

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
 Data File : VN058659.D
 Acq On : 9 Oct 2019 22:28
 Operator : JC/SP
 Sample : K5184-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Quant Time: Oct 10 04:43:19 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	469563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	744931	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	650518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	287778	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	318849	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
35) Dibromofluoromethane	7.57	113	229877	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
50) Toluene-d8	10.09	98	938652	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	
62) 4-Bromofluorobenzene	12.40	95	324635	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	

Target Compounds					Qvalue	
3) Chloromethane	2.04	50	2363	0.417	ug/l	94
11) Tert butyl alcohol	4.75	59	1604	2.104	ug/l #	71
13) Acrolein	3.54	56	48210	198.839	ug/l #	1
14) Allyl chloride	4.39	41	26065	3.233	ug/l #	38
15) Acrylonitrile	5.03	53	39856	17.940	ug/l #	41
16) Acetone	3.79	43	251944	107.707	ug/l #	86
18) Methyl Acetate	4.57	43	1442350	245.162	ug/l #	53
19) Methyl tert-butyl Ether	5.01	73	5112	0.327	ug/l #	1
20) Methylene Chloride	4.40	84	5014	0.929	ug/l #	8
23) Vinyl Acetate	5.91	43	28279	2.162	ug/l #	79
24) 1,1-Dichloroethane	5.91	63	10573	1.083	ug/l #	85
25) 2-Butanone	6.82	43	128235	39.929	ug/l	93
28) Bromochloromethane	7.36	49	4893	1.254	ug/l #	16
29) Tetrahydrofuran	7.19	42	1887	0.926	ug/l #	34
30) Chloroform	7.30	83	80625	8.150	ug/l #	18
31) Cyclohexane	7.63	56	556517	58.602	ug/l	97
36) 1,1-Dichloropropene	7.65	75	39215	5.505	ug/l #	61
37) Ethyl Acetate	6.82	43	128235	21.234	ug/l #	70
38) Carbon Tetrachloride	7.65	117	47524	7.392	ug/l #	16
39) Methylcyclohexane	9.07	83	458220	55.087	ug/l	95
40) Benzene	8.03	78	460549	22.493	ug/l	99
41) Methacrylonitrile	7.19	41	20254	7.290	ug/l #	38
43) Isopropyl Acetate	8.13	43	55630	4.899	ug/l #	63
45) 1,2-Dichloropropane	9.07	63	4572	0.833	ug/l #	1
47) Bromodichloromethane	9.38	83	28531	4.330	ug/l #	25
48) Methyl methacrylate	9.14	41	10090	1.951	ug/l #	13
51) 4-Methyl-2-Pentanone	9.98	43	4501	0.772	ug/l #	79
52) Toluene	10.15	92	108895	8.450	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	1484	0.207	ug/l #	43
55) 1,1,2-Trichloroethane	10.53	97	60486	12.890	ug/l #	17
56) Ethyl methacrylate	10.43	69	3874	0.544	ug/l #	25
59) 2-Hexanone	10.88	43	14490	3.411	ug/l	92
60) Dibromochloromethane	10.63	129	172	Below Cal	#	11
67) Ethyl Benzene	11.51	91	233155	9.955	ug/l	99

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

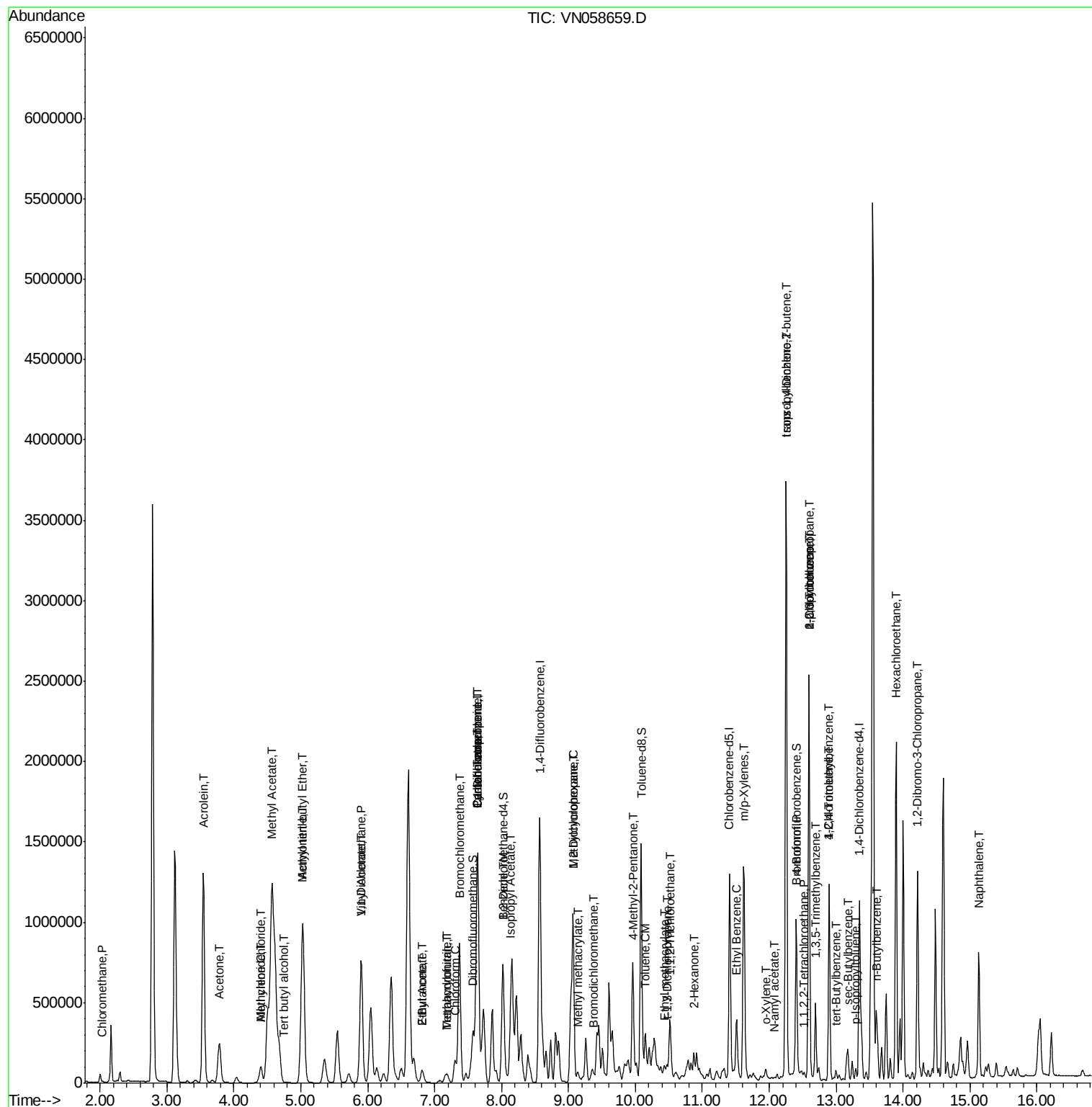
68) m/p-Xylenes	11.62	106	430416	48.844	ug/l	98
69) o-Xylene	11.95	106	13549	1.597	ug/l	91
71) Bromoform	12.39	173	196	0.759	ug/l #	29
73) Isopropylbenzene	12.25	105	2448372	115.123	ug/l	98
74) N-amyl acetate	12.08	43	1823	0.215	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	12.53	83	1458	0.232	ug/l #	44
76) 1,2,3-Trichloropropane	12.59	75	12633	2.403	ug/l #	100
78) n-propylbenzene	12.59	91	2034324	84.905	ug/l	99
79) 2-Chlorotoluene	12.59	91	2034324	137.556	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.69	105	311912	17.520	ug/l	73
81) trans-1,4-Dichloro-2-buten	12.25	75	30756	17.771	ug/l #	71
82) 4-Chlorotoluene	12.90	91	94176	6.241	ug/l #	43
83) tert-Butylbenzene	13.00	119	29041	1.933	ug/l	95
84) 1,2,4-Trimethylbenzene	12.90	105	763452	42.802	ug/l	80
85) sec-Butylbenzene	13.18	105	113791	5.755	ug/l #	64
86) p-Isopropyltoluene	13.29	119	37089	2.131	ug/l #	75
89) n-Butylbenzene	13.62	91	153592	9.742	ug/l #	70
90) Hexachloroethane	13.90	117	103246	39.482	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.22	75	5050	4.554	ug/l #	5
95) Naphthalene	15.13	128	619271	44.042	ug/l	100

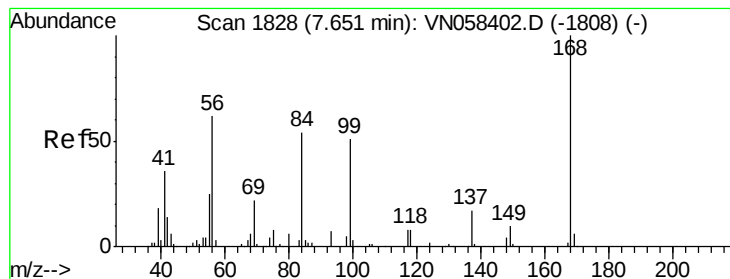
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

Instrument :

MSVOA_N

ClientSampled :

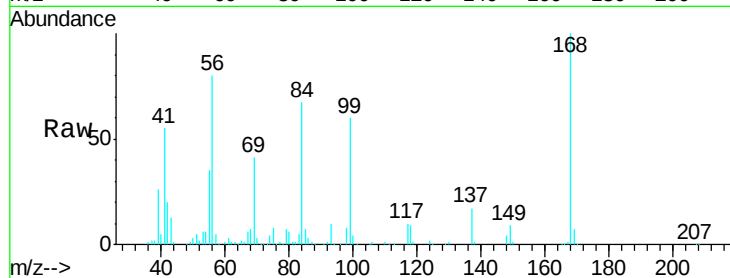
MW-2

Tgt Ion:168 Resp: 469563

Ion Ratio Lower Upper

168 100

99 59.8 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

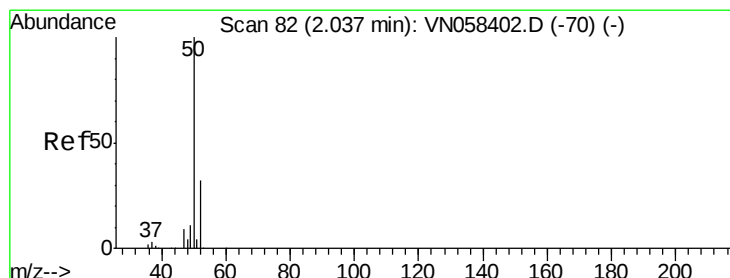
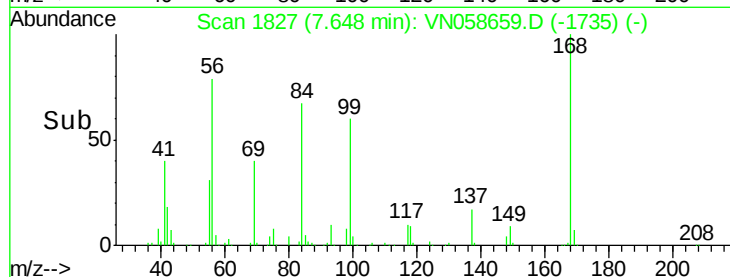
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.417 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058659.D

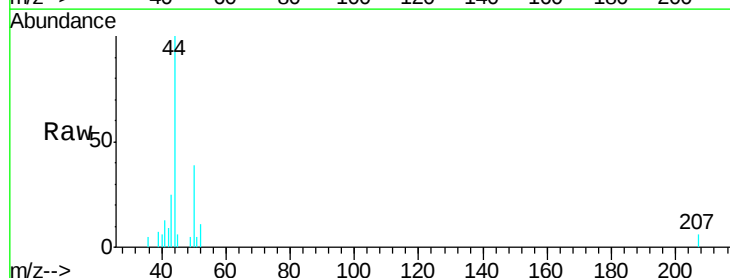
Acq: 9 Oct 2019 22:28

Tgt Ion: 50 Resp: 2363

Ion Ratio Lower Upper

50 100

52 28.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

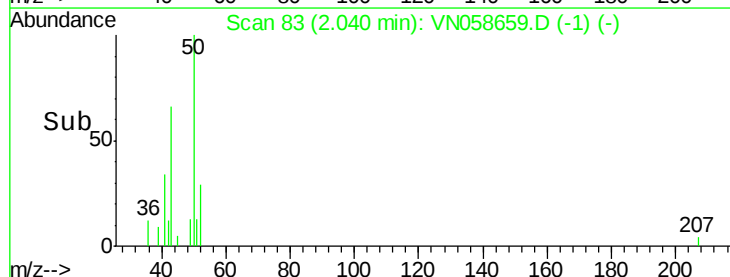
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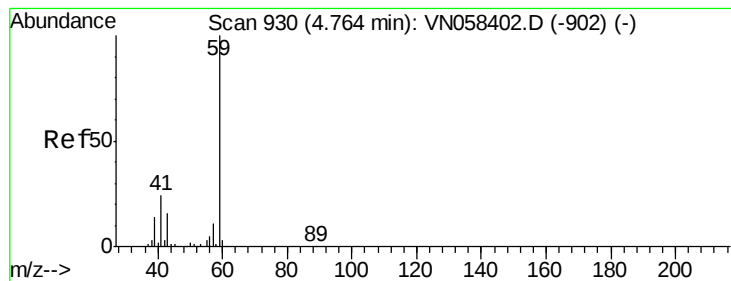
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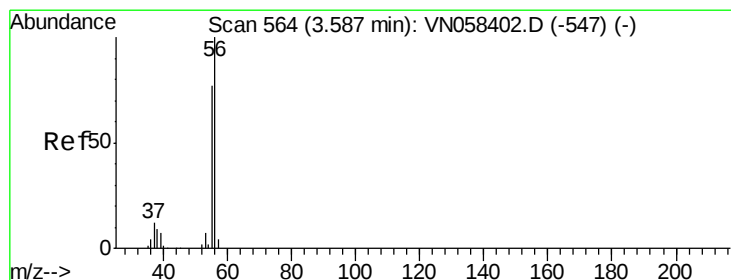
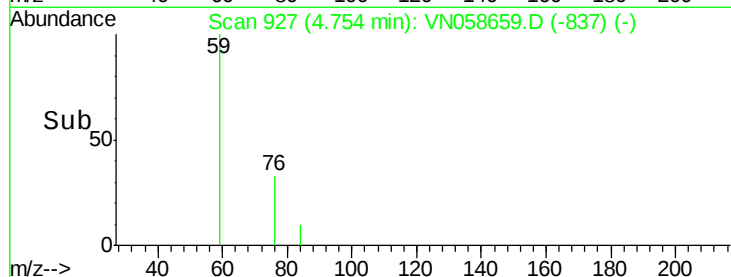
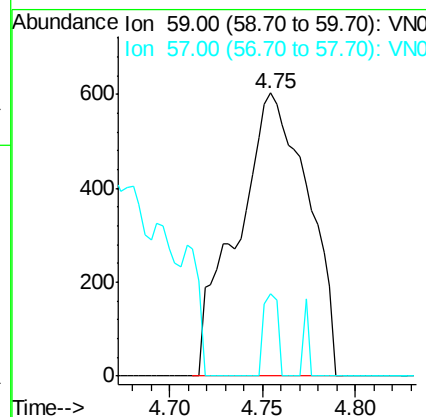
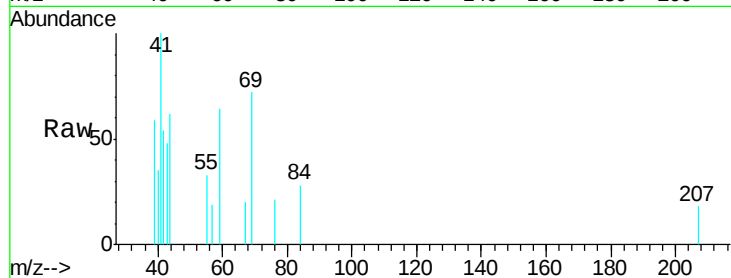


#11

Tert butyl alcohol
 Concen: 2.104 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN058659.D
 Acq: 9 Oct 2019 22:28

Instrument :
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 ClientSampled :
 MW-2

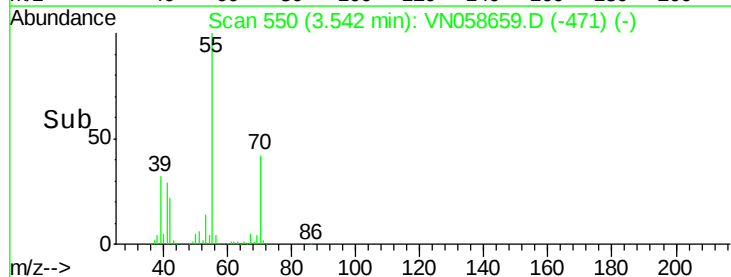
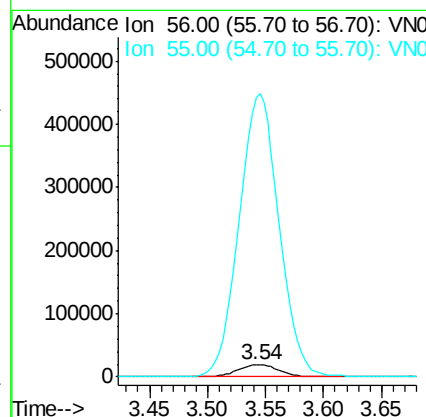
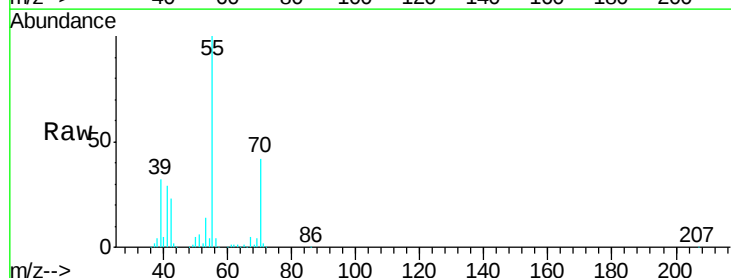
Tgt Ion: 59 Resp: 1604
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

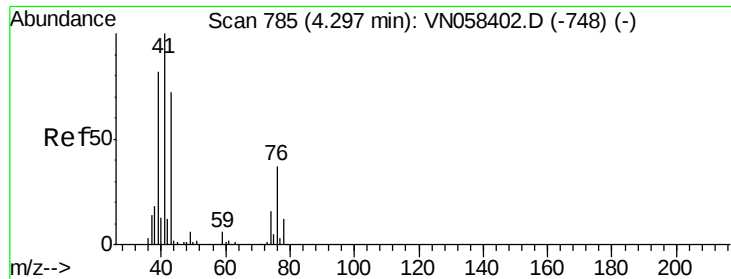


#13

Acrolein
 Concen: 198.839 ug/l
 RT: 3.54 min Scan# 550
 Delta R.T. -0.04 min
 Lab File: VN058659.D
 Acq: 9 Oct 2019 22:28

Tgt Ion: 56 Resp: 48210
 Ion Ratio Lower Upper
 56 100
 55 2216.4 58.3 87.5#





#14

Allyl chloride

Concen: 3.233 ug/l

RT: 4.39 min Scan# 815

Delta R.T. 0.10 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

Instrument :

MSVOA_N

ClientSampled :

MW-2

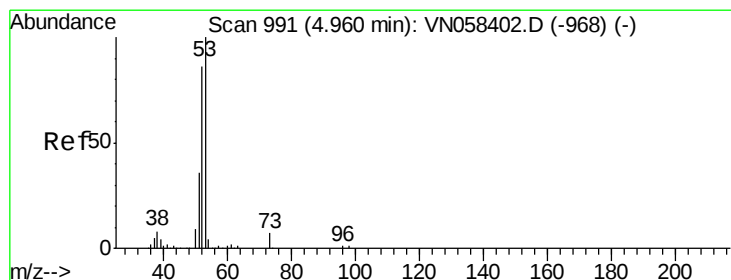
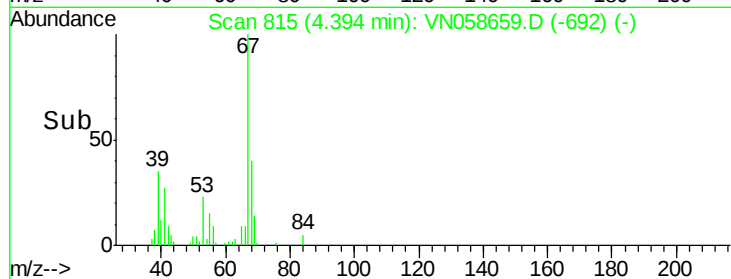
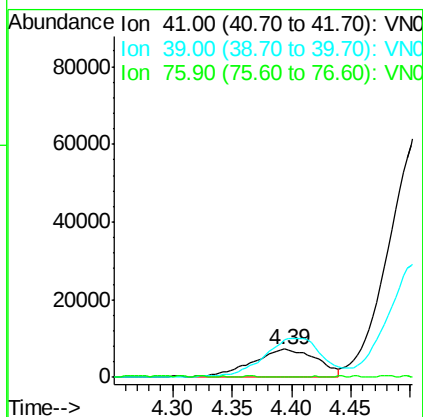
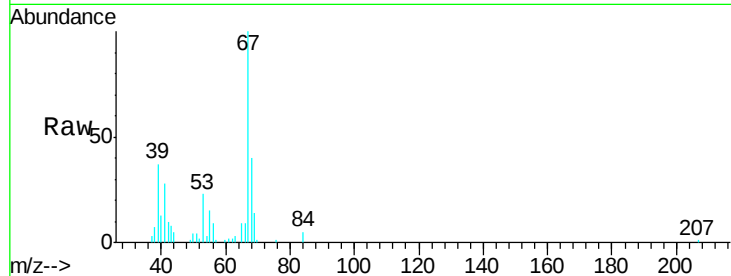
Tgt Ion: 41 Resp: 26065

Ion Ratio Lower Upper

41 100

39 132.7 62.3 93.5#

76 0.0 26.9 40.3#



#15

Acrylonitrile

Concen: 17.940 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. 0.07 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

