


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

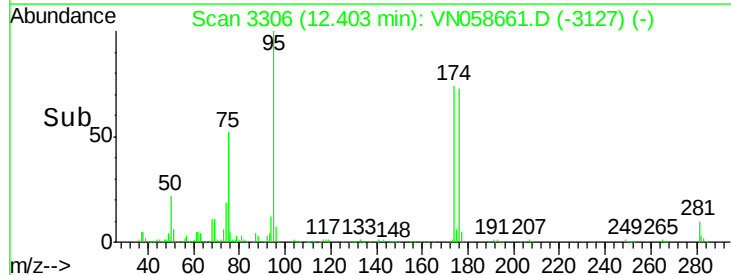
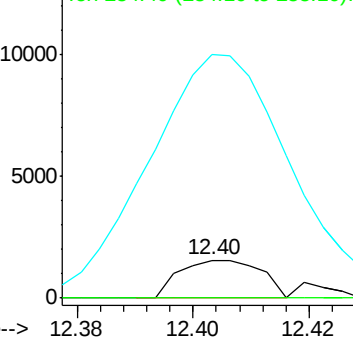


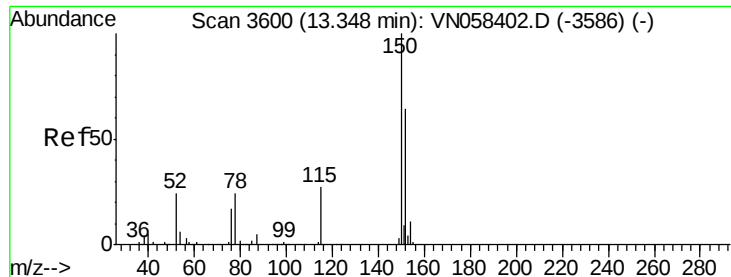
#71
Bromoform
Concen: 1.209 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN058661.D
Acq: 9 Oct 2019 23:12

Tgt Ion:173 Resp: 1516
Ion Ratio Lower Upper
173 100
175 991.2 24.3 73.0#
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# 3600

Delta R.T. 0.00 min

Lab File: VN058661.D

Acq: 9 Oct 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

MW-7

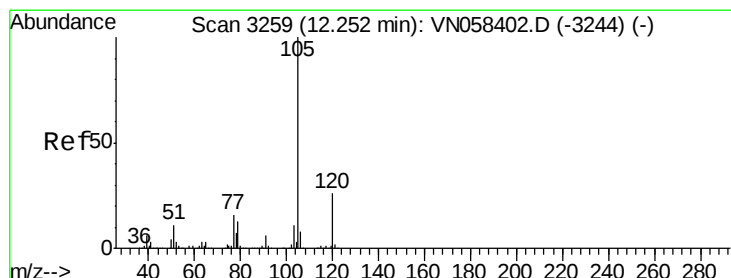
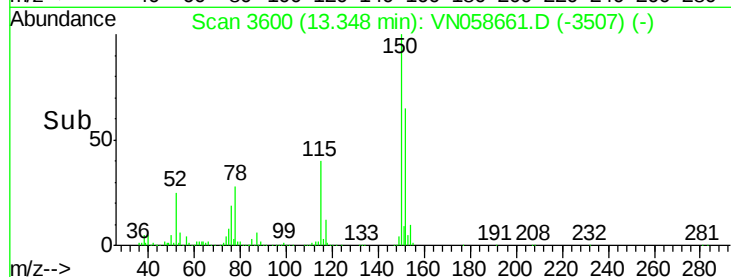
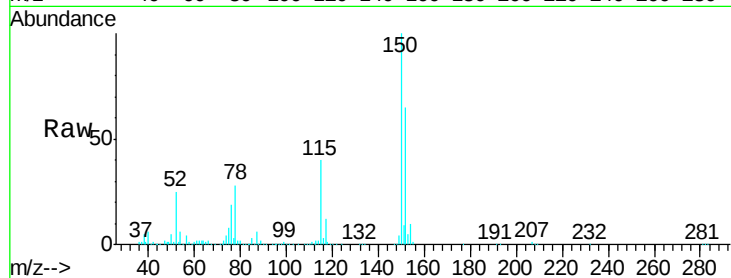
Tgt Ion:152 Resp: 260685

