

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100119\
 Data File : VN058458.D
 Acq On : 1 Oct 2019 12:34
 Operator : JC/SP
 Sample : K5107-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Quant Time: Oct 02 01:26:12 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	423473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	680130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	581317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	229441	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	300514	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
35) Dibromofluoromethane	7.58	113	213503	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	
50) Toluene-d8	10.09	98	855352	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	
62) 4-Bromofluorobenzene	12.41	95	277374	46.98	ug/l	0.00
Spiked Amount			Recovery	=	93.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.76	59	7695	11.193	ug/l #	71
13) Acrolein	3.61	56	138	0.631	ug/l #	13
14) Allyl chloride	4.41	41	3000	0.413	ug/l #	75
16) Acetone	3.78	43	4677	2.217	ug/l #	64
17) Carbon Disulfide	4.04	76	4807	0.456	ug/l	99
18) Methyl Acetate	4.51	43	14388	2.712	ug/l #	53
19) Methyl tert-butyl Ether	5.02	73	9919	0.704	ug/l #	1
22) Diisopropyl ether	5.93	45	26153	1.672	ug/l	93
23) Vinyl Acetate	5.93	43	15009	1.272	ug/l #	74
31) Cyclohexane	7.64	56	34550	4.034	ug/l #	77
36) 1,1-Dichloropropene	7.65	75	37886	5.826	ug/l #	51
38) Carbon Tetrachloride	7.65	117	44294	7.546	ug/l #	16
39) Methylcyclohexane	9.07	83	5930	0.781	ug/l	93
40) Benzene	8.03	78	586018	31.348	ug/l	99
42) 1,2-Dichloroethane	8.11	62	7794	1.072	ug/l	98
43) Isopropyl Acetate	8.13	43	2659	0.256	ug/l #	74
49) 1,4-Dioxane	9.19	88	2322	36.782	ug/l #	84
51) 4-Methyl-2-Pentanone	9.98	43	1996	0.375	ug/l	97
52) Toluene	10.15	92	73803	6.272	ug/l	100
65) Chlorobenzene	11.44	112	6831	0.591	ug/l	98
67) Ethyl Benzene	11.51	91	451967	21.594	ug/l	100
68) m/p-Xylenes	11.63	106	194555	24.706	ug/l	98
69) o-Xylene	11.95	106	76139	10.044	ug/l	99
70) Styrene	11.95	104	3885	0.315	ug/l #	1
71) Bromoform	12.39	173	81	0.724	ug/l #	29
73) Isopropylbenzene	12.25	105	38006	2.241	ug/l	99
76) 1,2,3-Trichloropropane	12.41	75	152833	36.469	ug/l #	100
78) n-propylbenzene	12.60	91	36198	1.895	ug/l	96
79) 2-Chlorotoluene	12.69	91	5742	0.487	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.74	105	60954	4.294	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.41	75	152833	110.761	ug/l #	7
82) 4-Chlorotoluene	12.74	91	6139	0.510	ug/l #	43
83) tert-Butylbenzene	13.24	119	2639	0.220	ug/l	71
84) 1,2,4-Trimethylbenzene	13.05	105	267950	18.842	ug/l	98

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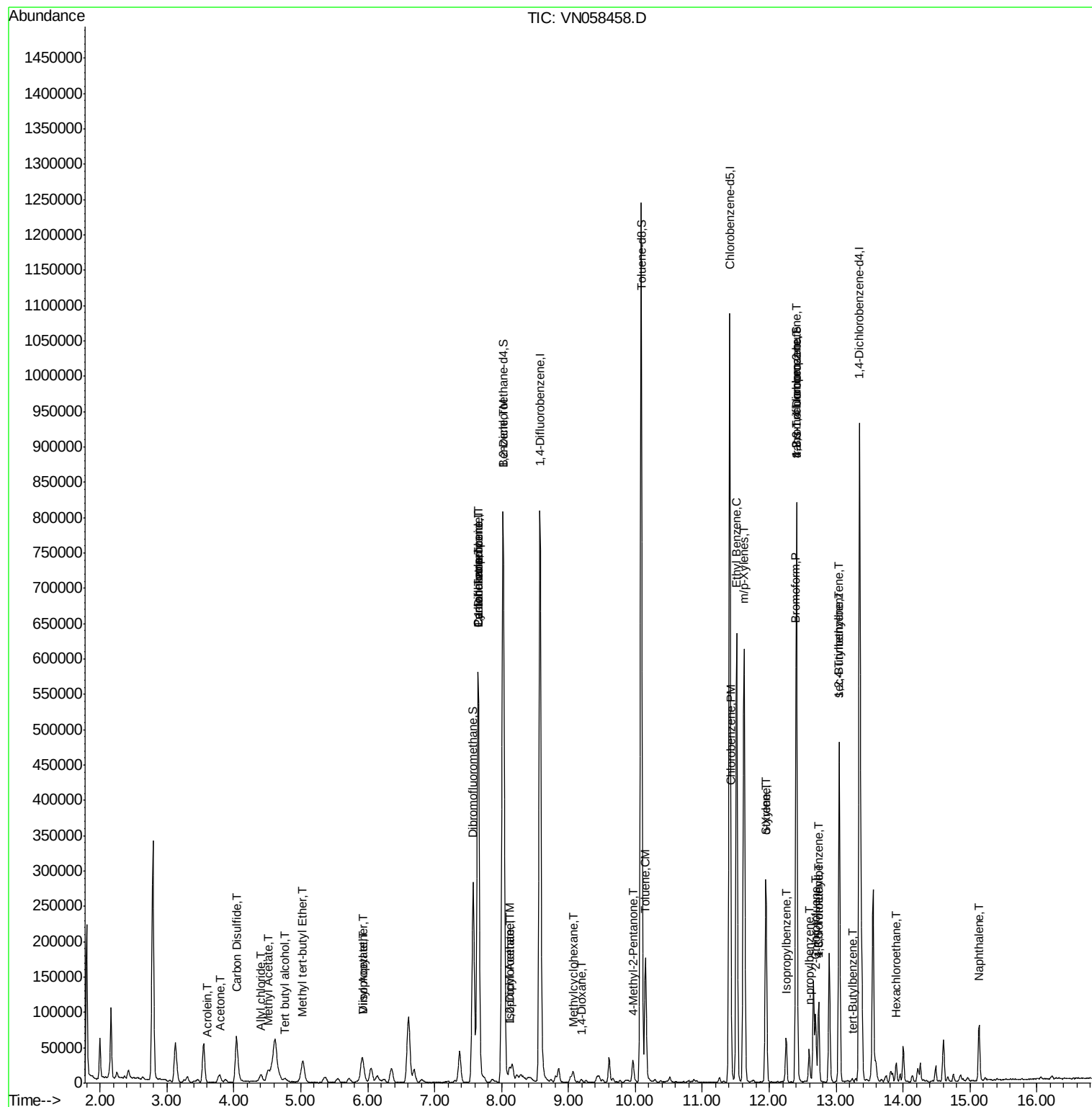
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.05	105	267950	16.997	ug/l #	58
90) Hexachloroethane	13.90	117	1849	0.887	ug/l #	11
95) Naphthalene	15.14	128	64970	5.770	ug/l	99

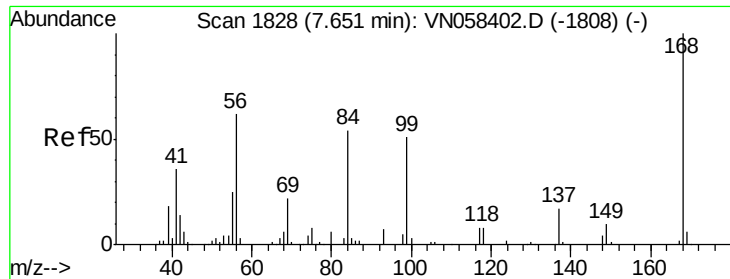
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058458.D

Acq: 1 Oct 2019 12:34

Instrument :

MSVOA_N

ClientSampled :

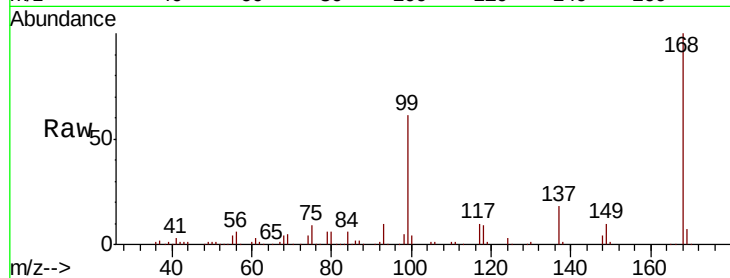
MW-4

Tot Ion:168 Resp: 423473

Ion Ratio Lower Upper

168 100

99 60.6 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

200000

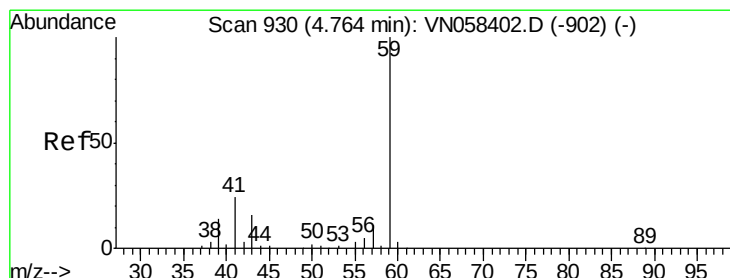
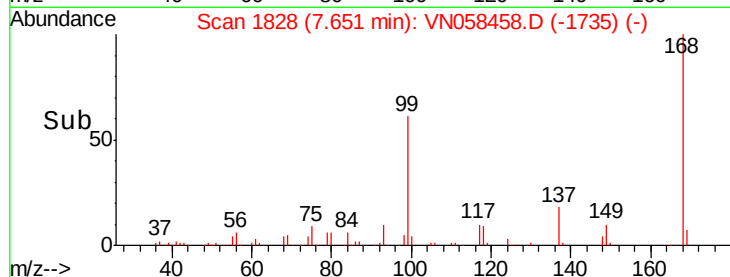
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 11.193 ug/l

RT: 4.76 min Scan# 929

Delta R.T. -0.00 min

Lab File: VN058458.D

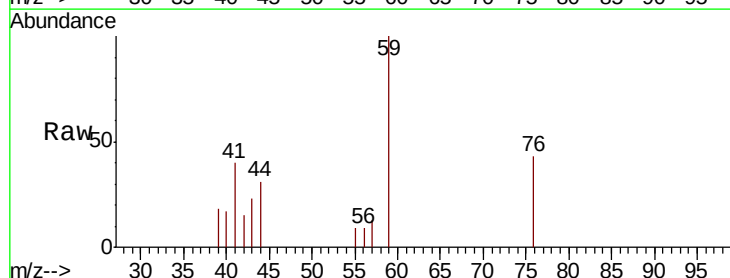
Acq: 1 Oct 2019 12:34

Tgt Ion: 59 Resp: 7695

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.76

2500

2000

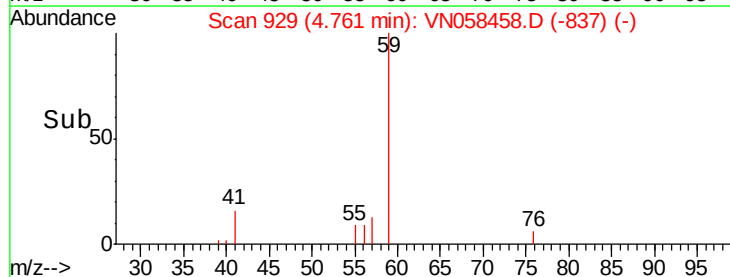
1500

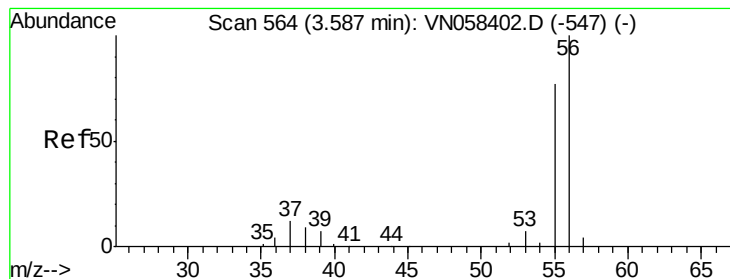
1000

500

0

Time-->





#13

Acrolein

Concen: 0.631 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.02 min

Lab File: VN058458.D

Acq: 1 Oct 2019 12:34

Instrument :

MSVOA_N

ClientSampled :

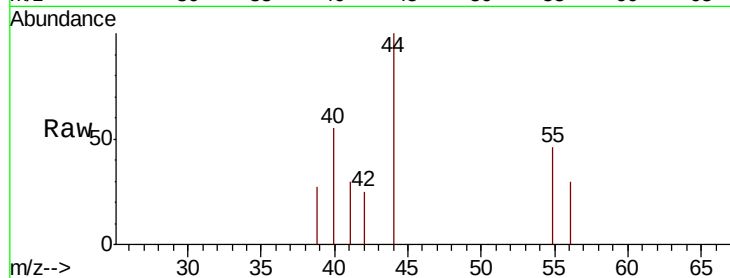
MW-4

Tot Ion: 56 Resp: 138

Ion Ratio Lower Upper

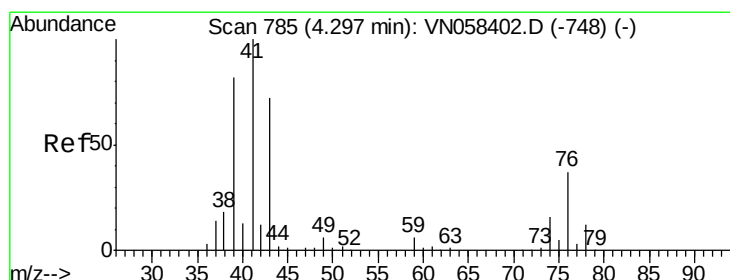
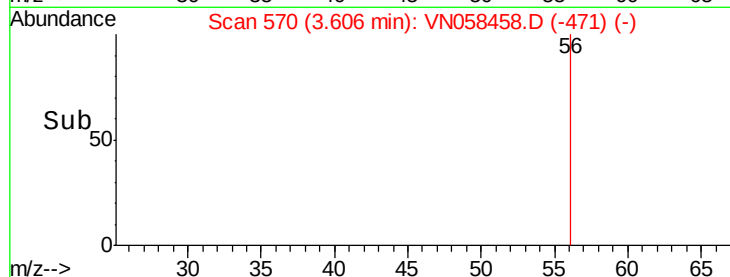
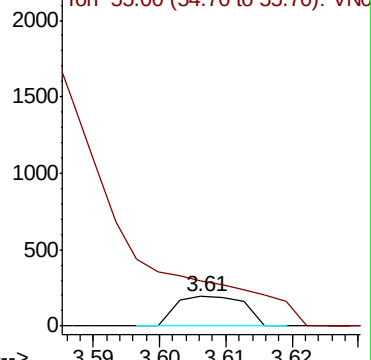
56 100

55 0.0 58.3 87.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 0.413 ug/l

RT: 4.41 min Scan# 819

Delta R.T. 0.11 min

Lab File: VN058458.D

Acq: 1 Oct 2019 12:34

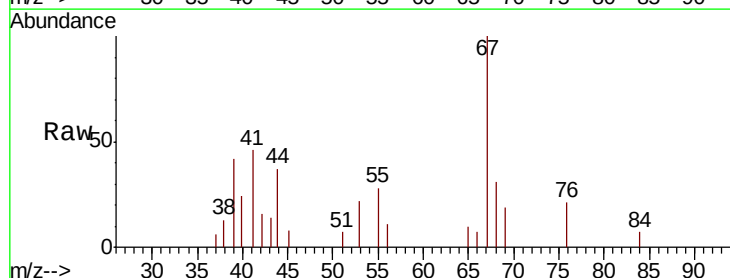
Tgt Ion: 41 Resp: 3000

Ion Ratio Lower Upper

41 100

39 86.8 62.3 93.5

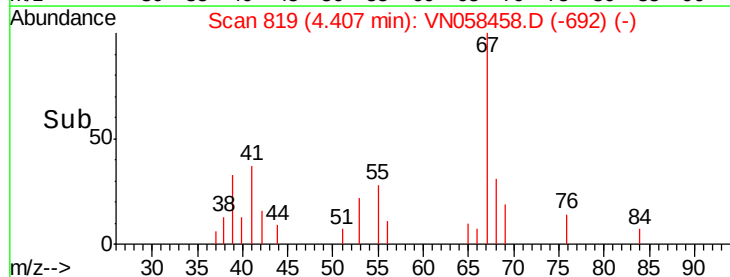
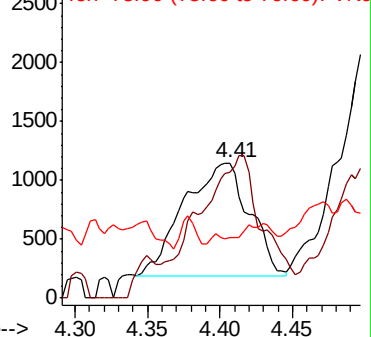
76 0.0 26.9 40.3#