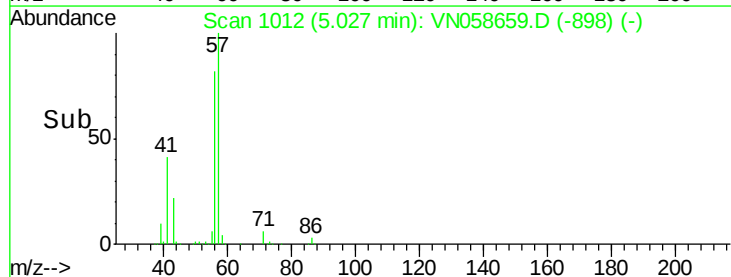
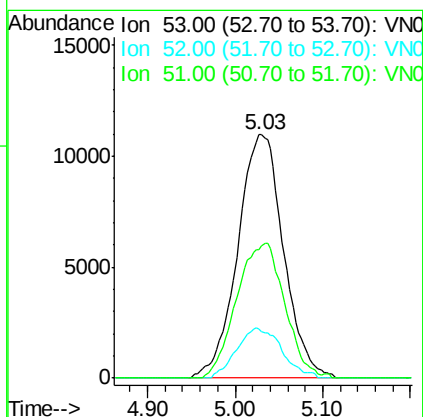
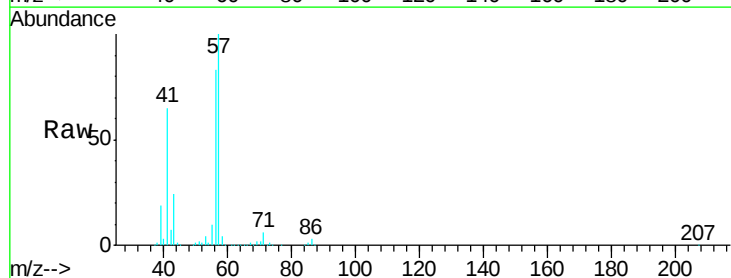
Tgt Ion: 53 Resp: 39856

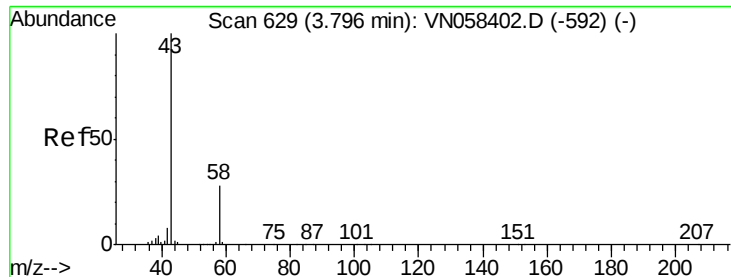
Ion Ratio Lower Upper

53 100

52 20.3 66.6 100.0#

51 58.0 29.8 44.8#

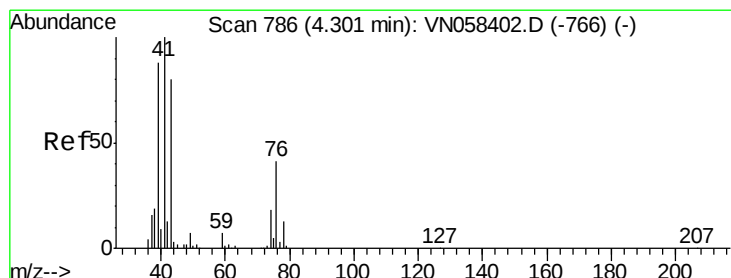
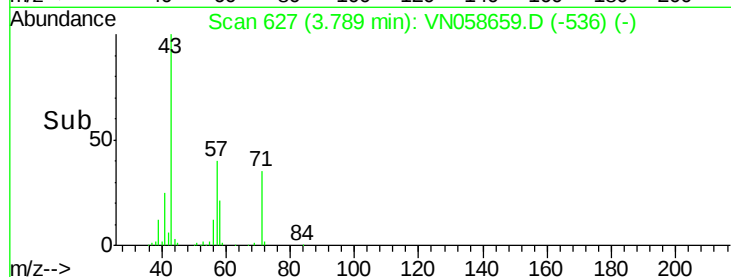
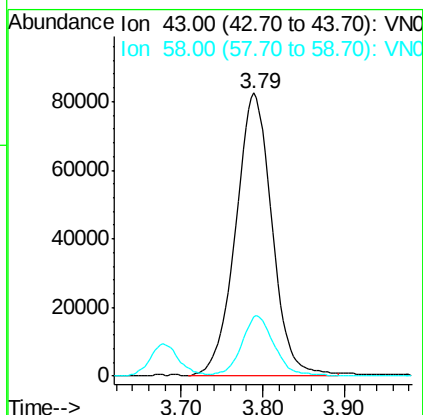
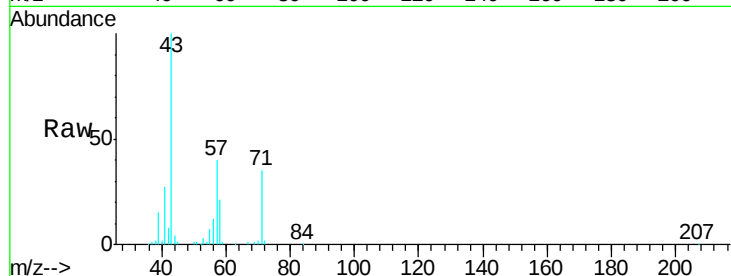




#16
Acetone
Concen: 107.707 ug/l
RT: 3.79 min Scan# 627
Delta R.T. -0.01 min
Lab File: VN058659.D
Acq: 9 Oct 2019 22:28

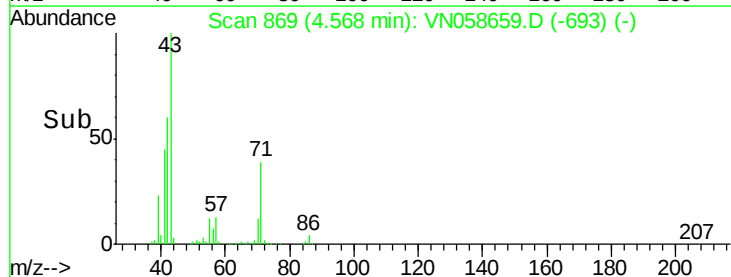
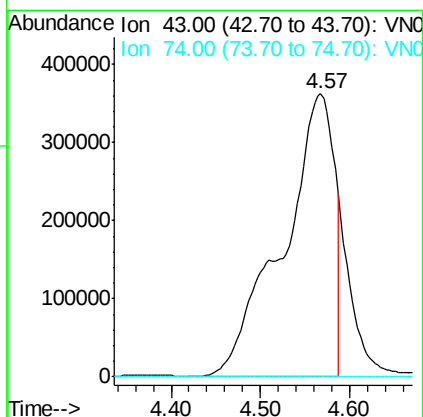
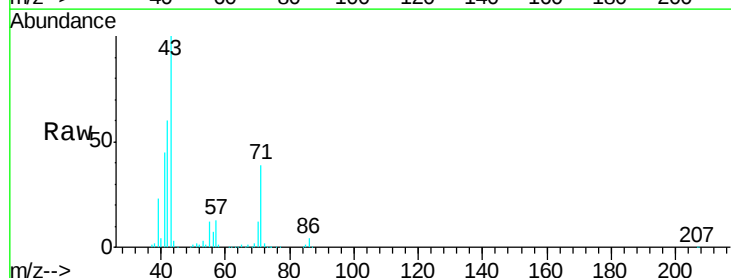
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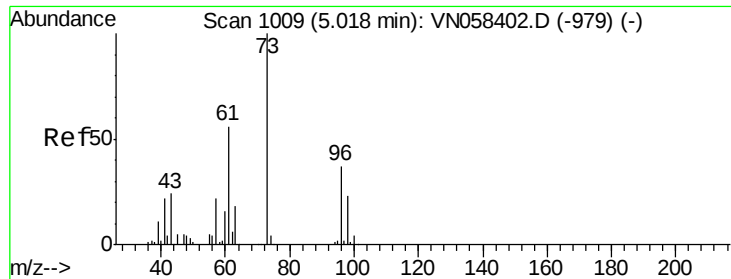
Tgt Ion: 43 Resp: 251944
Ion Ratio Lower Upper
43 100
58 20.6 22.4 33.6#



#18
Methyl Acetate
Concen: 245.162 ug/l
RT: 4.57 min Scan# 869
Delta R.T. 0.27 min
Lab File: VN058659.D
Acq: 9 Oct 2019 22:28

Tgt Ion: 43 Resp: 1442350
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#

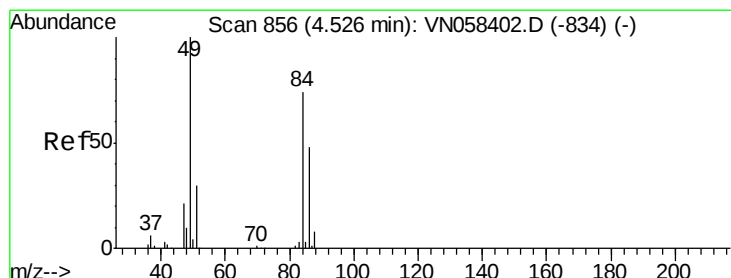
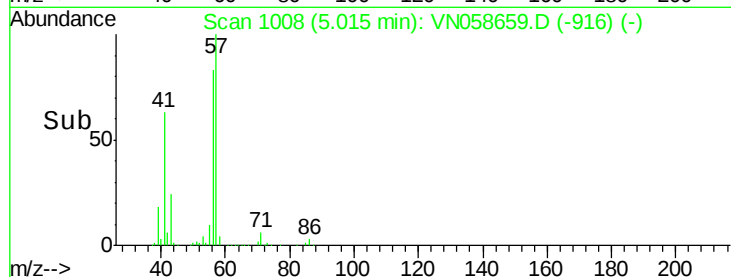
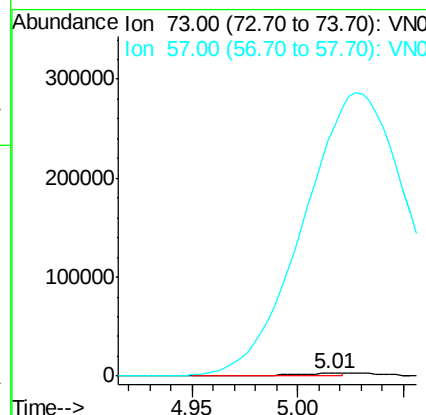
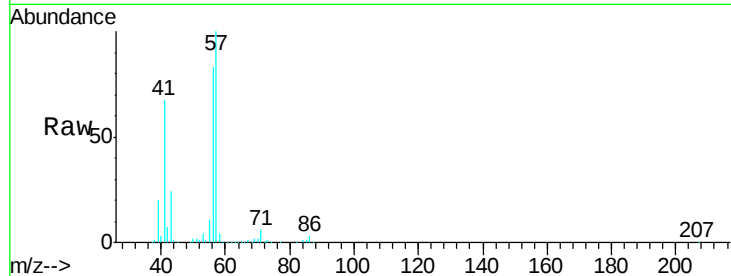




#19
Methyl tert-butyl Ether
Concen: 0.327 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058659.D
Acq: 9 Oct 2019 22:28

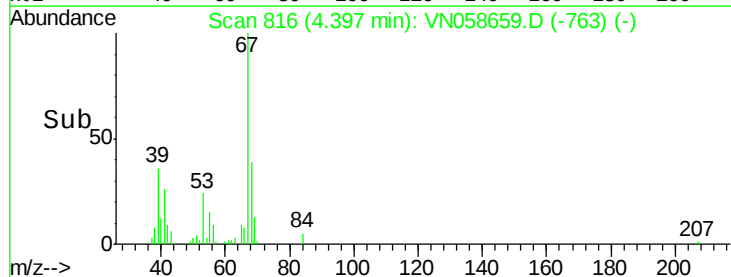
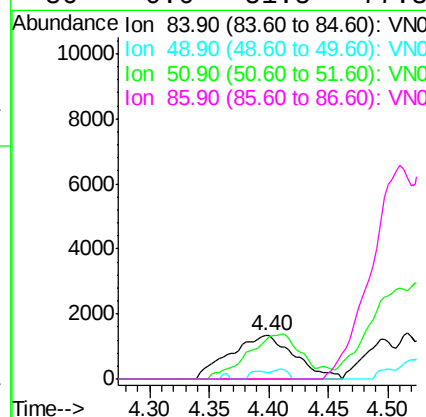
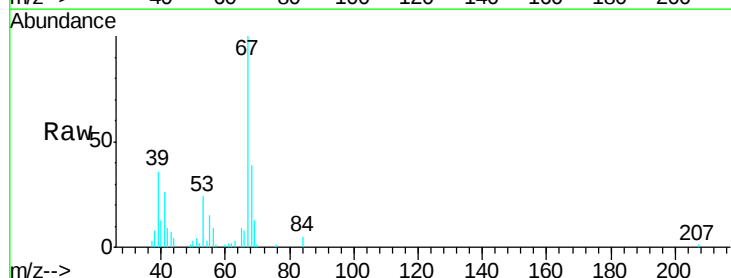
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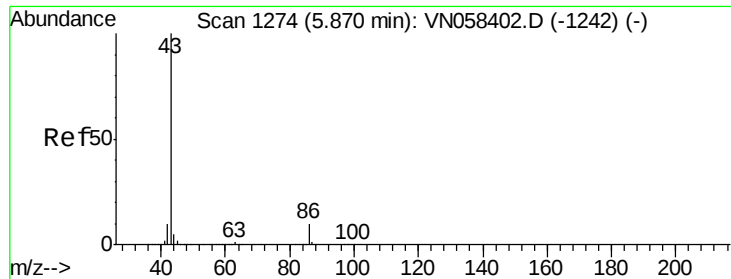
Tgt Ion: 73 Resp: 5112
Ion Ratio Lower Upper
73 100
57 8889.5 17.6 26.4#



#20
Methylene Chloride
Concen: 0.929 ug/l
RT: 4.40 min Scan# 816
Delta R.T. -0.13 min
Lab File: VN058659.D
Acq: 9 Oct 2019 22:28

Tgt Ion: 84 Resp: 5014
Ion Ratio Lower Upper
84 100
49 14.7 107.9 161.9#
51 89.5 32.8 49.2#
86 0.0 51.5 77.3#





#23

Vinyl Acetate

Concen: 2.162 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. 0.04 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

Instrument :

MSVOA_N

ClientSampled :

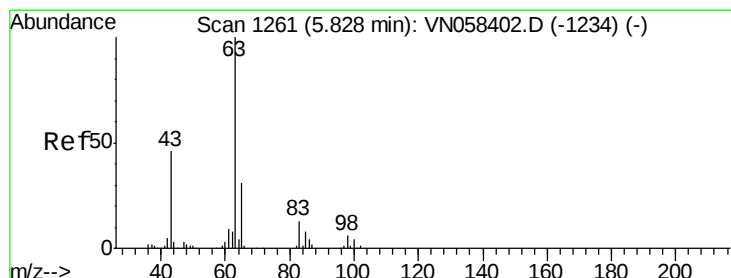
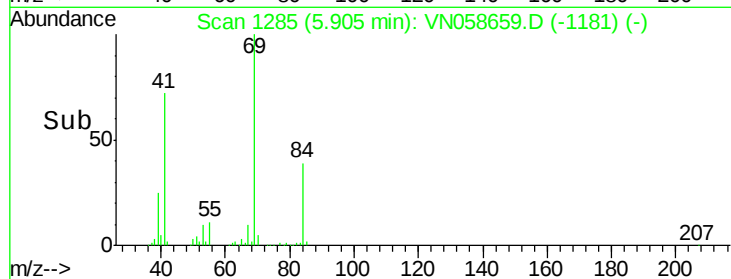
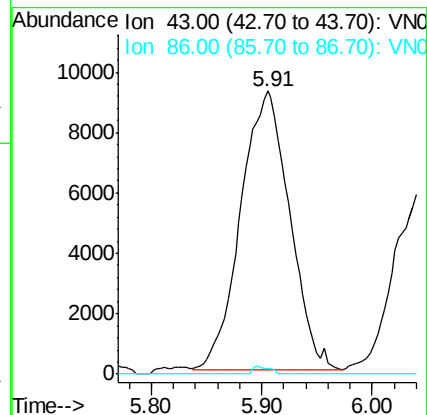
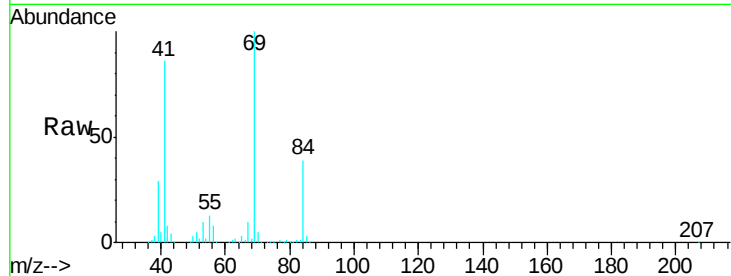
MW-2

Tgt Ion: 43 Resp: 28279

Ion Ratio Lower Upper

43 100

86 1.9 7.7 11.5#



#24

1,1-Dichloroethane

Concen: 1.083 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. 0.08 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

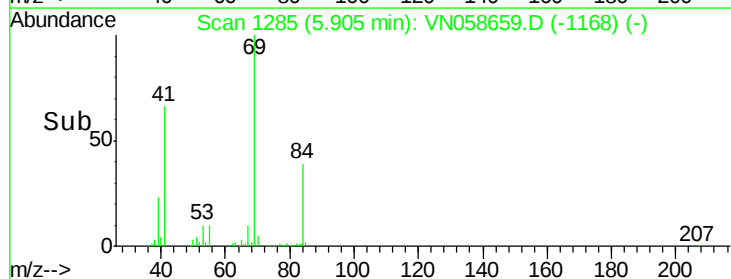
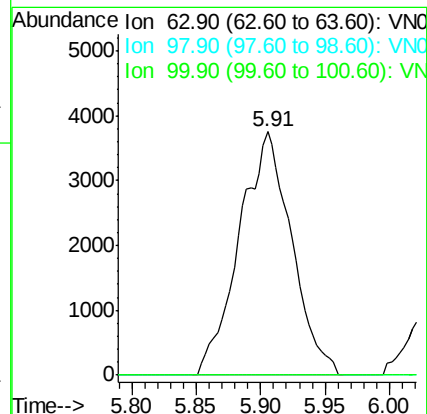
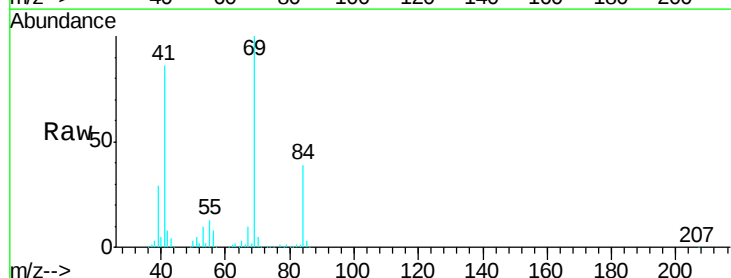
Tgt Ion: 63 Resp: 10573

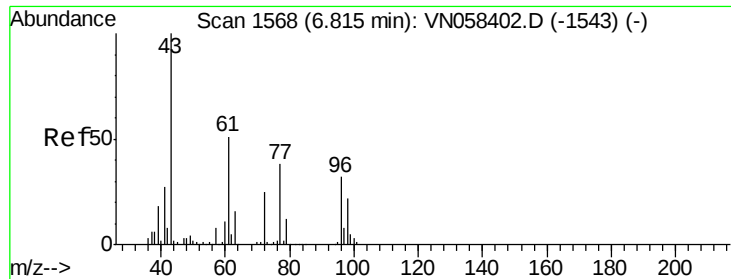
Ion Ratio Lower Upper

63 100

98 0.0 3.0 9.0#

100 0.0 2.0 5.8#





#25

2-Butanone

Concen: 39.929 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

Instrument :

MSVOA_N

ClientSampleId :

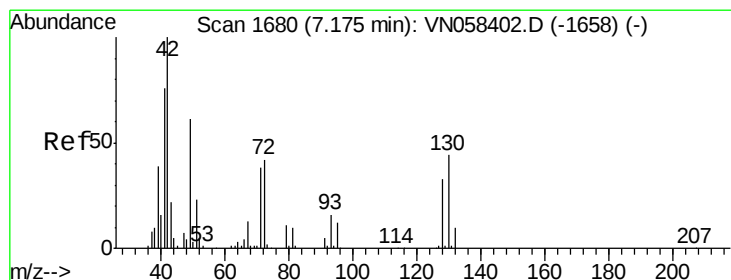
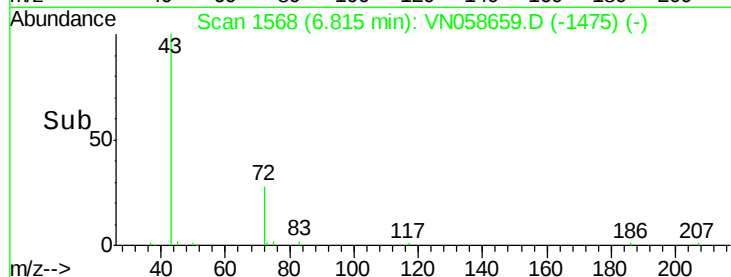
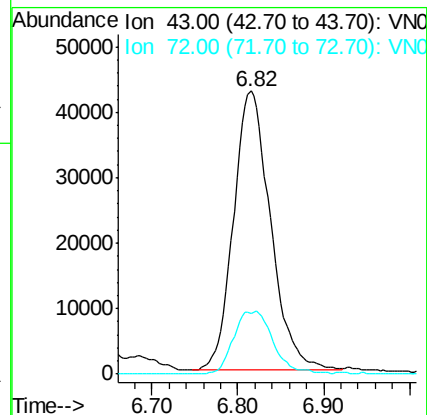
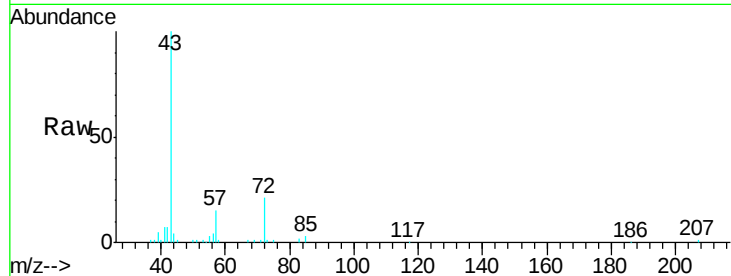
MW-2