Ion Ratio Lower Upper

152 100

115 61.0 30.0 90.0

150 155.7 0.0 348.2



#73

Isopropylbenzene

Concen: 6.052 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058661.D

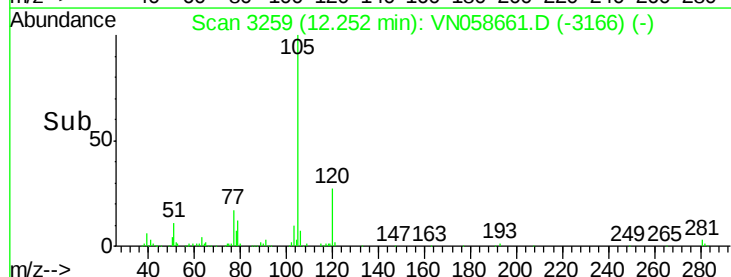
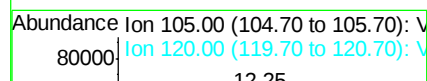
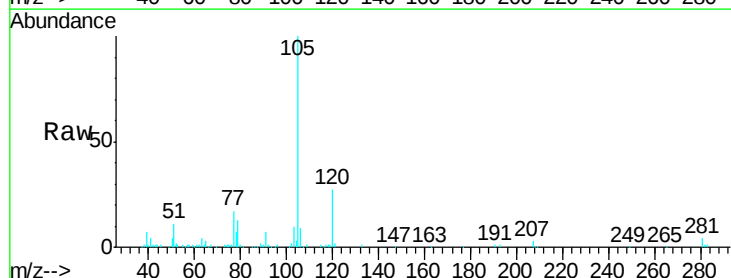
Acq: 9 Oct 2019 23:12

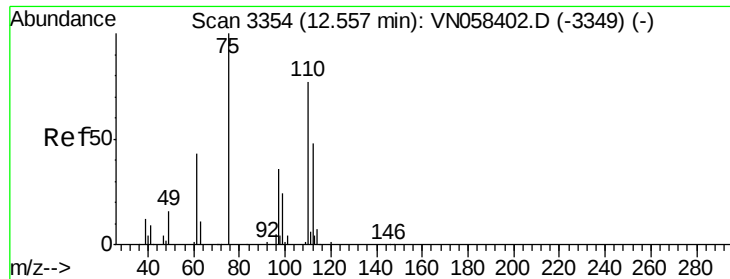
Tgt Ion:105 Resp: 116588

Ion Ratio Lower Upper

105 100

120 26.9 12.8 38.4





#76

1,2,3-Trichloropropane

Concen: 33.635 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058661.D

Acq: 9 Oct 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

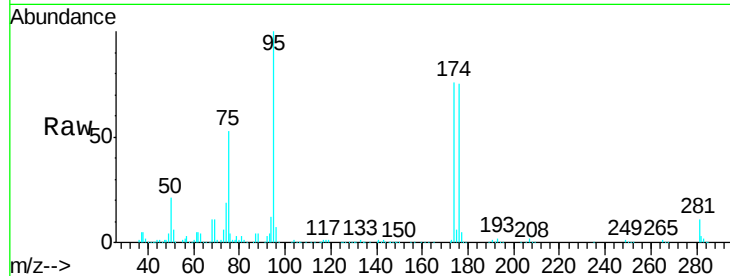
MW-7

Tgt Ion: 75 Resp: 160151

Ion Ratio Lower Upper

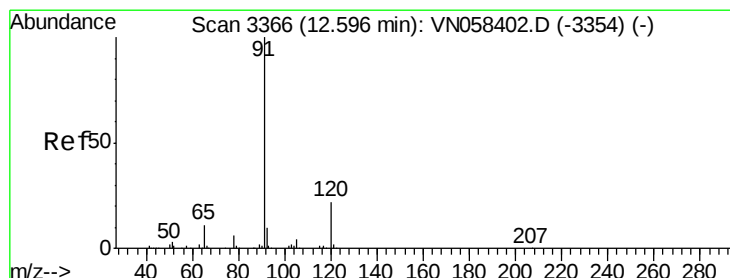
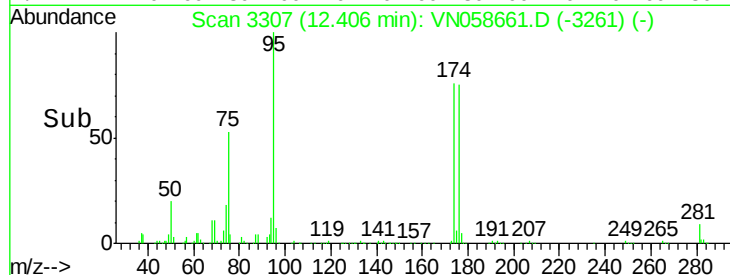
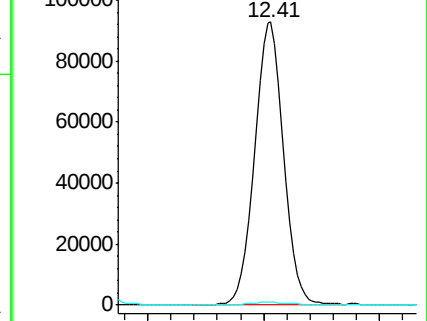
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 5.186 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058661.D

