

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111720\
 Data File : VN064673.D
 Acq On : 17 Nov 2020 11:59
 Operator : JC/MD
 Sample : VN1117WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117WBL01

Quant Time: Nov 18 01:35:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	217193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	431943	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	462461	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	168116	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	214519	56.70	ug/l	0.00
Spiked Amount			Recovery	=	113.40%	
35) Dibromofluoromethane	7.55	113	159399	54.20	ug/l	0.00
Spiked Amount			Recovery	=	108.40%	
50) Toluene-d8	10.06	98	575234	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.38	95	212802	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	

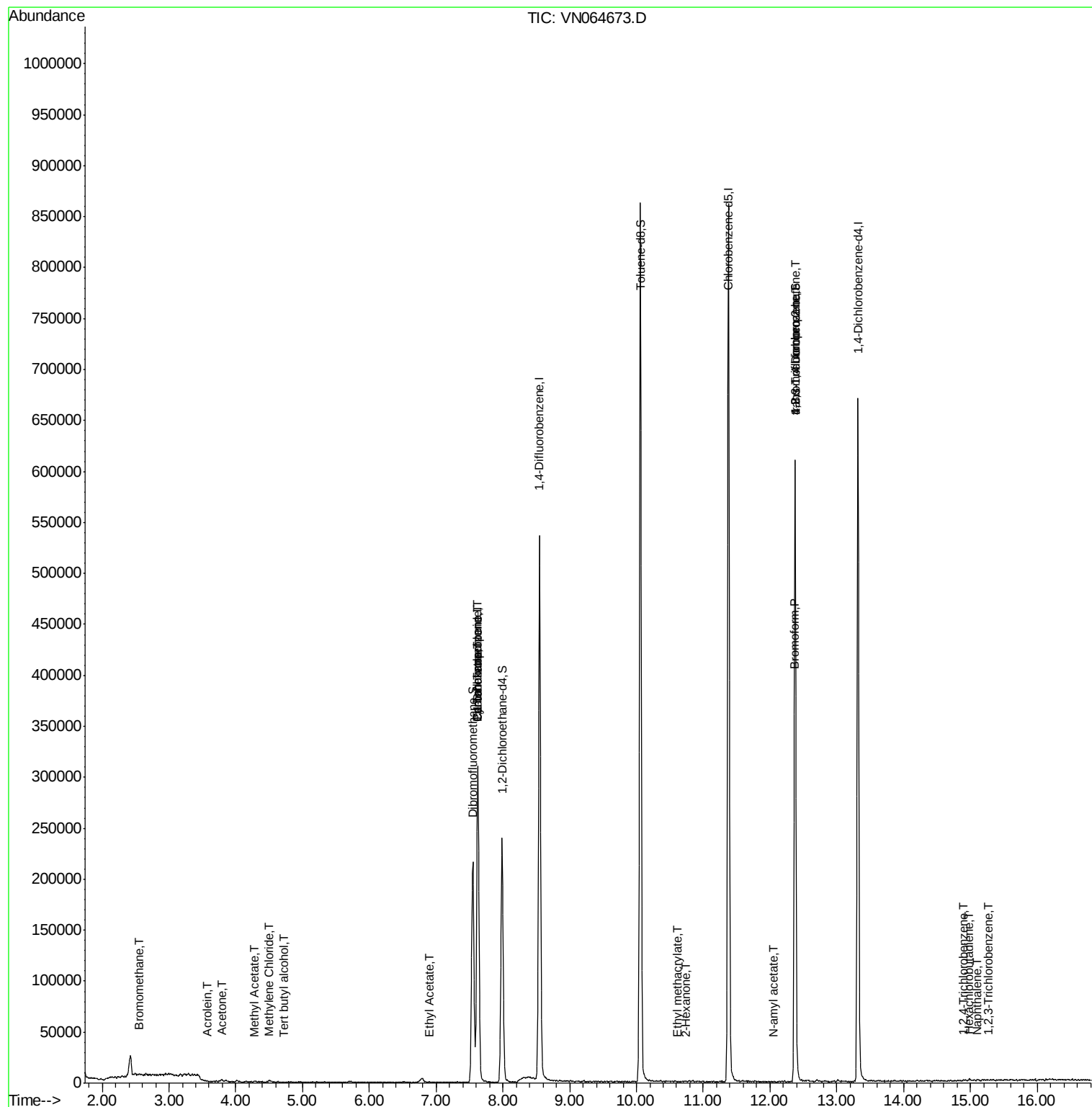
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	721	0.320	ug/l #	73
11) Tert butyl alcohol	4.71	59	90	0.216	ug/l #	71
13) Acrolein	3.57	56	116	0.448	ug/l #	1
16) Acetone	3.79	43	2551	1.770	ug/l #	82
18) Methyl Acetate	4.28	43	622	0.220	ug/l #	55
20) Methylene Chloride	4.50	84	679	0.237	ug/l #	70
31) Cyclohexane	7.62	56	6429	1.398	ug/l #	16
36) 1,1-Dichloropropene	7.63	75	21160	4.637	ug/l #	52
37) Ethyl Acetate	6.90	43	67	0.777	ug/l #	71
38) Carbon Tetrachloride	7.62	117	24961	5.118	ug/l #	16
56) Ethyl methacrylate	10.62	69	30	1.847	ug/l #	20
59) 2-Hexanone	10.72	43	471	4.160	ug/l #	28
71) Bromoform	12.35	173	197	1.343	ug/l #	29
74) N-amyl acetate	12.06	43	122	1.233	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	119608	29.364	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	119608	81.987	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.89	180	113	2.704	ug/l #	77
94) Hexachlorobutadiene	14.98	225	474	0.429	ug/l #	42
95) Naphthalene	15.11	128	459	3.669	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.28	180	173	2.838	ug/l #	26

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

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Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN064673.D

Acq: 17 Nov 2020 11:59

Instrument :

MSVOA_N

ClientSampled :

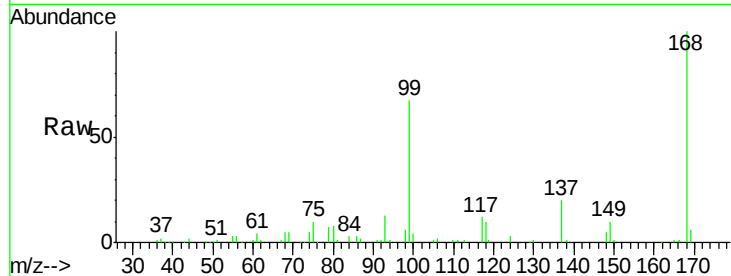
VN1117WBL01

Tot Ion:168 Resp: 217193

Ion Ratio Lower Upper

168 100

99 67.0 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

100000

80000

60000

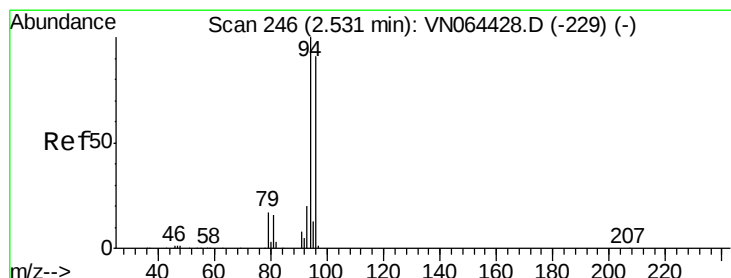
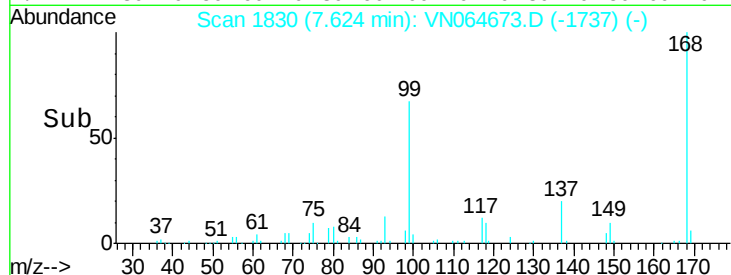
40000

20000

0

Time-->

7.50 7.60 7.70



#5

Bromomethane

Concen: 0.320 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN064673.D

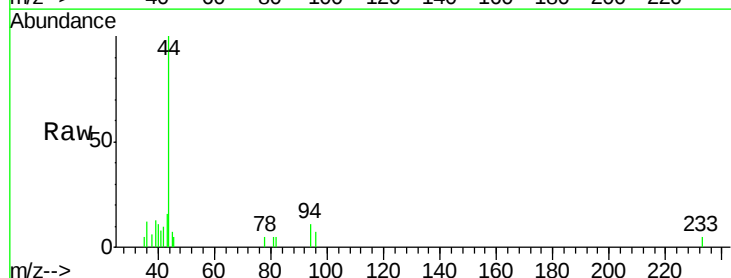
Acq: 17 Nov 2020 11:59

Tgt Ion: 94 Resp: 721

Ion Ratio Lower Upper

94 100

96 66.1 73.1 109.7#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.54

500

400

300

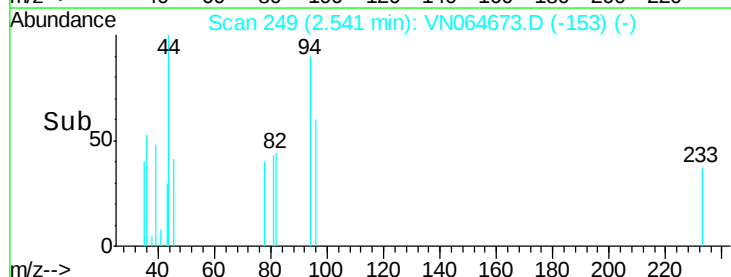
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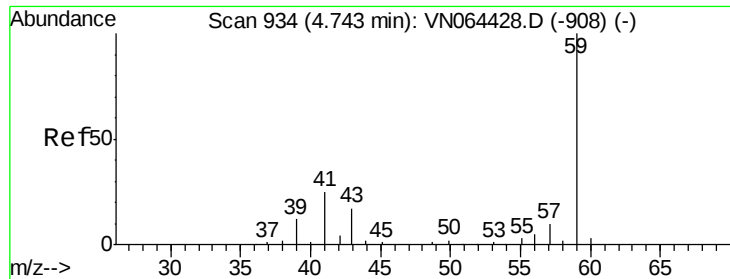
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Time-->