Tgt Ion: 43 Resp: 128235

Ion Ratio Lower Upper

43 100

72 21.7 20.2 30.4



#28

Bromochloromethane

Concen: 1.254 ug/l

RT: 7.36 min Scan# 1739

Delta R.T. 0.19 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

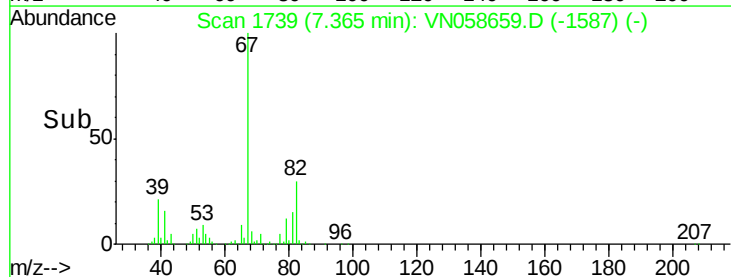
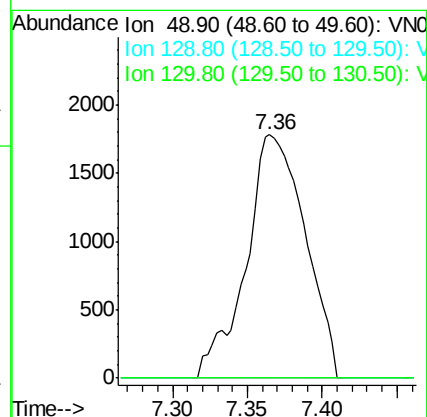
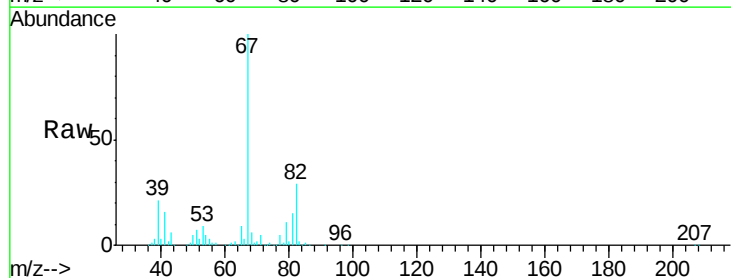
Tgt Ion: 49 Resp: 4893

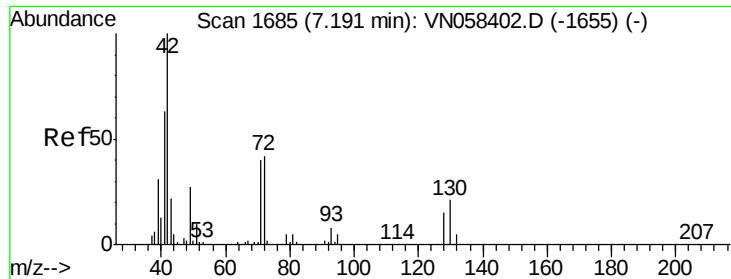
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.4

130 0.0 56.3 84.5#

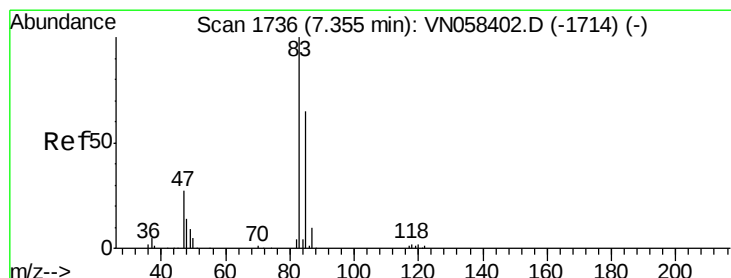
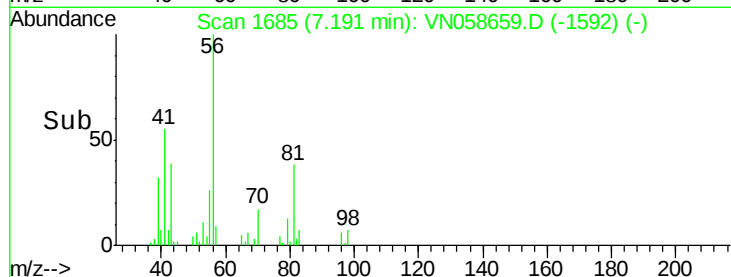
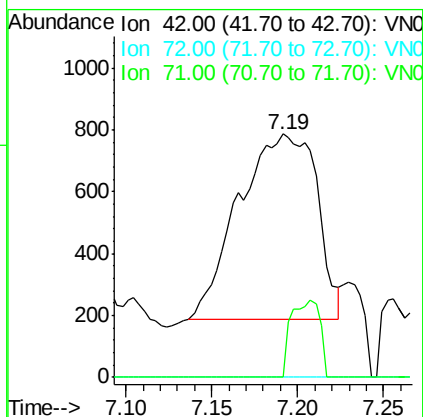
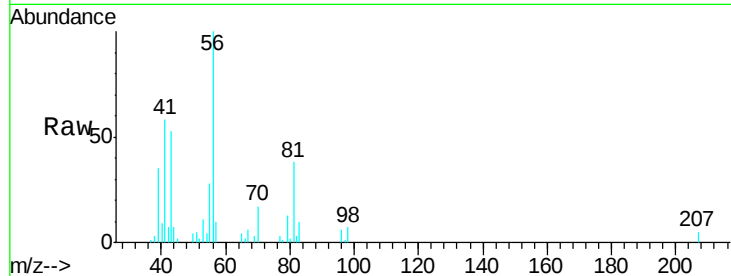




#29
Tetrahydrofuran
Concen: 0.926 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058659.D
Acq: 9 Oct 2019 22:28

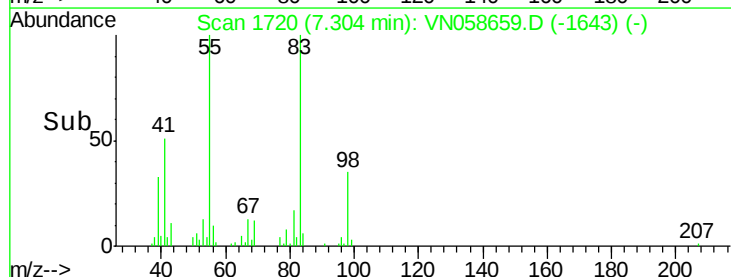
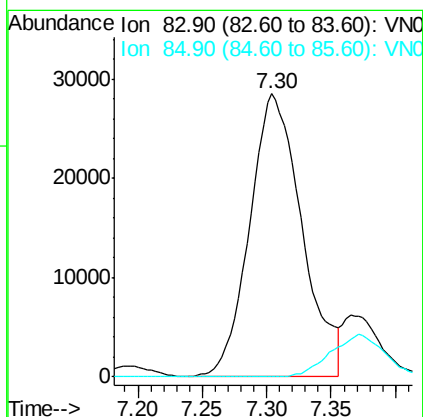
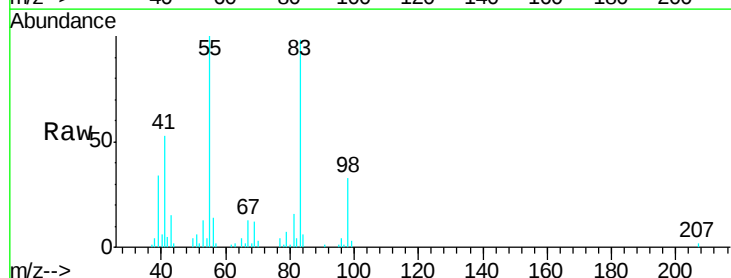
Instrument :
MSVOA_N
ClientSampled :
MW-2

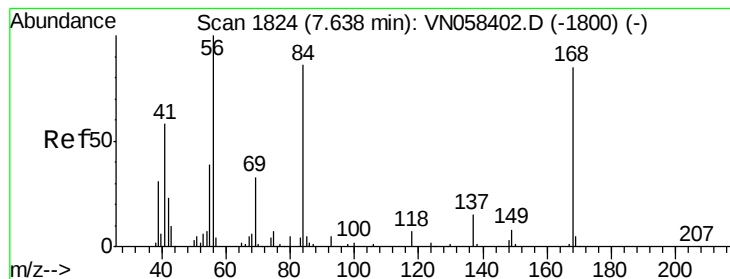
Tgt Ion: 42 Resp: 1887
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 31.8 47.6#



#30
Chloroform
Concen: 8.150 ug/l
RT: 7.30 min Scan# 1720
Delta R.T. -0.05 min
Lab File: VN058659.D
Acq: 9 Oct 2019 22:28

Tgt Ion: 83 Resp: 80625
Ion Ratio Lower Upper
83 100
85 0.0 52.0 78.0#





#31

Cyclohexane

Concen: 58.602 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

Instrument :

MSVOA_N

ClientSampled :

MW-2

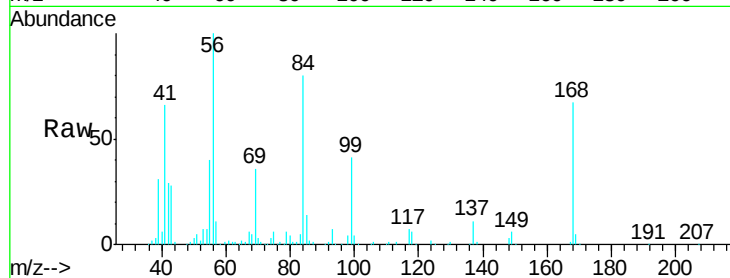
Tgt Ion: 56 Resp: 556517

Ion Ratio Lower Upper

56 100

69 32.5 26.2 39.4

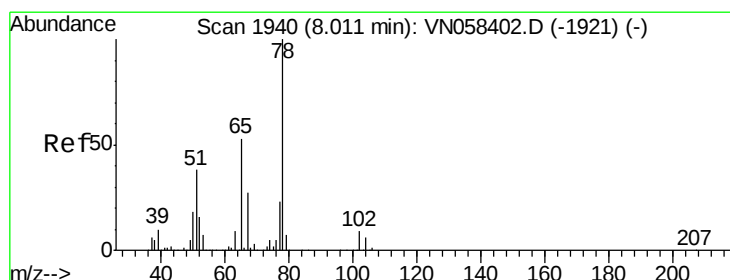
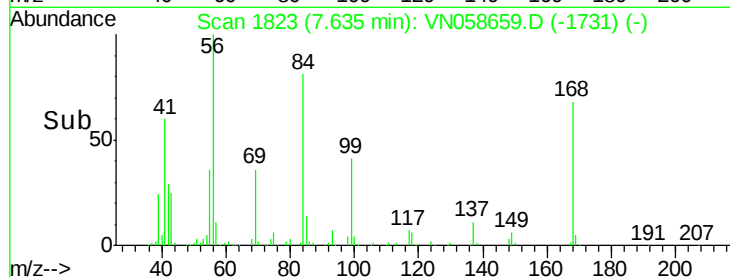
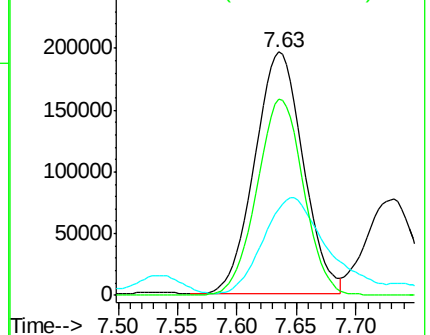
84 80.8 67.6 101.4



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: 46.467 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058659.D

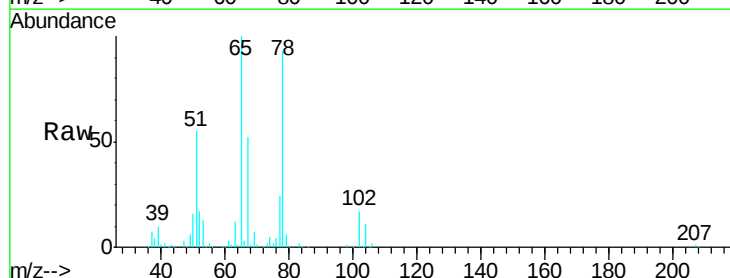
Acq: 9 Oct 2019 22:28

Tgt Ion: 65 Resp: 318849

Ion Ratio Lower Upper

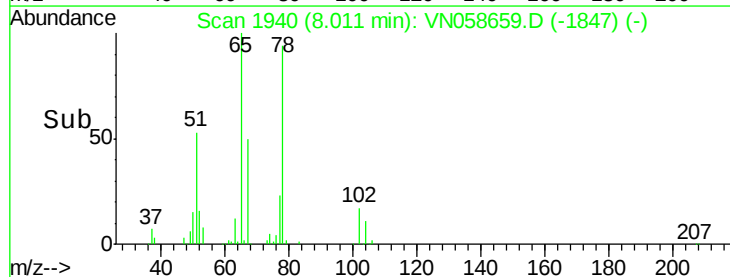
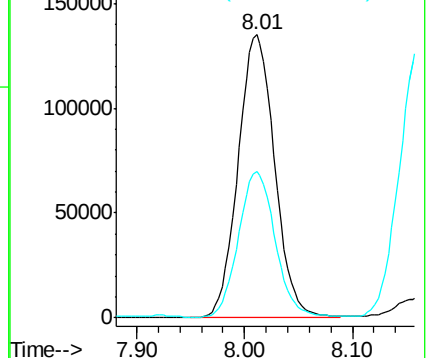
65 100

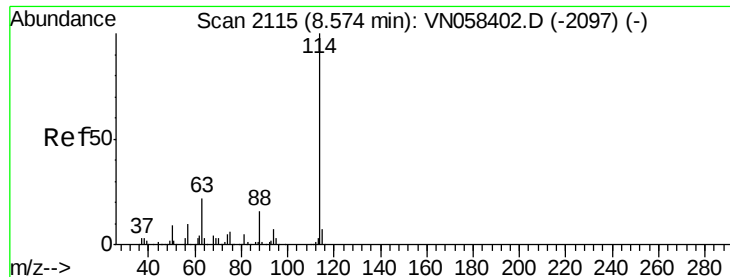
67 51.9 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

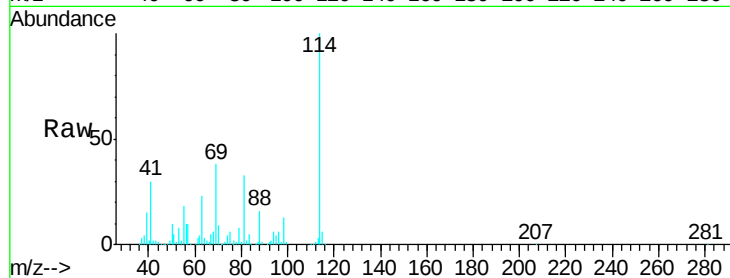




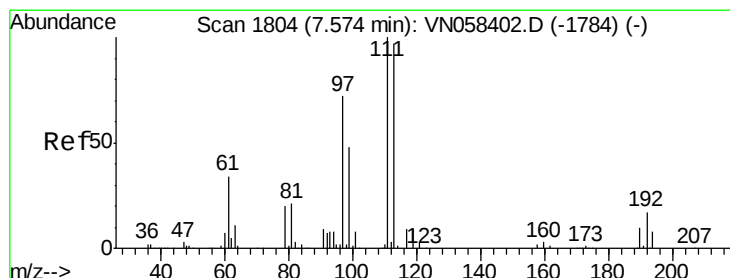
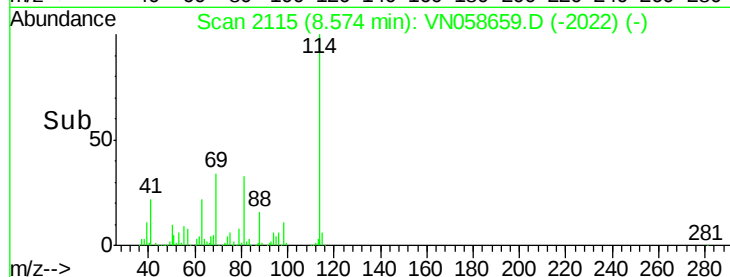
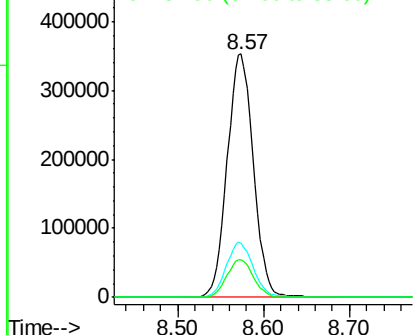
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058659.D
 Acq: 9 Oct 2019 22:28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Tgt Ion:114 Resp: 744931
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.0
 88 15.6 0.0 32.2

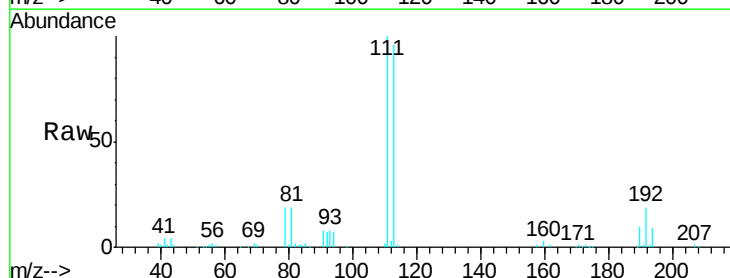


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

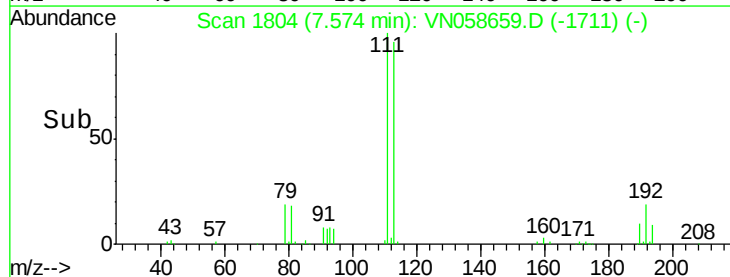
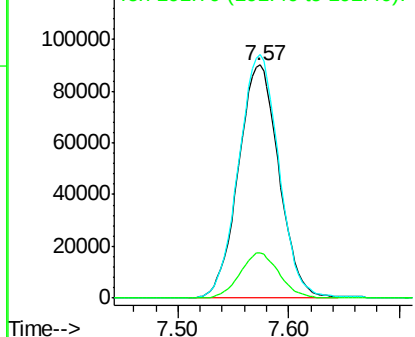


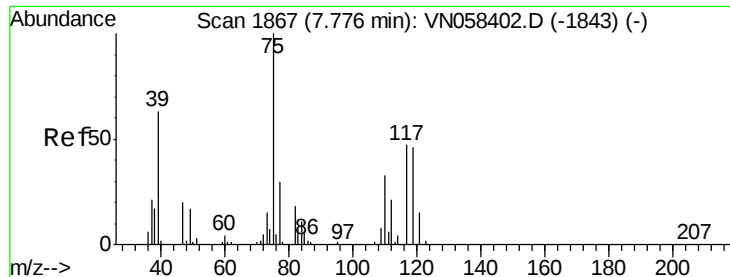
#35
 Dibromofluoromethane
 Concen: 50.350 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058659.D
 Acq: 9 Oct 2019 22:28

Tgt Ion:113 Resp: 229877
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.4 125.2
 192 18.8 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

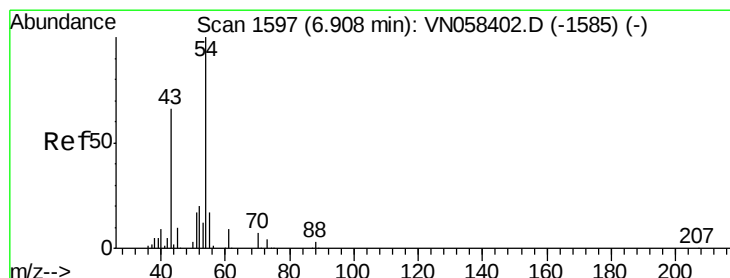
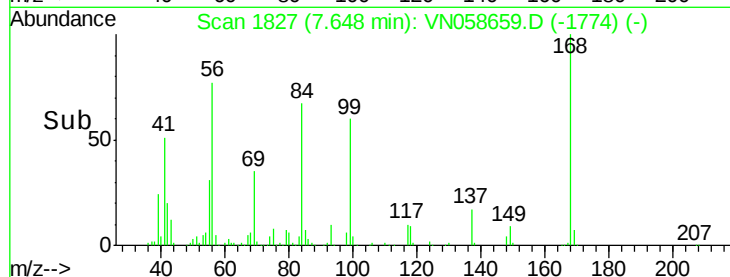
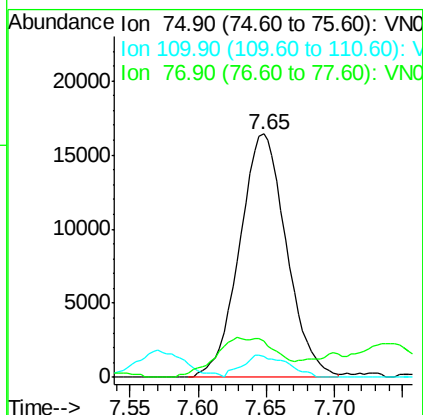
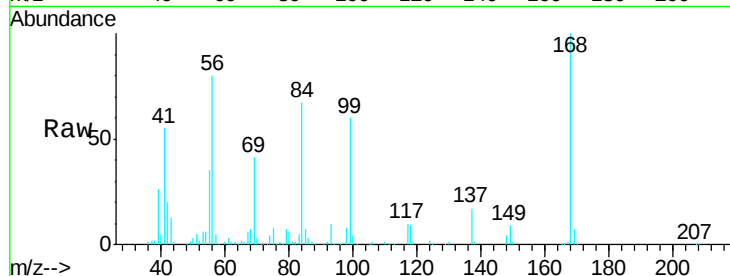




#36
 1,1-Dichloropropene
 Concen: 5.505 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058659.D
 Acq: 9 Oct 2019 22:28