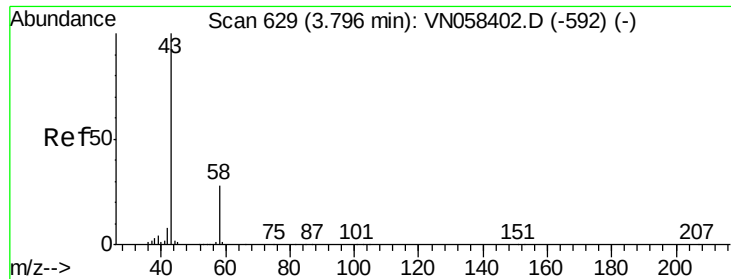


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

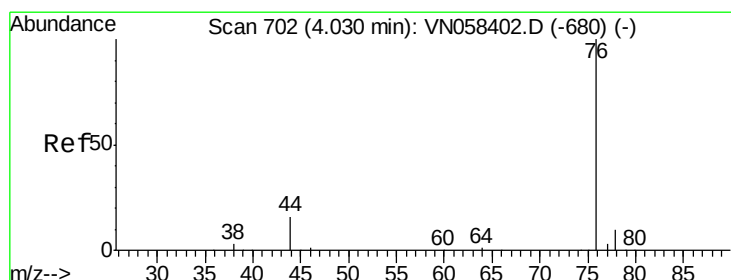
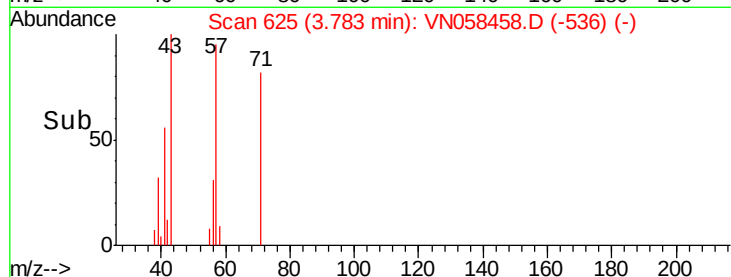
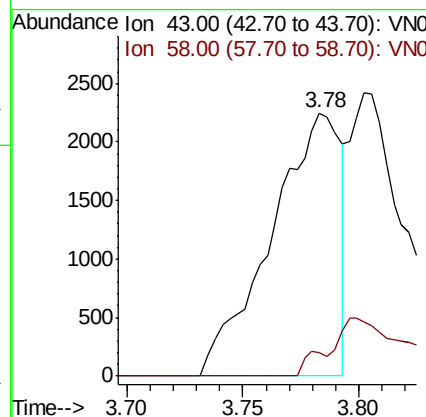
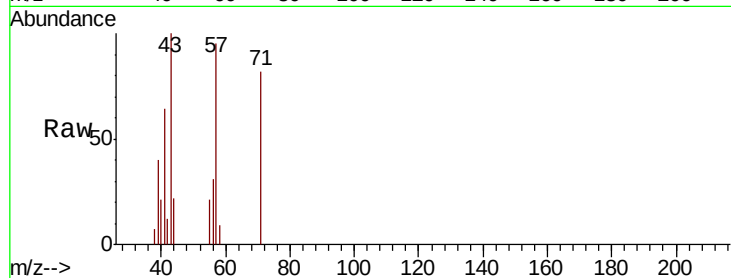




#16
Acetone
Concen: 2.217 ug/l
RT: 3.78 min Scan# 625
Delta R.T. -0.01 min
Lab File: VN058458.D
Acq: 1 Oct 2019 12:34

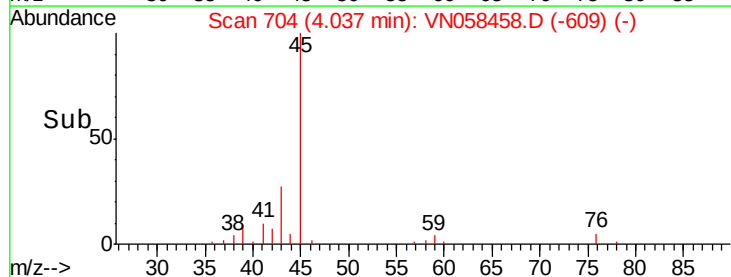
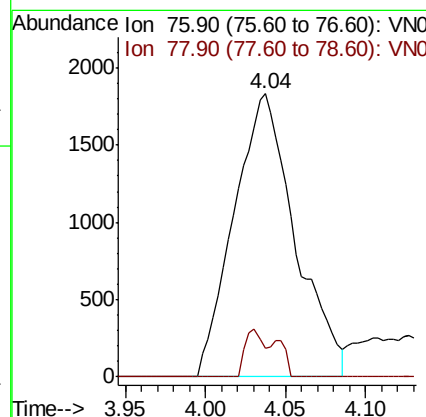
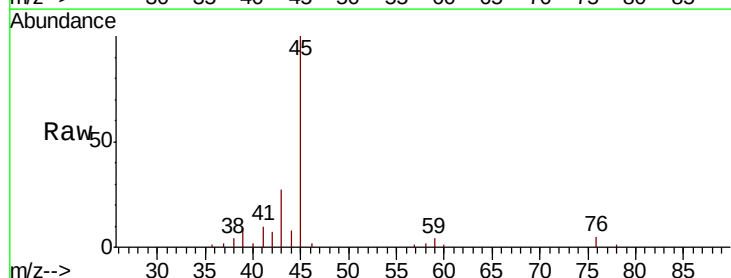
Instrument :
MSVOA_N
ClientSampled :
MW-4

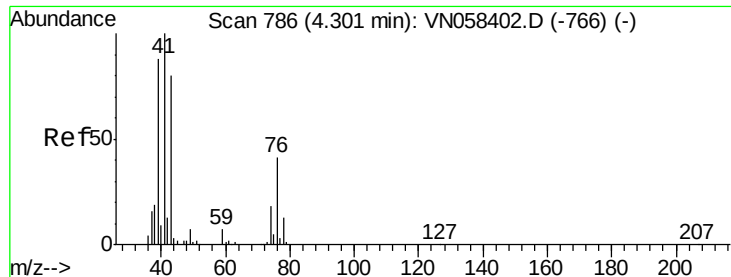
Tot Ion: 43 Resp: 4677
Ion Ratio Lower Upper
43 100
58 8.9 22.4 33.6#



#17
Carbon Disulfide
Concen: 0.456 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.01 min
Lab File: VN058458.D
Acq: 1 Oct 2019 12:34

Tgt Ion: 76 Resp: 4807
Ion Ratio Lower Upper
76 100
78 10.0 7.7 11.5

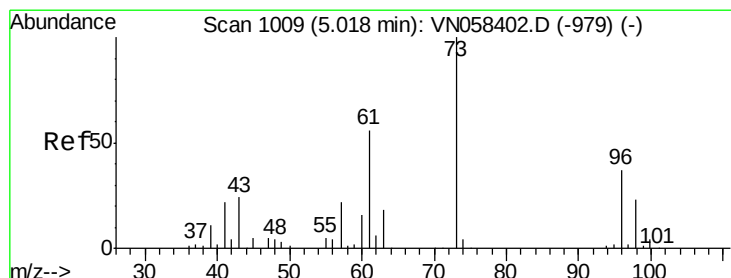
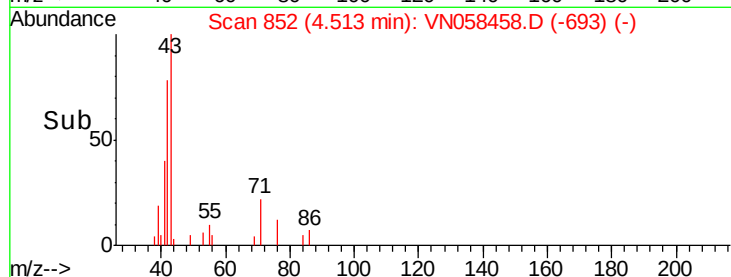
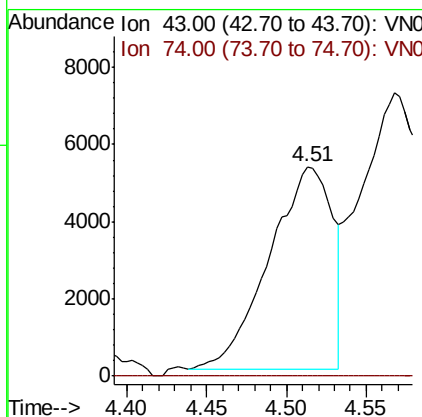
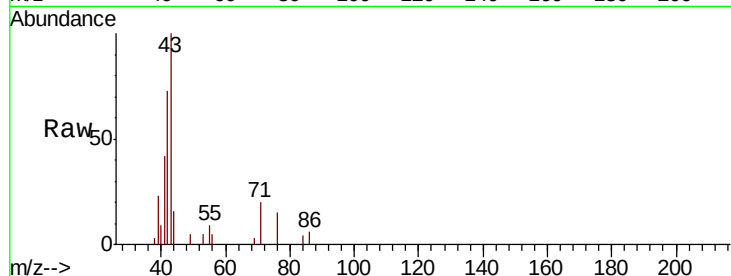




#18
Methyl Acetate
Concen: 2.712 ug/l
RT: 4.51 min Scan# 852
Delta R.T. 0.21 min
Lab File: VN058458.D
Acq: 1 Oct 2019 12:34

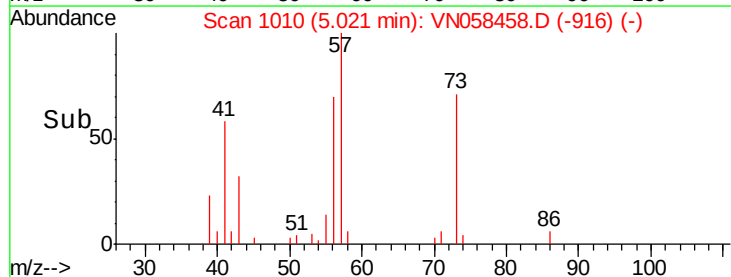
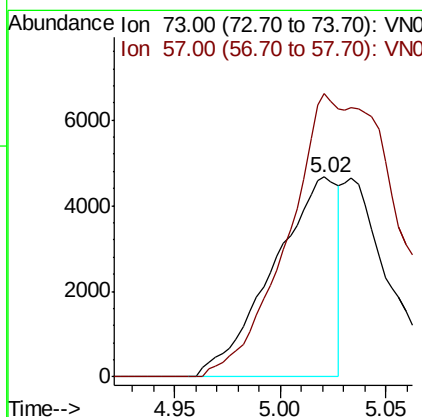
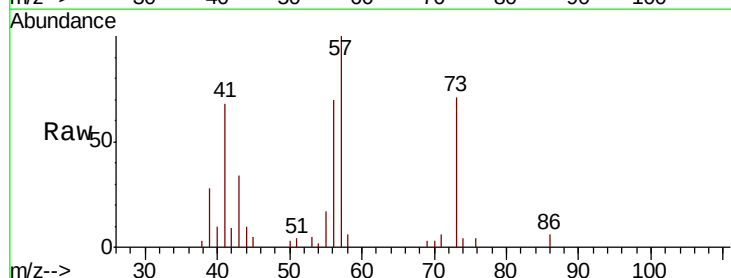
Instrument :
MSVOA_N
ClientSampled :
MW-4

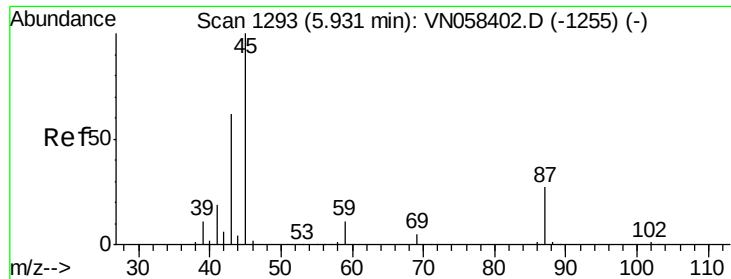
Tot Ion: 43 Resp: 14388
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#19
Methyl tert-butyl Ether
Concen: 0.704 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058458.D
Acq: 1 Oct 2019 12:34

Tgt Ion: 73 Resp: 9919
Ion Ratio Lower Upper
73 100
57 141.7 17.6 26.4#

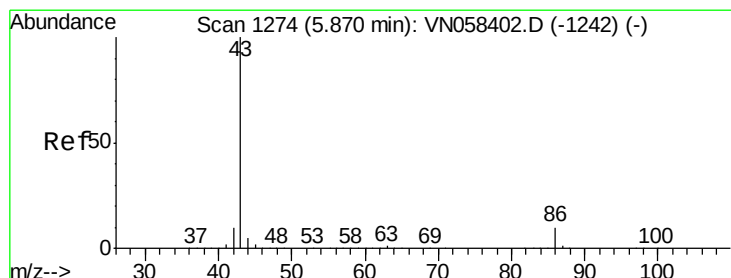
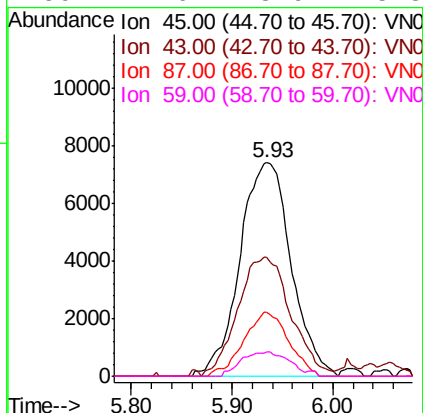
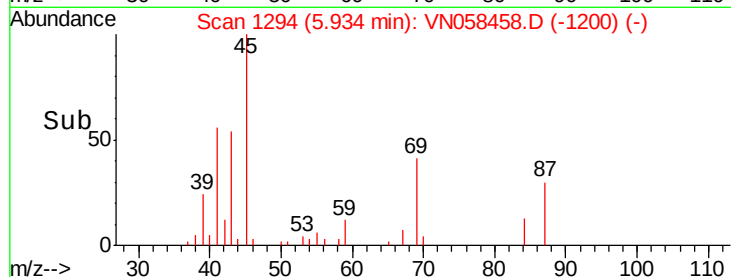
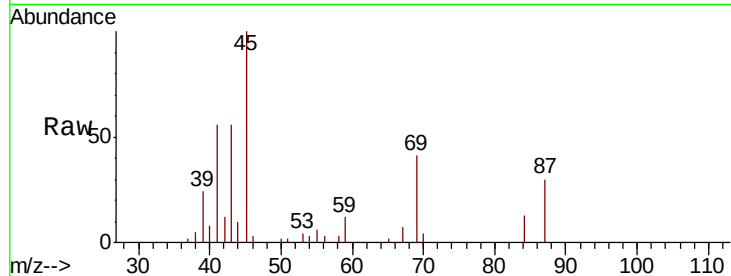




#22
Diisopropyl ether
Concen: 1.672 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN058458.D
Acq: 1 Oct 2019 12:34