2.50 2.52 2.54 2.56 2.58

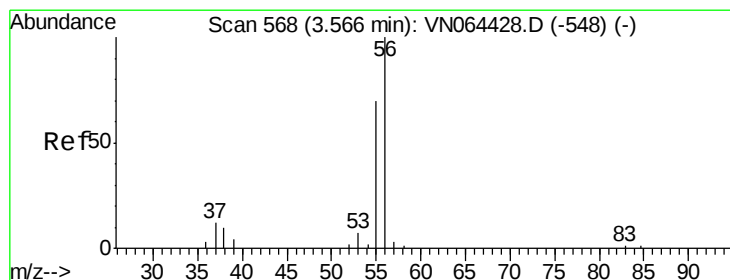
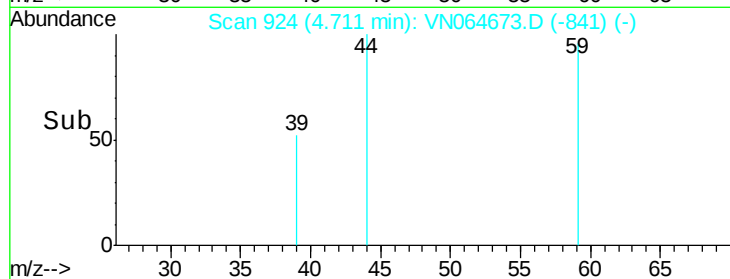
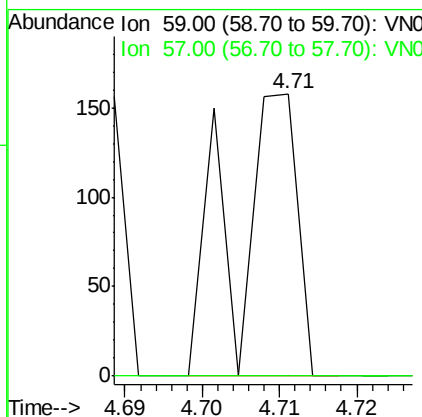
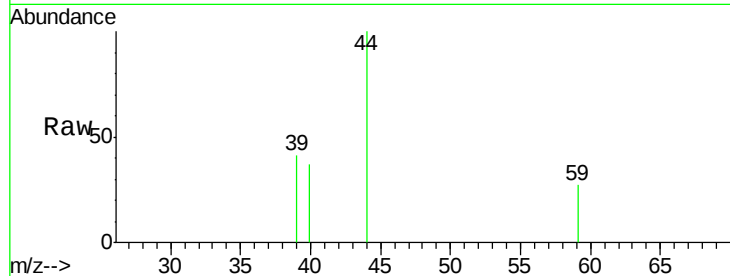




#11
Tert butyl alcohol
Concen: 0.216 ug/l
RT: 4.71 min Scan# 924
Delta R.T. -0.03 min
Lab File: VN064673.D
Acq: 17 Nov 2020 11:59

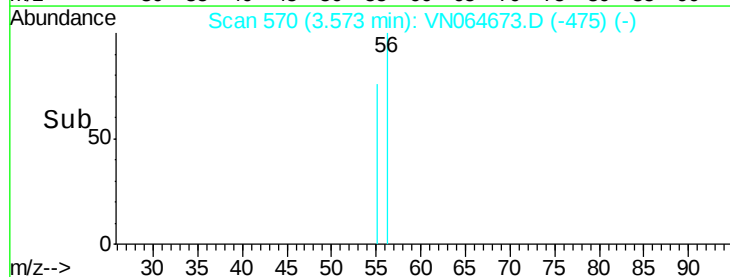
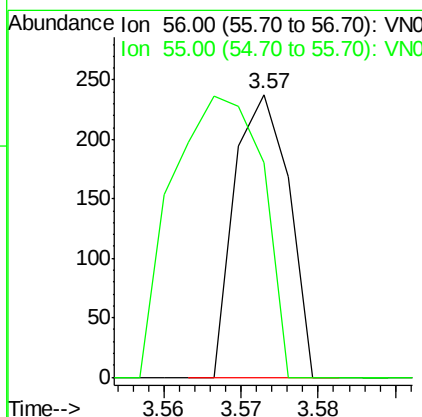
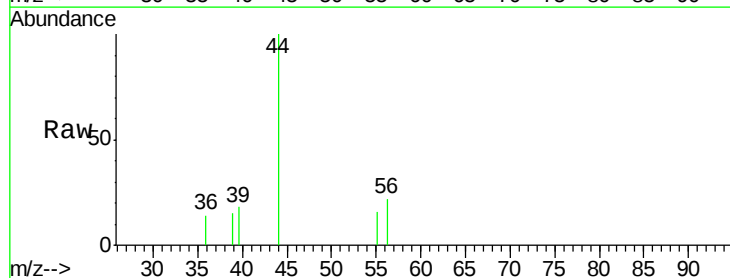
Instrument :
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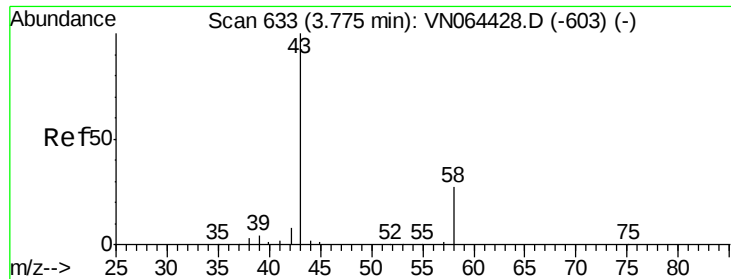
Tot Ion: 59 Resp: 90
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#13
Acrolein
Concen: 0.448 ug/l
RT: 3.57 min Scan# 570
Delta R.T. 0.01 min
Lab File: VN064673.D
Acq: 17 Nov 2020 11:59

Tgt Ion: 56 Resp: 116
Ion Ratio Lower Upper
56 100
55 165.5 55.9 83.9#

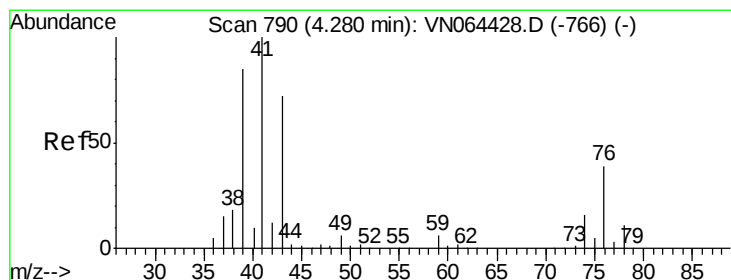
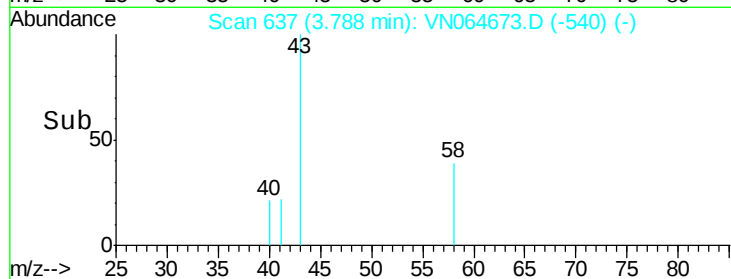
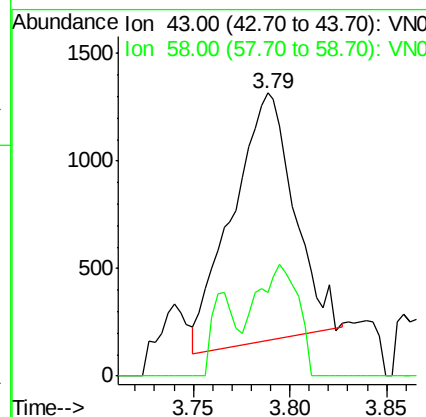
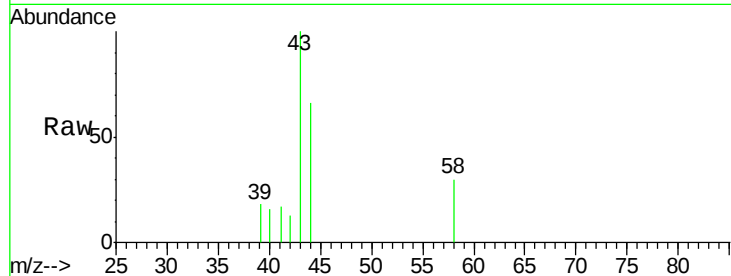




#16
 Acetone
 Concen: 1.770 ug/l
 RT: 3.79 min Scan# 637
 Delta R.T. 0.01 min
 Lab File: VN064673.D
 Acq: 17 Nov 2020 11:59