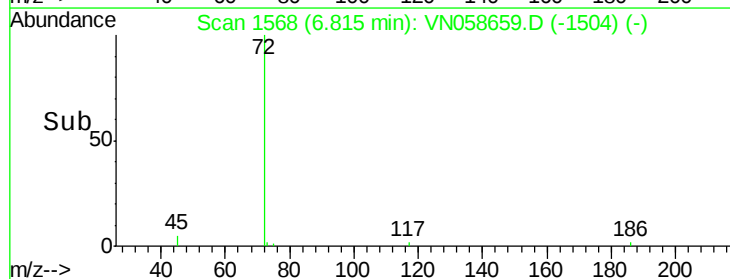
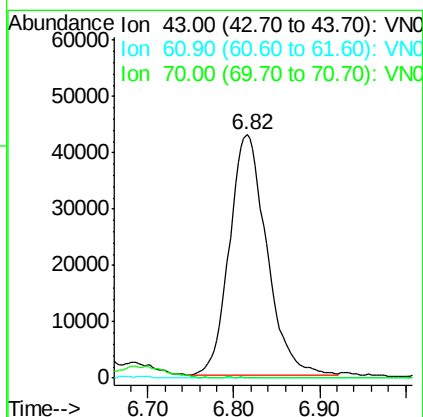
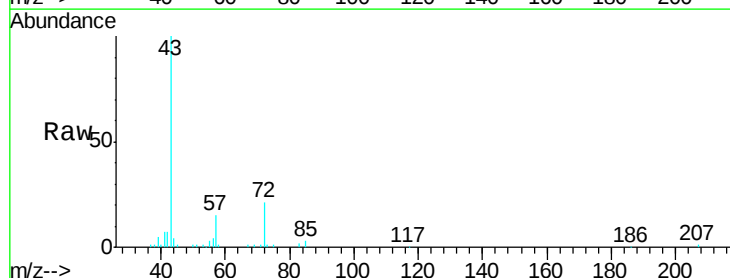
Instrument :
 MSVOA_N
 ClientSampled :
 MW-2

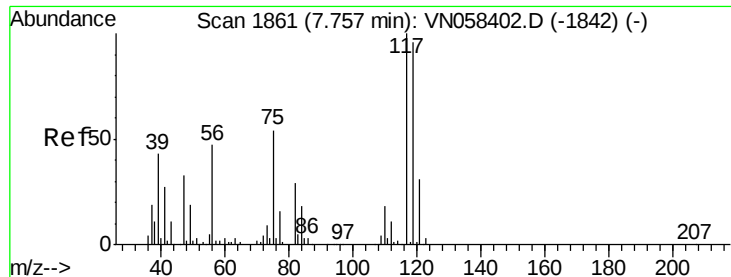
Tgt Ion: 75 Resp: 39215
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.4 49.2#
 77 11.0 24.3 36.5#



#37
 Ethyl Acetate
 Concen: 21.234 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. -0.09 min
 Lab File: VN058659.D
 Acq: 9 Oct 2019 22:28

Tgt Ion: 43 Resp: 128235
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.5 15.7#
 70 0.0 7.8 11.6#





#38

Carbon Tetrachloride

Concen: 7.392 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

Instrument :

MSVOA_N

ClientSampleId :

MW-2

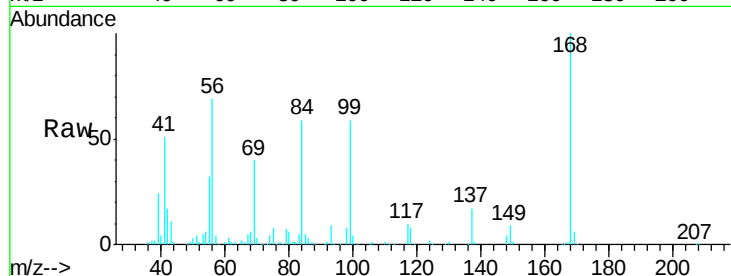
Tgt Ion:117 Resp: 47524

Ion Ratio Lower Upper

117 100

119 4.9 76.6 115.0#

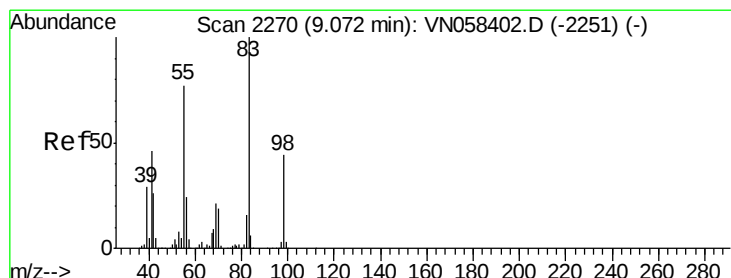
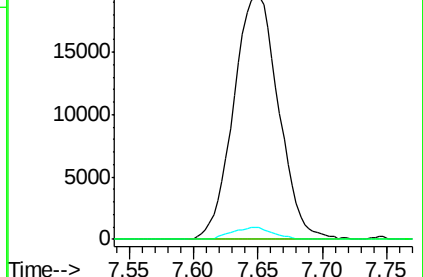
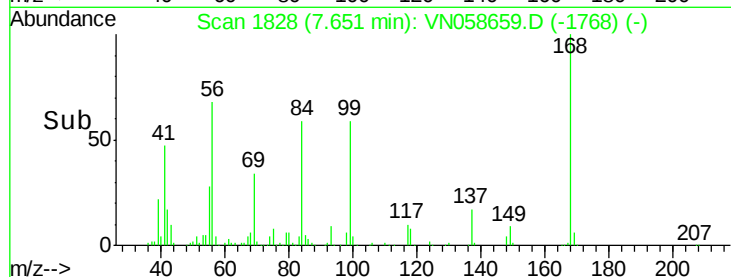
121 0.0 24.7 37.1#



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: 55.087 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

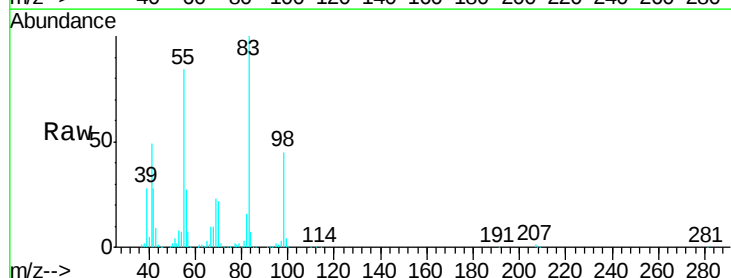
Tgt Ion: 83 Resp: 458220

Ion Ratio Lower Upper

83 100

55 83.5 61.8 92.6

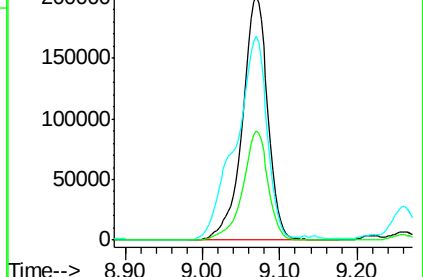
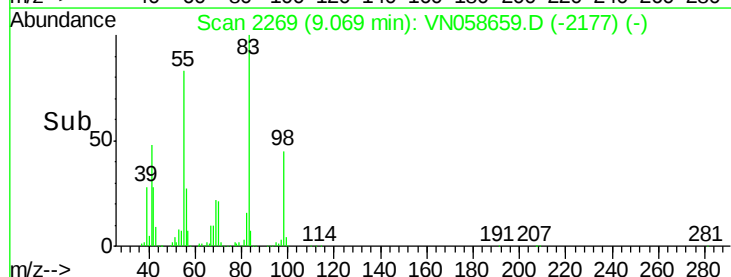
98 45.0 35.4 53.0

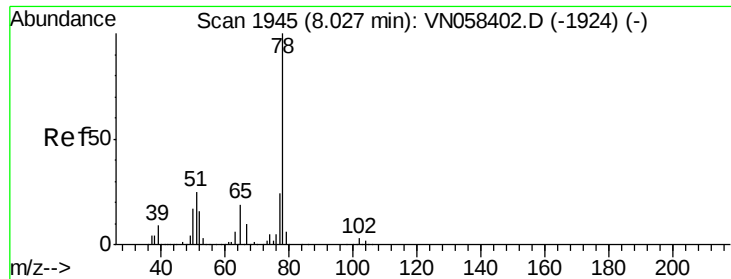


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#40

Benzene

Concen: 22.493 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

Instrument :

MSVOA_N

ClientSampled :

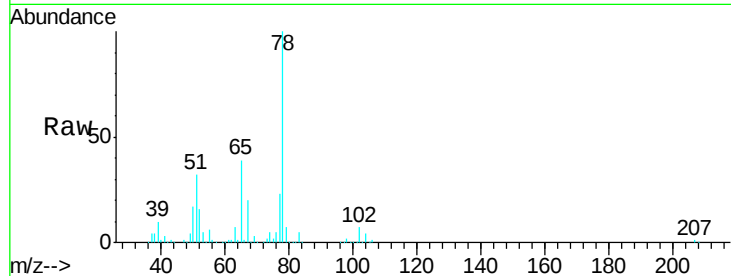
MW-2

Tgt Ion: 78 Resp: 460549

Ion Ratio Lower Upper

78 100

77 23.3 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

200000

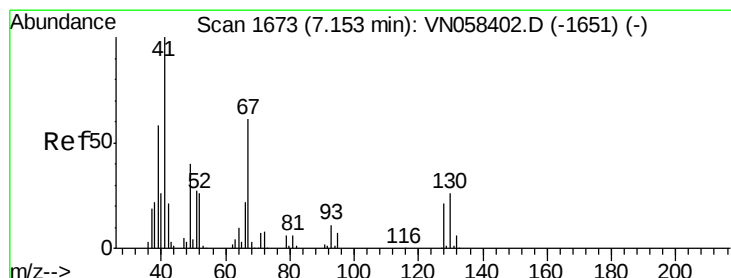
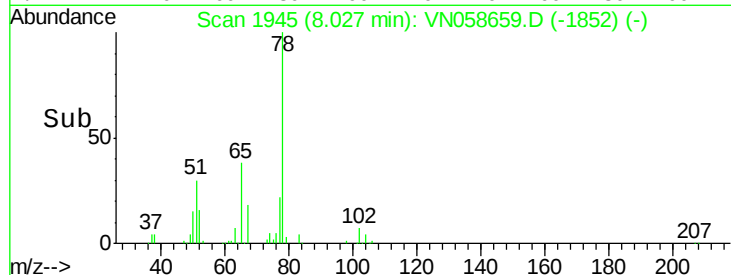
150000

100000

50000

0

Time-->



#41

Methacrylonitrile

Concen: 7.290 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.04 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

Tgt Ion: 41 Resp: 20254

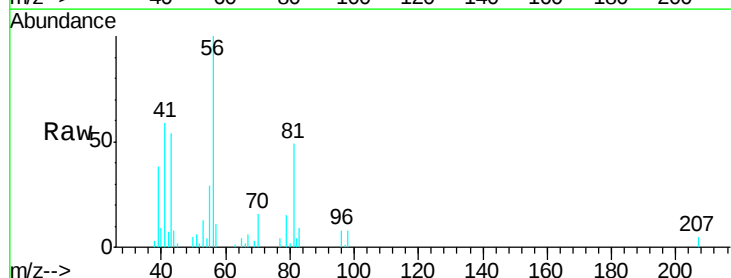
Ion Ratio Lower Upper

41 100

39 51.8 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

20000

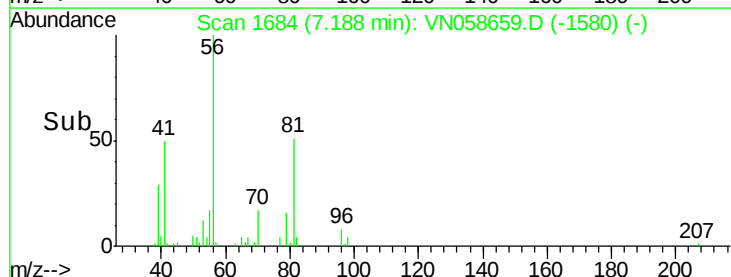
15000

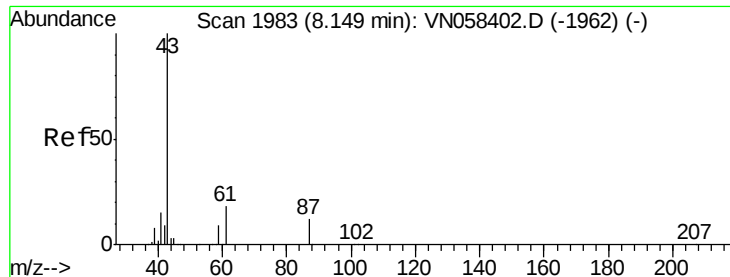
10000

5000

0

Time-->





#43

Isopropyl Acetate

Concen: 4.899 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. -0.02 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

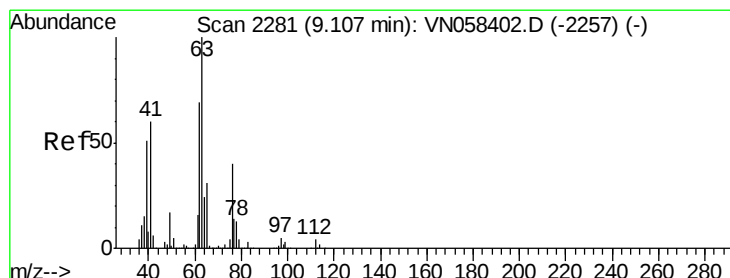
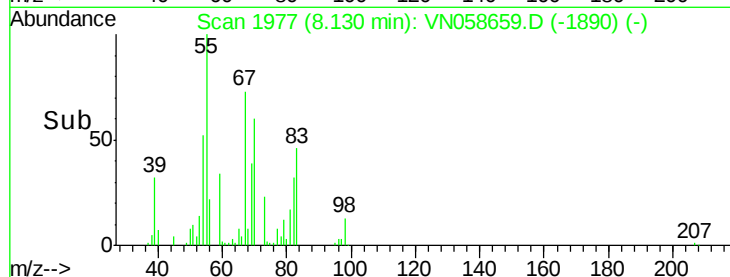
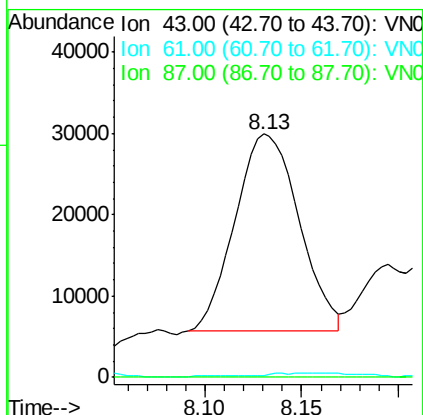
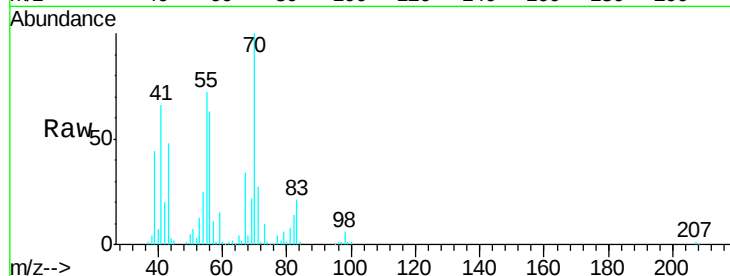
Instrument :

MSVOA_N

ClientSampleId :

MW-2

Tgt Ion:	43	Resp:	55630
Ion	Ratio	Lower	Upper
43	100		
61	0.0	14.8	22.2#
87	0.0	9.7	14.5#



#45

1,2-Dichloropropane

Concen: 0.833 ug/l

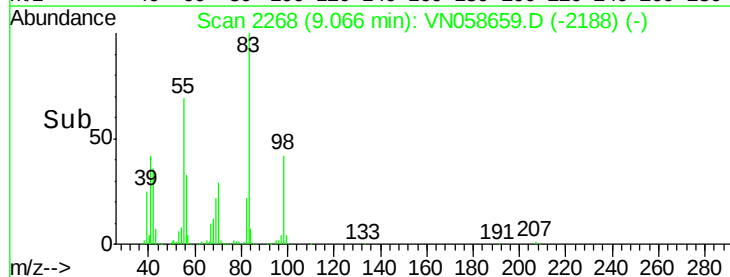
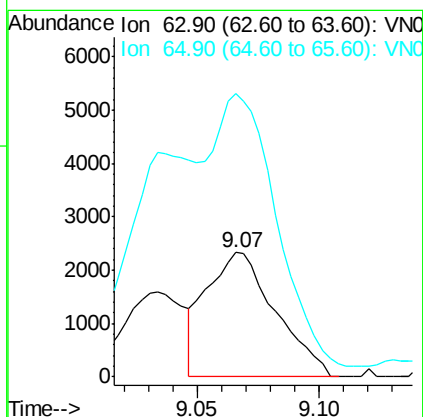
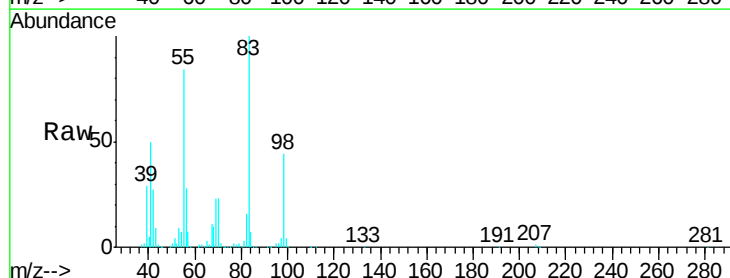
RT: 9.07 min Scan# 2268

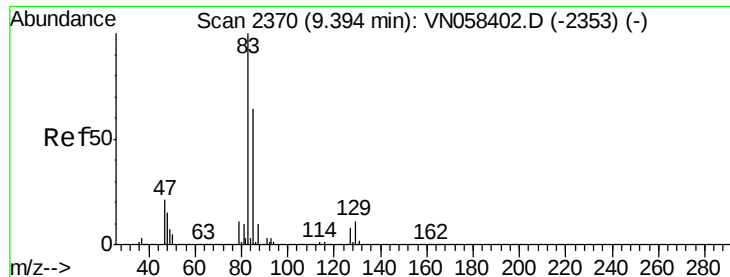
Delta R.T. -0.04 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

Tgt Ion:	63	Resp:	4572
Ion	Ratio	Lower	Upper
63	100		
65	217.0	25.0	37.4#





#47

Bromodichloromethane

Concen: 4.330 ug/l

RT: 9.38 min Scan# 2366

Delta R.T. -0.01 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

Instrument :

MSVOA_N

ClientSampled :

MW-2

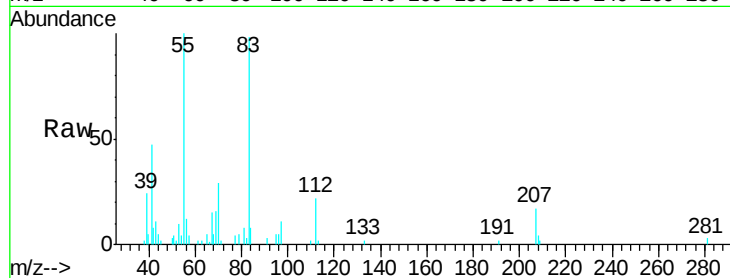
Tgt Ion: 83 Resp: 28531

Ion Ratio Lower Upper

83 100

85 0.0 51.2 76.8#

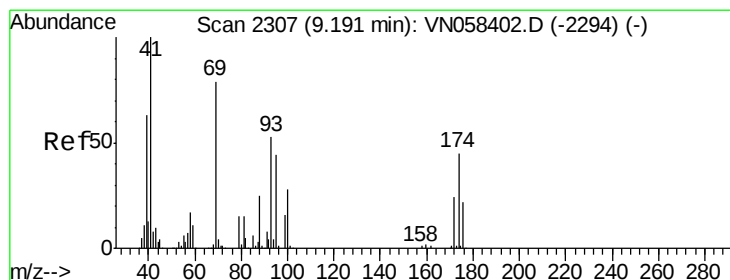
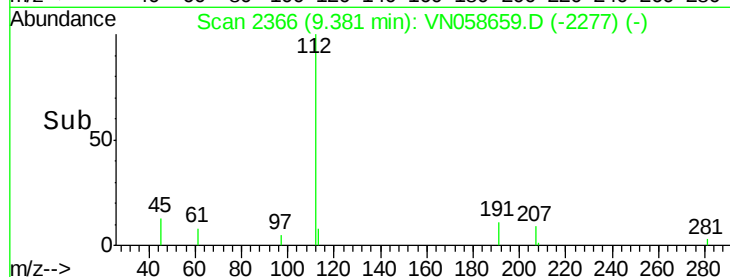
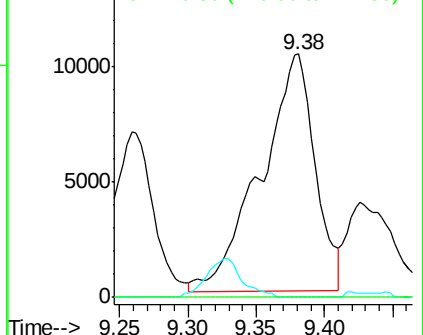
127 0.0 6.3 9.5#



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): VN0



#48

Methyl methacrylate

Concen: 1.951 ug/l

RT: 9.14 min Scan# 2290

Delta R.T. -0.05 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

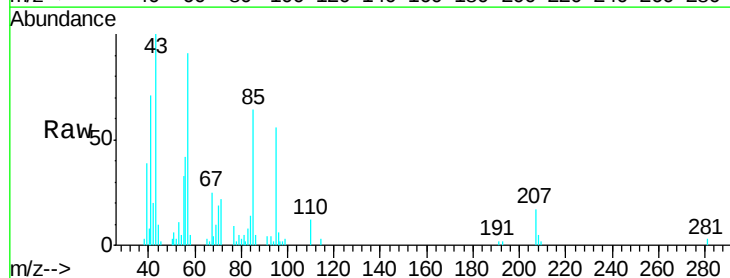
Tgt Ion: 41 Resp: 10090

Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

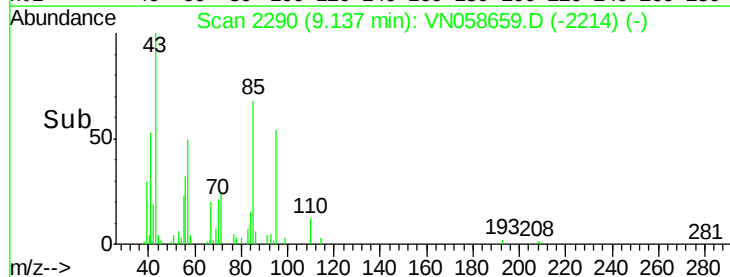
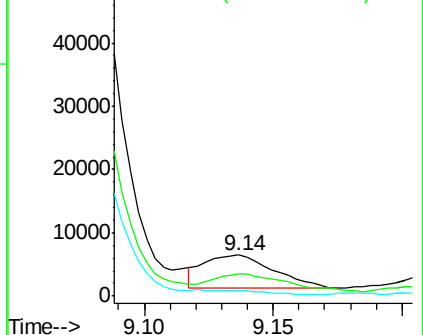
39 0.0 52.9 79.3#