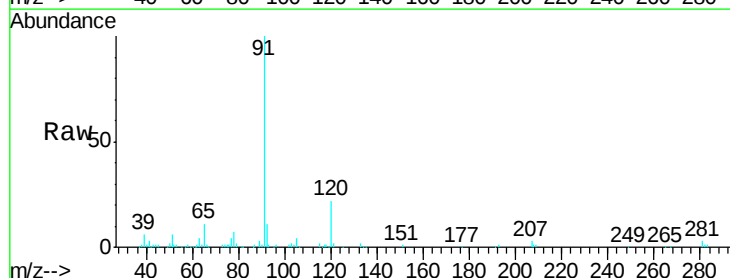
Acq: 9 Oct 2019 23:12

Tgt Ion: 91 Resp: 112555

Ion Ratio Lower Upper

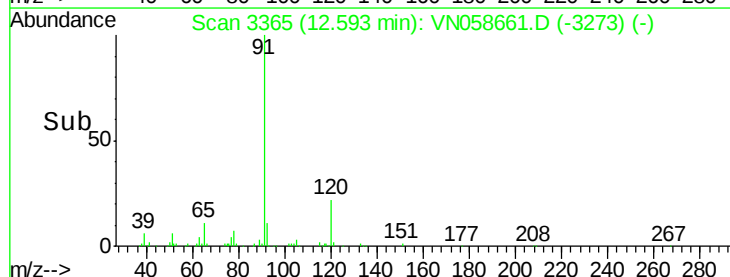
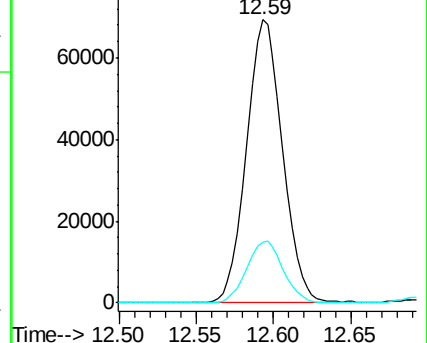
91 100

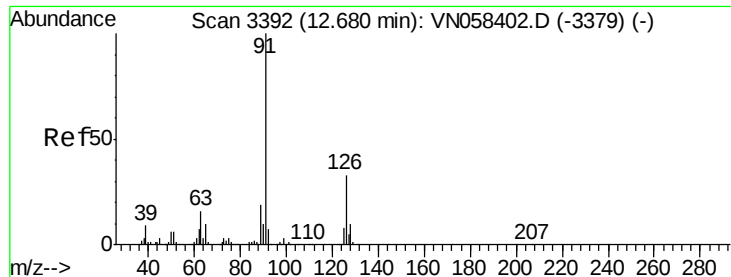
120 22.1 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 8.402 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.09 min

Lab File: VN058661.D

Acq: 9 Oct 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

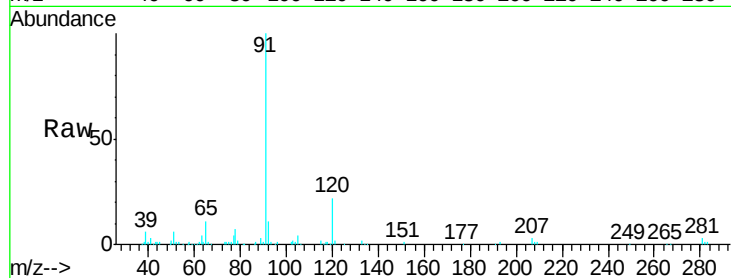
MW-7

Tgt Ion: 91 Resp: 112555

Ion Ratio Lower Upper

91 100

126 0.0 16.2 48.6#



Abundance Ion 91.00 (90.70 to 91.70): VN058402.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058402.D (-3379) (-)

12.59

80000

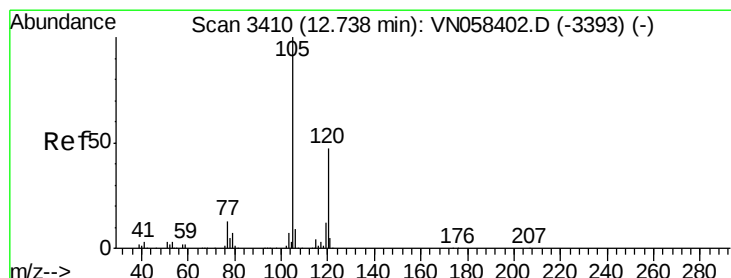
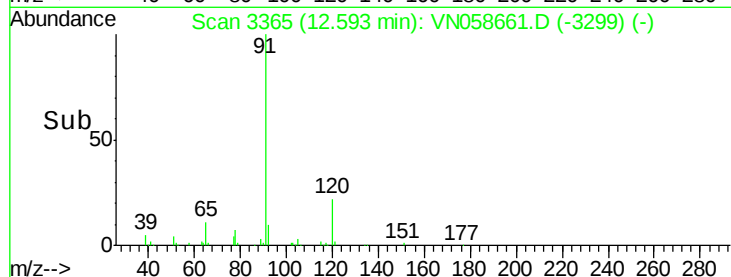
60000

40000

20000

0

Time--> 12.50 12.55 12.60 12.65



#80

1,3,5-Trimethylbenzene

Concen: 0.503 ug/l

RT: 12.69 min Scan# 3396

Delta R.T. -0.05 min

Lab File: VN058661.D

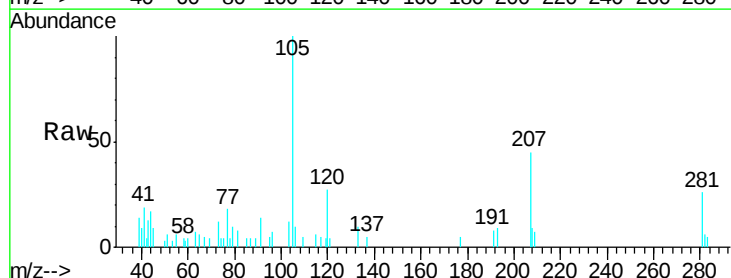
Acq: 9 Oct 2019 23:12

Tgt Ion: 105 Resp: 8116

Ion Ratio Lower Upper

105 100

120 26.1 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VN058402.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058402.D (-3393) (-)