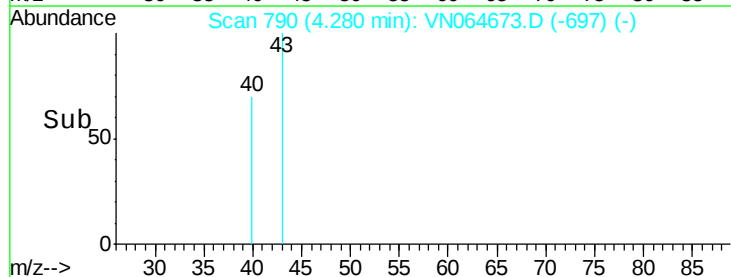
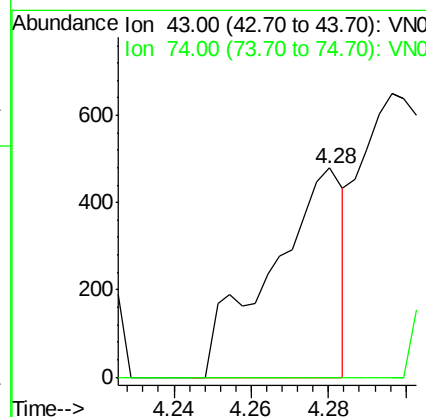
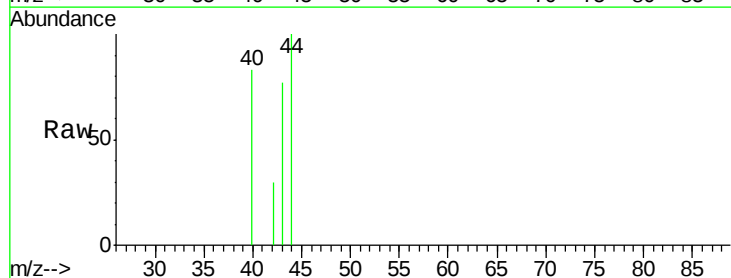
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117WBL01

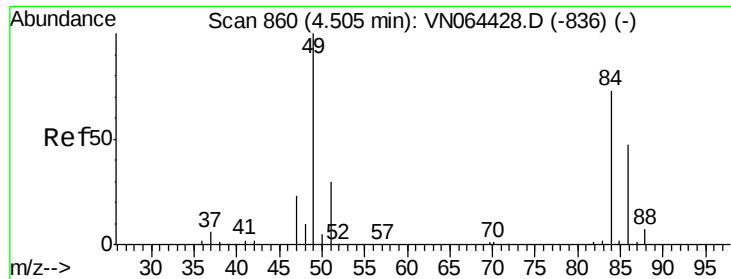
Tot Ion: 43 Resp: 2551
 Ion Ratio Lower Upper
 43 100
 58 35.8 21.4 32.0#



#18
 Methyl Acetate
 Concen: 0.220 ug/l
 RT: 4.28 min Scan# 790
 Delta R.T. 0.00 min
 Lab File: VN064673.D
 Acq: 17 Nov 2020 11:59

Tgt Ion: 43 Resp: 622
 Ion Ratio Lower Upper
 43 100
 74 0.0 17.0 25.4#

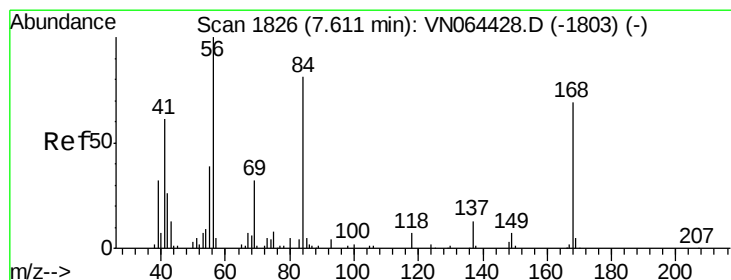
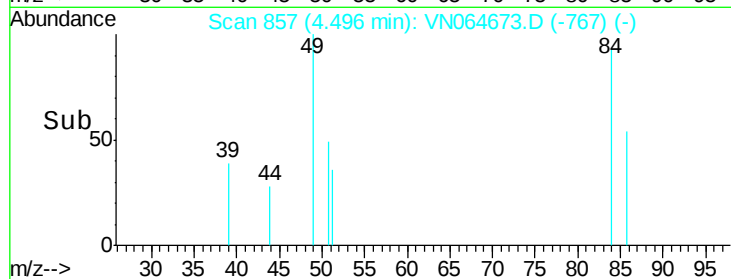
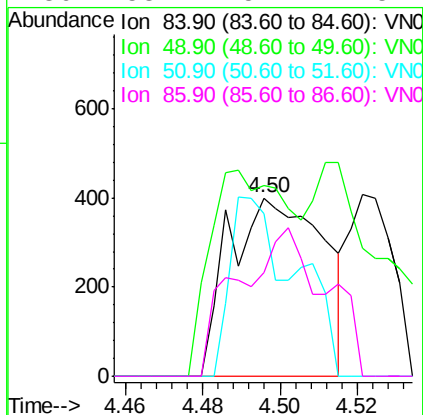
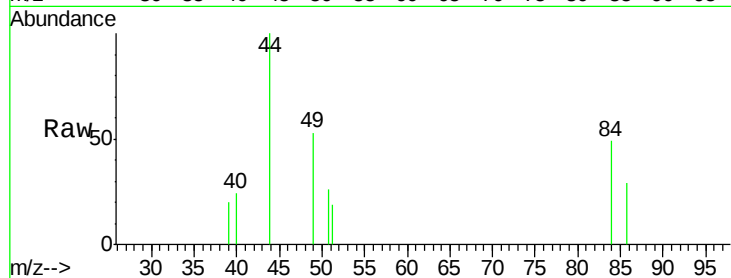




#20
Methvlene Chloride
Concen: 0.237 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.01 min
Lab File: VN064673.D
Acq: 17 Nov 2020 11:59

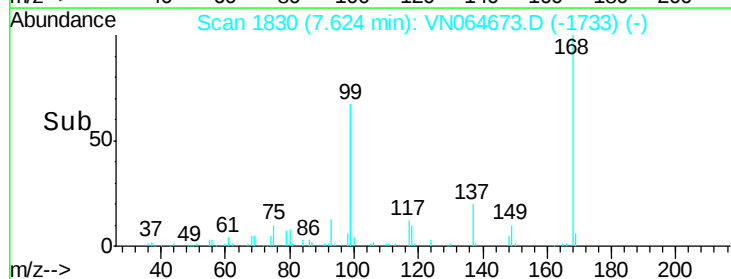
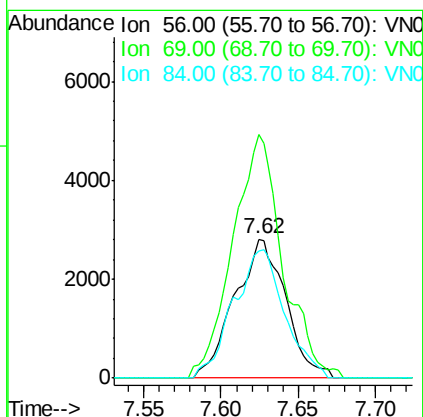
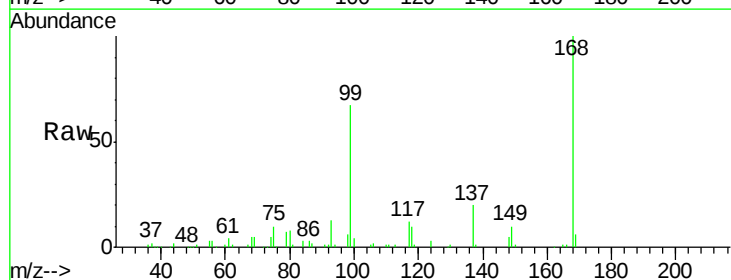
Instrument :
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ClientSampleId :
VN1117WBL01

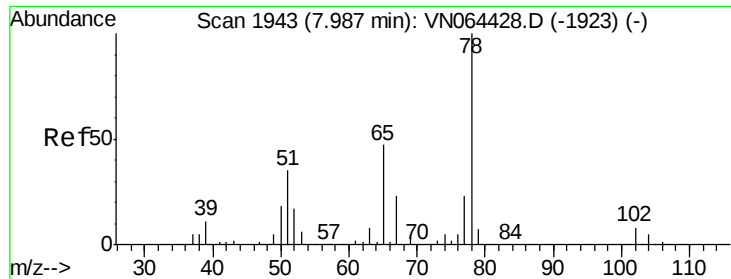
Tot Ion: 84 Resp: 679
Ion Ratio Lower Upper
84 100
49 107.3 110.1 165.1#
51 91.2 33.6 50.4#
86 58.4 52.1 78.1



#31
Cyclohexane
Concen: 1.398 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064673.D
Acq: 17 Nov 2020 11:59

Tgt Ion: 56 Resp: 6429
Ion Ratio Lower Upper
56 100
69 175.1 25.6 38.4#
84 91.0 63.0 94.6

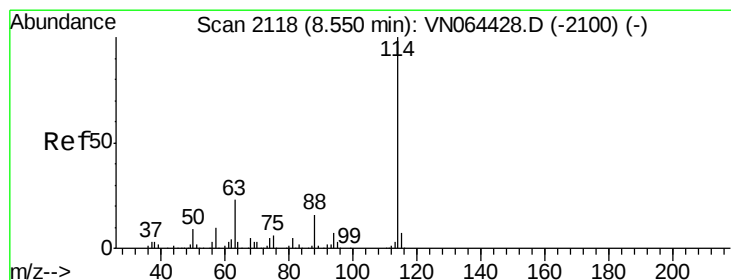
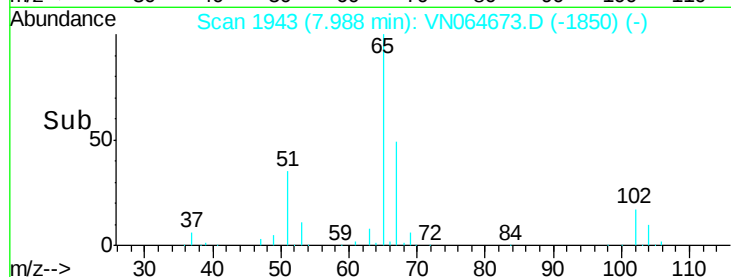
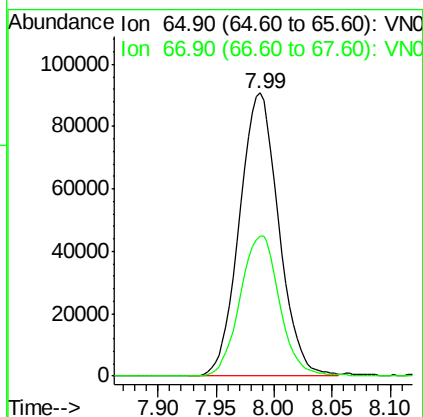
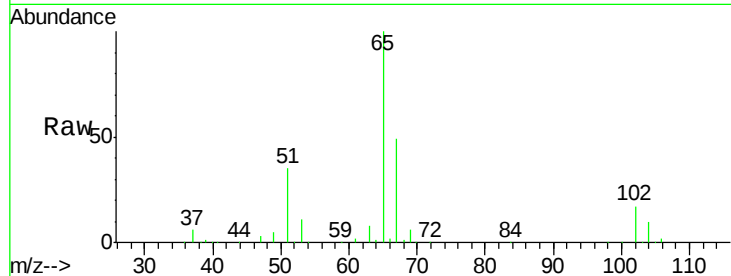