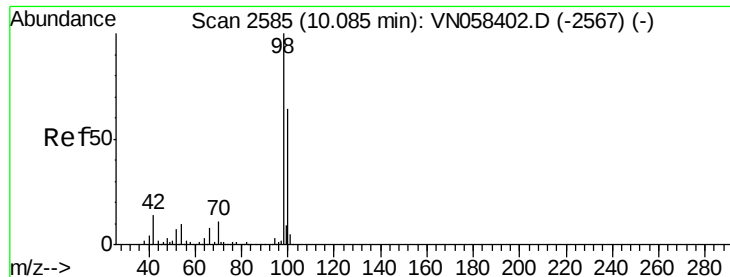


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 52.481 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

Instrument :

MSVOA_N

ClientSampled :

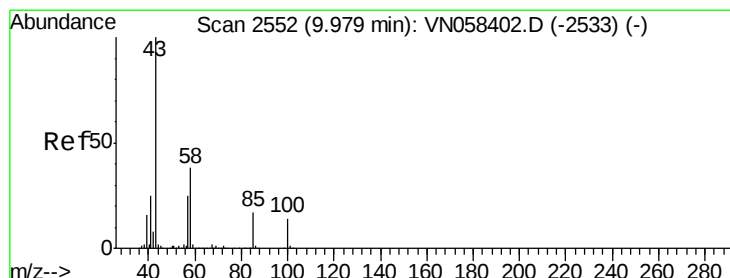
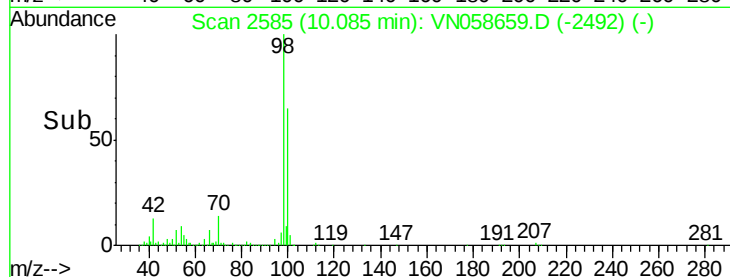
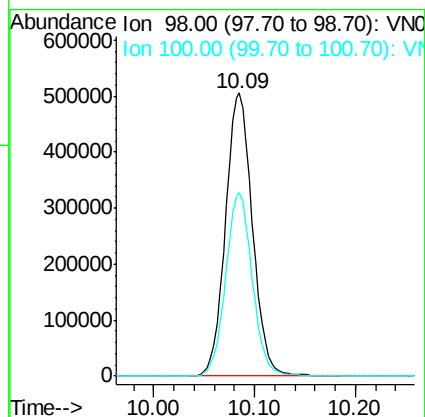
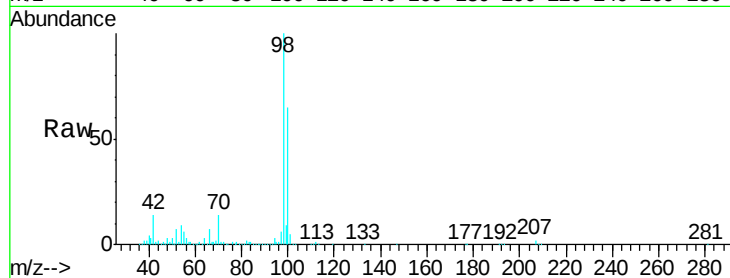
MW-2

Tgt Ion: 98 Resp: 938652

Ion Ratio Lower Upper

98 100

100 64.3 51.0 76.6



#51

4-Methyl-2-Pentanone

Concen: 0.772 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058659.D

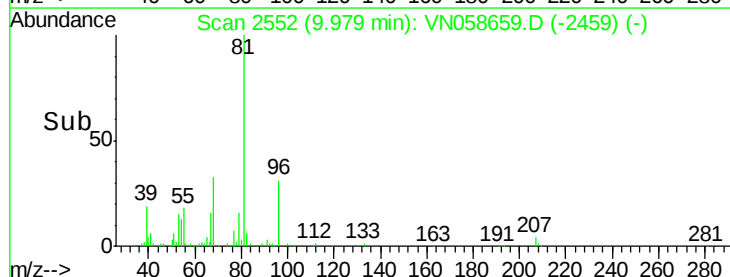
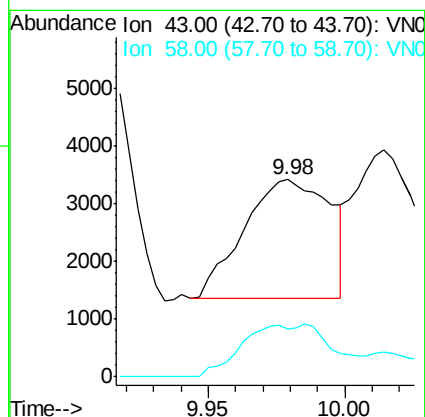
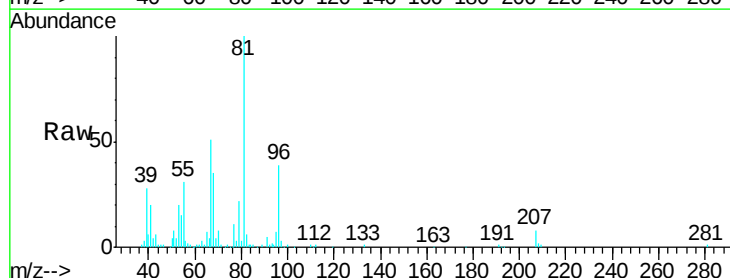
Acq: 9 Oct 2019 22:28

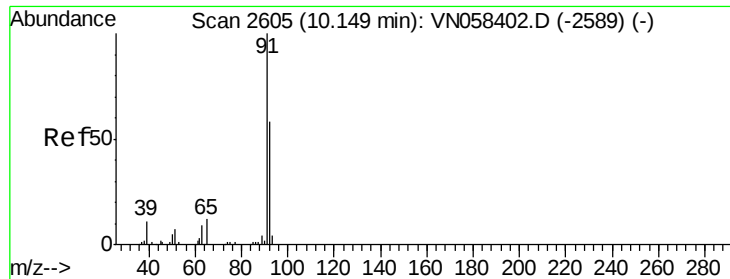
Tgt Ion: 43 Resp: 4501

Ion Ratio Lower Upper

43 100

58 24.8 30.2 45.2#





#52

Toluene

Concen: 8.450 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

Instrument :

MSVOA_N

ClientSampled :

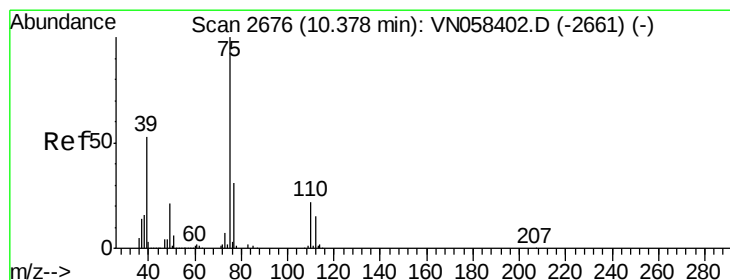
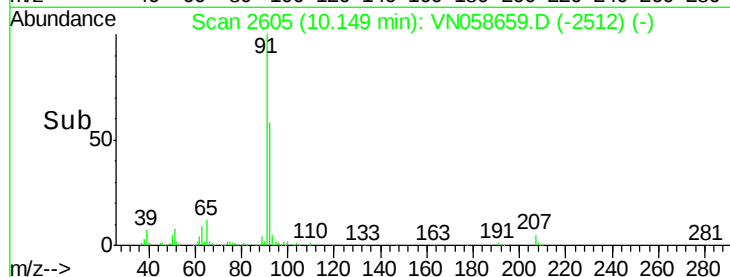
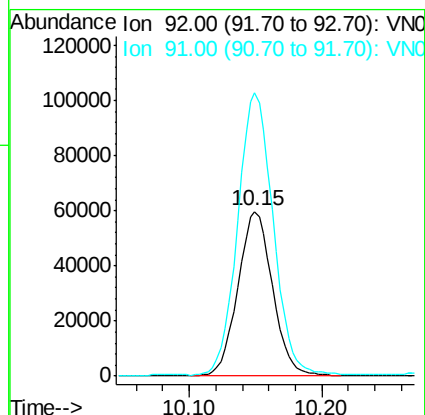
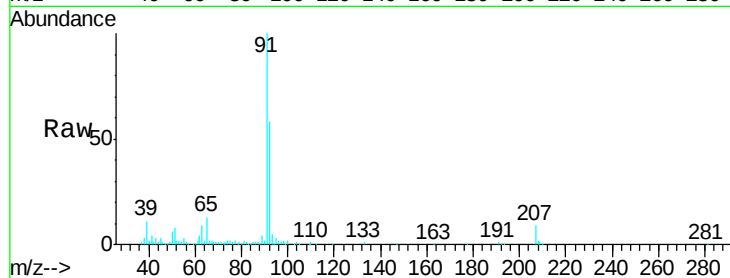
MW-2

Tgt Ion: 92 Resp: 108895

Ion Ratio Lower Upper

92 100

91 174.2 140.2 210.4



#53

t-1,3-Dichloropropene

Concen: 0.207 ug/l

RT: 10.48 min Scan# 2707

Delta R.T. 0.10 min

Lab File: VN058659.D

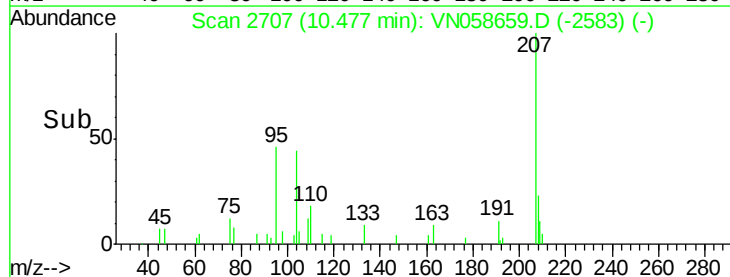
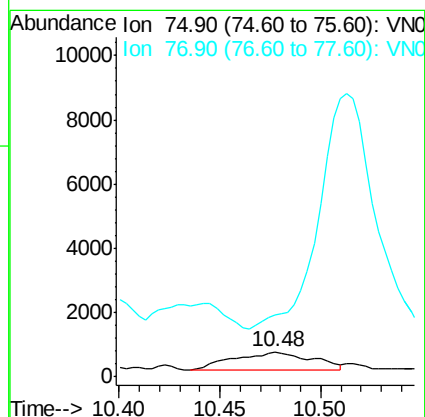
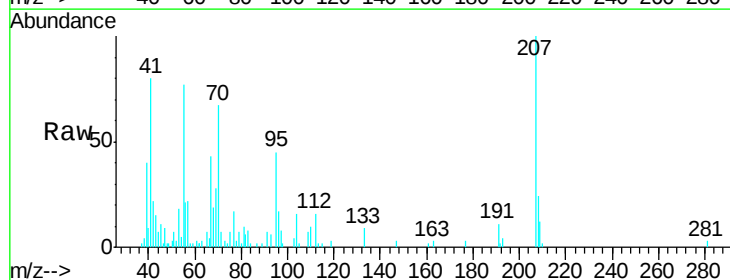
Acq: 9 Oct 2019 22:28

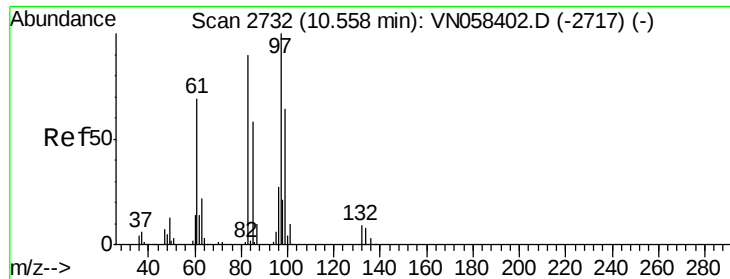
Tgt Ion: 75 Resp: 1484

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#





#55

1,1,2-Trichloroethane

Concen: 12.890 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.03 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

Instrument :

MSVOA_N

ClientSampleId :

MW-2

Tgt Ion: 97 Resp: 60486

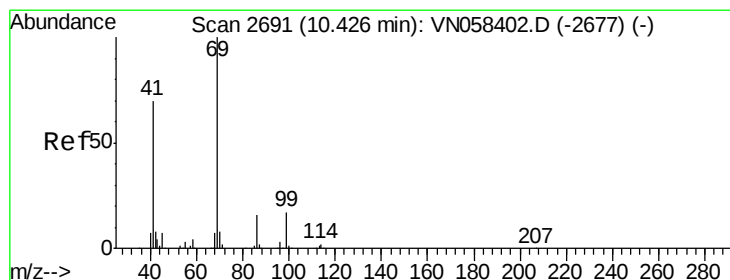
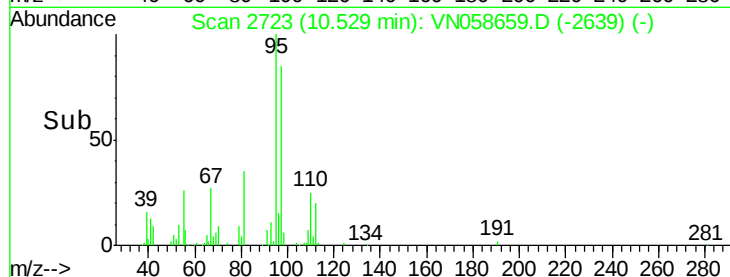
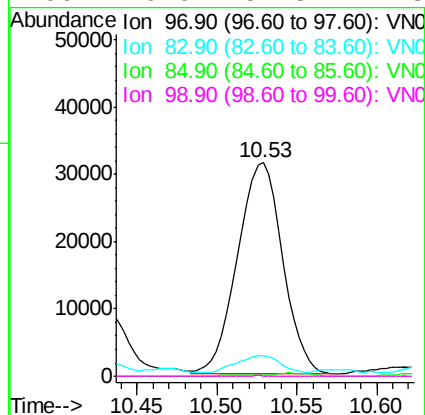
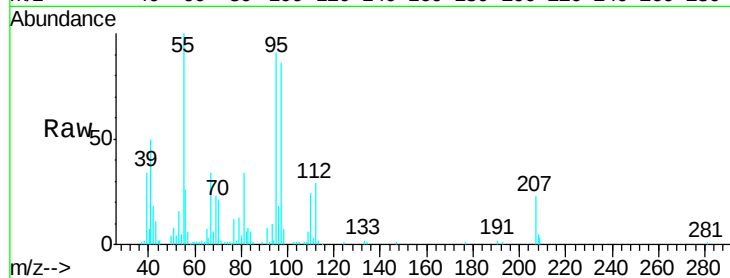
Ion Ratio Lower Upper

97 100

83 7.4 71.8 107.6#

85 0.7 46.6 69.8#

99 0.0 51.5 77.3#



#56

Ethyl methacrylate

Concen: 0.544 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

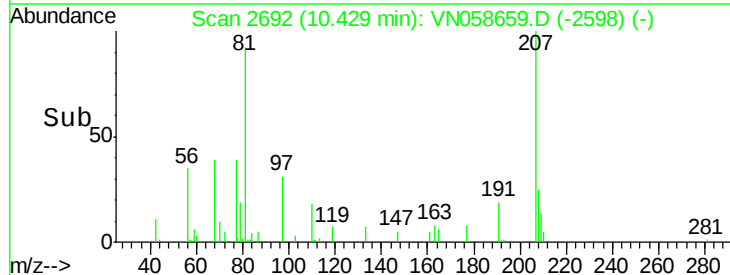
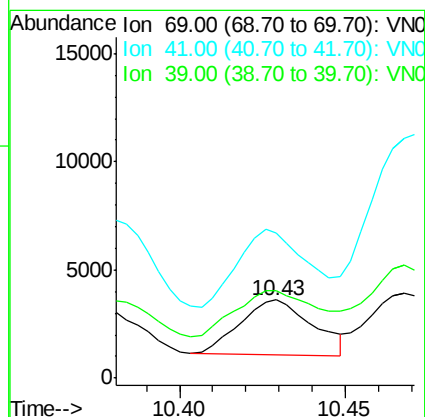
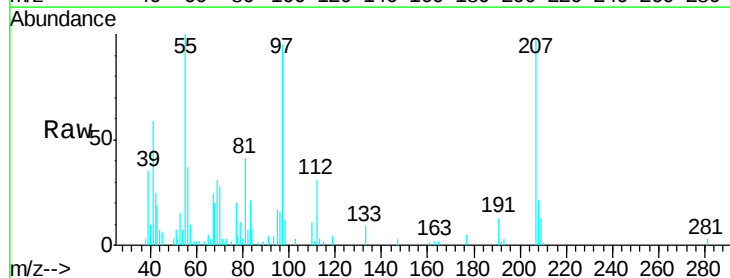
Tgt Ion: 69 Resp: 3874

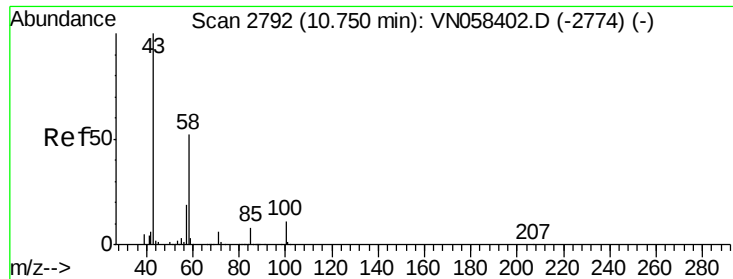
Ion Ratio Lower Upper

69 100

41 130.1 56.3 84.5#

39 96.1 35.8 53.6#

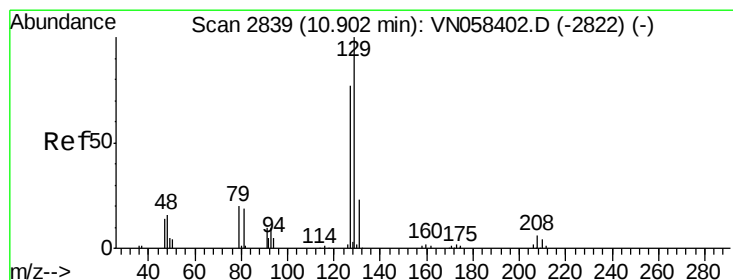
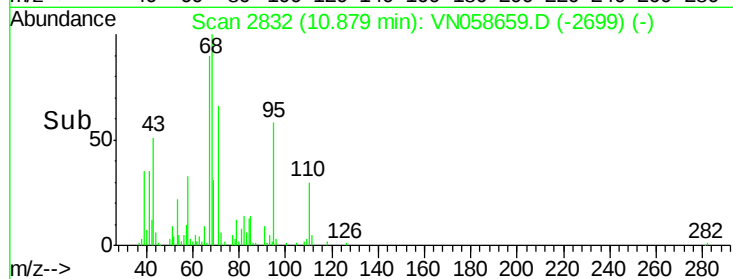
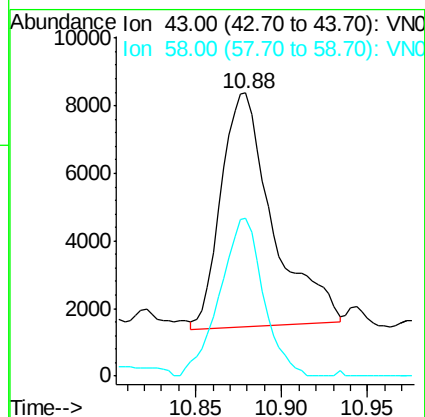
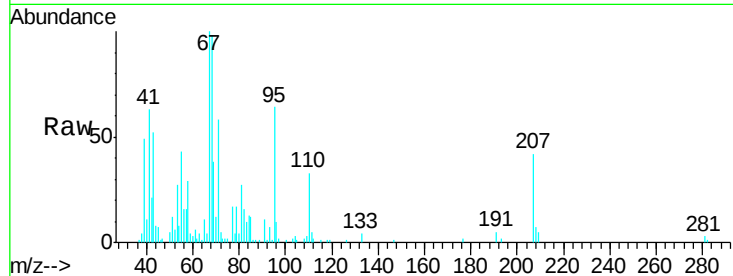




#59
2-Hexanone
Concen: 3.411 ug/l
RT: 10.88 min Scan# 2832
Delta R.T. 0.13 min
Lab File: VN058659.D
Acq: 9 Oct 2019 22:28