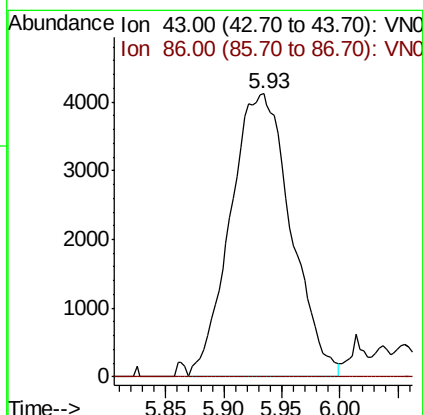
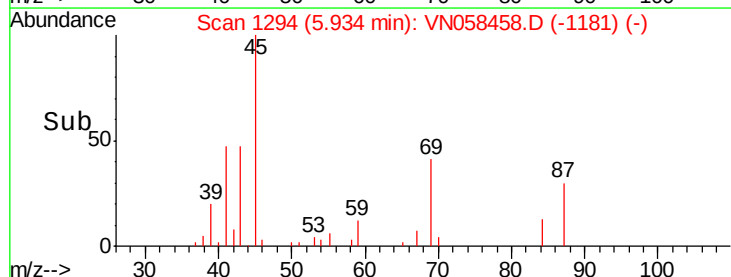
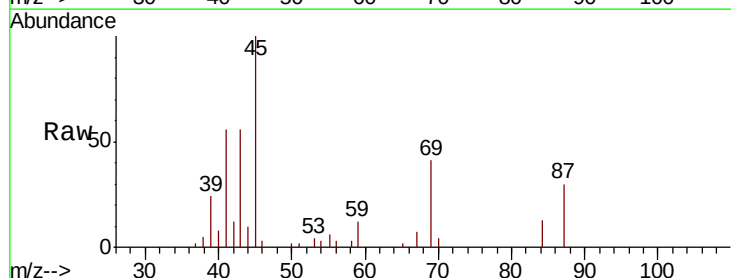
Instrument :
MSVOA_N
ClientSampled :
MW-4

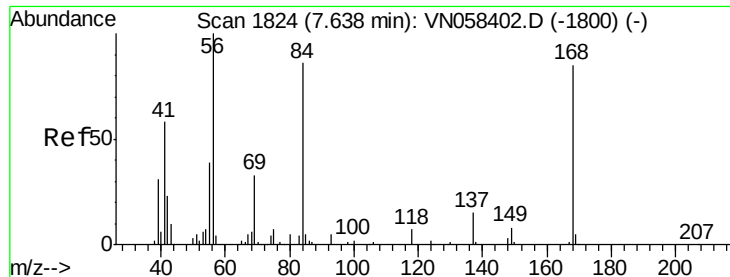
Tot Ion: 45 Resp: 26153
Ion Ratio Lower Upper
45 100
43 55.6 49.7 74.5
87 29.9 21.5 32.3
59 11.6 8.9 13.3



#23
Vinyl Acetate
Concen: 1.272 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.06 min
Lab File: VN058458.D
Acq: 1 Oct 2019 12:34

Tgt Ion: 43 Resp: 15009
Ion Ratio Lower Upper
43 100
86 0.0 7.7 11.5#

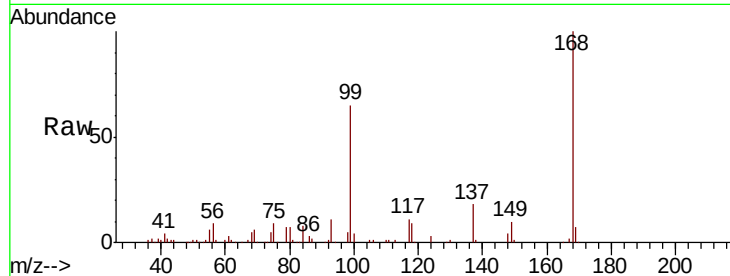




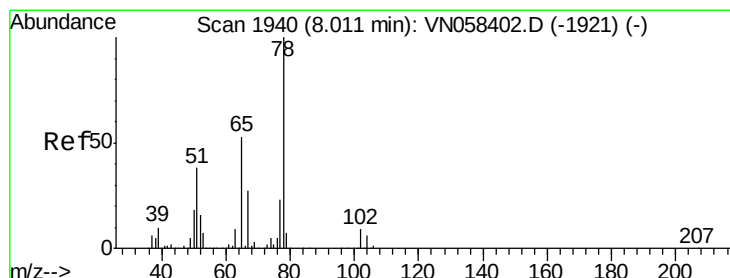
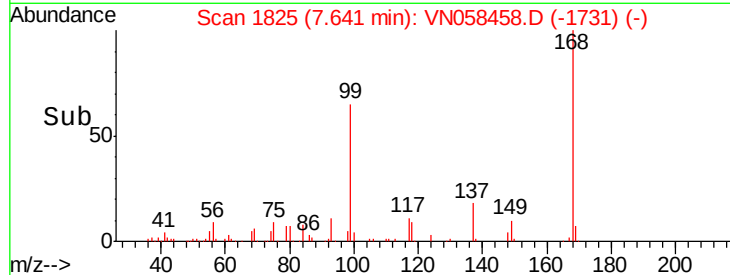
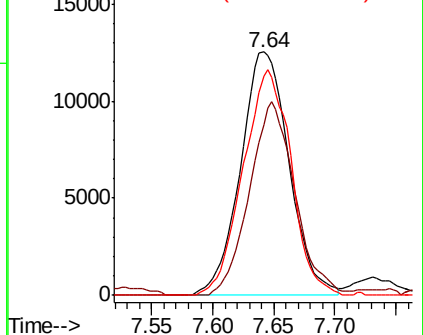
#31
Cyclohexane
Concen: 4.034 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN058458.D
Acq: 1 Oct 2019 12:34

Instrument :
MSVOA_N
ClientSampled :
MW-4

Tot Ion: 56 Resp: 34550
Ion Ratio Lower Upper
56 100
69 70.1 26.2 39.4#
84 90.2 67.6 101.4

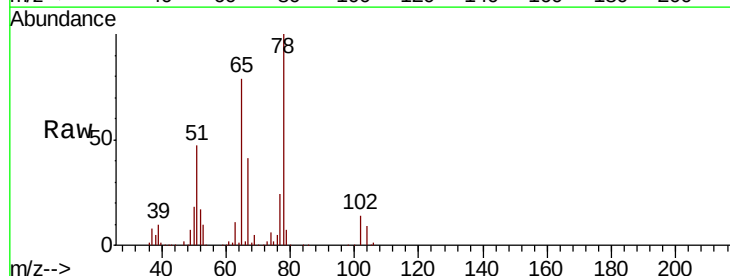


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

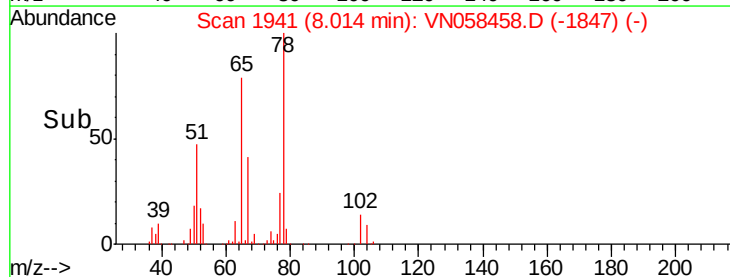
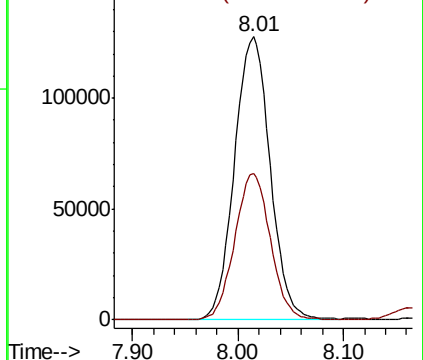


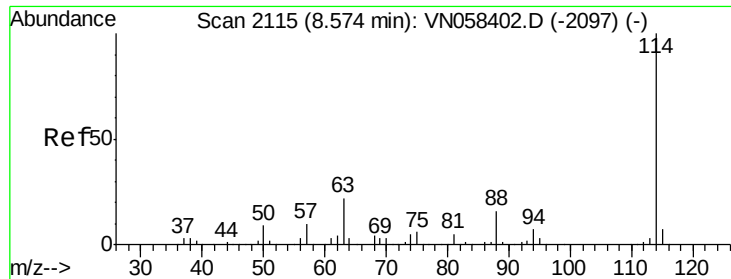
#33
1,2-Dichloroethane-d4
Concen: 48.561 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN058458.D
Acq: 1 Oct 2019 12:34

Tgt Ion: 65 Resp: 300514
Ion Ratio Lower Upper
65 100
67 51.7 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: VN058458.D

Acq: 1 Oct 2019 12:34

Instrument :

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ClientSampleId :

MW-4

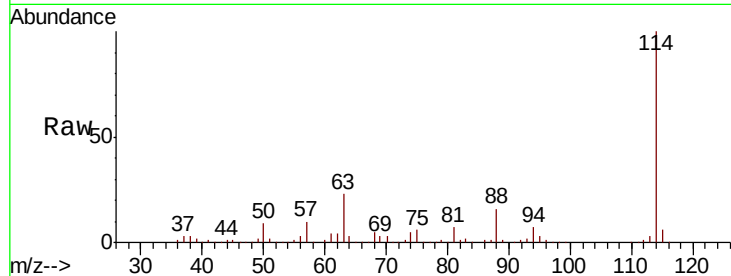
Tot Ion:114 Resp: 680130

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.0

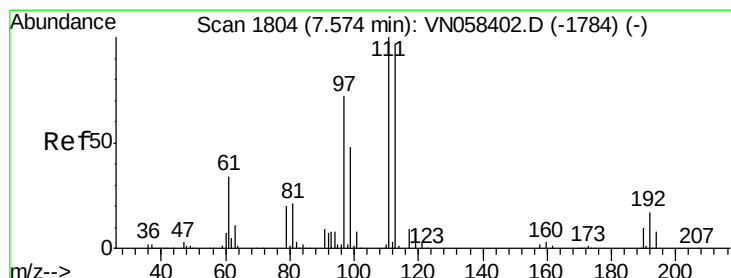
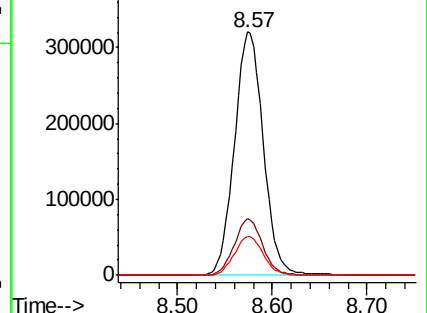
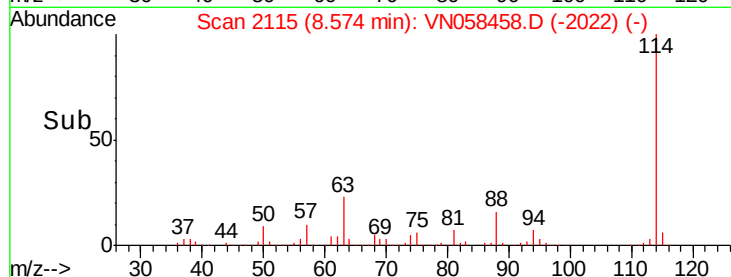
88 16.0 0.0 32.2



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: 51.219 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN058458.D

Acq: 1 Oct 2019 12:34

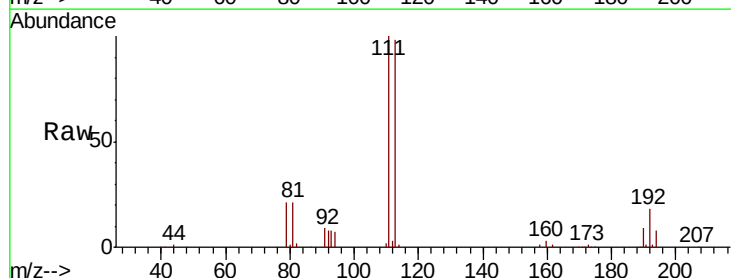
Tgt Ion:113 Resp: 213503

Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.2

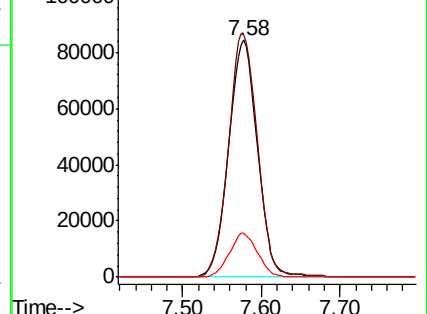
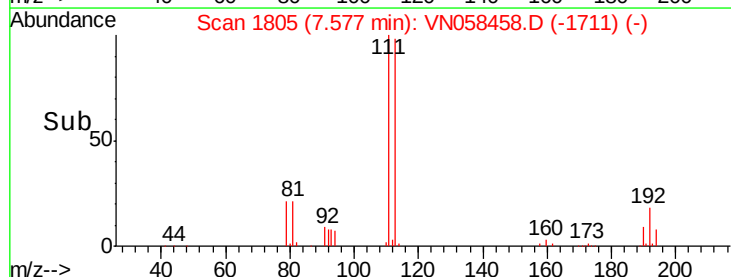
192 18.1 14.9 22.3

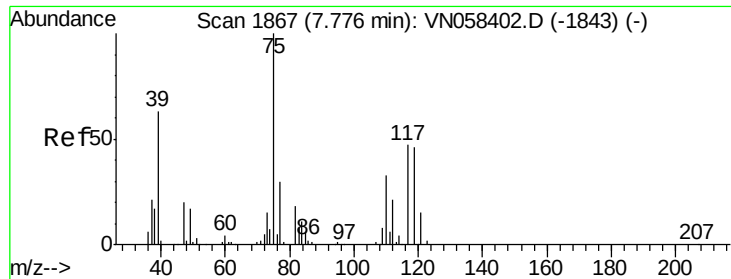


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

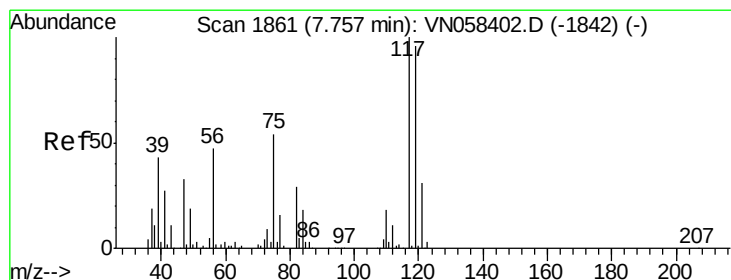
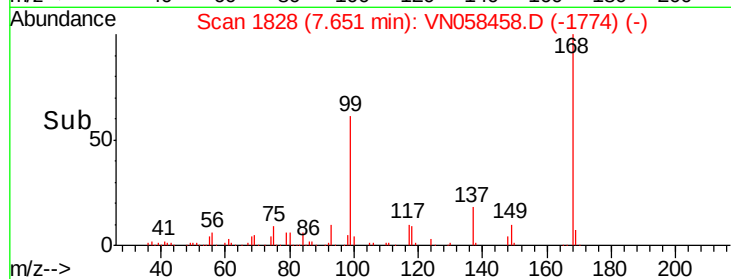
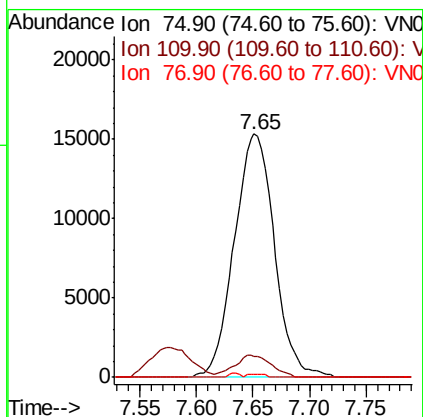
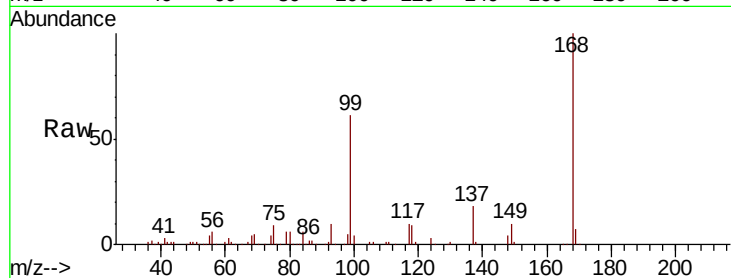