#33
 1,2-Dichloroethane-d4
 Concen: 56.704 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064673.D
 Acq: 17 Nov 2020 11:59

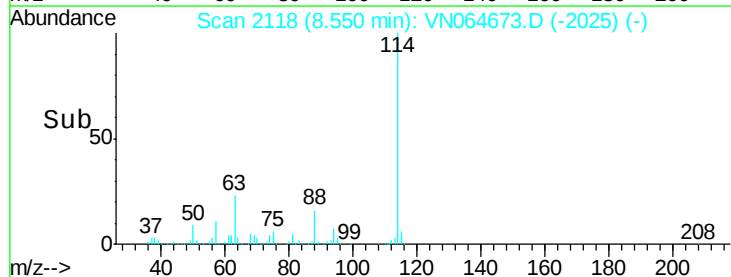
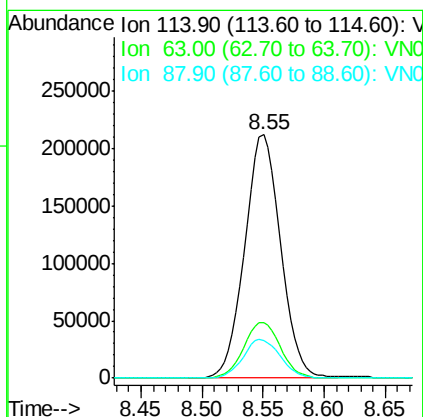
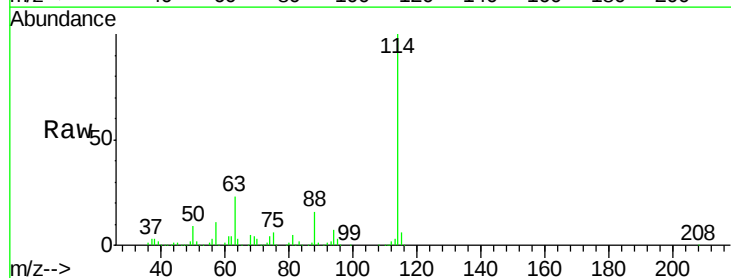
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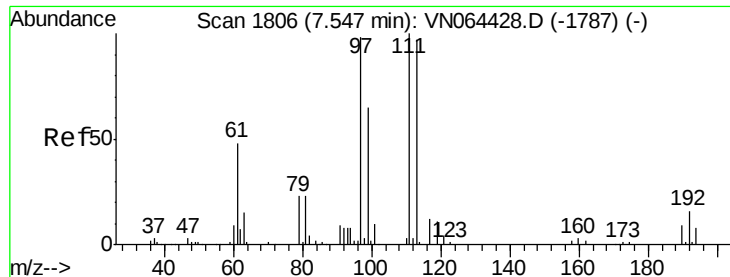
Tot Ion: 65 Resp: 214519
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064673.D
 Acq: 17 Nov 2020 11:59

Tgt Ion: 114 Resp: 431943
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.6
 88 15.5 0.0 32.8

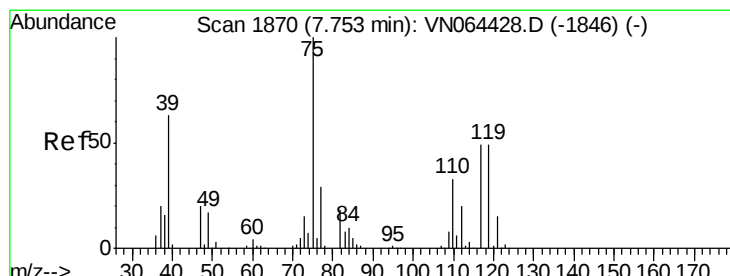
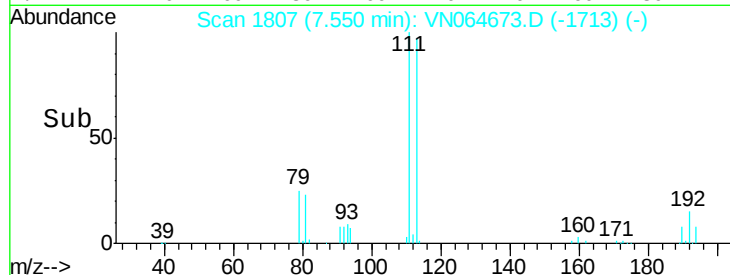
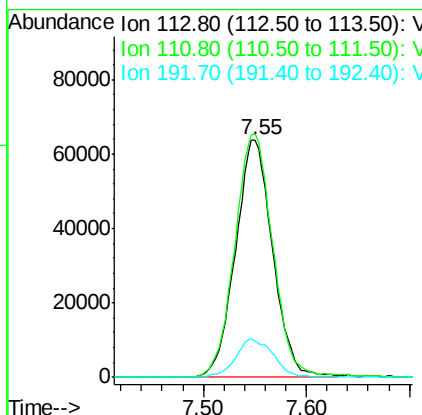
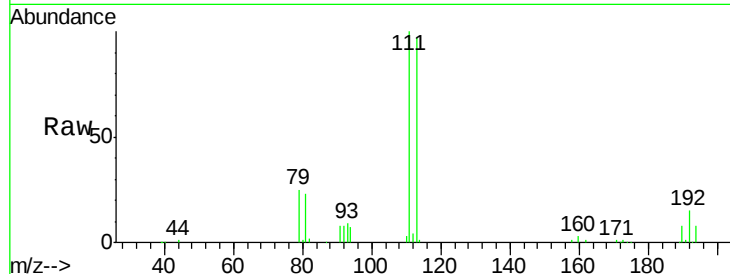




#35
 Dibromofluoromethane
 Concen: 54.200 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064673.D
 Acq: 17 Nov 2020 11:59

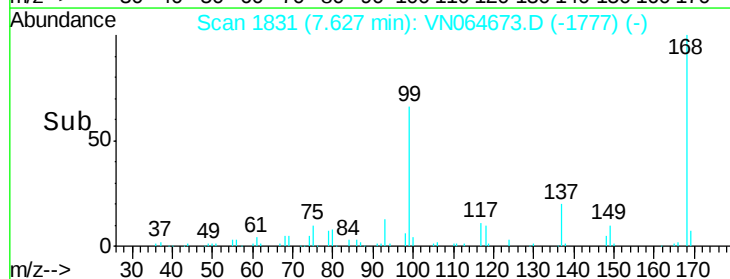
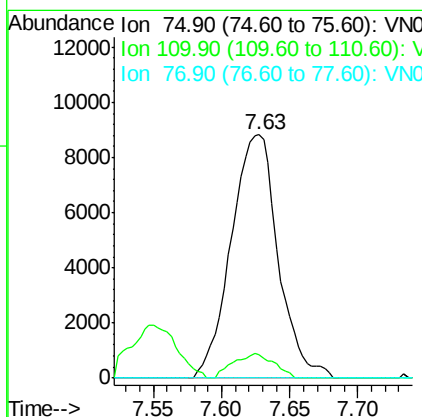
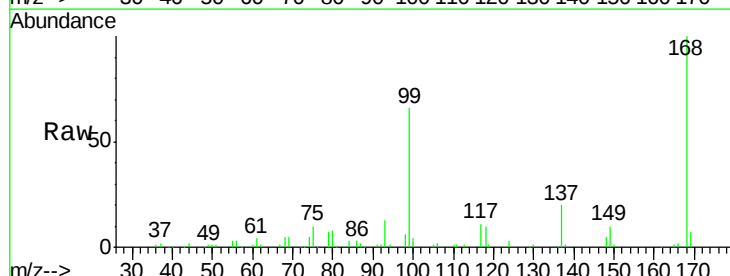
Instrument :
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Tot Ion:113 Resp: 159399
 Ion Ratio Lower Upper
 113 100
 111 104.5 81.1 121.7
 192 16.4 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.637 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064673.D
 Acq: 17 Nov 2020 11:59

Tgt Ion: 75 Resp: 21160
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.0 48.0#
 77 0.0 24.0 36.0#

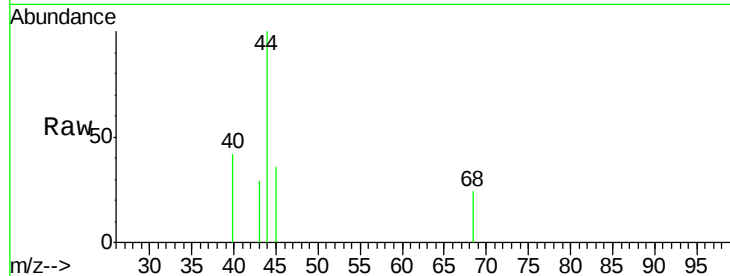




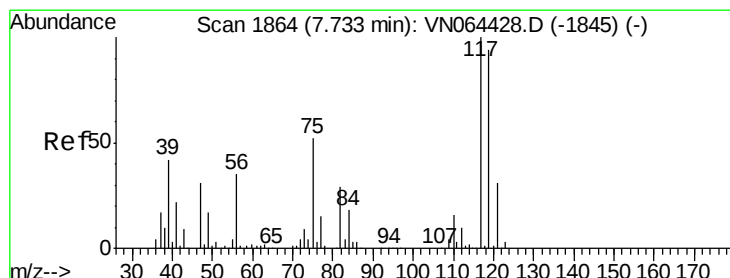
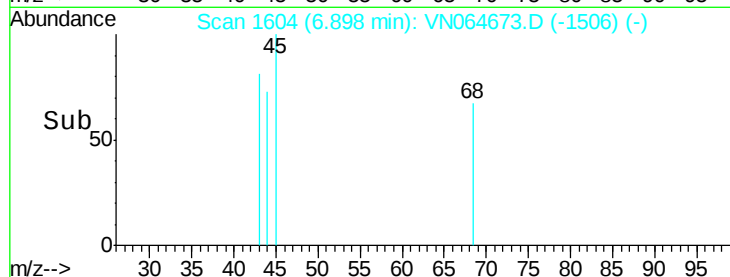
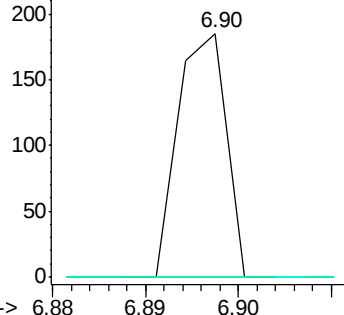
#37
Ethyl Acetate
Concen: 0.777 ug/l
RT: 6.90 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VN064673.D
Acq: 17 Nov 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBL01