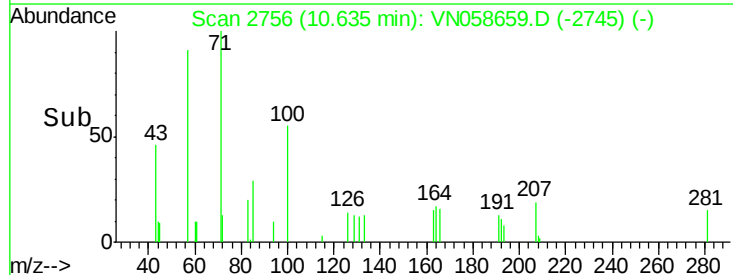
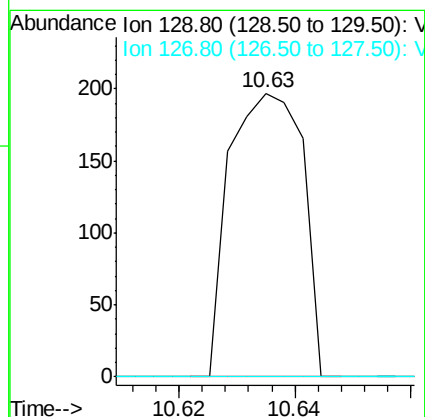
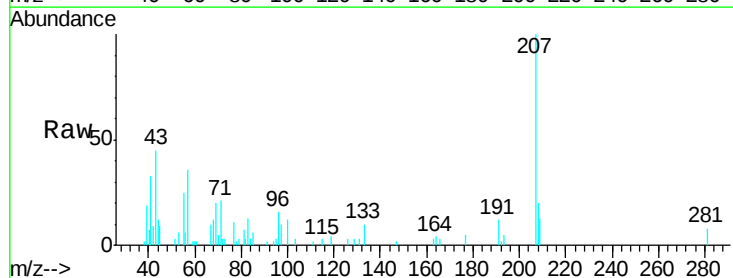
Instrument :
MSVOA_N
ClientSampleId :
MW-2

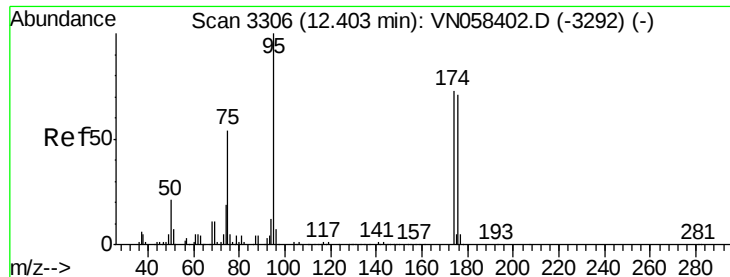
Tgt Ion: 43 Resp: 14490
Ion Ratio Lower Upper
43 100
58 56.8 25.8 77.3



#60
Dibromochloromethane
Concen: Below Cal
RT: 10.63 min Scan# 2756
Delta R.T. -0.27 min
Lab File: VN058659.D
Acq: 9 Oct 2019 22:28

Tgt Ion: 129 Resp: 172
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.8#





#62

4-Bromofluorobenzene

Concen: 50.199 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

Instrument :

MSVOA_N

ClientSampled :

MW-2

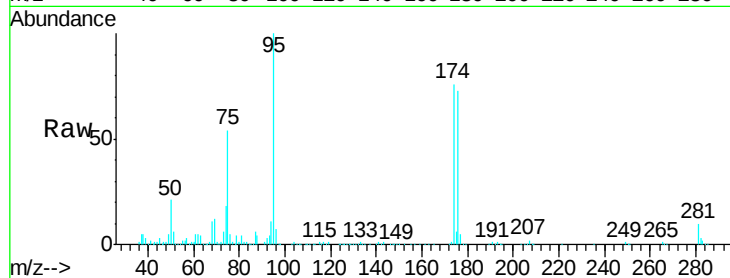
Tgt Ion: 95 Resp: 324635

Ion Ratio Lower Upper

95 100

174 76.0 0.0 150.6

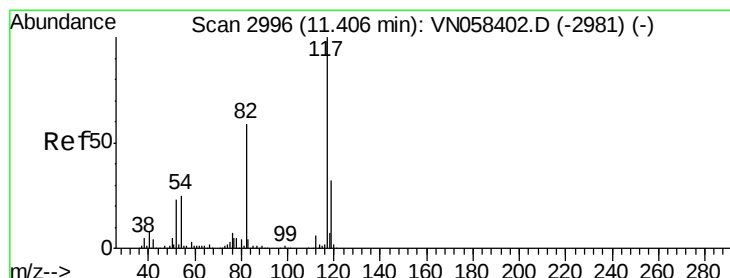
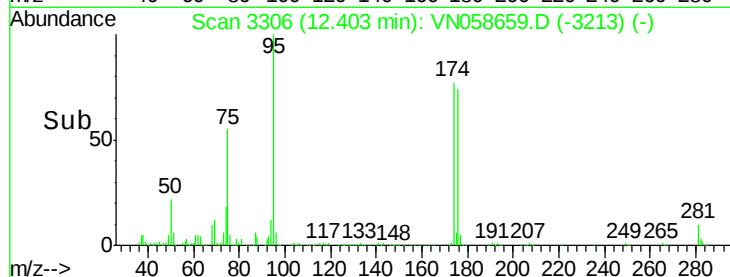
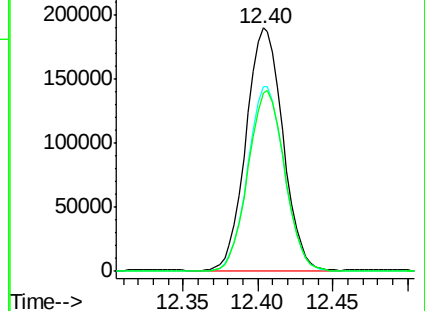
176 74.5 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VN058402.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058402.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058402.D (-3292) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

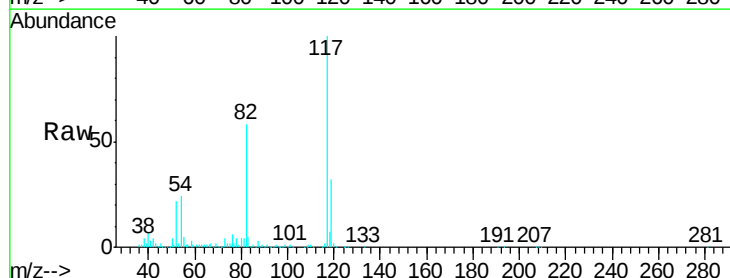
Tgt Ion: 117 Resp: 650518

Ion Ratio Lower Upper

117 100

82 58.1 47.4 71.0

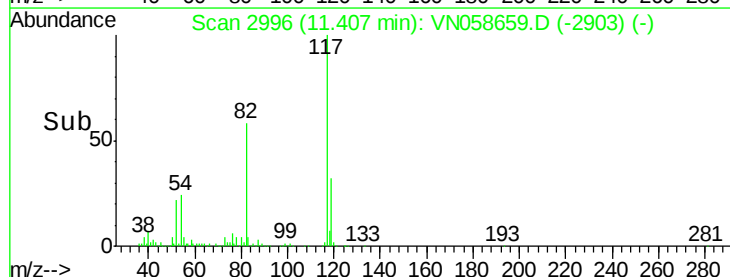
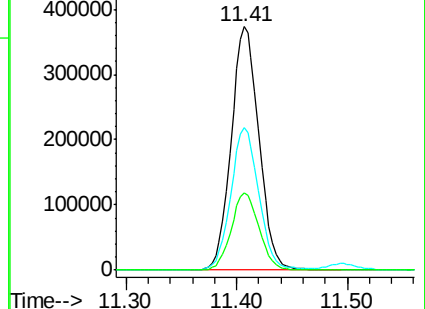
119 31.9 25.5 38.3

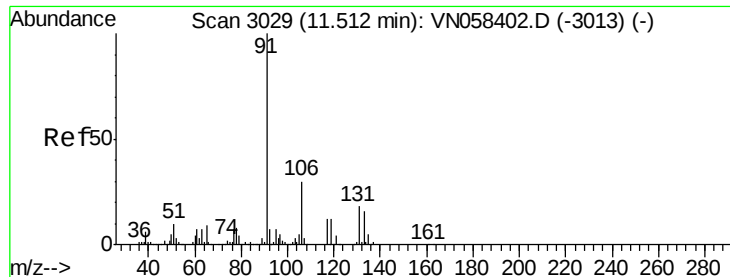


Abundance Ion 116.90 (116.60 to 117.60): VN058402.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058402.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058402.D (-2981) (-)





#67

Ethyl Benzene

Concen: 9.955 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

Instrument :

MSVOA_N

ClientSampled :

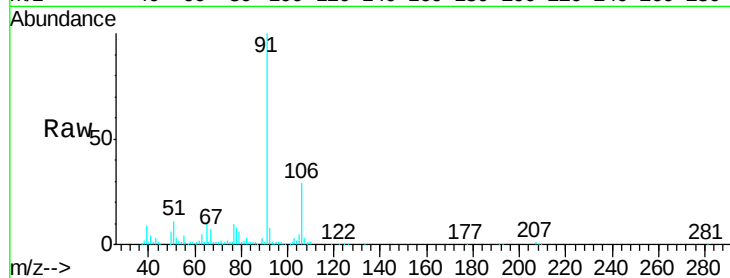
MW-2

Tgt Ion: 91 Resp: 233155

Ion Ratio Lower Upper

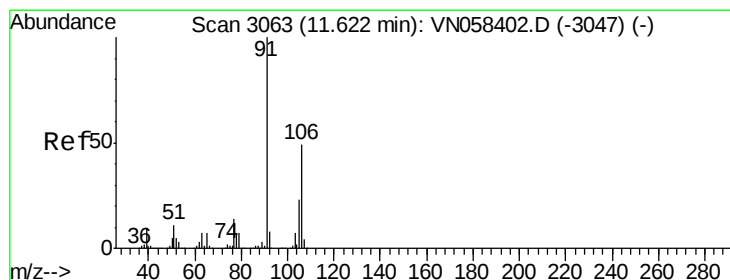
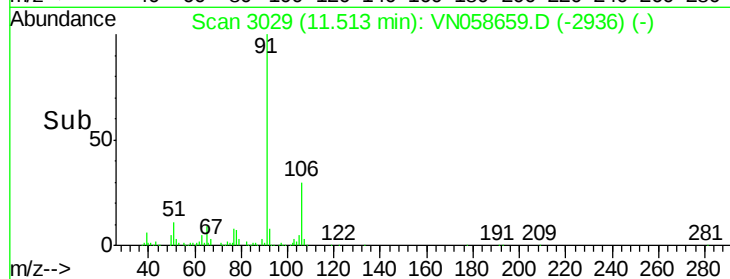
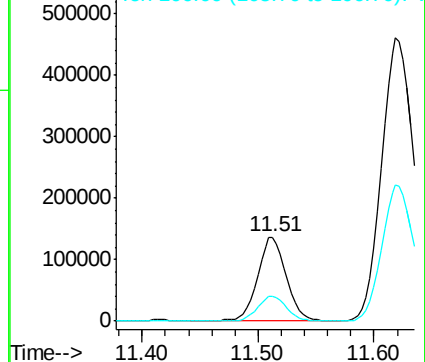
91 100

106 29.6 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN058402.D (-3013) (-)

Ion 106.00 (105.70 to 106.70): VN058402.D (-3013) (-)



#68

m/p-Xylenes

Concen: 48.844 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN058659.D

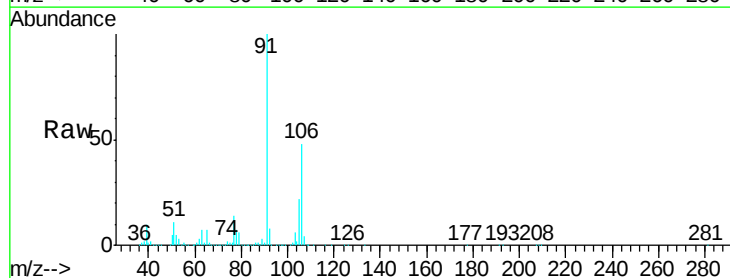
Acq: 9 Oct 2019 22:28

Tgt Ion: 106 Resp: 430416

Ion Ratio Lower Upper

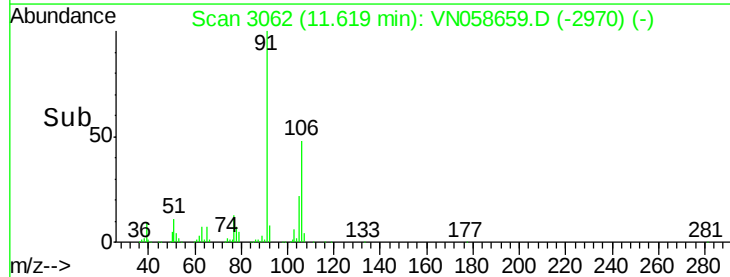
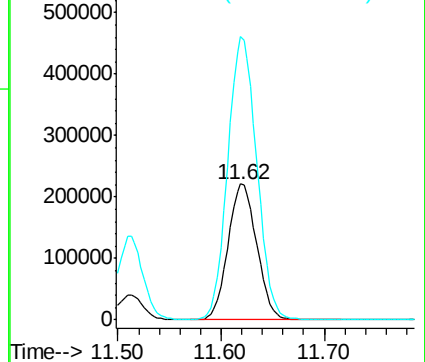
106 100

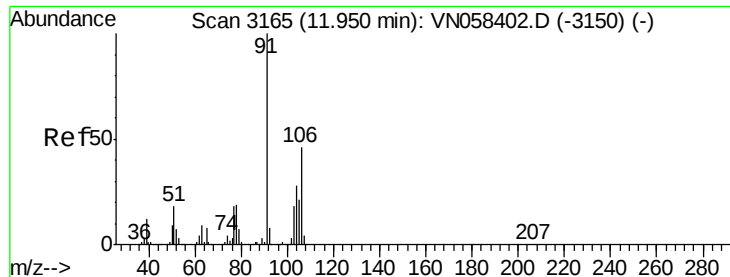
91 209.1 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN058402.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN058402.D (-3047) (-)





#69

o-Xylene

Concen: 1.597 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

Instrument :

MSVOA_N

ClientSampled :

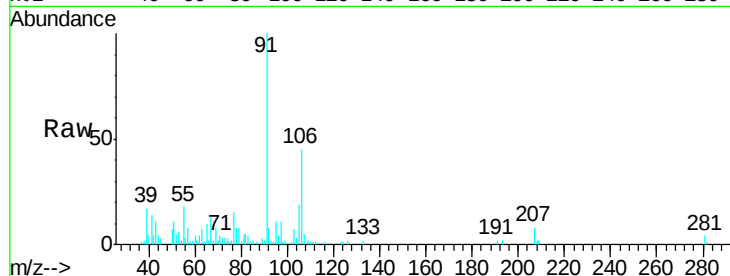
MW-2

Tgt Ion:106 Resp: 13549

Ion Ratio Lower Upper

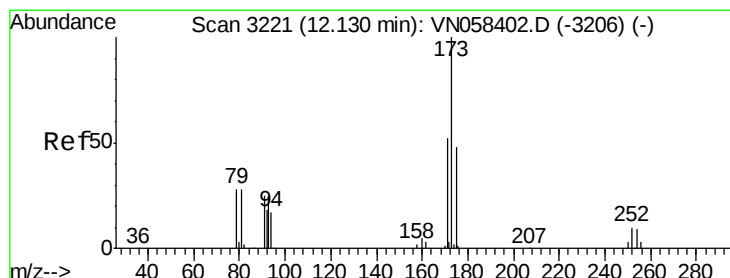
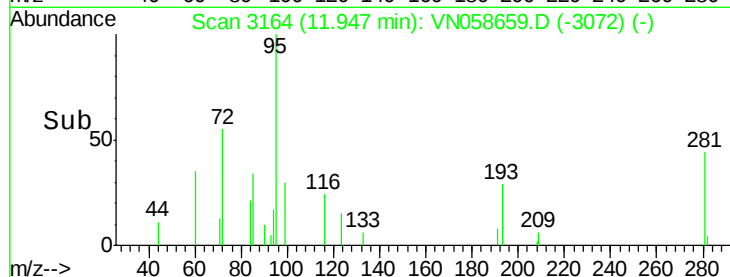
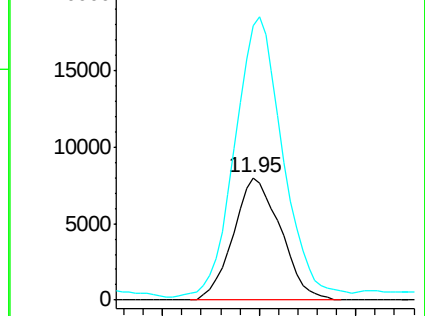
106 100

91 232.7 109.1 327.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#71

Bromoform

Concen: 0.759 ug/l

RT: 12.39 min Scan# 3302

Delta R.T. 0.26 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

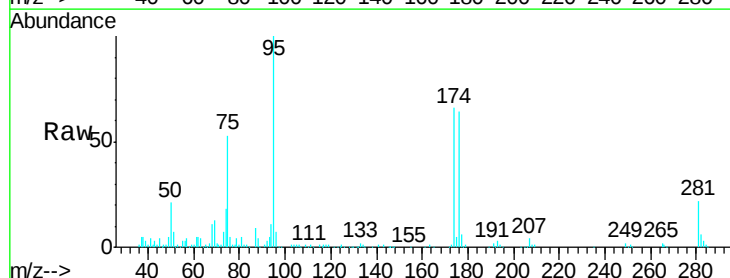
Tgt Ion:173 Resp: 196

Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

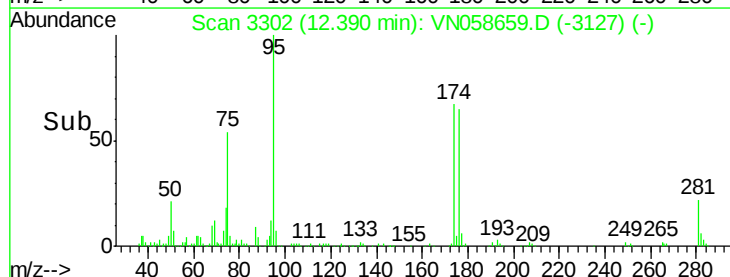
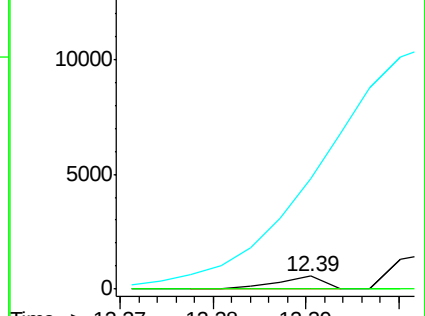
254 0.0 0.1 0.1#

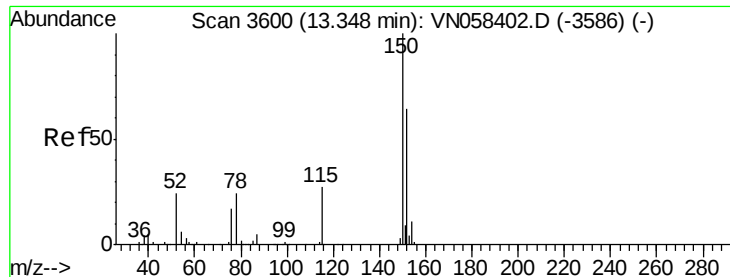


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN058659.D

Acq: 9 Oct 2019 22:28

Instrument :

MSVOA_N

ClientSampled :

MW-2

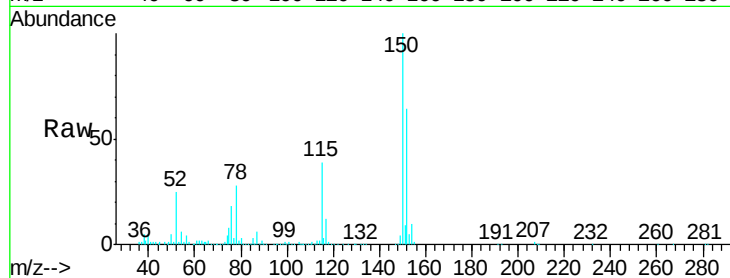
Tgt Ion:152 Resp: 287778

Ion Ratio Lower Upper

152 100

115 62.3 30.0 90.0

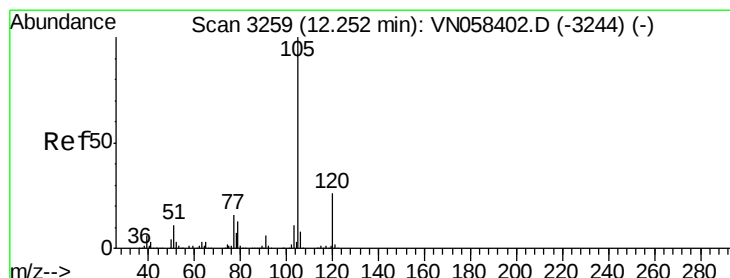
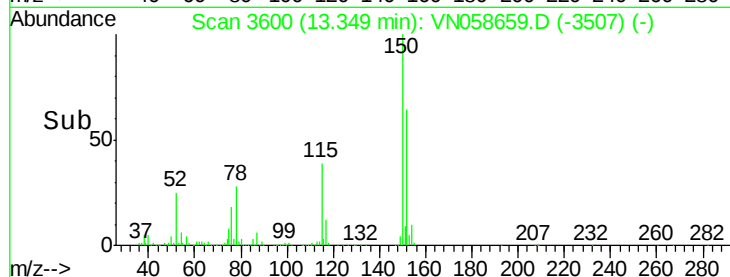
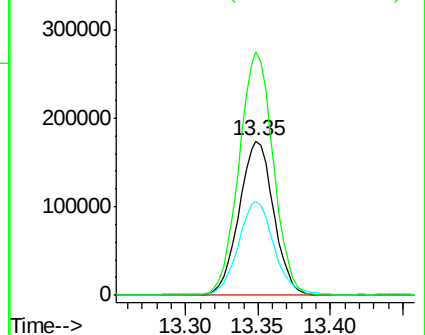
150 156.7 0.0 348.2



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: 115.123 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058659.D