12.69

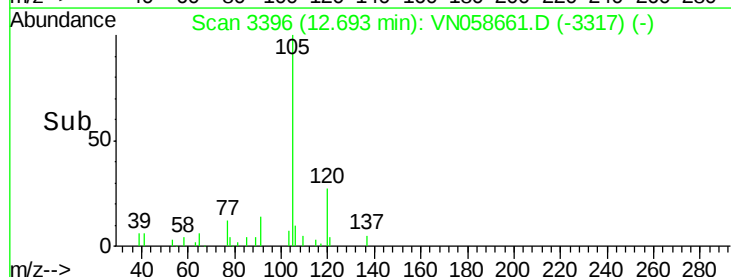
15000

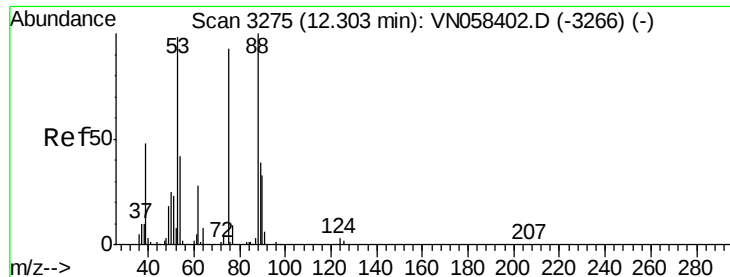
10000

5000

0

Time--> 12.60 12.65 12.70





#81

trans-1,4-Dichloro-2-butene

Concen: 102.154 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058661.D

Acq: 9 Oct 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

MW-7

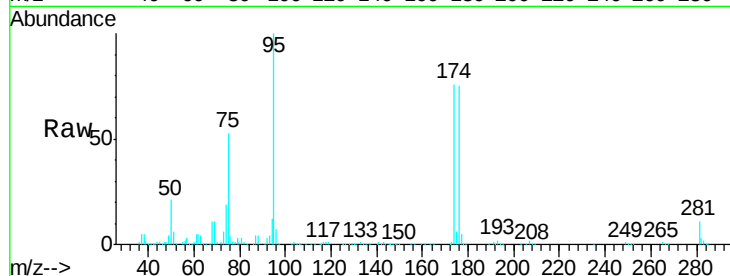
Tgt Ion: 75 Resp: 160151

Ion Ratio Lower Upper

75 100

53 0.1 85.4 128.0#

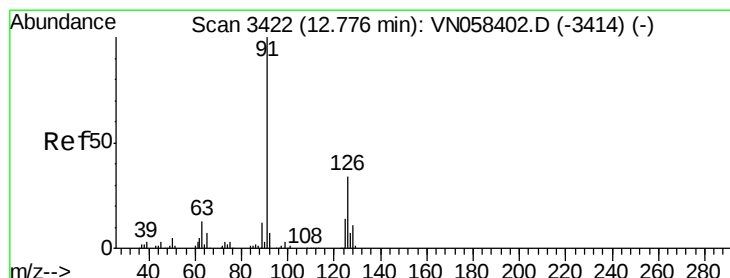
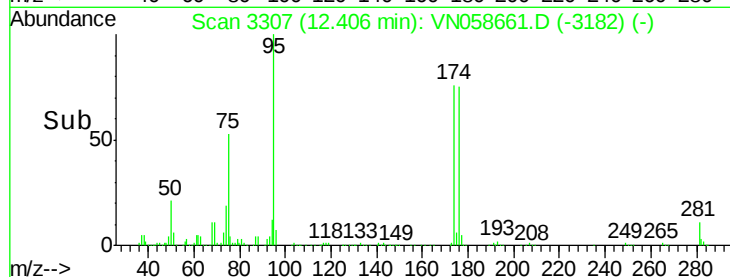
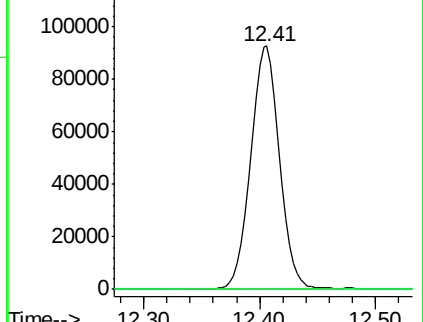
89 0.0 35.0 52.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.389 ug/l