Tot Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 0.0 7.1 10.7#

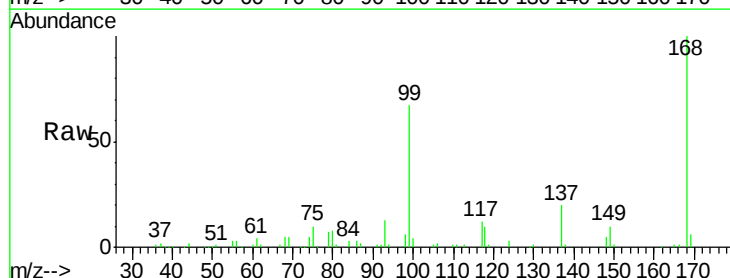


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

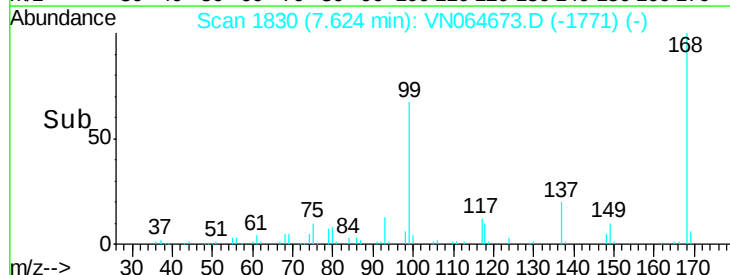
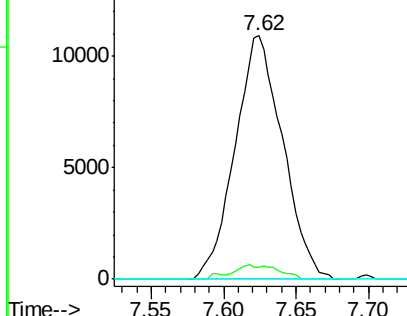


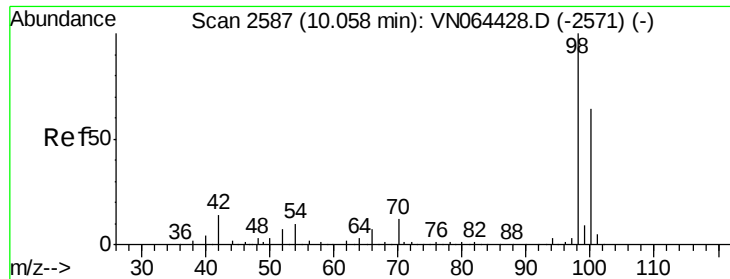
#38
Carbon Tetrachloride
Concen: 5.118 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.11 min
Lab File: VN064673.D
Acq: 17 Nov 2020 11:59

Tgt Ion: 117 Resp: 24961
Ion Ratio Lower Upper
117 100
119 4.9 75.5 113.3#
121 0.0 24.4 36.6#



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





#50

Toluene-d8

Concen: 50.607 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064673.D

Acq: 17 Nov 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

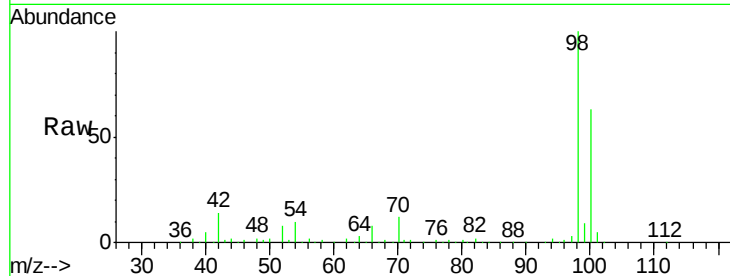
VN1117WBL01

Tot Ion: 98 Resp: 575234

Ion Ratio Lower Upper

98 100

100 62.5 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN064428.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064428.D (-2571) (-)

10.06

300000

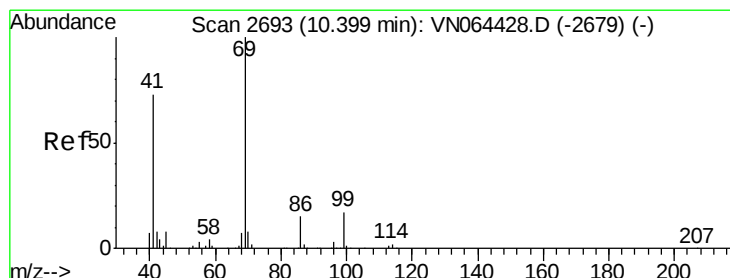
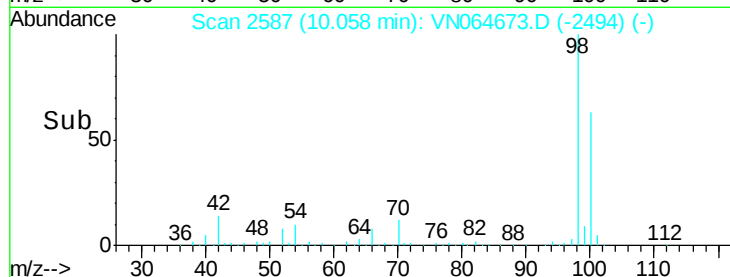
200000

100000

0

Time-->

10.00 10.10 10.20



#56

Ethyl methacrylate

Concen: 1.847 ug/l

RT: 10.62 min Scan# 2763

Delta R.T. 0.23 min

Lab File: VN064673.D

Acq: 17 Nov 2020 11:59

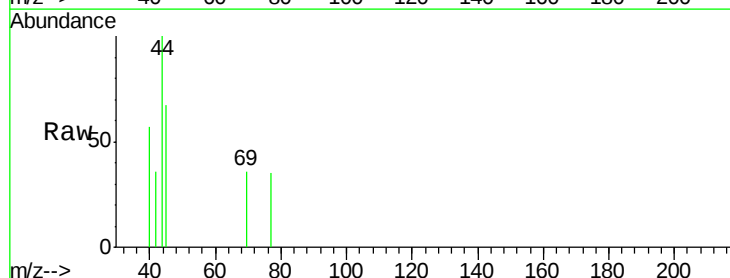
Tgt Ion: 69 Resp: 30

Ion Ratio Lower Upper

69 100

41 0.0 59.3 88.9#

39 0.0 35.4 53.0#



Abundance Ion 69.00 (68.70 to 69.70): VN064428.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN064428.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN064428.D (-2679) (-)