#36
 1,1-Dichloropropene
 Concen: 5.826 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058458.D
 Acq: 1 Oct 2019 12:34

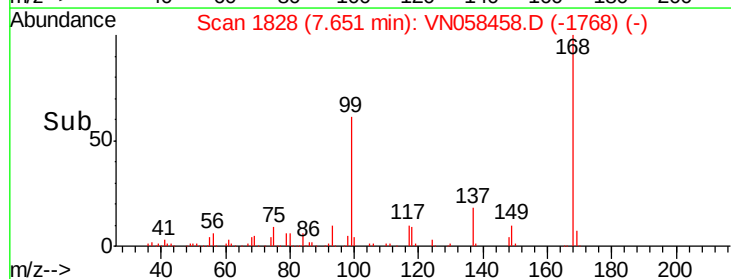
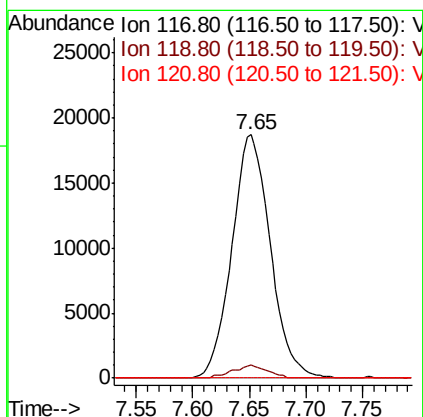
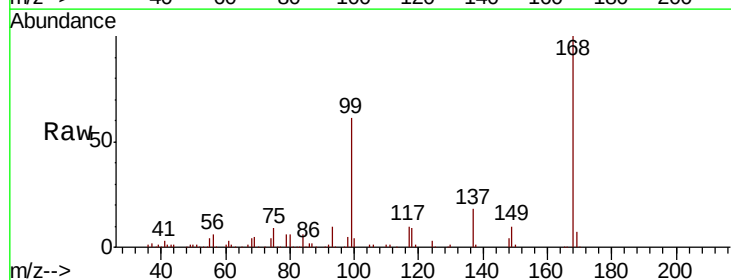
Instrument :
 MSVOA_N
 ClientSampled :
 MW-4

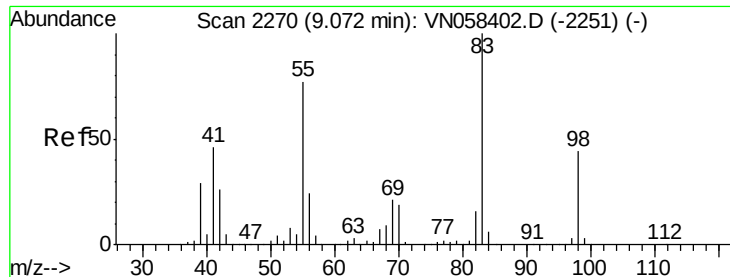
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	16.4	49.2#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 7.546 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058458.D
 Acq: 1 Oct 2019 12:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.6	115.0#
121	0.0	24.7	37.1#

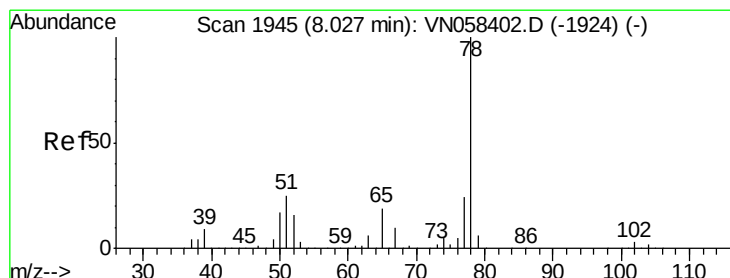
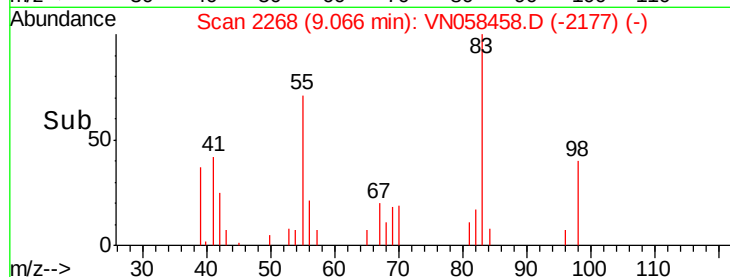
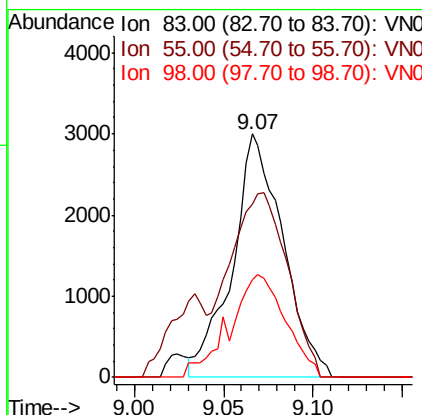
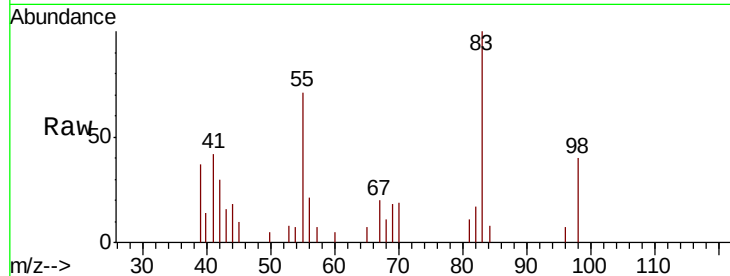




#39
Methylvlcyclohexane
Concen: 0.781 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.01 min
Lab File: VN058458.D
Acq: 1 Oct 2019 12:34

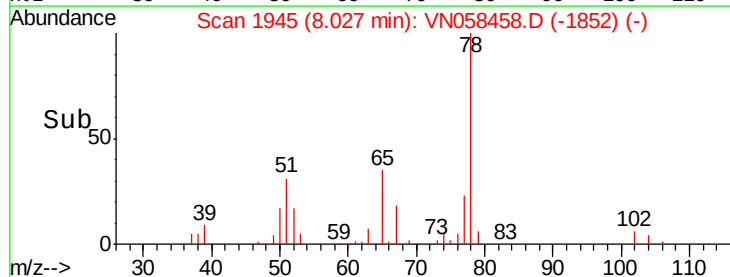
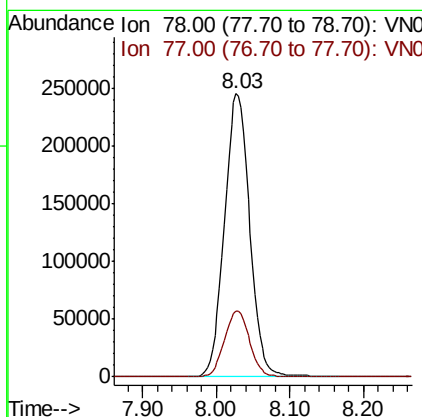
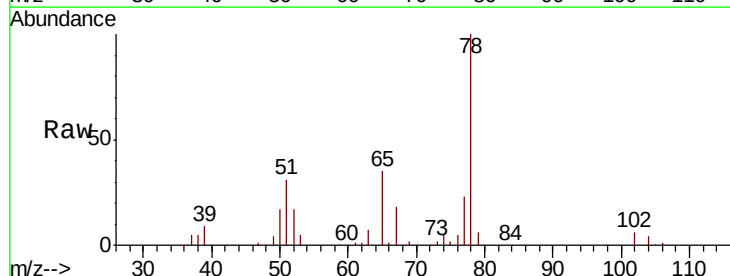
Instrument :
MSVOA_N
ClientSampled :
MW-4

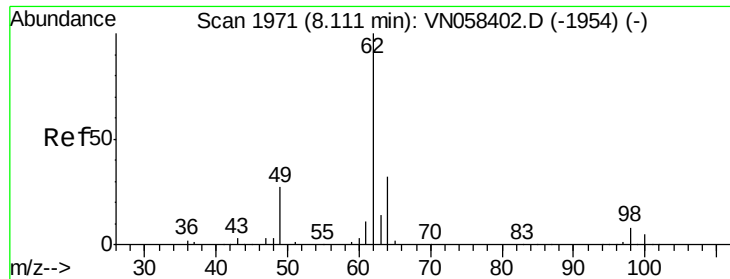
Tot Ion: 83 Resp: 5930
Ion Ratio Lower Upper
83 100
55 71.3 61.8 92.6
98 40.2 35.4 53.0



#40
Benzene
Concen: 31.348 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058458.D
Acq: 1 Oct 2019 12:34

Tgt Ion: 78 Resp: 586018
Ion Ratio Lower Upper
78 100
77 23.2 18.9 28.3

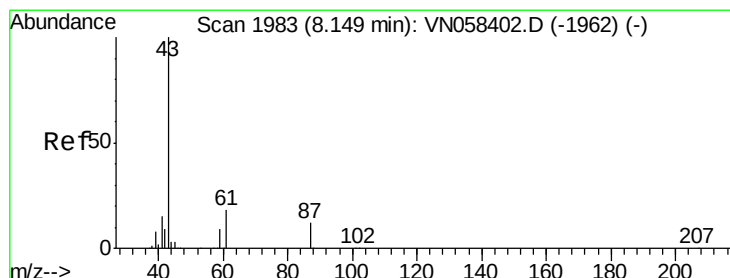
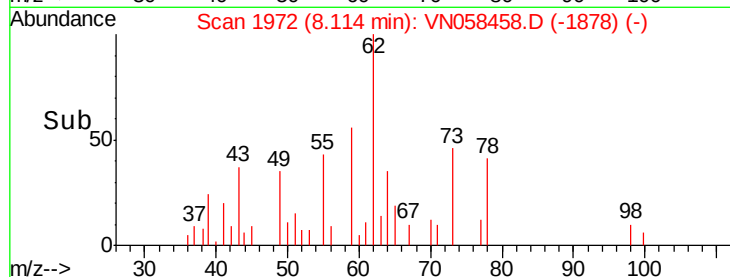
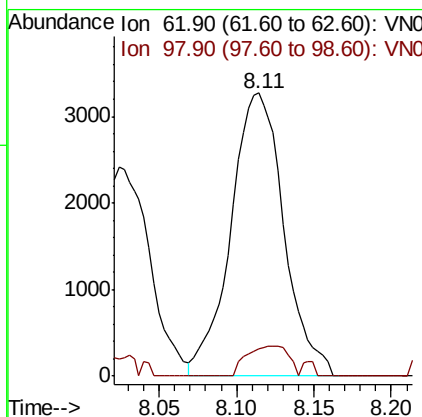
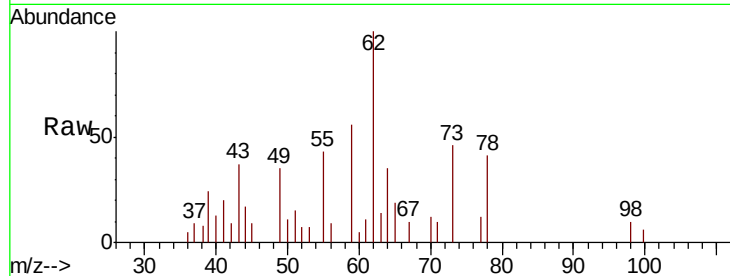




#42
 1,2-Dichloroethane
 Concen: 1.072 ug/l
 RT: 8.11 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VN058458.D
 Acq: 1 Oct 2019 12:34

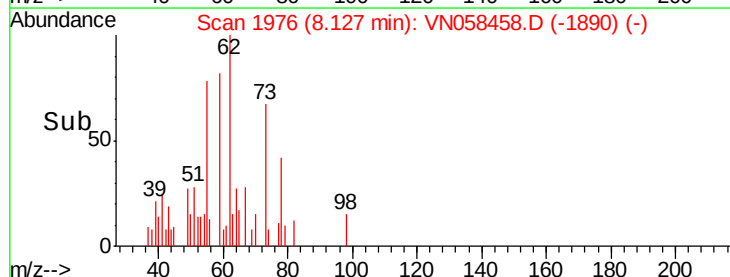
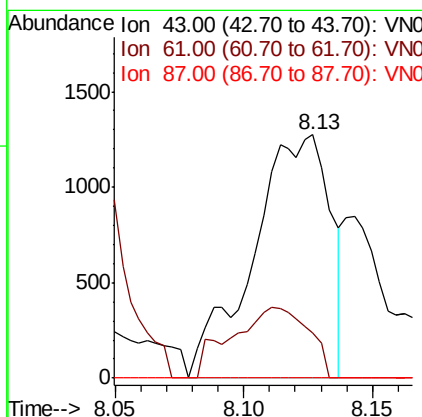
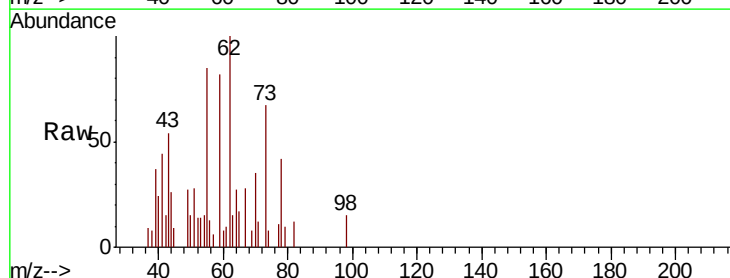
Instrument :
 MSVOA_N
 ClientSampled :
 MW-4

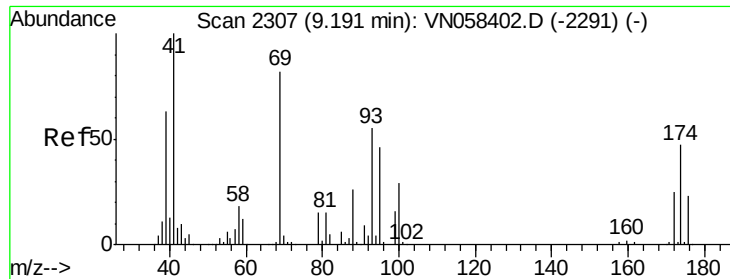
Tot Ion: 62 Resp: 7794
 Ion Ratio Lower Upper
 62 100
 98 8.4 0.0 15.6



#43
 Isopropyl Acetate
 Concen: 0.256 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. -0.02 min
 Lab File: VN058458.D
 Acq: 1 Oct 2019 12:34

Tgt Ion: 43 Resp: 2659
 Ion Ratio Lower Upper
 43 100
 61 28.8 14.8 22.2#
 87 0.0 9.7 14.5#

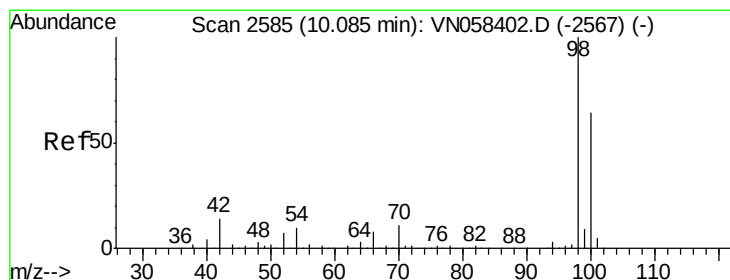
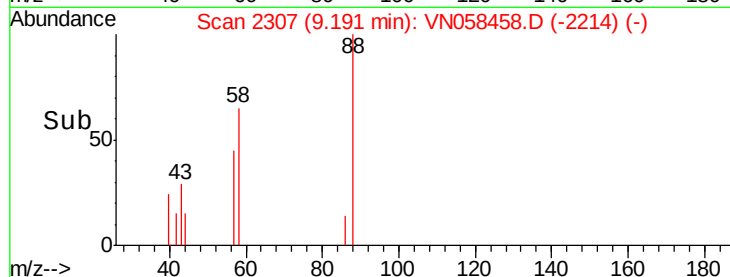
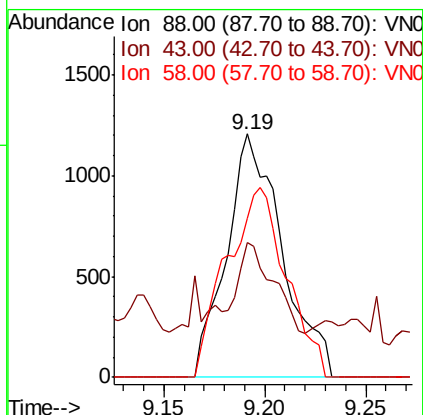
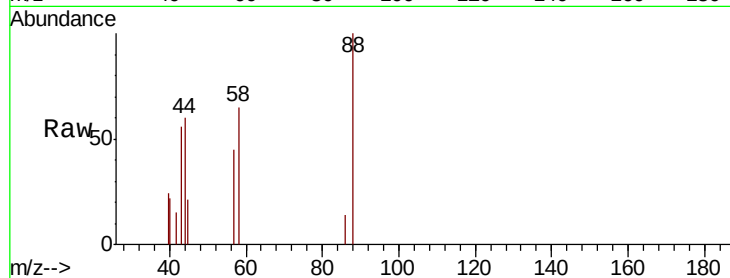