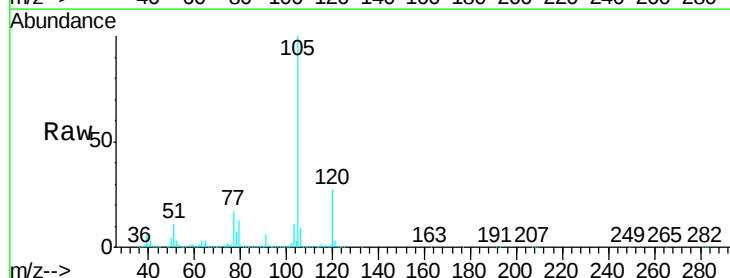
Acq: 9 Oct 2019 22:28

Tgt Ion:105 Resp: 2448372

Ion Ratio Lower Upper

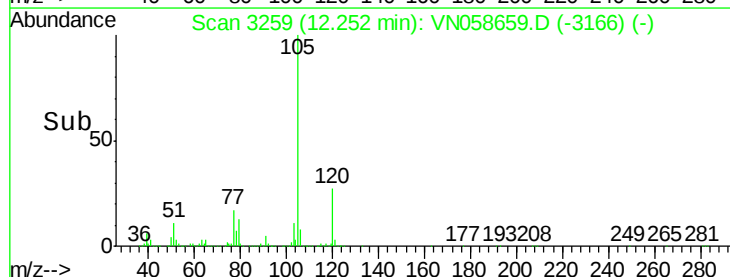
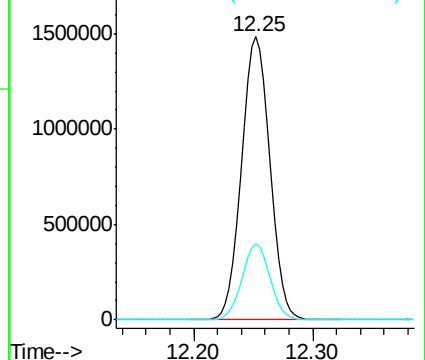
105 100

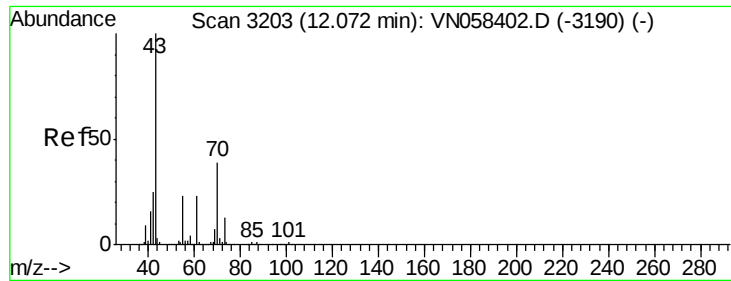
120 26.4 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

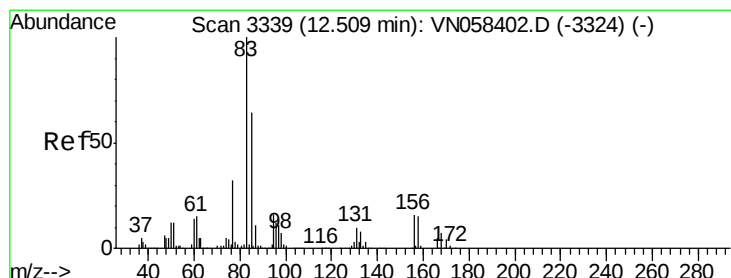
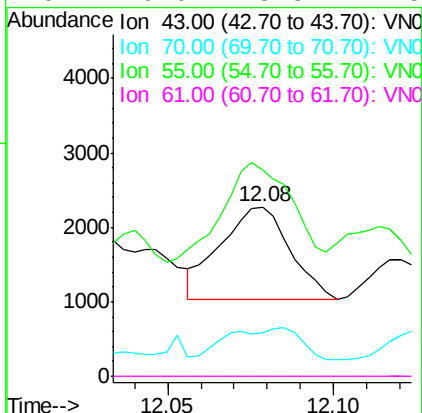
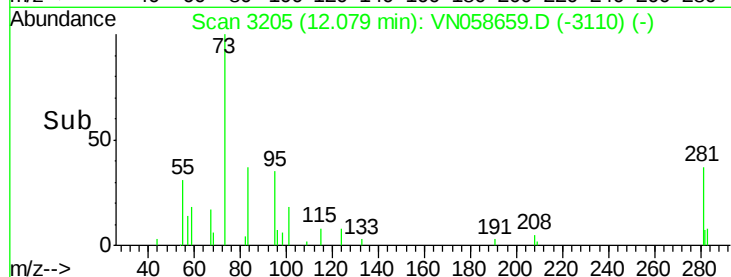
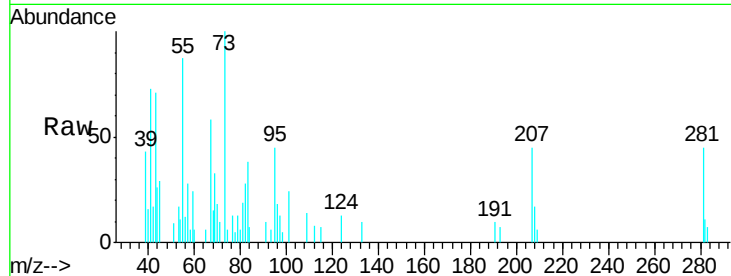




#74
N-ethyl acetate
Concen: 0.215 ug/l
RT: 12.08 min Scan# 3205
Delta R.T. 0.01 min
Lab File: VN058659.D
Acq: 9 Oct 2019 22:28

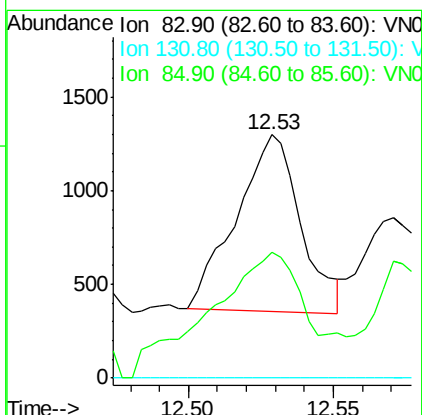
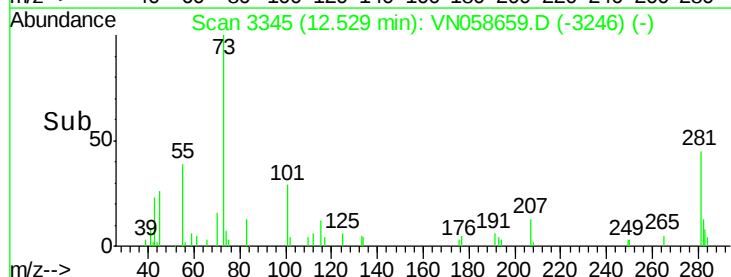
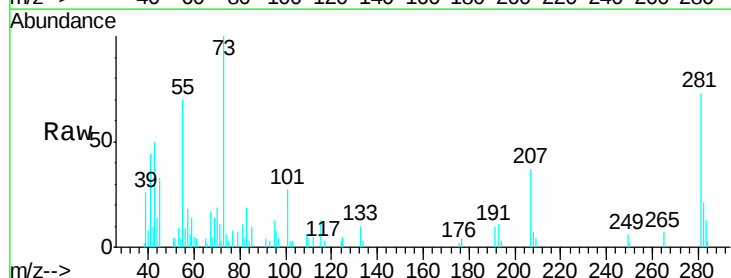
Instrument :
MSVOA_N
ClientSampled :
MW-2

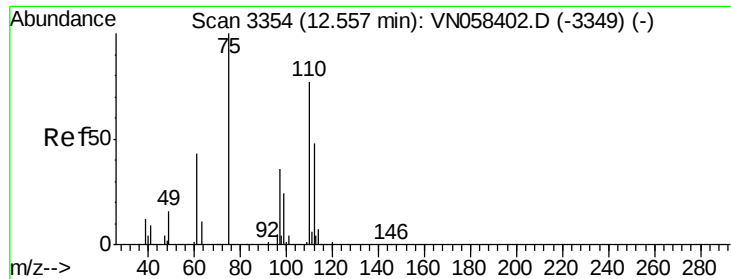
Tgt Ion: 43 Resp: 1823
Ion Ratio Lower Upper
43 100
70 35.8 31.4 47.2
55 97.4 18.2 27.4#
61 0.0 18.3 27.5#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.232 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.02 min
Lab File: VN058659.D
Acq: 9 Oct 2019 22:28

Tgt Ion: 83 Resp: 1458
Ion Ratio Lower Upper
83 100
131 0.0 4.9 14.7#
85 111.5 32.0 96.0#





#76

1,2,3-Trichloropropane

Concen: 2.403 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.04 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

Instrument :

MSVOA_N

ClientSampled :

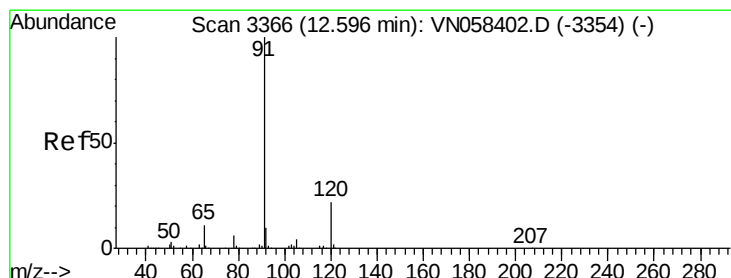
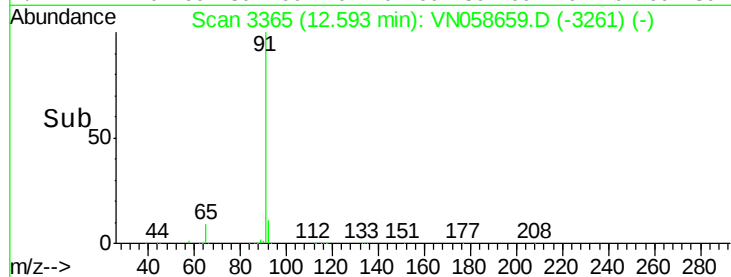
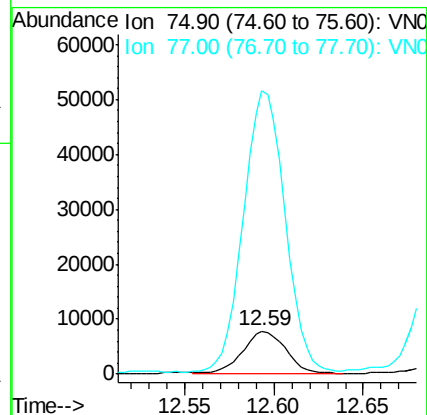
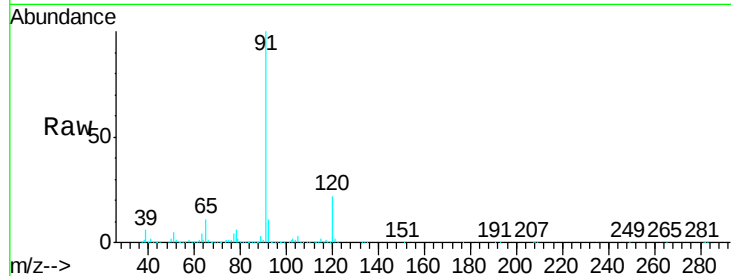
MW-2

Tgt Ion: 75 Resp: 12633

Ion Ratio Lower Upper

75 100

77 656.8 0.0 0.0#



#78

n-propylbenzene

Concen: 84.905 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058659.D

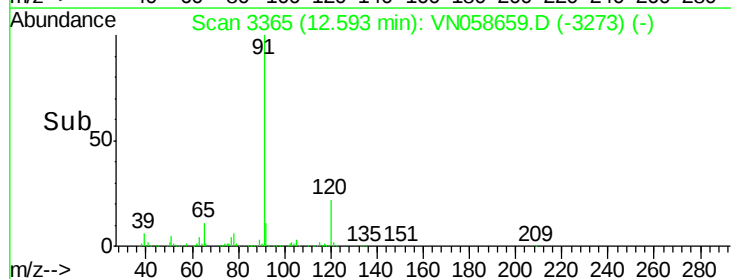
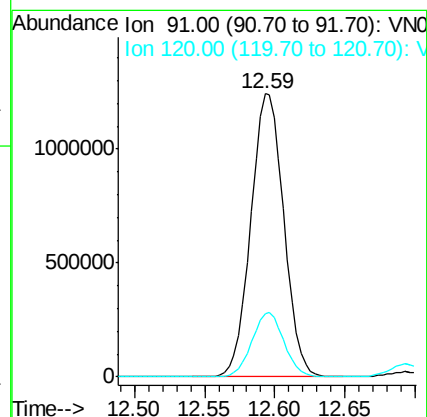
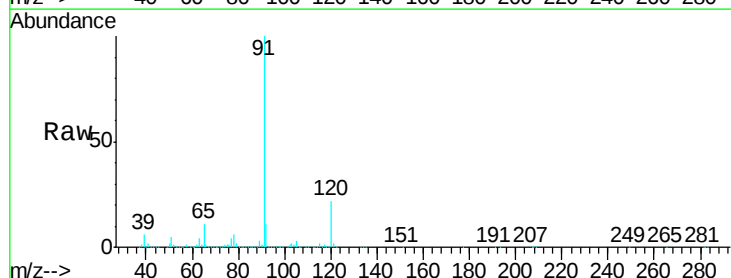
Acq: 9 Oct 2019 22:28

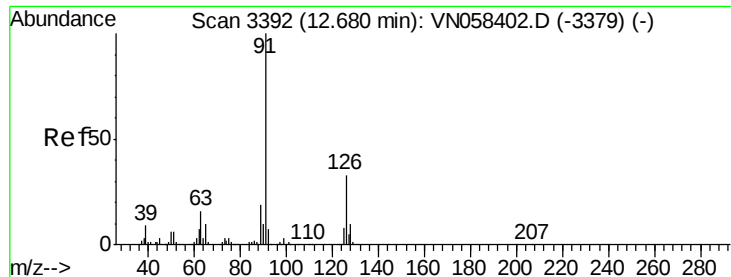
Tgt Ion: 91 Resp: 2034324

Ion Ratio Lower Upper

91 100

120 22.2 10.9 32.9





#79

2-Chlorotoluene

Concen: 137.556 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.09 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

Instrument :

MSVOA_N

ClientSampled :

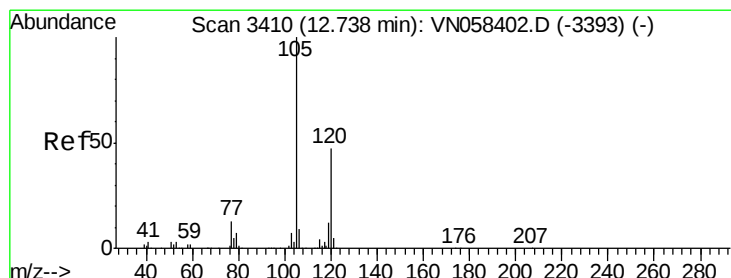
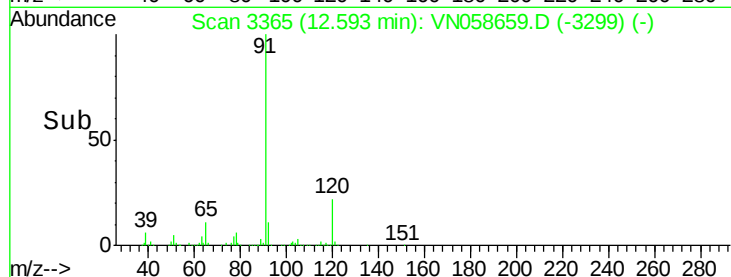
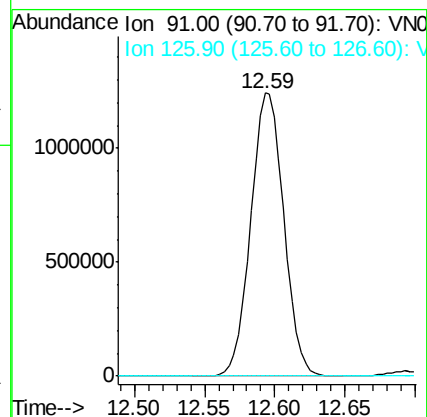
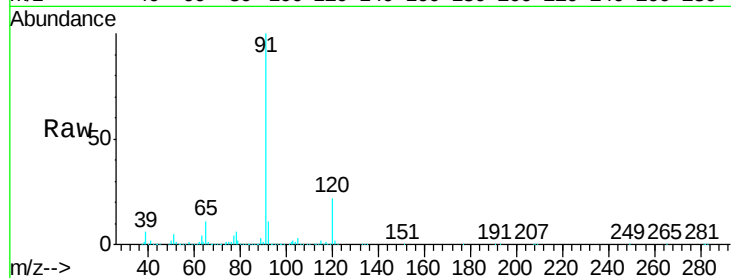
MW-2

Tgt Ion: 91 Resp: 2034324

Ion Ratio Lower Upper

91 100

126 0.0 16.2 48.6#



#80

1,3,5-Trimethylbenzene

Concen: 17.520 ug/l

RT: 12.69 min Scan# 3396

Delta R.T. -0.04 min

Lab File: VN058659.D

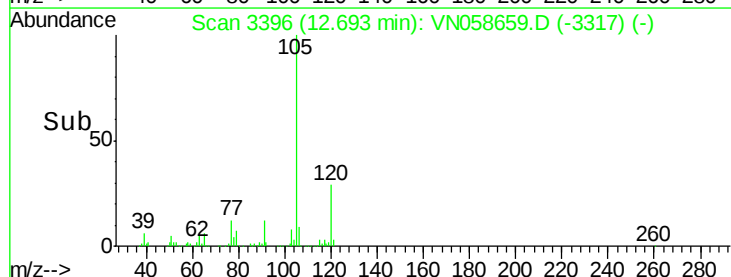
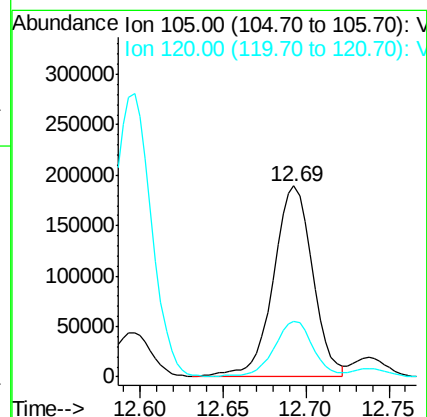
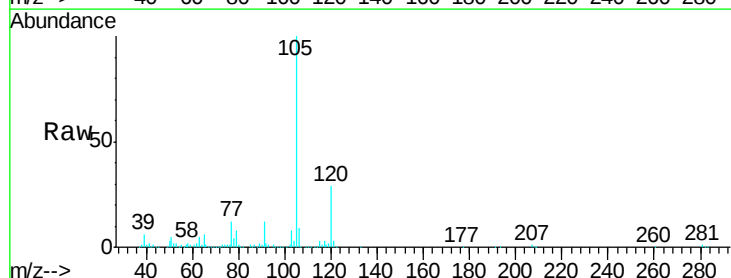
Acq: 9 Oct 2019 22:28

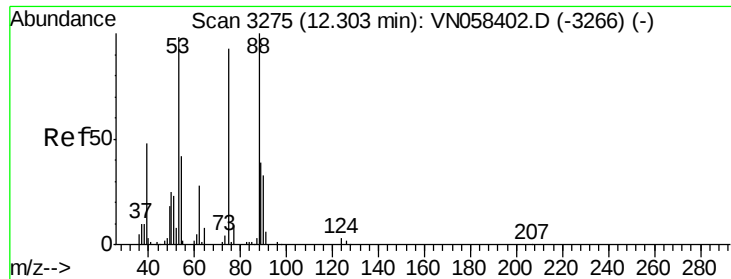
Tgt Ion: 105 Resp: 311912

Ion Ratio Lower Upper

105 100

120 29.1 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 17.771 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.05 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

Instrument :

MSVOA_N

ClientSampled :

MW-2

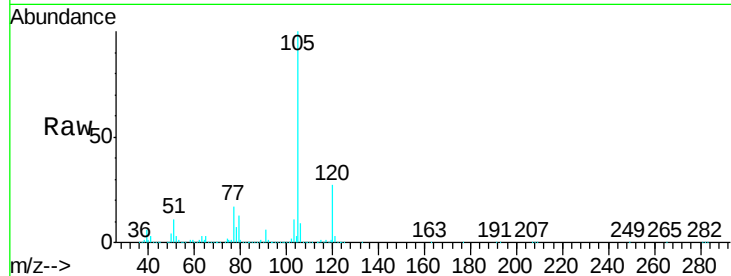
Tgt Ion: 75 Resp: 30756

Ion Ratio Lower Upper

75 100

53 109.1 85.4 128.0

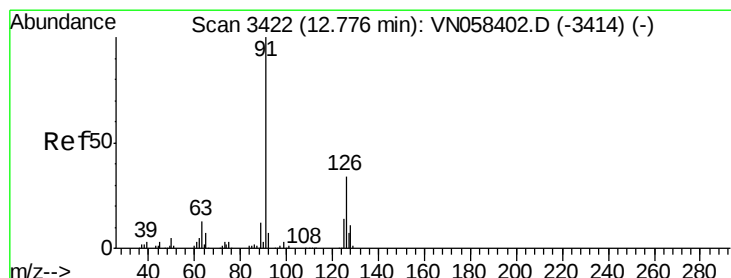
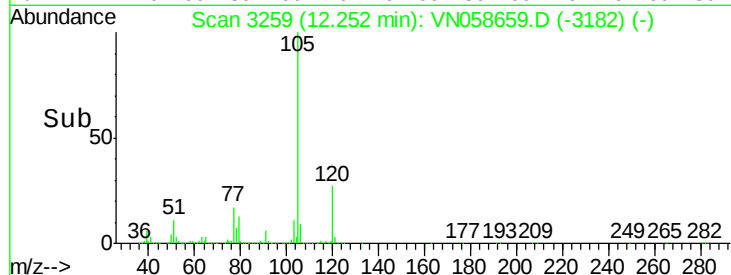
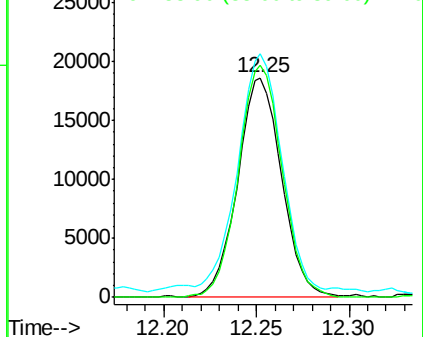
89 104.6 35.0 52.4#