250

200

150

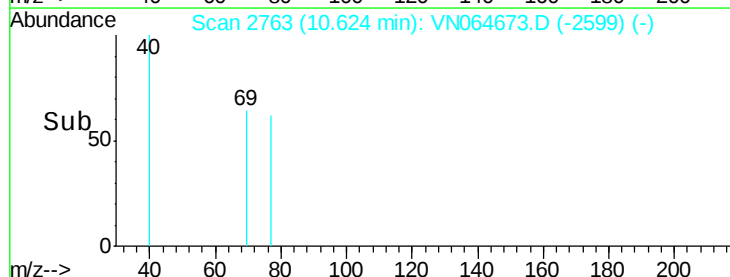
100

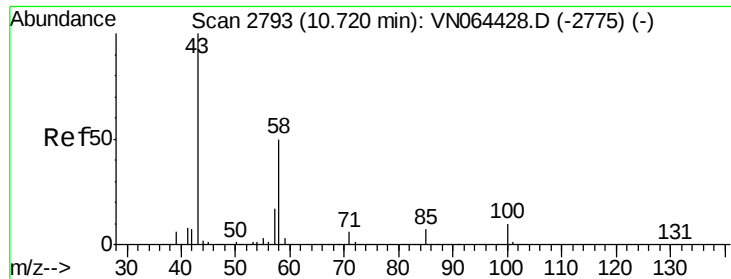
50

0

Time-->

10.62 10.63

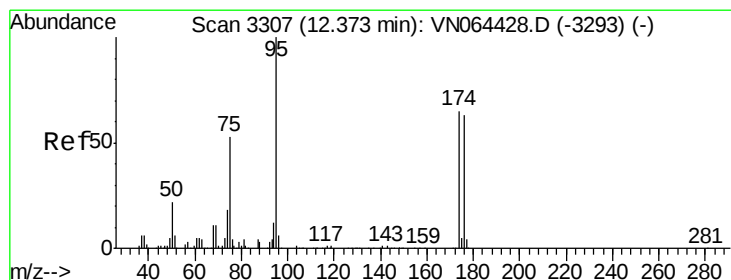
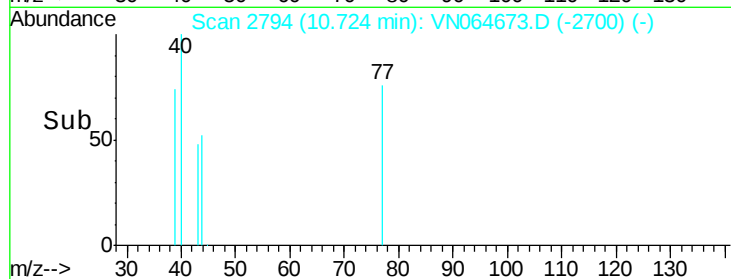
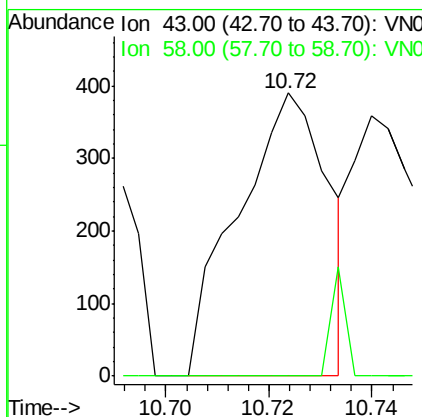
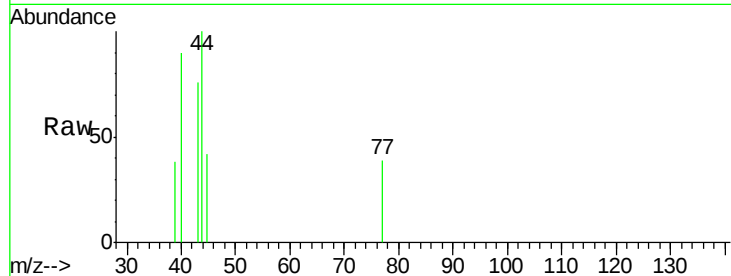




#59
2-Hexanone
Concen: 4.160 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064673.D
Acq: 17 Nov 2020 11:59

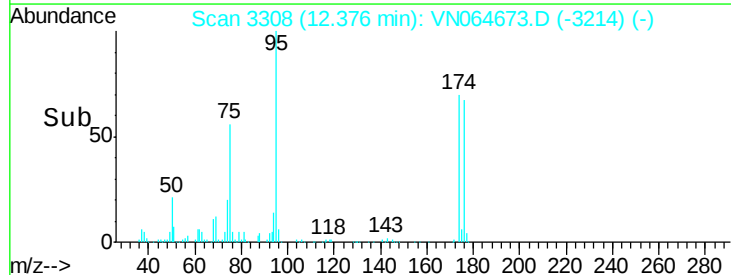
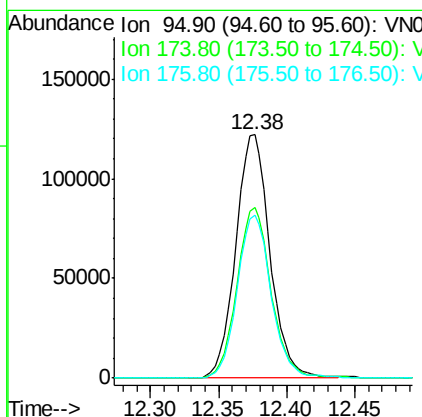
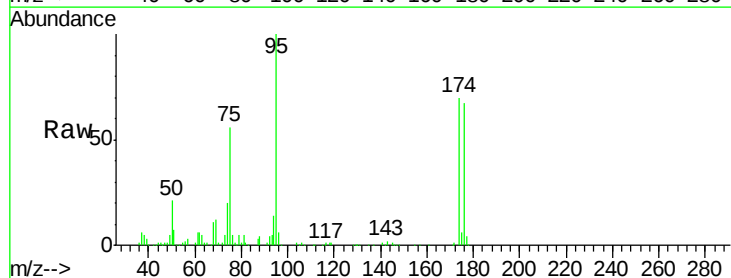
Instrument :
MSVOA_N
ClientSampleId :
VN1117WBL01

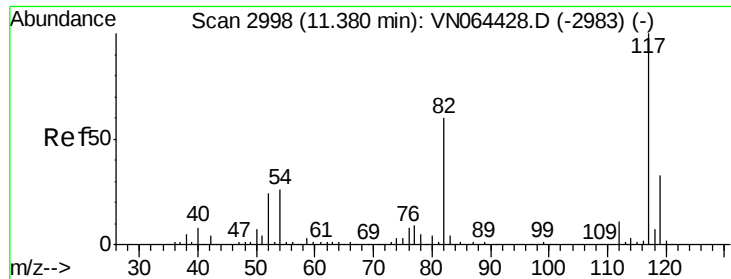
Tot Ion: 43 Resp: 471
Ion Ratio Lower Upper
43 100
58 0.0 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 49.503 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064673.D
Acq: 17 Nov 2020 11:59

Tgt Ion: 95 Resp: 212802
Ion Ratio Lower Upper
95 100
174 70.1 0.0 132.6
176 66.6 0.0 129.2

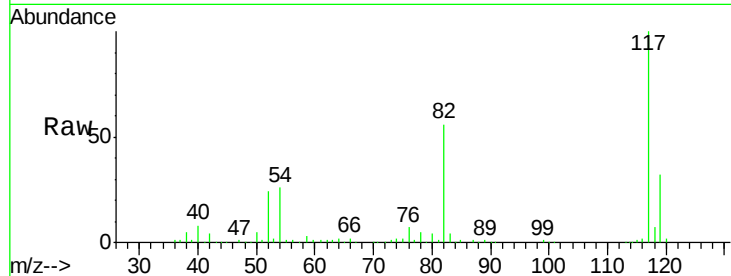




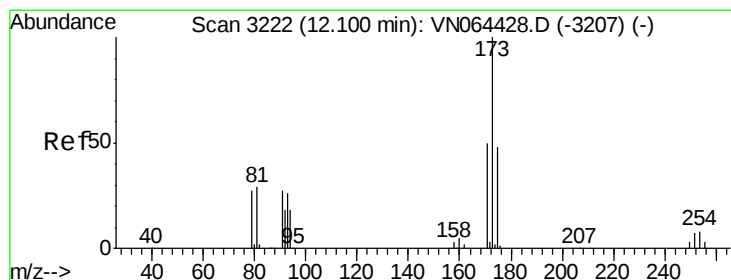
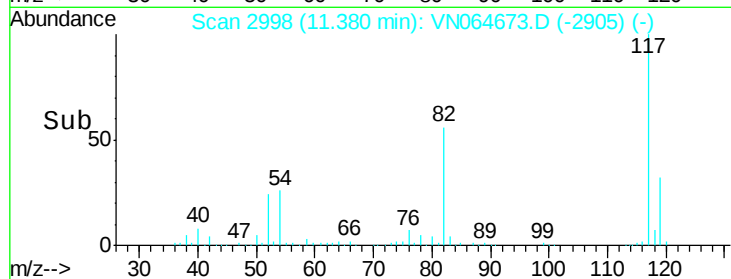
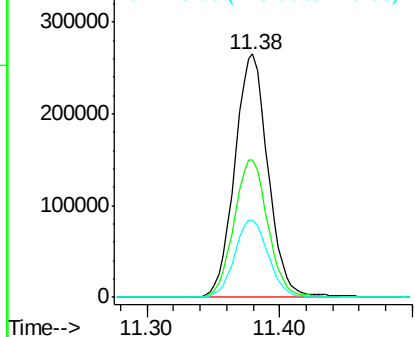
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064673.D
Acq: 17 Nov 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBL01

Tot Ion:117 Resp: 462461
Ion Ratio Lower Upper
117 100
82 56.4 48.1 72.1
119 31.8 26.2 39.4

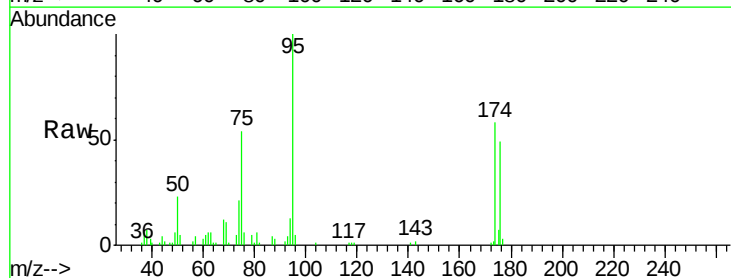


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

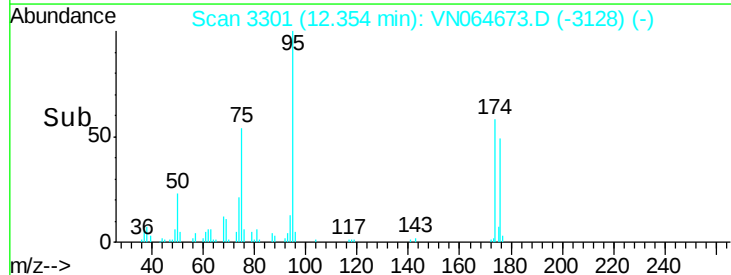
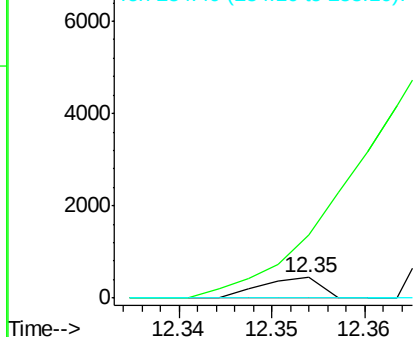


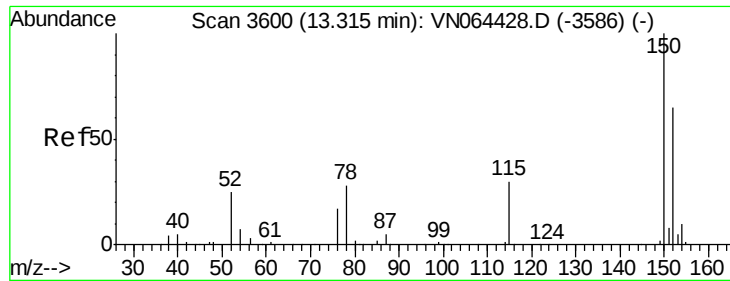
#71
Bromoform
Concen: 1.343 ug/l
RT: 12.35 min Scan# 3301
Delta R.T. 0.25 min
Lab File: VN064673.D
Acq: 17 Nov 2020 11:59