RT: 12.90 min Scan# 3459

Delta R.T. 0.12 min

Lab File: VN058661.D

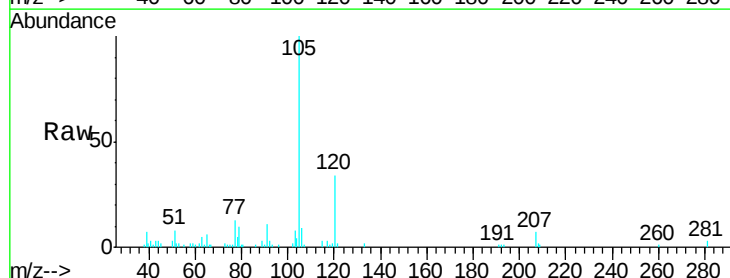
Acq: 9 Oct 2019 23:12

Tgt Ion: 91 Resp: 5311

Ion Ratio Lower Upper

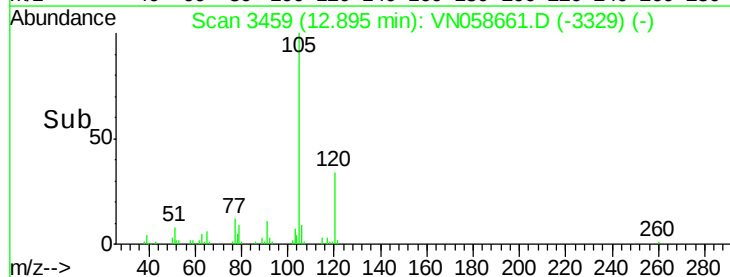
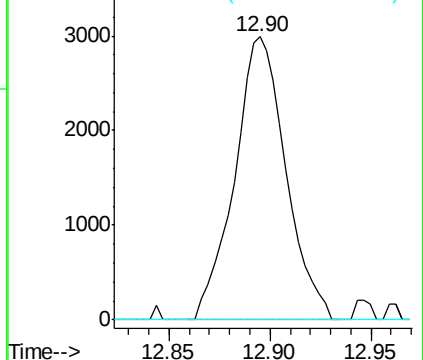
91 100

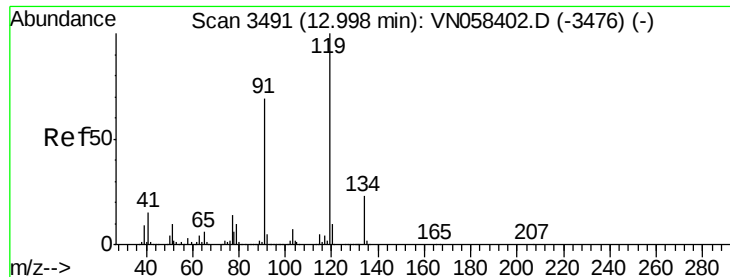
126 0.0 15.9 47.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 0.262 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058661.D

Acq: 9 Oct 2019 23:12

Instrument :

MSVOA_N

ClientSampled :

MW-7

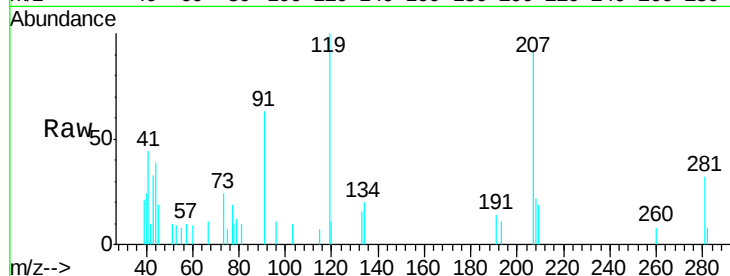
Tgt Ion:119 Resp: 3569

Ion Ratio Lower Upper

119 100

91 72.4 34.2 102.6

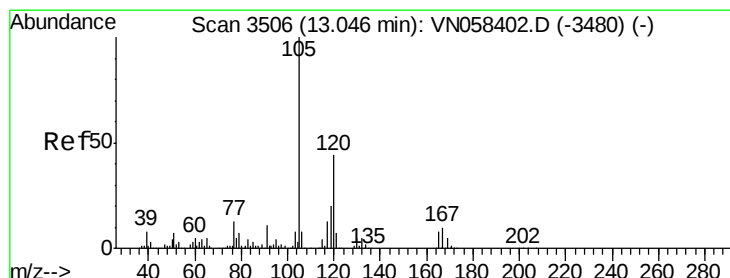
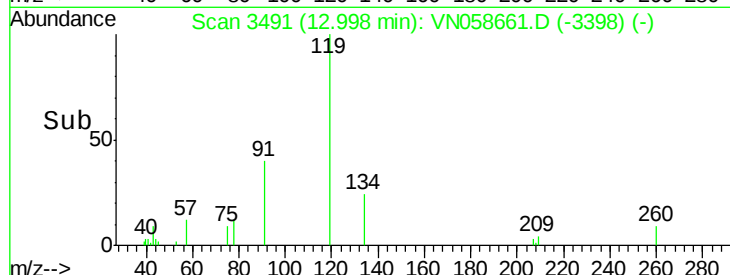
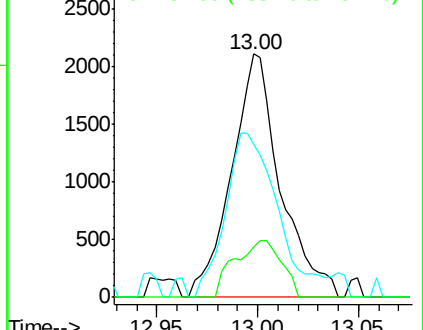
134 22.5 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 2.637 ug/l