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: 6.241 ug/l

RT: 12.90 min Scan# 3459

Delta R.T. 0.12 min

Lab File: VN058659.D

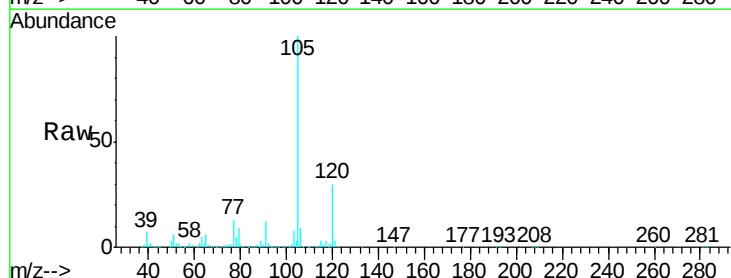
Acq: 9 Oct 2019 22:28

Tgt Ion: 91 Resp: 94176

Ion Ratio Lower Upper

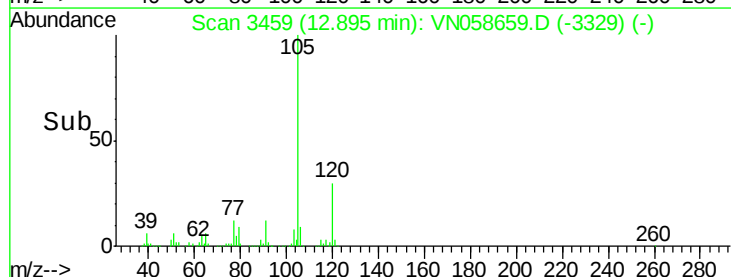
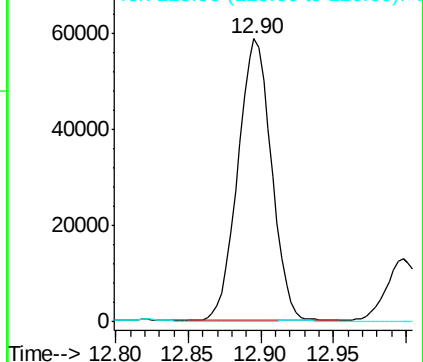
91 100

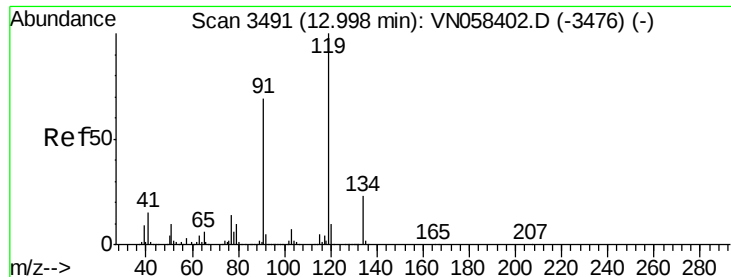
126 0.0 15.9 47.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 1.933 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

Instrument :

MSVOA_N

ClientSampleId :

MW-2

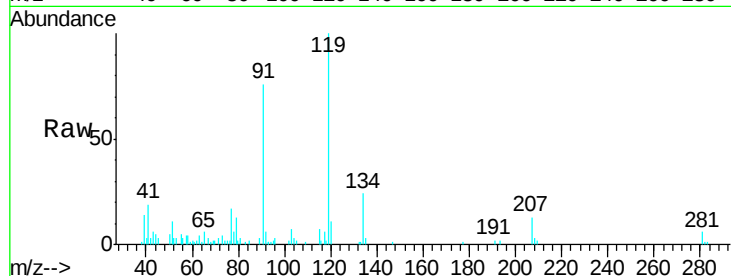
Tgt Ion:119 Resp: 29041

Ion Ratio Lower Upper

119 100

91 73.2 34.2 102.6

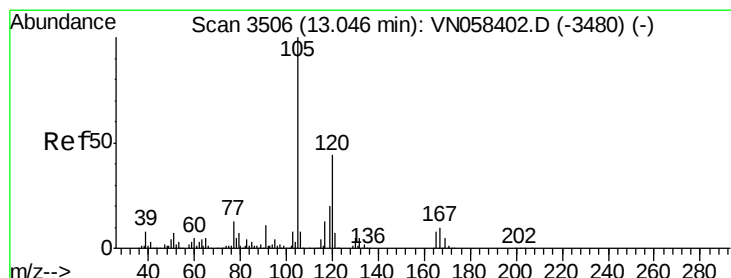
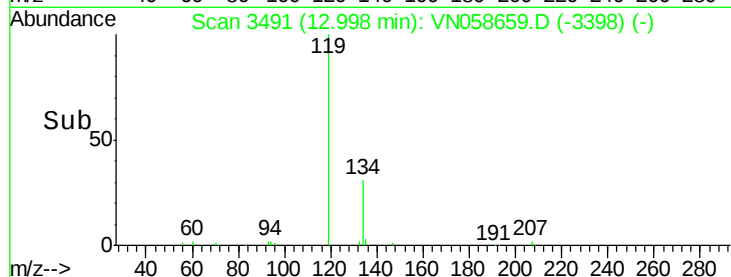
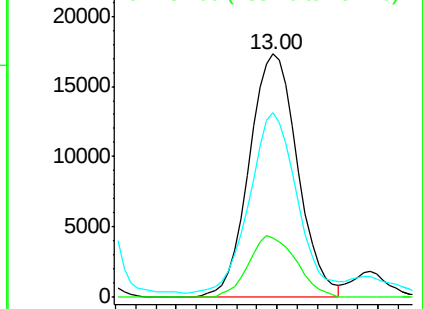
134 24.9 11.6 34.8



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: 42.802 ug/l

RT: 12.90 min Scan# 3459

Delta R.T. -0.15 min

Lab File: VN058659.D

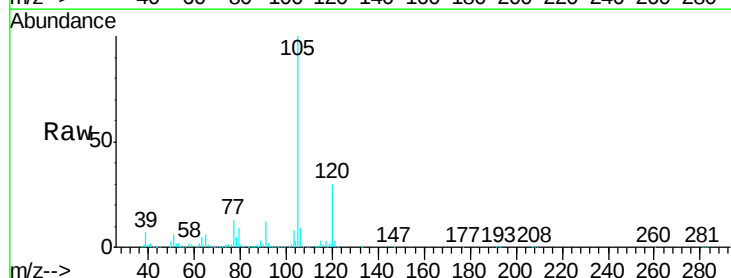
Acq: 9 Oct 2019 22:28

Tgt Ion:105 Resp: 763452

Ion Ratio Lower Upper

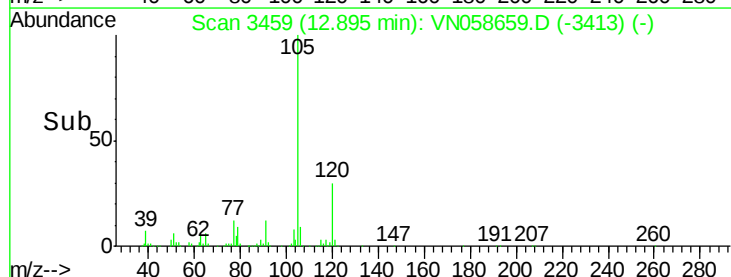
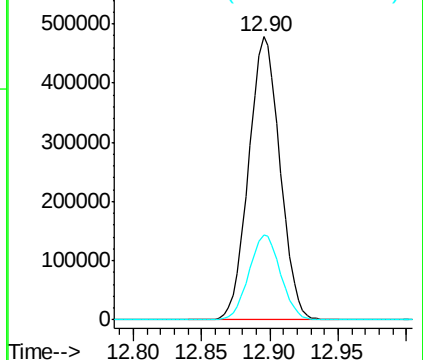
105 100

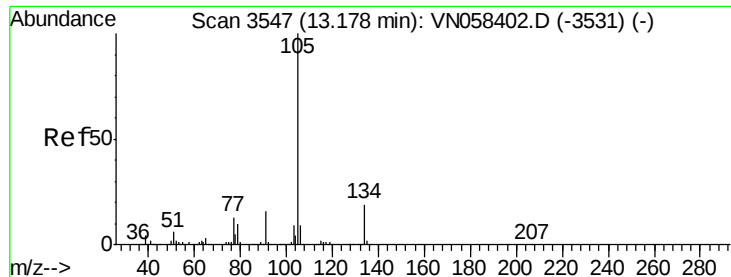
120 30.4 21.7 65.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

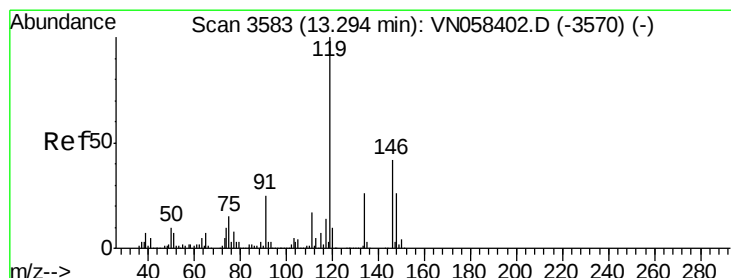
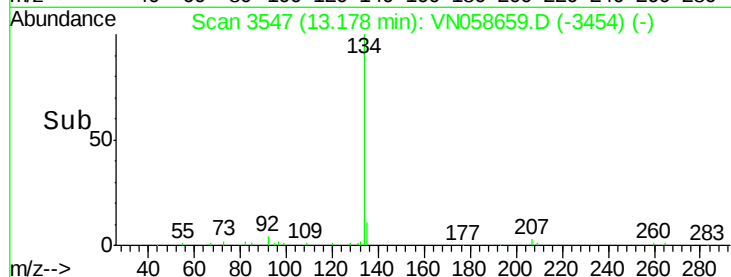
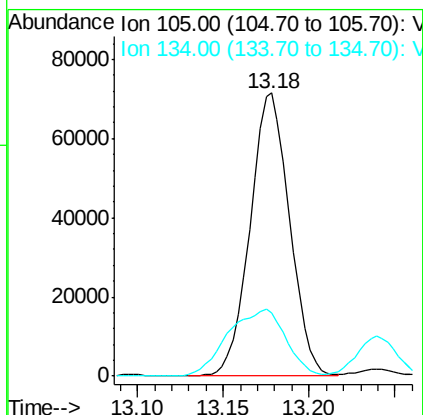
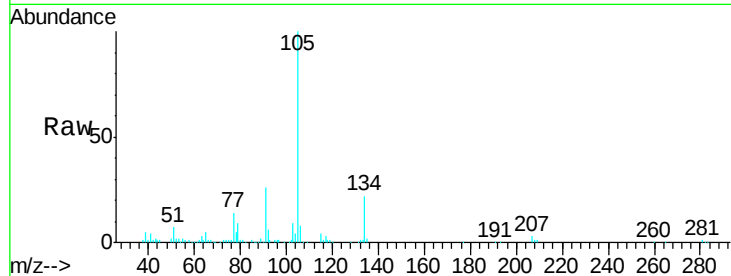




#85
 sec-Butylbenzene
 Concen: 5.755 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058659.D
 Acq: 9 Oct 2019 22:28

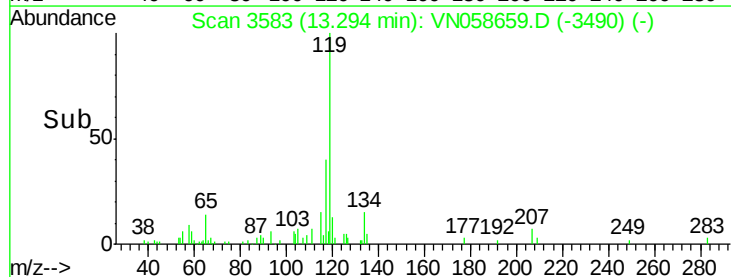
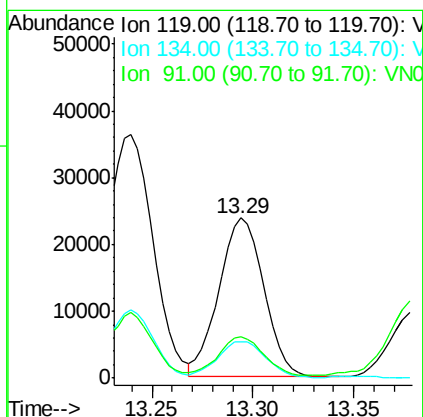
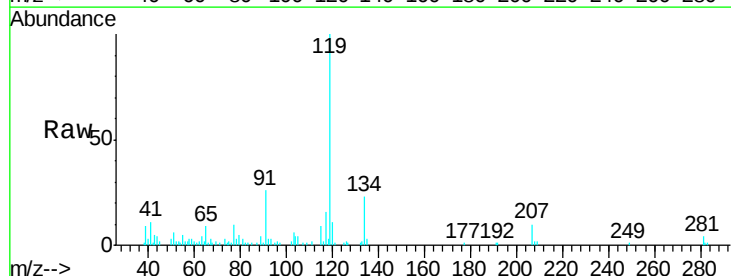
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

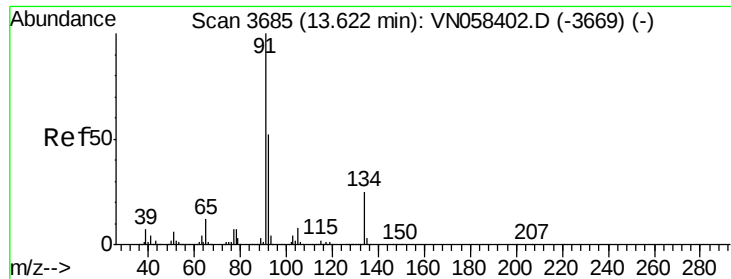
Tgt Ion:105 Resp: 113791
 Ion Ratio Lower Upper
 105 100
 134 34.9 9.4 28.2#



#86
 p-Isopropyltoluene
 Concen: 2.131 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058659.D
 Acq: 9 Oct 2019 22:28

Tgt Ion:119 Resp: 37089
 Ion Ratio Lower Upper
 119 100
 134 24.9 13.0 39.0
 91 0.0 12.4 37.0#

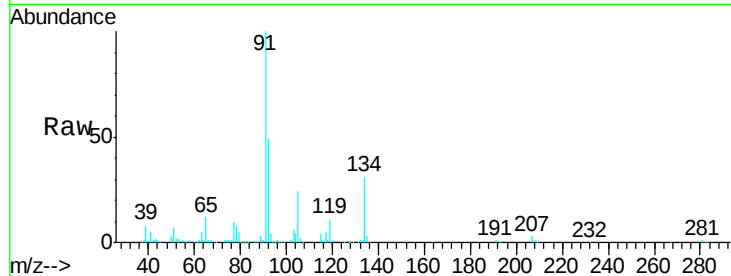




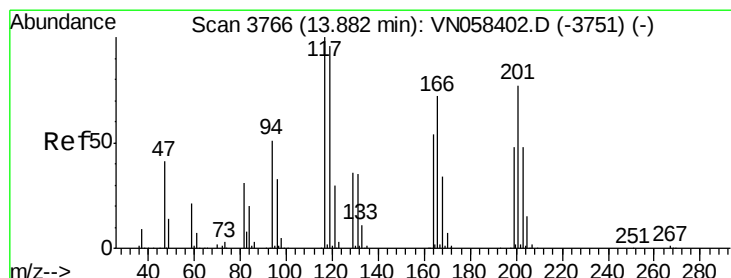
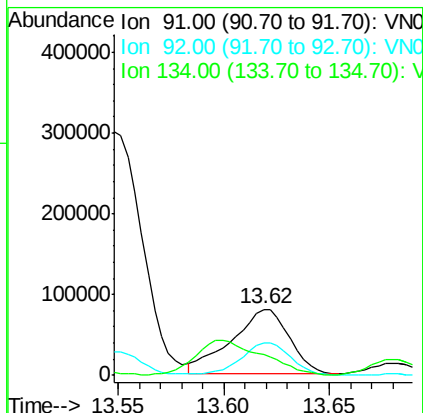
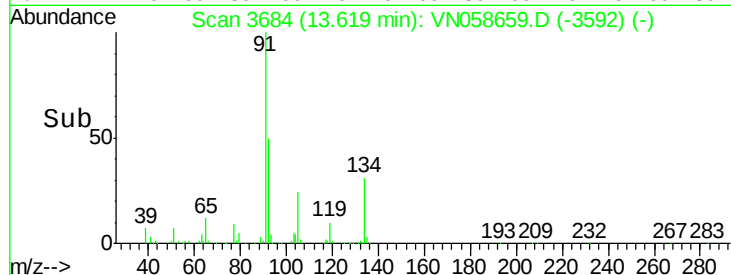
#89
n-Butylbenzene
Concen: 9.742 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058659.D
Acq: 9 Oct 2019 22:28

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Tgt Ion: 91 Resp: 153592
Ion Ratio Lower Upper
91 100
92 44.1 25.7 77.1
134 60.0 12.2 36.6#

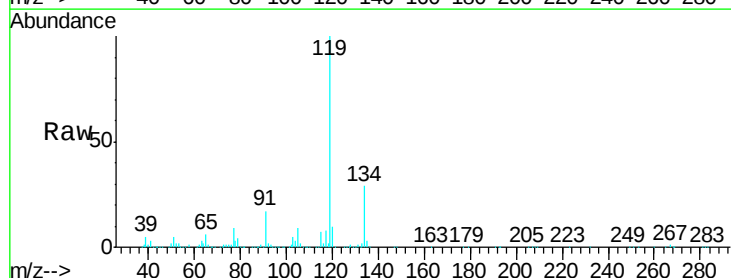


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

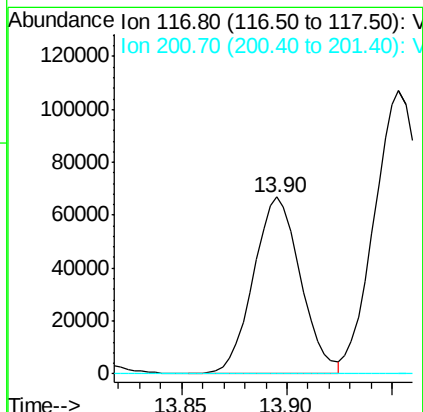
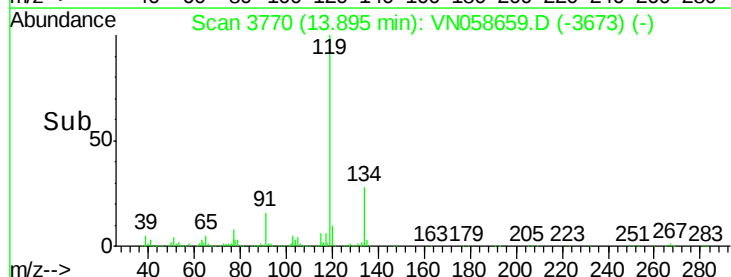


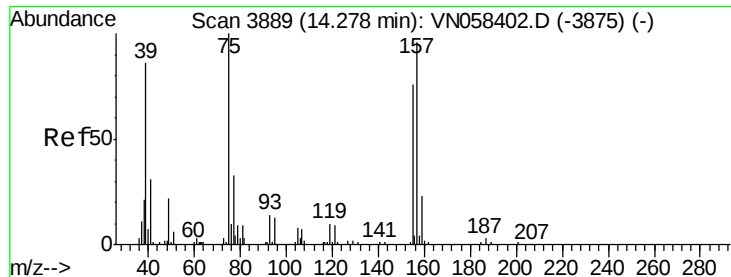
#90
Hexachloroethane
Concen: 39.482 ug/l
RT: 13.90 min Scan# 3770
Delta R.T. 0.01 min
Lab File: VN058659.D
Acq: 9 Oct 2019 22:28

Tgt Ion: 117 Resp: 103246
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: 4.554 ug/l

RT: 14.22 min Scan# 3870

Delta R.T. -0.06 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

Instrument :

MSVOA_N

ClientSampleId :

MW-2

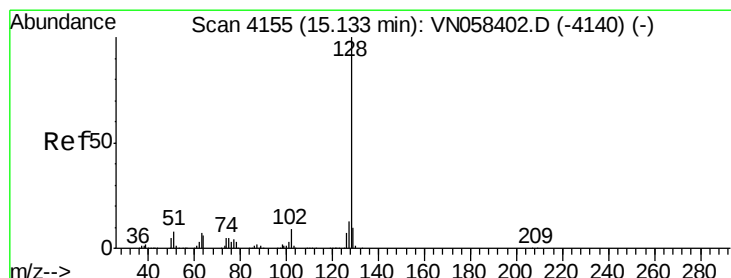
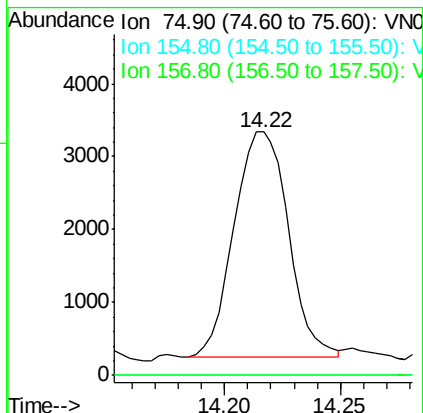
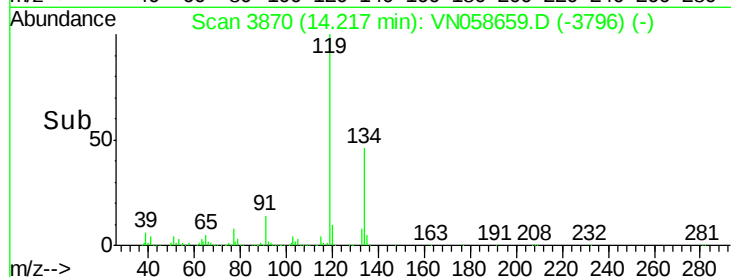
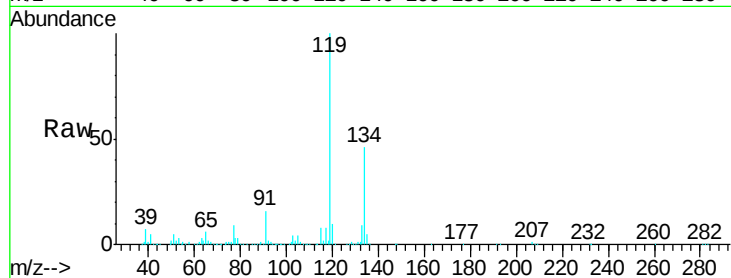
Tgt Ion: 75 Resp: 5050

Ion Ratio Lower Upper

75 100

155 0.0 39.2 117.6#

157 0.0 48.7 146.1#



#95

Naphthalene

Concen: 44.042 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058659.D

Acq: 9 Oct 2019 22:28

Tgt Ion: 128 Resp: 619271

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 10.6 8.3 12.5