#49
 1,4-Dioxane
 Concen: 36.782 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058458.D
 Acq: 1 Oct 2019 12:34

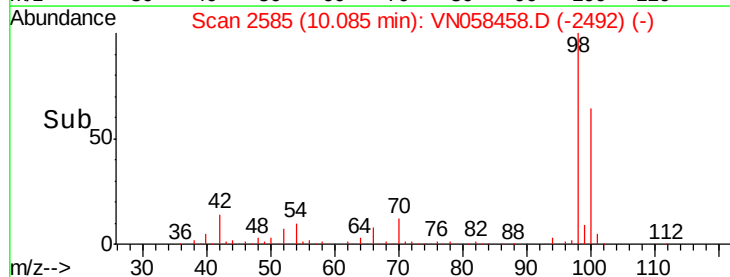
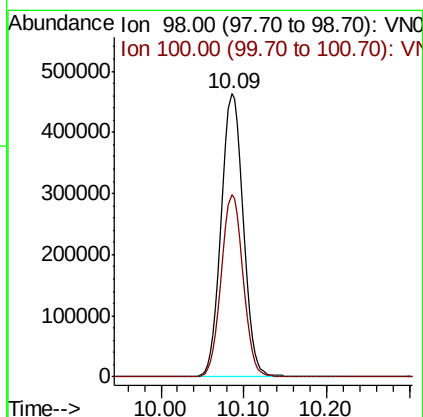
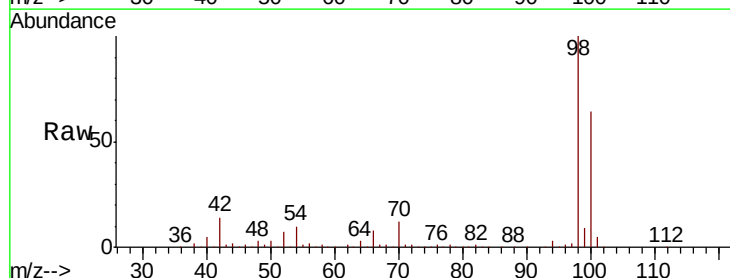
Instrument :
 MSVOA_N
 ClientSampled :
 MW-4

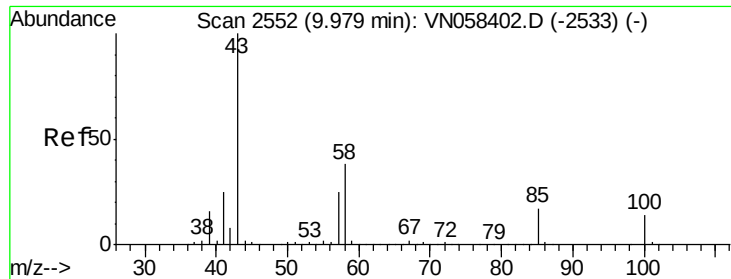
Tot Ion: 88 Resp: 2322
 Ion Ratio Lower Upper
 88 100
 43 26.1 31.1 46.7#
 58 83.9 58.1 87.1



#50
 Toluene-d8
 Concen: 52.381 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058458.D
 Acq: 1 Oct 2019 12:34

Tgt Ion: 98 Resp: 855352
 Ion Ratio Lower Upper
 98 100
 100 63.6 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 0.375 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058458.D

Acq: 1 Oct 2019 12:34

Instrument :

MSVOA_N

ClientSampled :

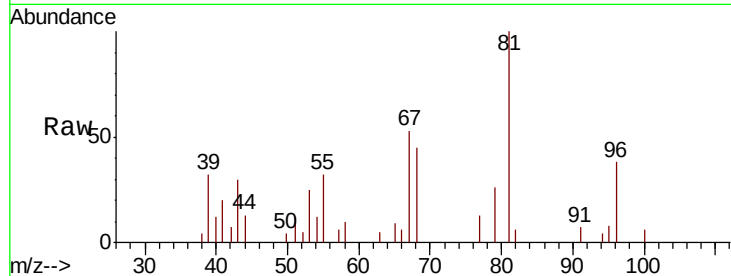
MW-4

Tot Ion: 43 Resp: 1996

Ion Ratio Lower Upper

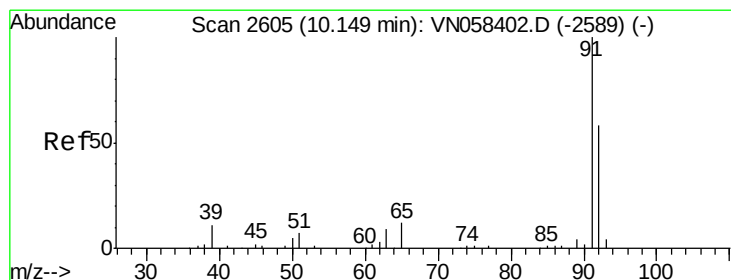
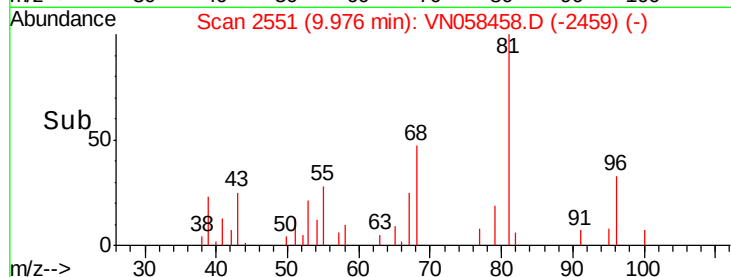
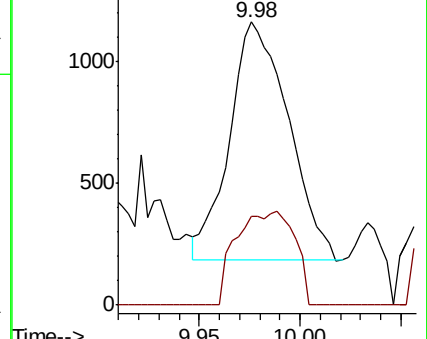
43 100

58 39.3 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 6.272 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058458.D

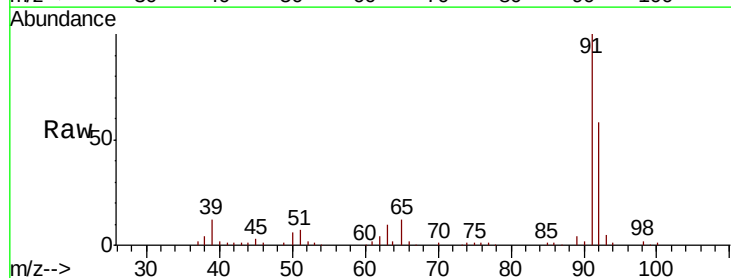
Acq: 1 Oct 2019 12:34

Tgt Ion: 92 Resp: 73803

Ion Ratio Lower Upper

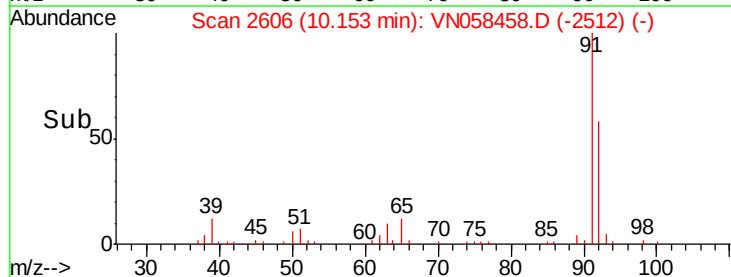
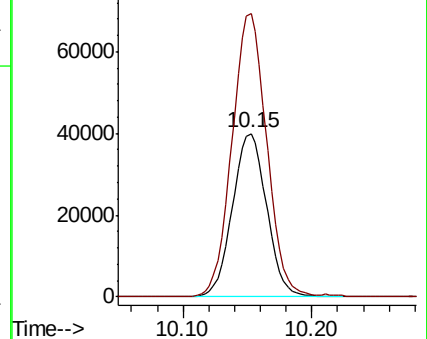
92 100

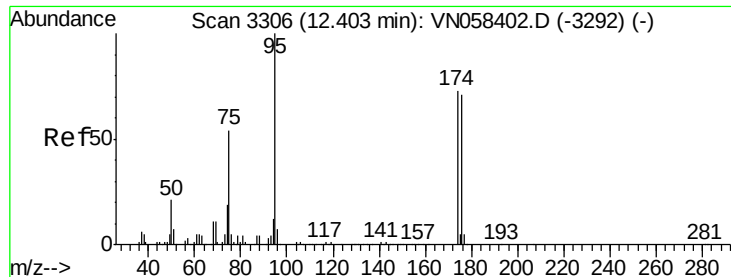
91 175.2 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#62

4-Bromofluorobenzene

Concen: 46.977 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058458.D

Acq: 1 Oct 2019 12:34

Instrument :

MSVOA_N

ClientSampled :

MW-4

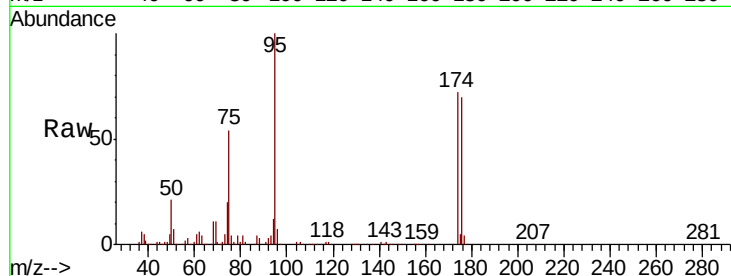
Tot Ion: 95 Resp: 277374

Ion Ratio Lower Upper

95 100

174 73.8 0.0 150.6

176 71.6 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) (-)

12.41

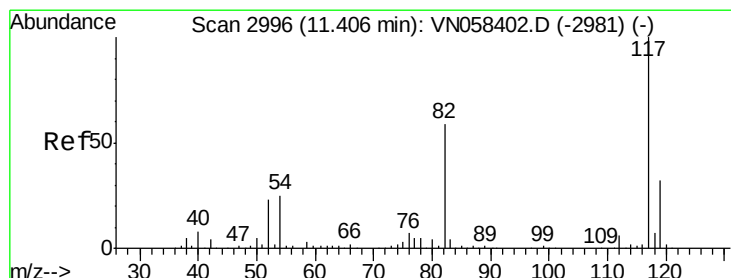
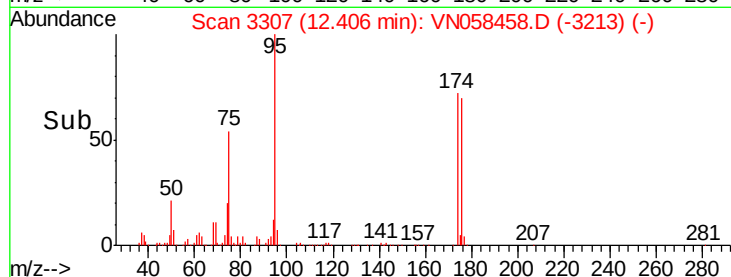
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058458.D

Acq: 1 Oct 2019 12:34

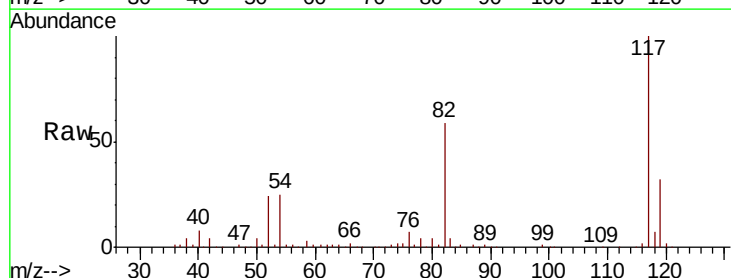
Tgt Ion: 117 Resp: 581317

Ion Ratio Lower Upper

117 100

82 58.6 47.4 71.0

119 32.3 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) (-)

11.41

400000

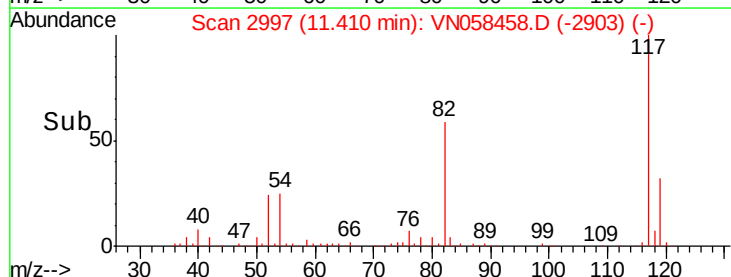
300000

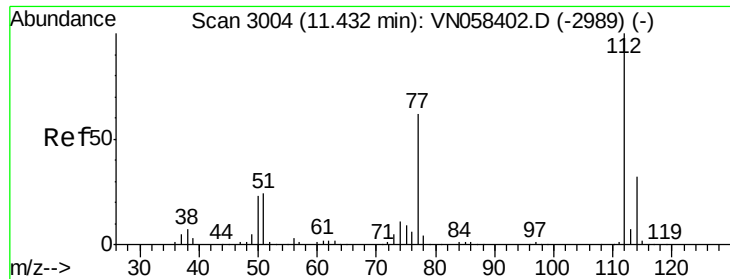
200000

100000

0

Time--> 11.30 11.40 11.50

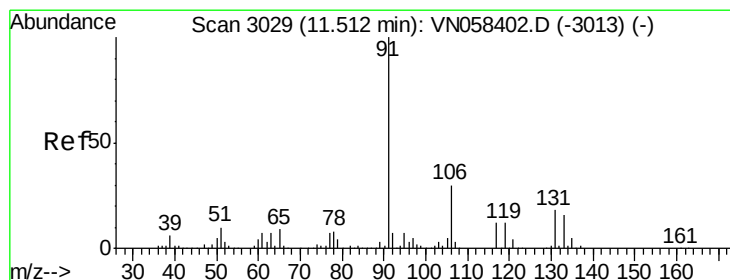
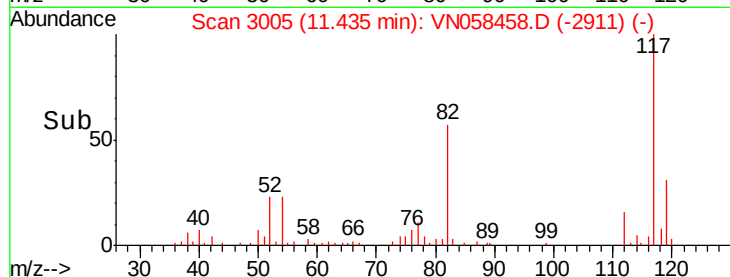
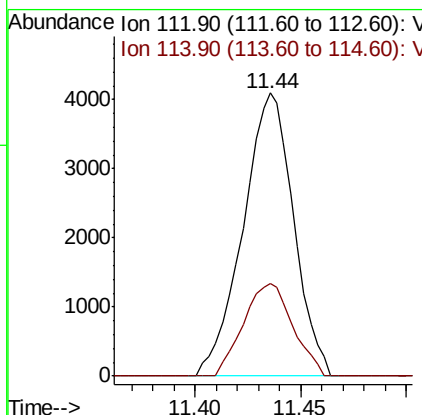
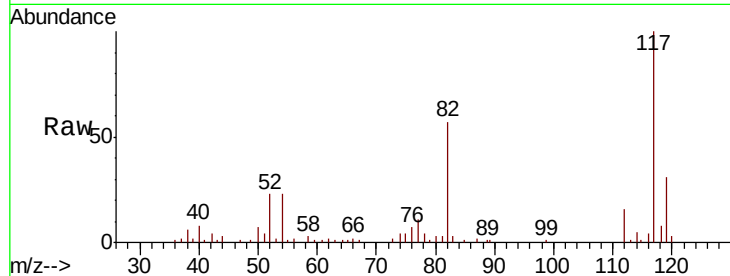