RT: 12.90 min Scan# 3459

Delta R.T. -0.15 min

Lab File: VN058661.D

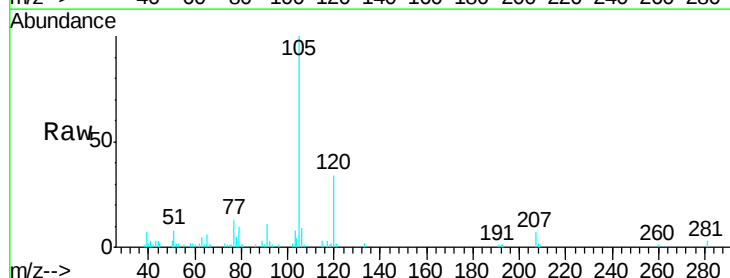
Acq: 9 Oct 2019 23:12

Tgt Ion:105 Resp: 42608

Ion Ratio Lower Upper

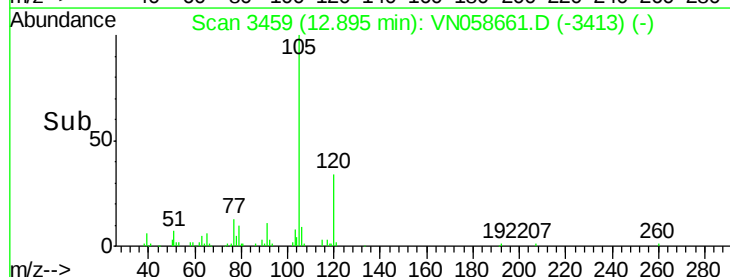
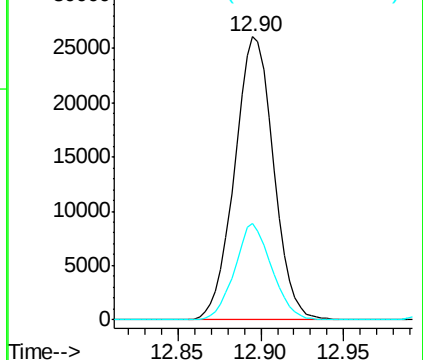
105 100

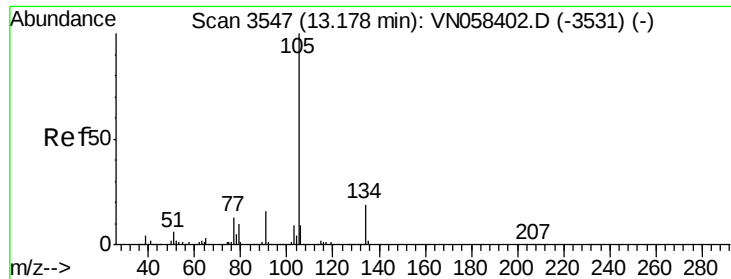
120 32.3 21.7 65.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

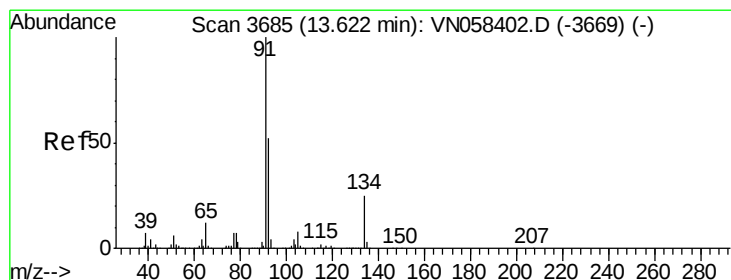
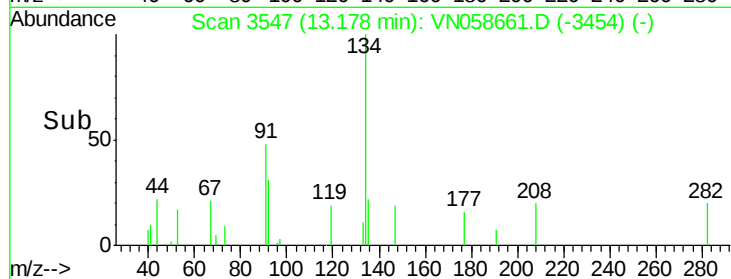
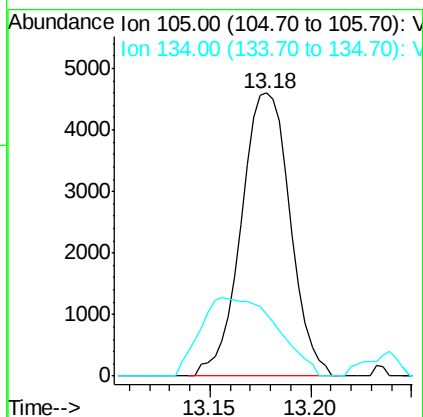
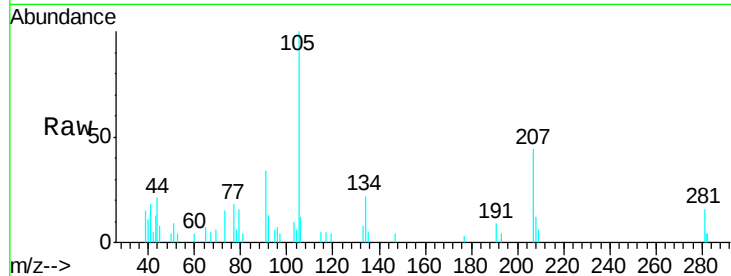