Tgt Ion:173 Resp: 197
Ion Ratio Lower Upper
173 100
175 0.0 23.7 71.1#
254 0.0 0.0 0.0



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: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064673.D

Acq: 17 Nov 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VN1117WBL01

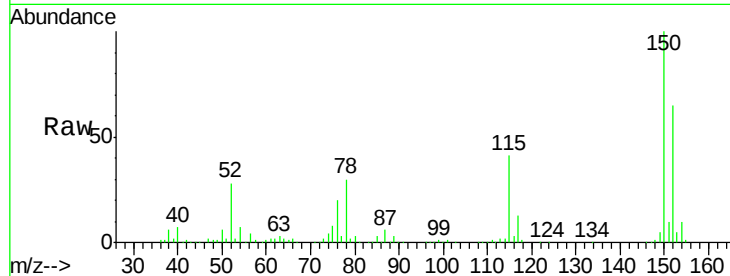
Tot Ion:152 Resp: 168116

Ion Ratio Lower Upper

152 100

115 64.7 32.0 96.0

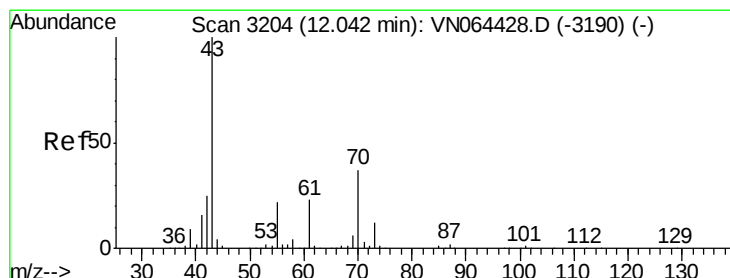
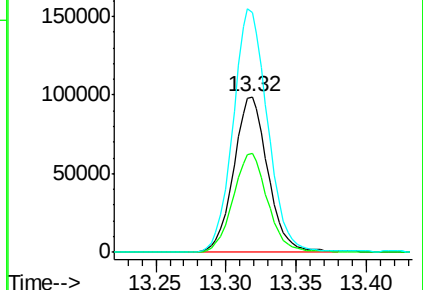
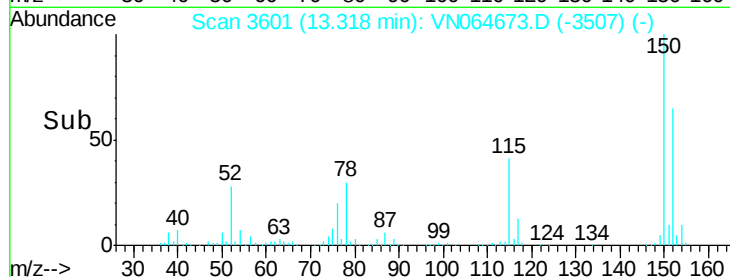
150 157.7 0.0 353.8



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



#74

N-ethyl acetate

Concen: 1.233 ug/l

RT: 12.06 min Scan# 3209

Delta R.T. 0.02 min

Lab File: VN064673.D

Acq: 17 Nov 2020 11:59

Tgt Ion: 43 Resp: 122

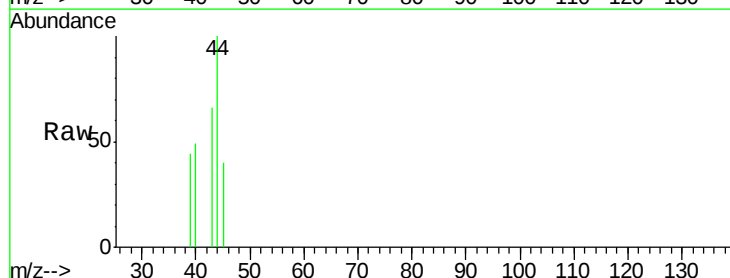
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 18.4 27.6#

61 0.0 17.8 26.6#

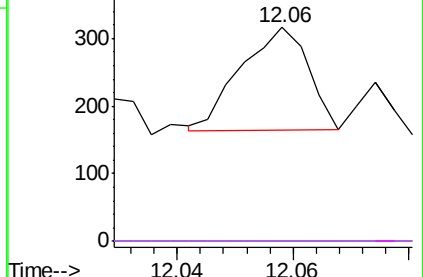
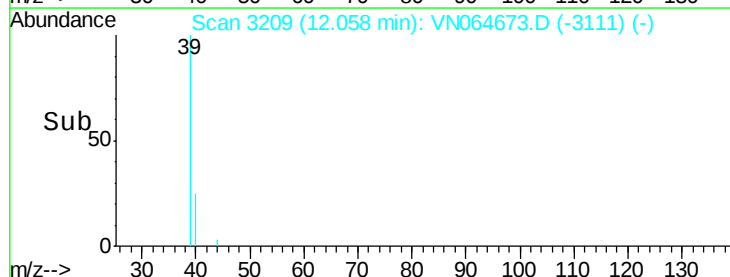


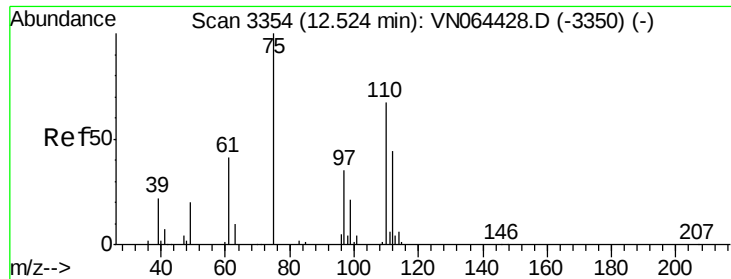
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 29.364 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064673.D

Acq: 17 Nov 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

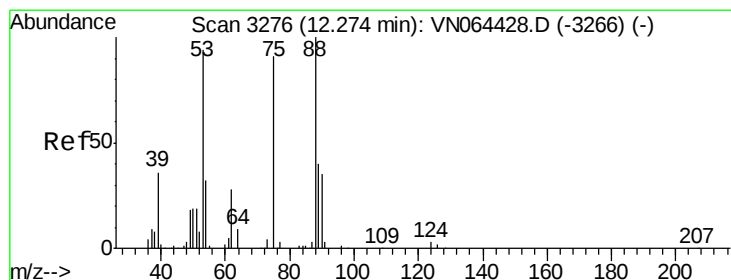
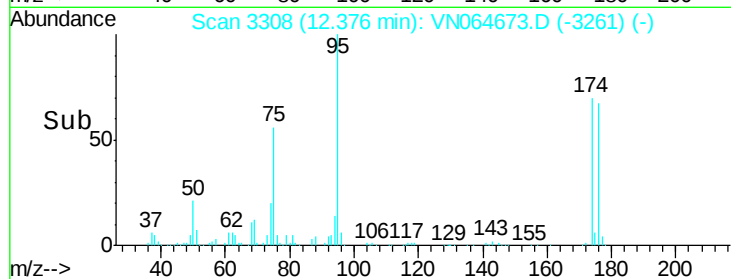
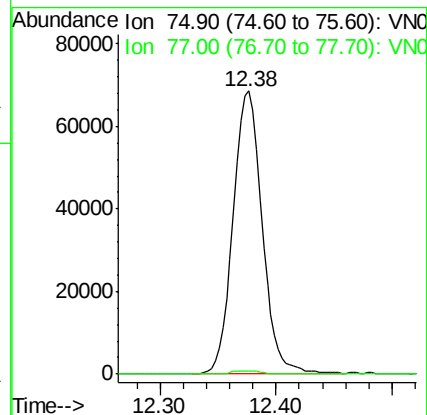
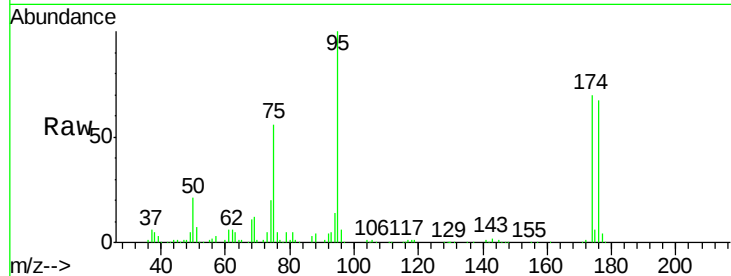
VN1117WBL01

Tot Ion: 75 Resp: 119608

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.987 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064673.D

Acq: 17 Nov 2020 11:59

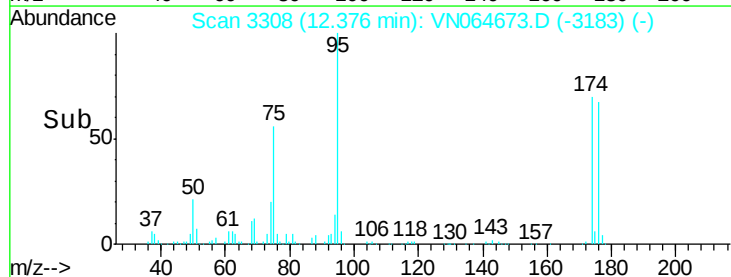
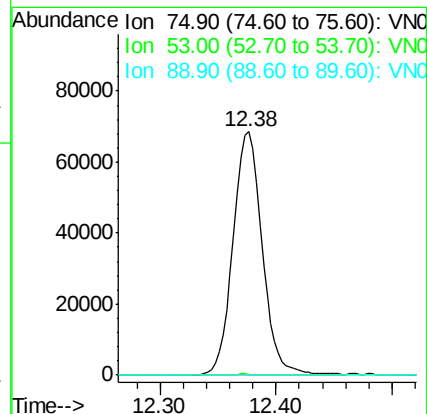
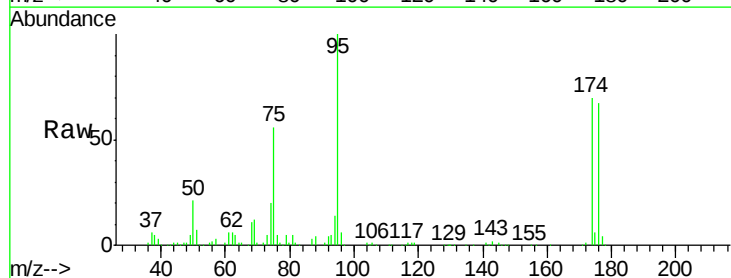
Tgt Ion: 75 Resp: 119608