#65
Chlorobenzene
Concen: 0.591 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058458.D
Acq: 1 Oct 2019 12:34

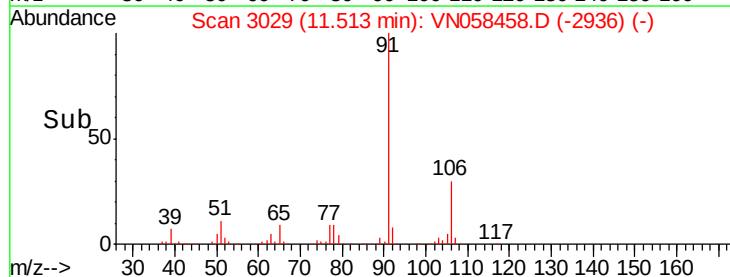
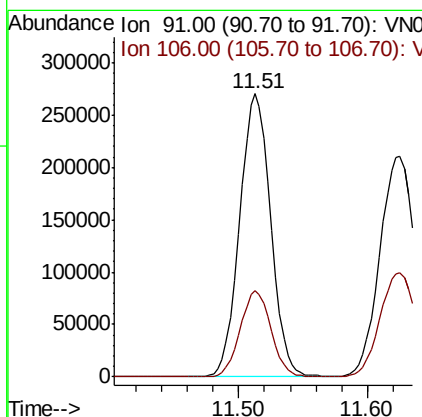
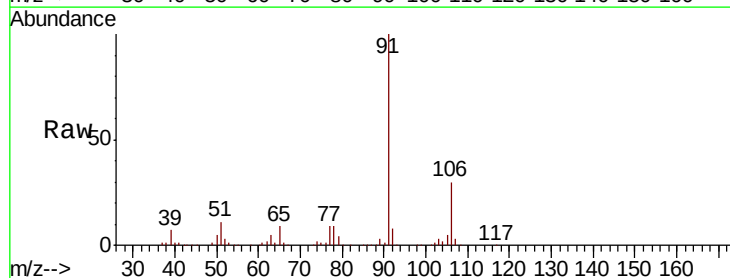
Instrument :
MSVOA_N
ClientSampled :
MW-4

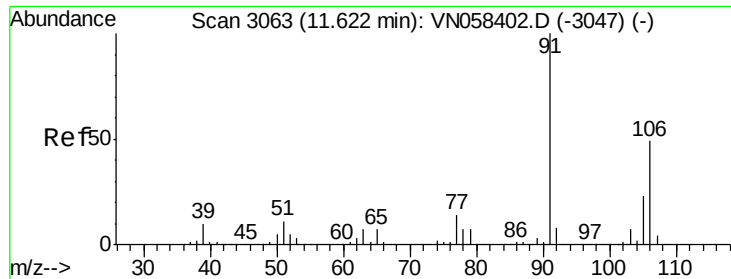
Tot Ion:112 Resp: 6831
Ion Ratio Lower Upper
112 100
114 32.9 25.4 38.2



#67
Ethyl Benzene
Concen: 21.594 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058458.D
Acq: 1 Oct 2019 12:34

Tgt Ion: 91 Resp: 451967
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5

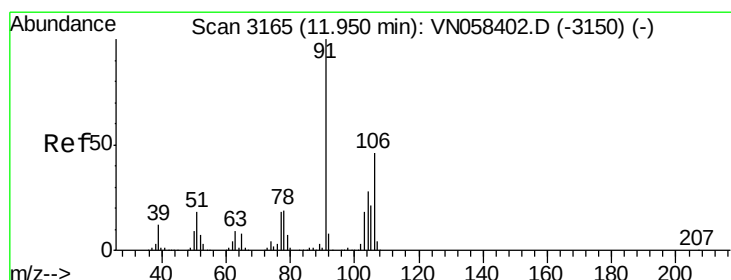
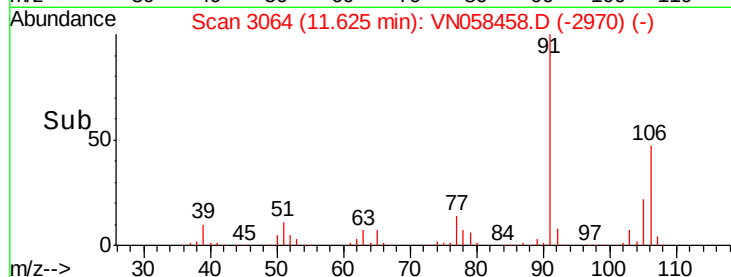
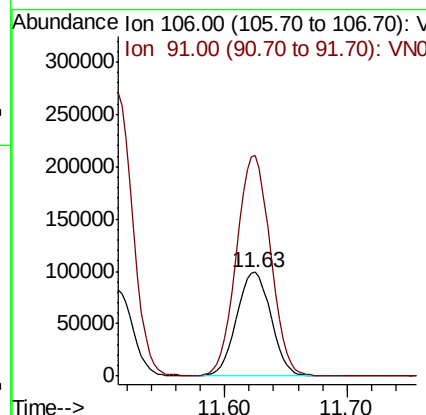
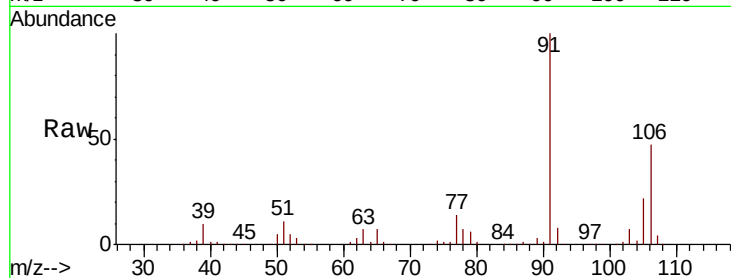




#68
m/p-Xylenes
Concen: 24.706 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058458.D
Acq: 1 Oct 2019 12:34

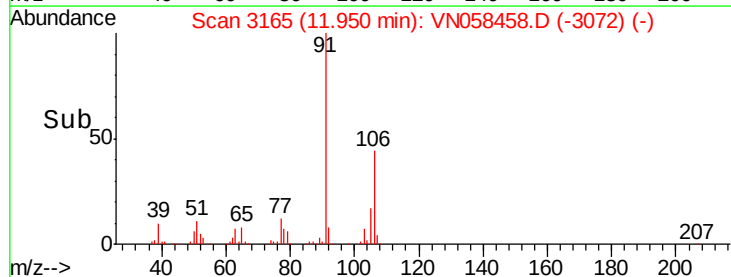
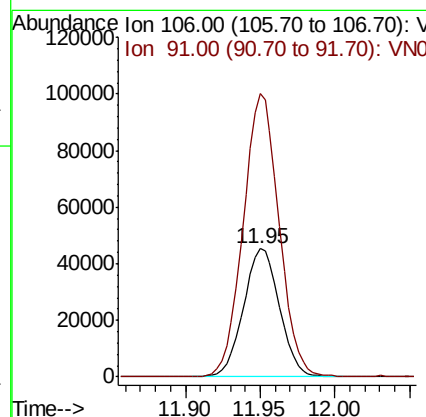
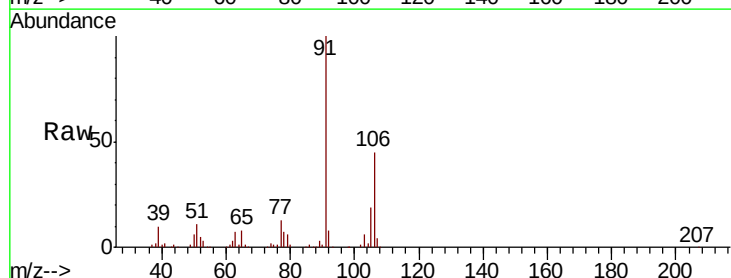
Instrument :
MSVOA_N
ClientSampled :
MW-4

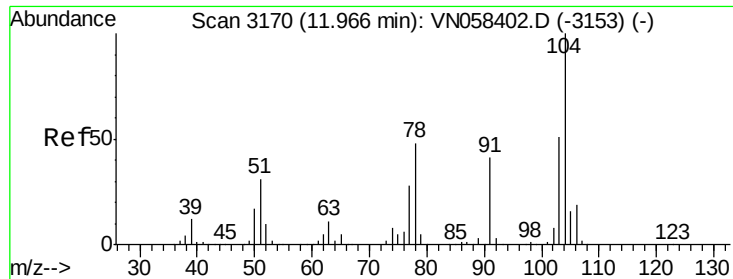
Tot Ion:106 Resp: 194555
Ion Ratio Lower Upper
106 100
91 209.8 165.0 247.4



#69
o-Xylene
Concen: 10.044 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058458.D
Acq: 1 Oct 2019 12:34

Tgt Ion:106 Resp: 76139
Ion Ratio Lower Upper
106 100
91 219.9 109.1 327.4

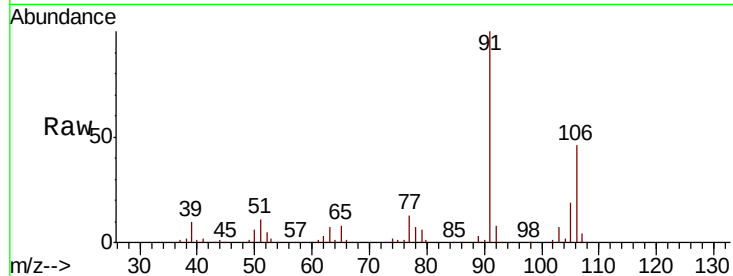




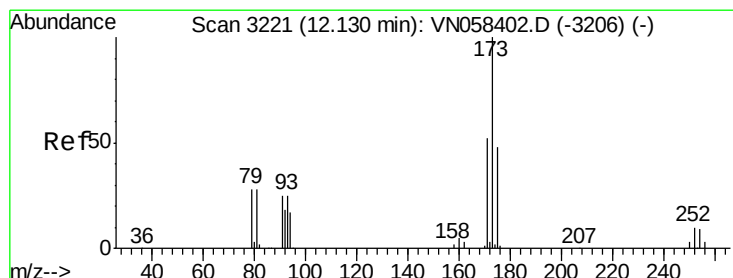
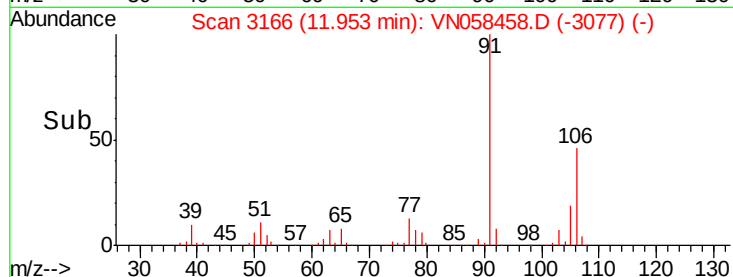
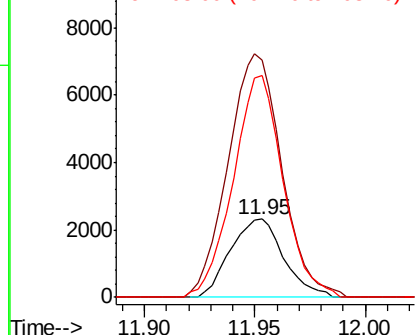
#70
Stvrene
Concen: 0.315 ug/l
RT: 11.95 min Scan# 3166
Delta R.T. -0.01 min
Lab File: VN058458.D
Acq: 1 Oct 2019 12:34

Instrument :
MSVOA_N
ClientSampled :
MW-4

Tot Ion:104 Resp: 3885
Ion Ratio Lower Upper
104 100
78 314.2 42.8 64.2#
103 266.6 43.7 65.5#

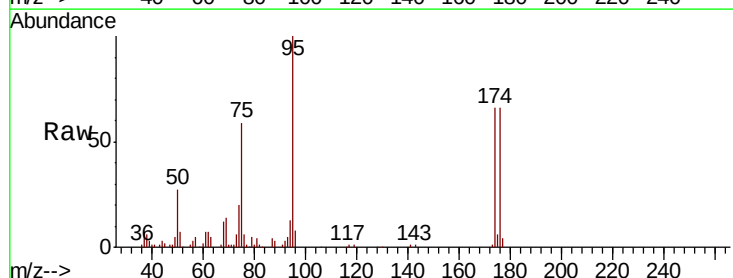


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

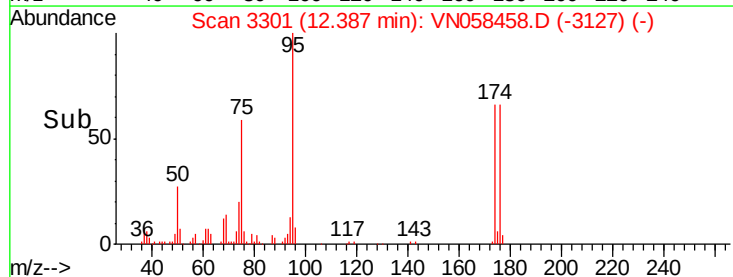
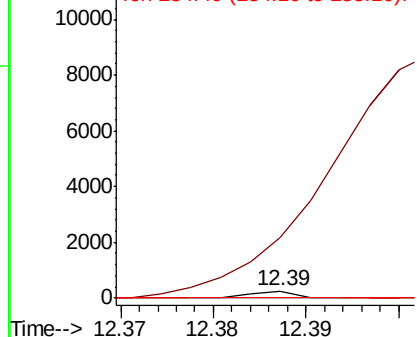


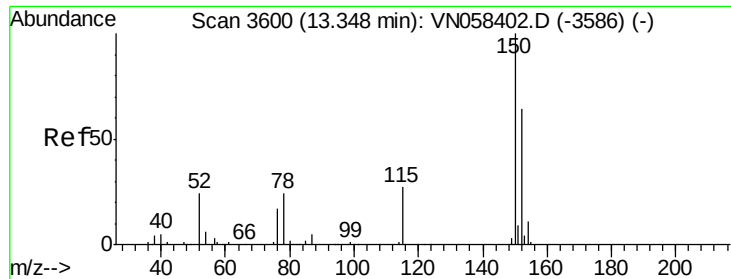
#71
Bromoform
Concen: 0.724 ug/l
RT: 12.39 min Scan# 3301
Delta R.T. 0.26 min
Lab File: VN058458.D
Acq: 1 Oct 2019 12:34

Tgt Ion:173 Resp: 81
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: VN058458.D

Acq: 1 Oct 2019 12:34

Instrument :

MSVOA_N

ClientSampled :