#85
 sec-Butylbenzene
 Concen: 0.437 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058661.D
 Acq: 9 Oct 2019 23:12

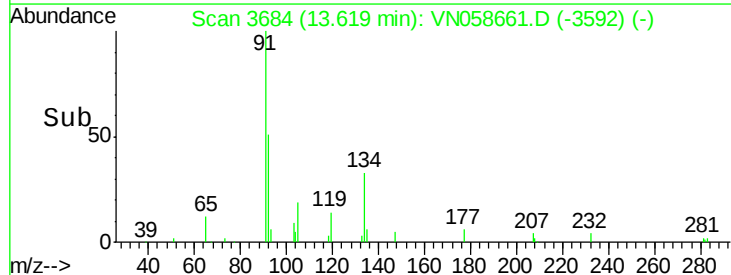
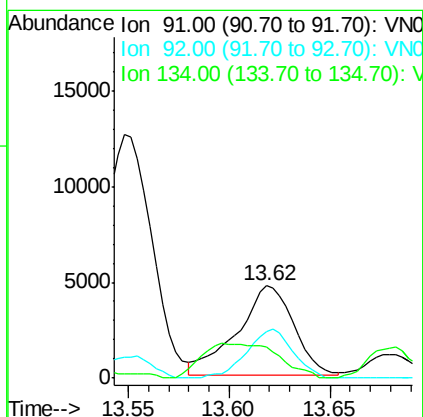
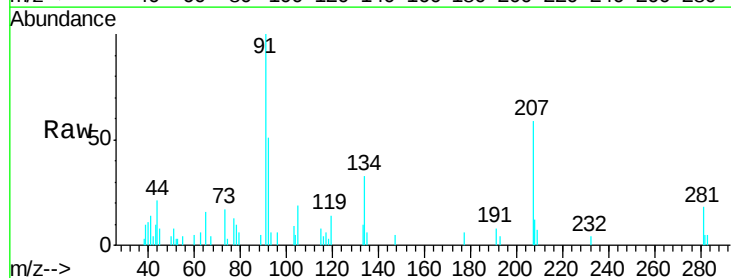
Instrument :
 MSVOA_N
 ClientSampled :
 MW-7

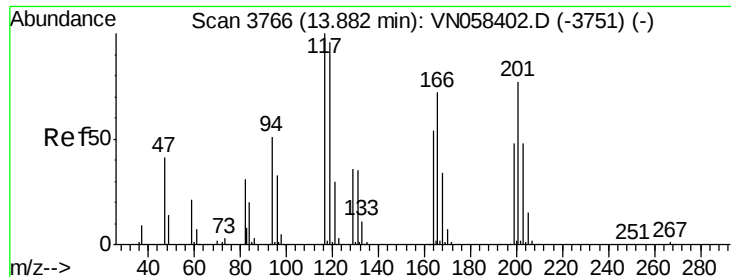
Tgt Ion: 105 Resp: 7826
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.4 28.2#



#89
 n-Butylbenzene
 Concen: 0.633 ug/l
 RT: 13.62 min Scan# 3684
 Delta R.T. -0.00 min
 Lab File: VN058661.D
 Acq: 9 Oct 2019 23:12

Tgt Ion: 91 Resp: 9037
 Ion Ratio Lower Upper
 91 100
 92 45.3 25.7 77.1
 134 0.0 12.2 36.6#