MW-4

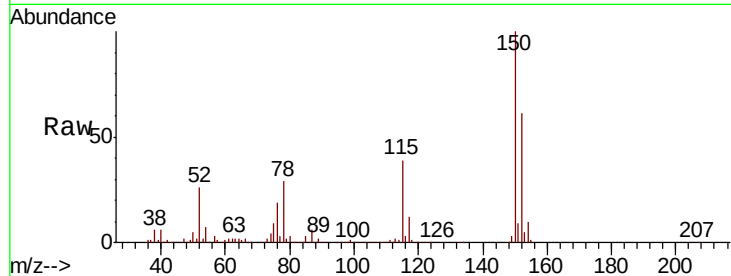
Tot Ion:152 Resp: 229441

Ion Ratio Lower Upper

152 100

115 64.5 30.0 90.0

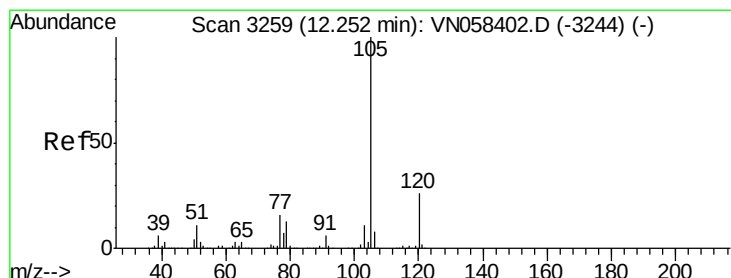
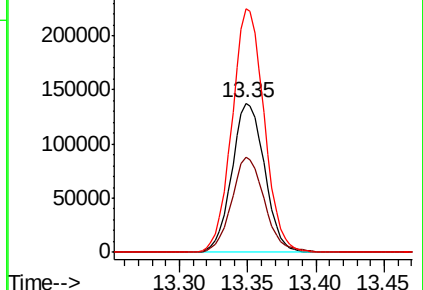
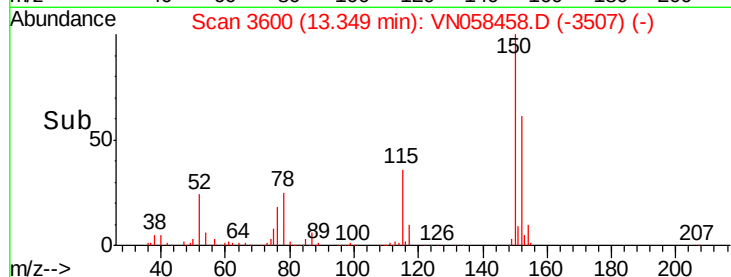
150 160.5 0.0 348.2



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: 2.241 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058458.D

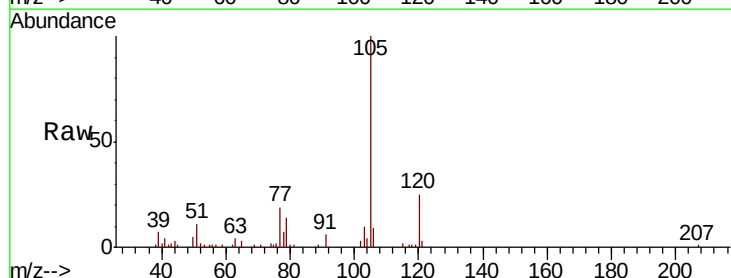
Acq: 1 Oct 2019 12:34

Tgt Ion:105 Resp: 38006

Ion Ratio Lower Upper

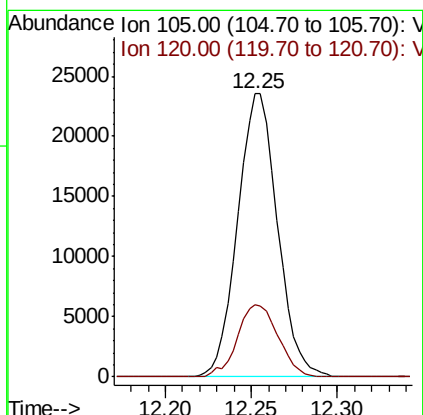
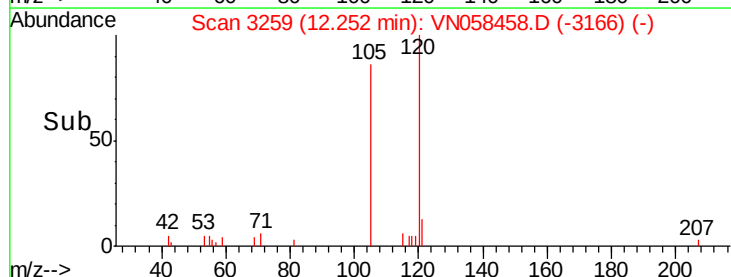
105 100

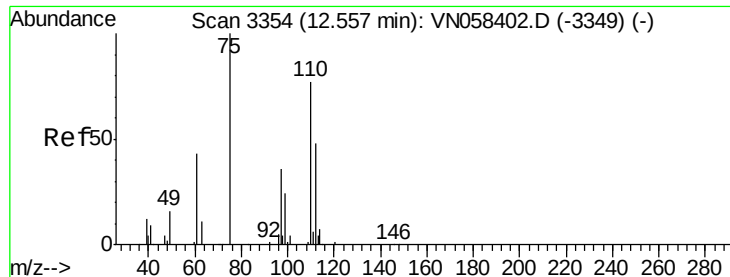
120 25.9 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 36.469 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058458.D

Acq: 1 Oct 2019 12:34

Instrument :

MSVOA_N

ClientSampled :

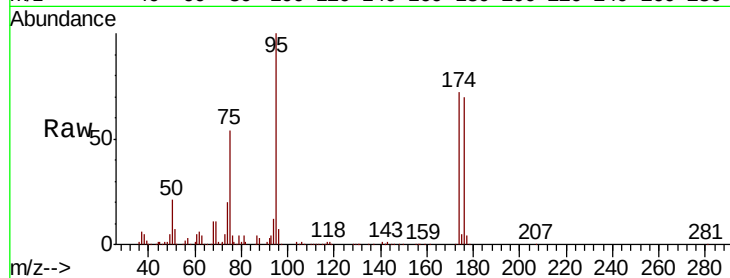
MW-4

Tot Ion: 75 Resp: 152833

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.41

100000

80000

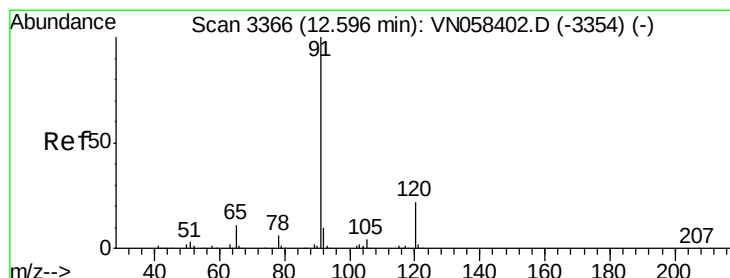
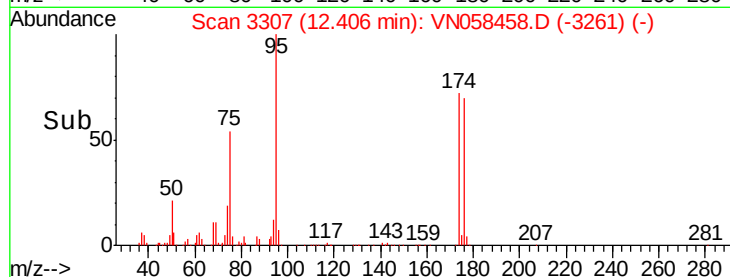
60000

40000

20000

0

Time-->



#78

n-propylbenzene

Concen: 1.895 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058458.D

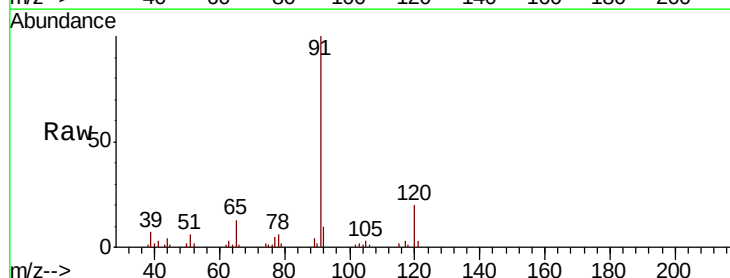
Acq: 1 Oct 2019 12:34

Tgt Ion: 91 Resp: 36198

Ion Ratio Lower Upper

91 100

120 20.2 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.60

25000

20000

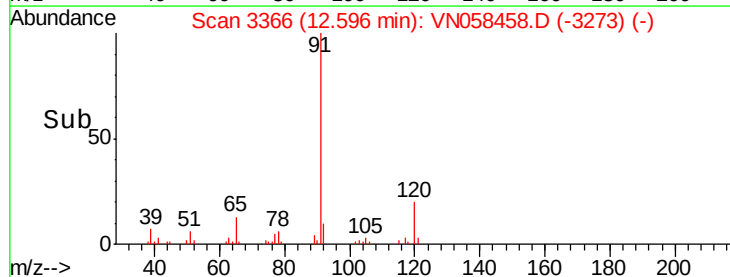
15000

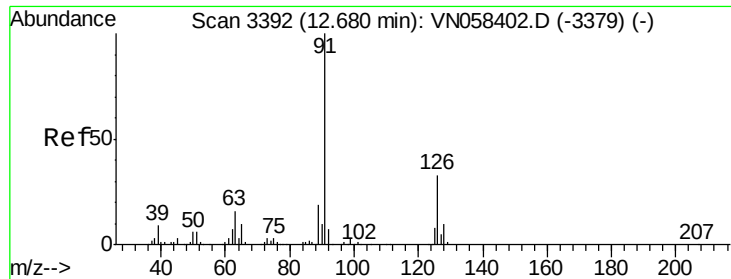
10000

5000

0

Time-->





#79

2-Chlorotoluene

Concen: 0.487 ug/l

RT: 12.69 min Scan# 3396

Delta R.T. 0.01 min

Lab File: VN058458.D

Acq: 1 Oct 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

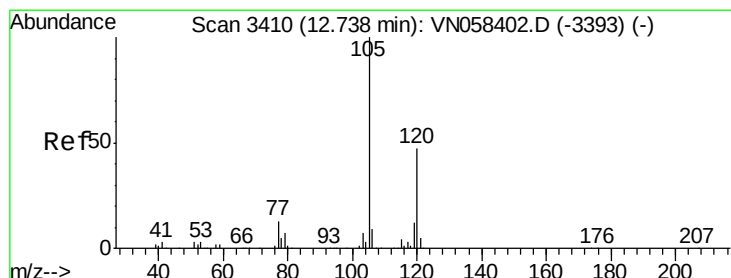
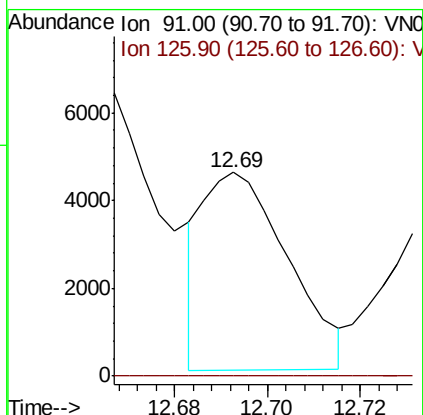
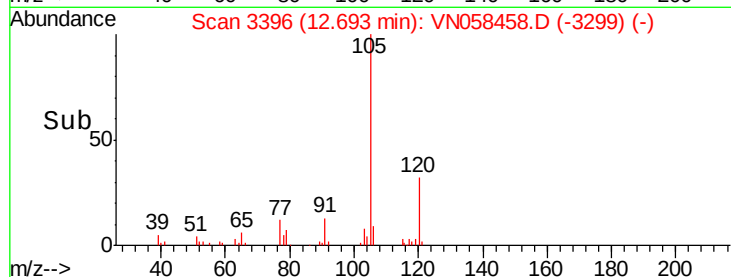
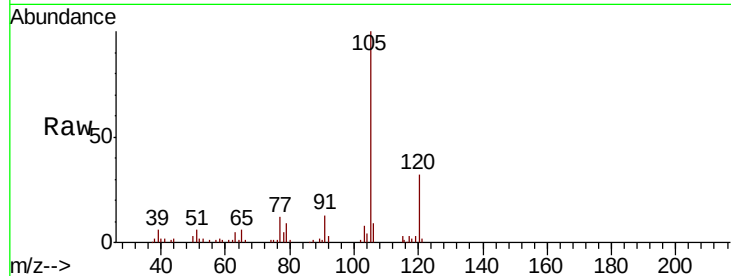
MW-4

Tot Ion: 91 Resp: 5742

Ion Ratio Lower Upper

91 100

126 0.0 16.2 48.6#



#80

1,3,5-Trimethylbenzene

Concen: 4.294 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058458.D

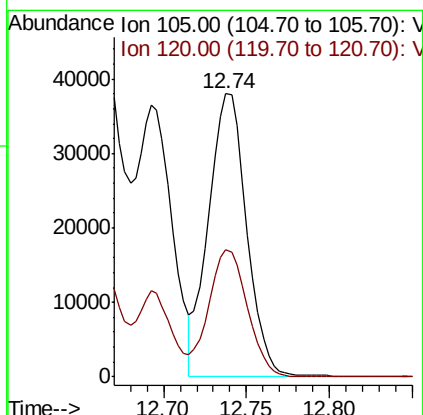
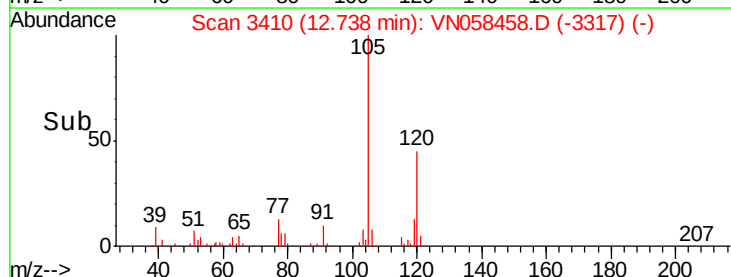
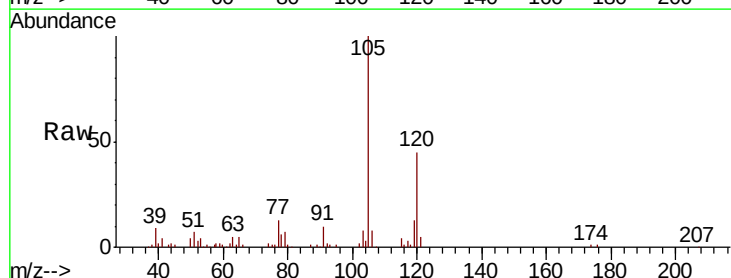
Acq: 1 Oct 2019 12:34

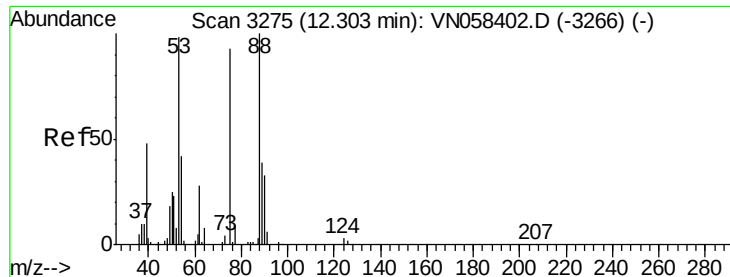
Tgt Ion: 105 Resp: 60954

Ion Ratio Lower Upper

105 100

120 45.3 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 110.761 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058458.D

Acq: 1 Oct 2019 12:34

Instrument :

MSVOA_N

ClientSampled :

MW-4

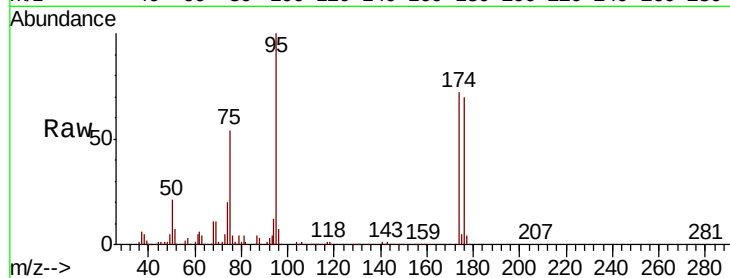
Tot Ion: 75 Resp: 152833

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

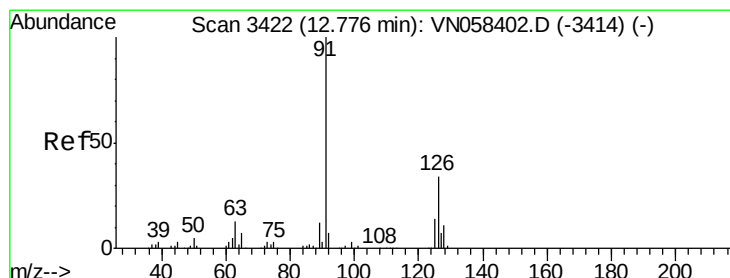
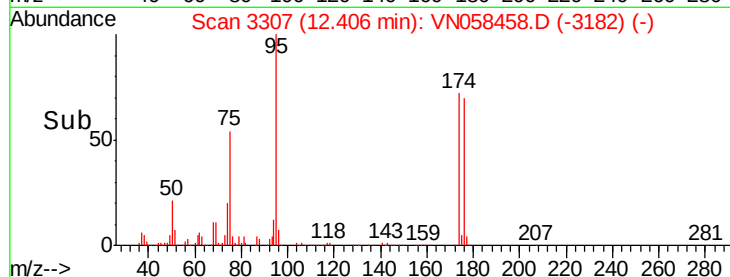
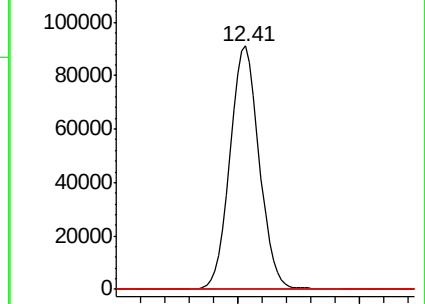
89 0.0 35.0 52.4#