#90

Hexachloroethane

Concen: 2.214 ug/l

RT: 13.90 min Scan# 3771

Delta R.T. 0.02 min

Lab File: VN058661.D

Acq: 9 Oct 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

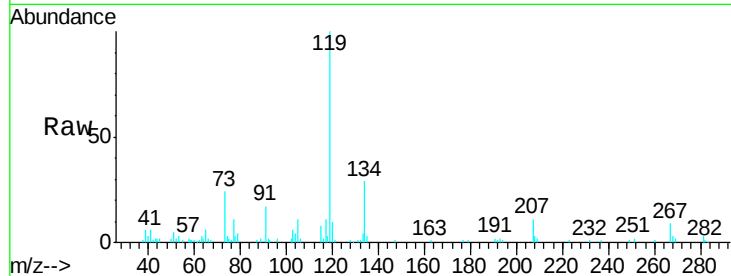
MW-7

Tgt Ion:117 Resp: 5244

Ion Ratio Lower Upper

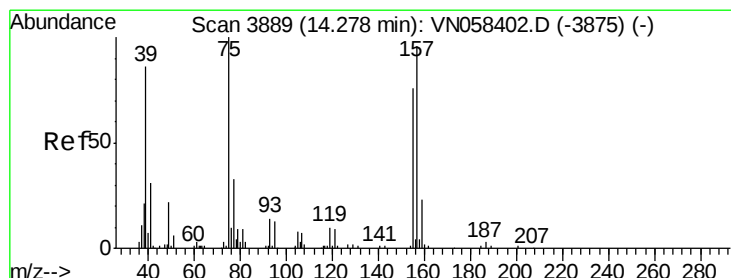
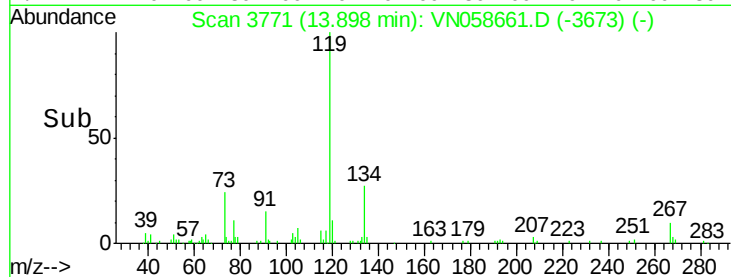
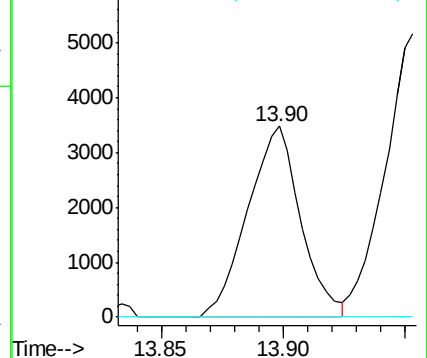
117 100

201 0.0 38.6 116.0#



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: 0.249 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.01 min

Lab File: VN058661.D

Acq: 9 Oct 2019 23:12

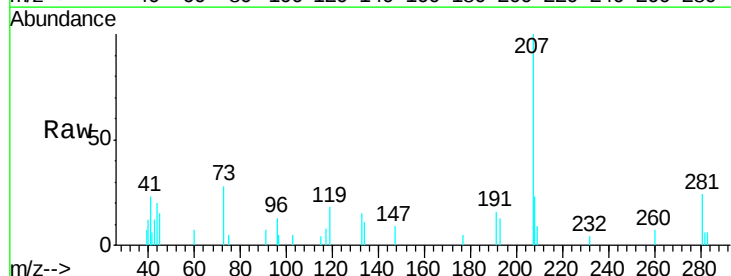
Tgt Ion: 75 Resp: 250

Ion Ratio Lower Upper

75 100

155 0.0 39.2 117.6#

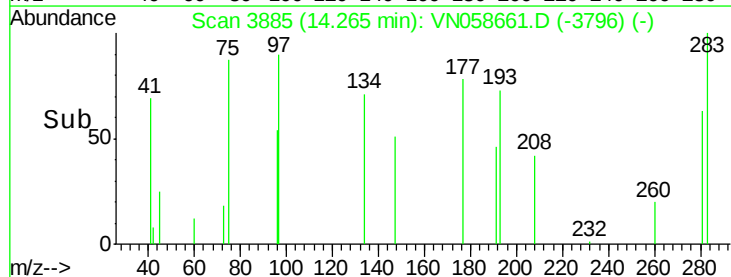
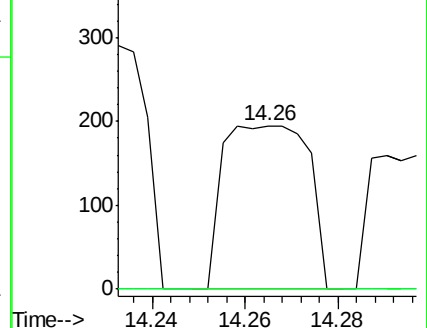
157 0.0 48.7 146.1#

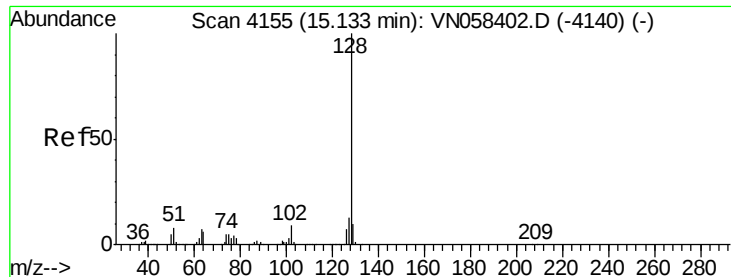


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 0.653 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058661.D

Acq: 9 Oct 2019 23:12

Instrument :

MSVOA_N

ClientSampleId :

MW-7

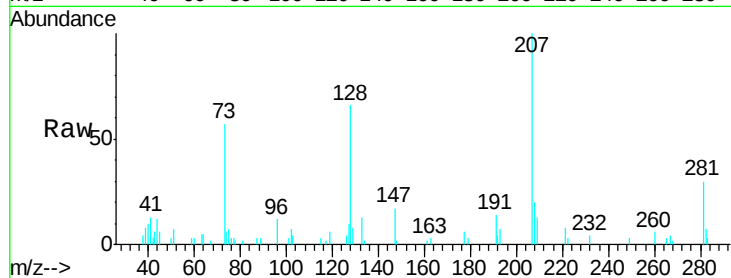
Tgt Ion:128 Resp: 8690

Ion Ratio Lower Upper

128 100

127 11.5 10.2 15.4

129 12.5 8.3 12.5#



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