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: 0.510 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.04 min

Lab File: VN058458.D

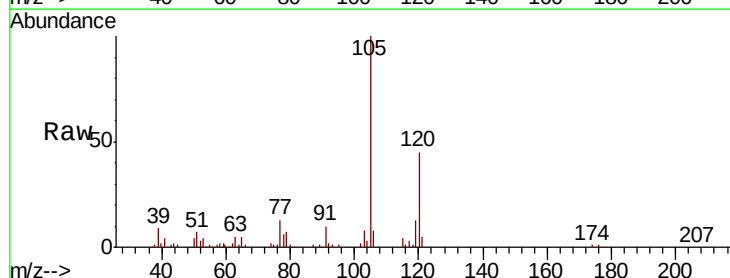
Acq: 1 Oct 2019 12:34

Tgt Ion: 91 Resp: 6139

Ion Ratio Lower Upper

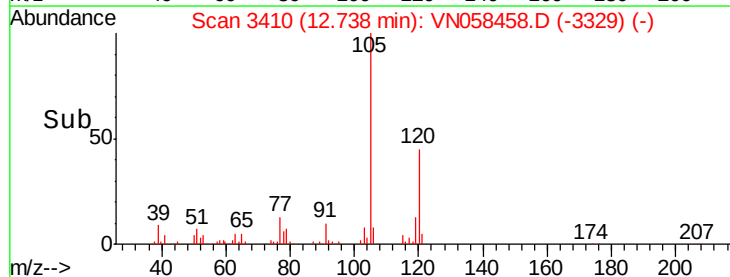
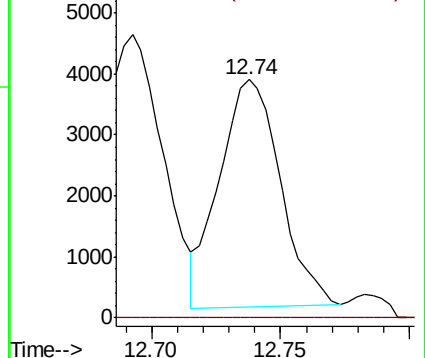
91 100

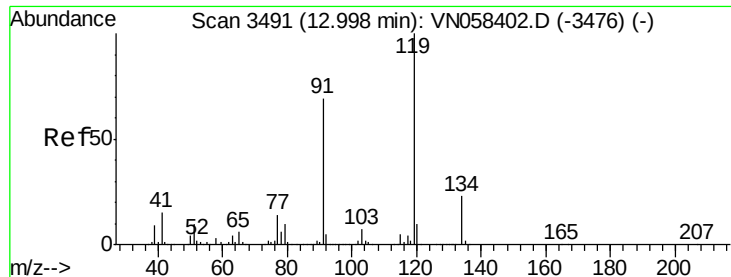
126 0.0 15.9 47.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

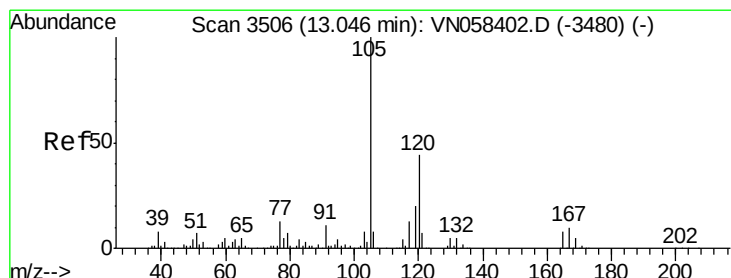
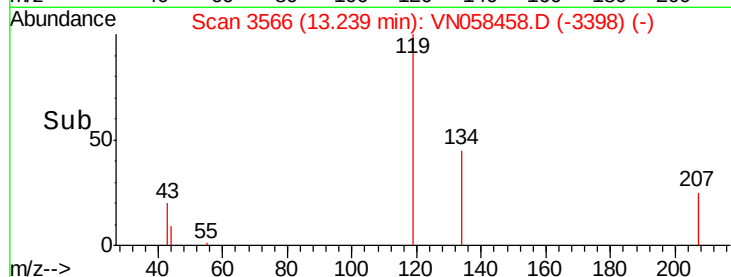
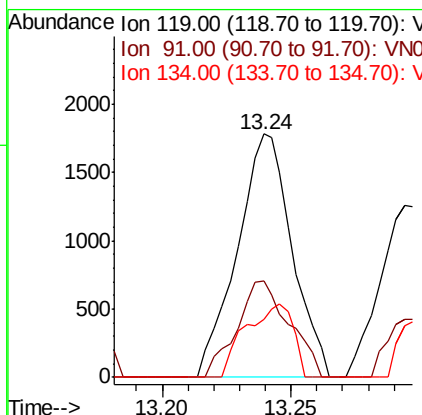
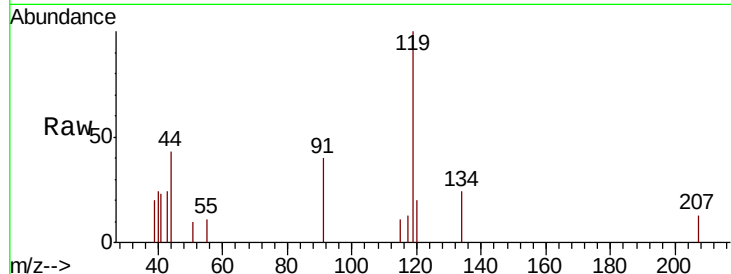




#83
 tert-Butylbenzene
 Concen: 0.220 ug/l
 RT: 13.24 min Scan# 3566
 Delta R.T. 0.24 min
 Lab File: VN058458.D
 Acq: 1 Oct 2019 12:34

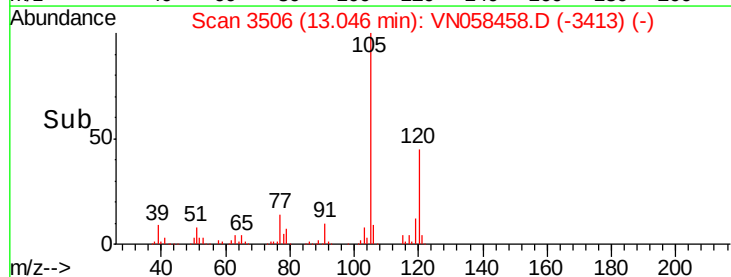
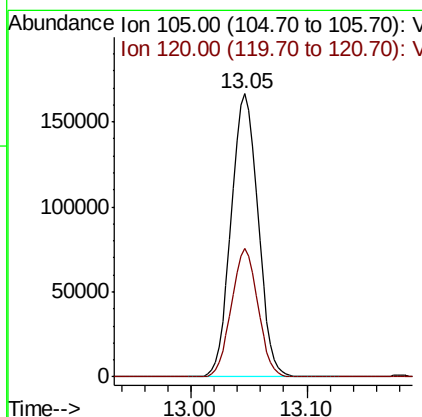
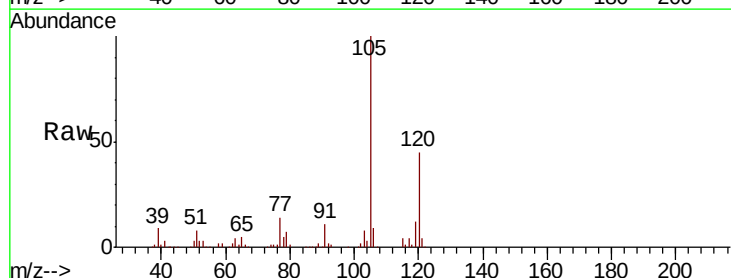
Instrument :
 MSVOA_N
 ClientSampled :
 MW-4

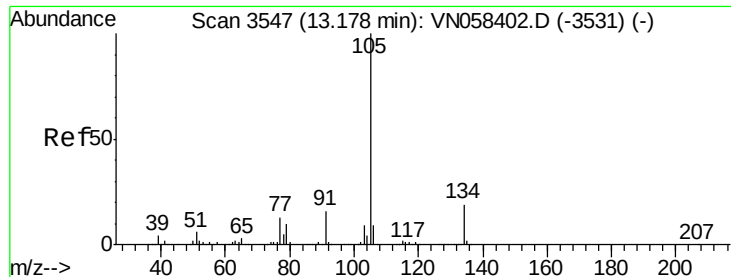
Tot Ion:119 Resp: 2639
 Ion Ratio Lower Upper
 119 100
 91 38.1 34.2 102.6
 134 26.0 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 18.842 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058458.D
 Acq: 1 Oct 2019 12:34

Tgt Ion:105 Resp: 267950
 Ion Ratio Lower Upper
 105 100
 120 44.7 21.7 65.1





#85

sec-Butylbenzene

Concen: 16.997 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. -0.13 min

Lab File: VN058458.D

Acq: 1 Oct 2019 12:34

Instrument :

MSVOA_N

ClientSampled :

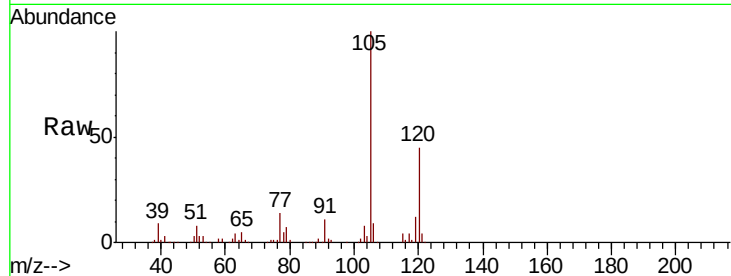
MW-4

Tot Ion:105 Resp: 267950

Ion Ratio Lower Upper

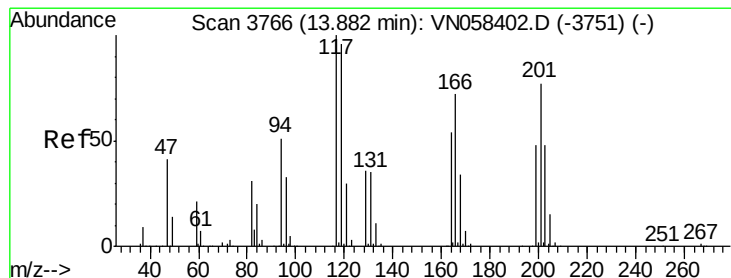
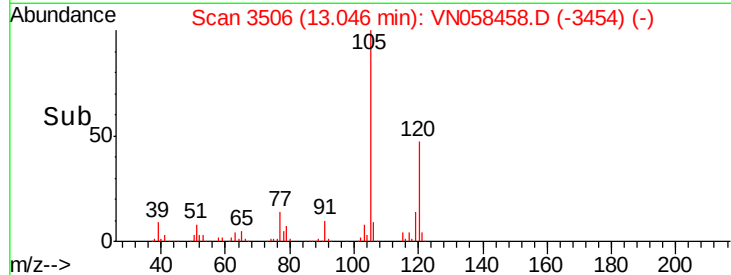
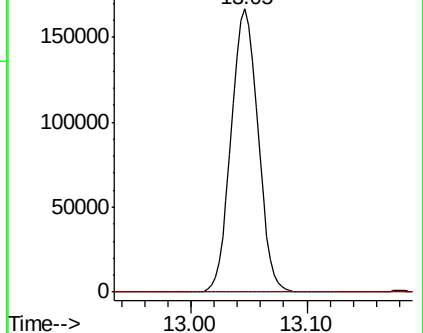
105 100

134 0.0 9.4 28.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 0.887 ug/l

RT: 13.90 min Scan# 3771

Delta R.T. 0.02 min

Lab File: VN058458.D

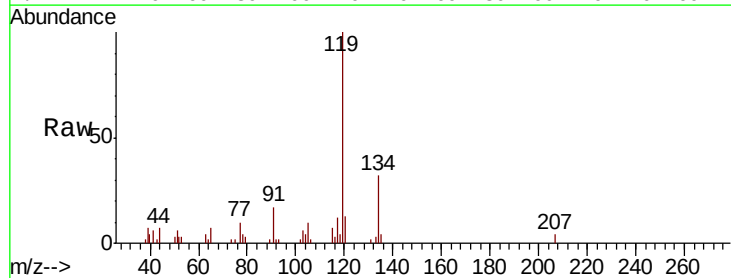
Acq: 1 Oct 2019 12:34

Tgt Ion:117 Resp: 1849

Ion Ratio Lower Upper

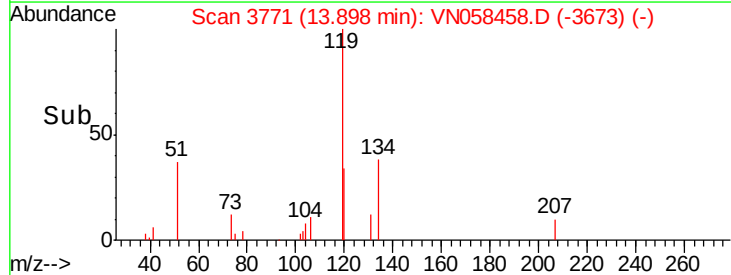
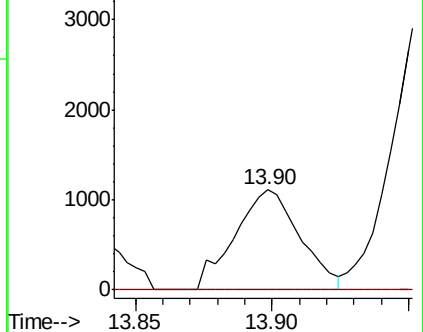
117 100

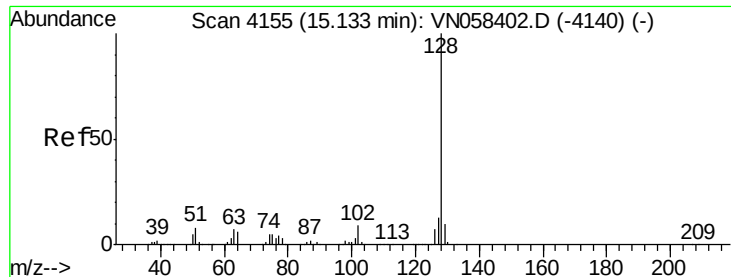
201 0.0 38.6 116.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

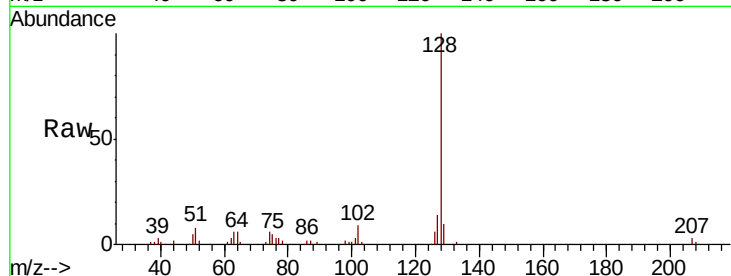




#95
 Naphthalene
 Concen: 5.770 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN058458.D
 Acq: 1 Oct 2019 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.2	15.4
129	10.5	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