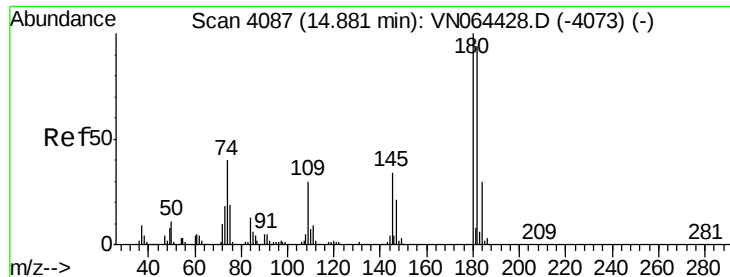
Ion Ratio Lower Upper

75 100

53 0.3 84.0 126.0#

89 0.0 36.3 54.5#

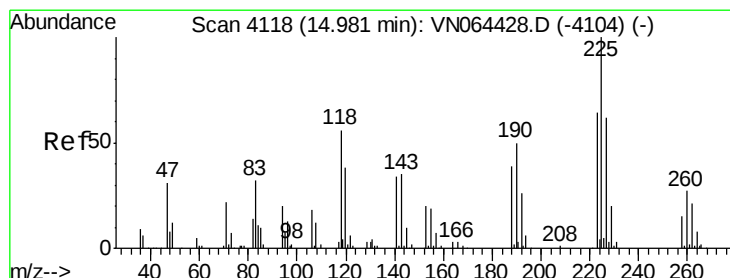
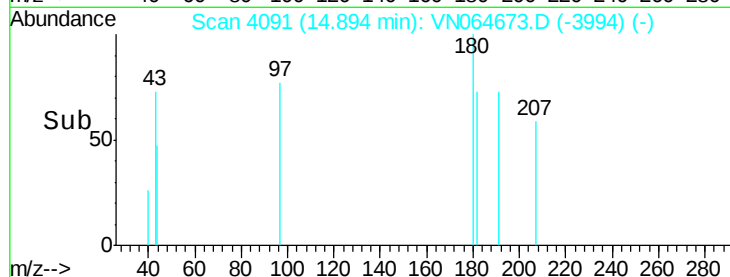
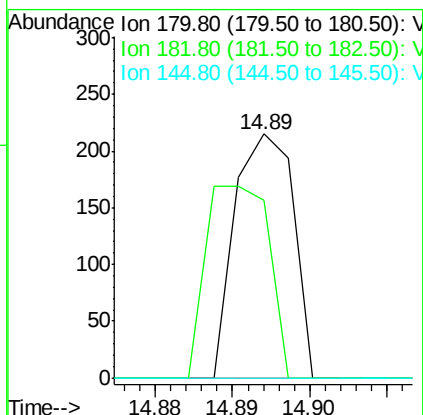
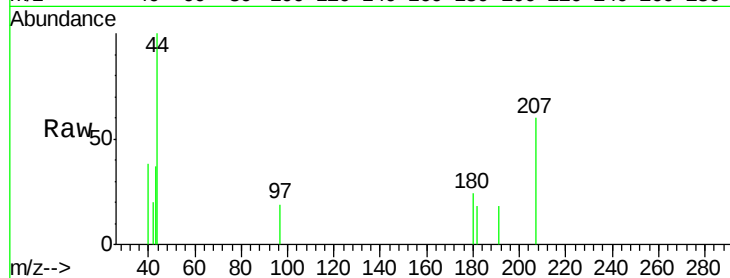




#93
 1,2,4-Trichlorobenzene
 Concen: 2.704 ug/l
 RT: 14.89 min Scan# 4091
 Delta R.T. 0.01 min
 Lab File: VN064673.D
 Acq: 17 Nov 2020 11:59

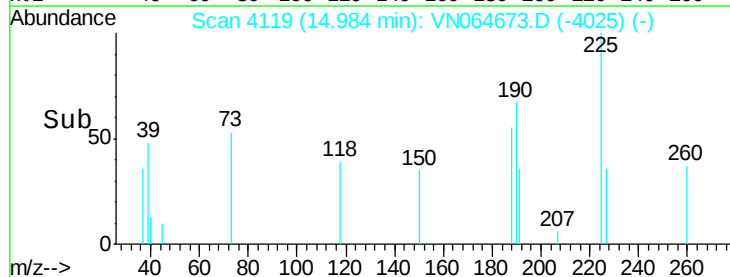
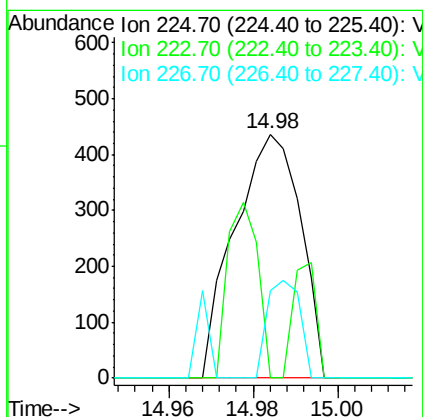
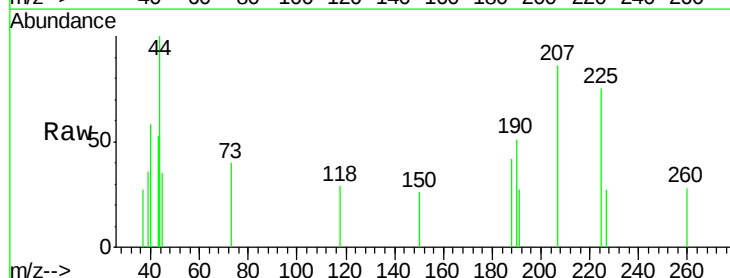
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117WBL01

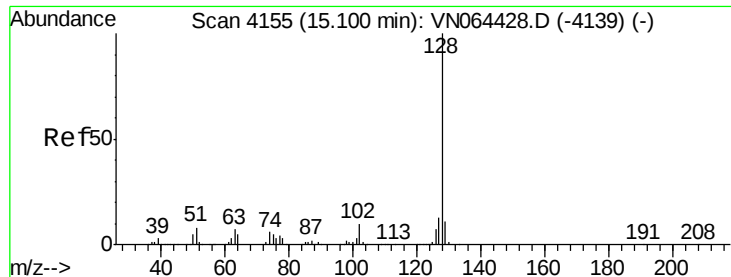
Tot Ion:180 Resp: 113
 Ion Ratio Lower Upper
 180 100
 182 85.0 47.3 142.0
 145 0.0 16.7 50.1#



#94
 Hexachlorobutadiene
 Concen: 0.429 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064673.D
 Acq: 17 Nov 2020 11:59

Tgt Ion:225 Resp: 474
 Ion Ratio Lower Upper
 225 100
 223 16.2 31.8 95.4#
 227 19.8 31.8 95.4#





#95

Naphthalene

Concen: 3.669 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN064673.D

Acq: 17 Nov 2020 11:59

Instrument :

MSVOA_N

ClientSampled :

VN1117WBL01

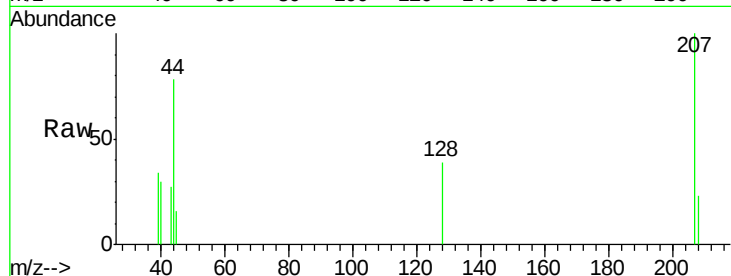
Tot Ion:128 Resp: 459

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

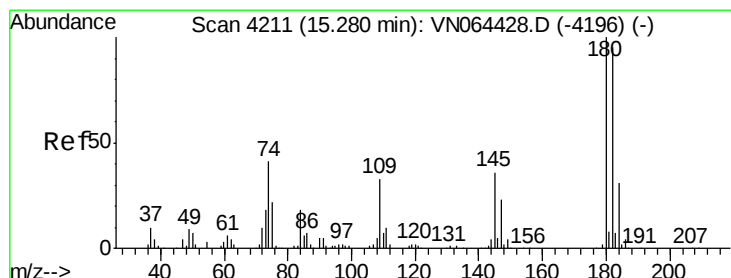
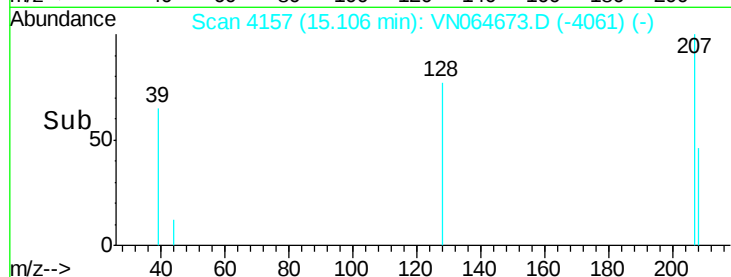
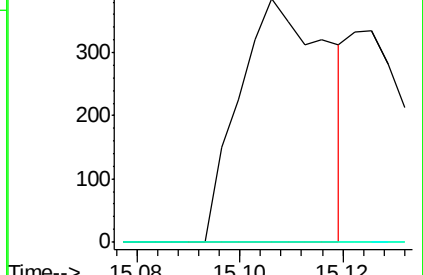
129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.838 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN064673.D

Acq: 17 Nov 2020 11:59

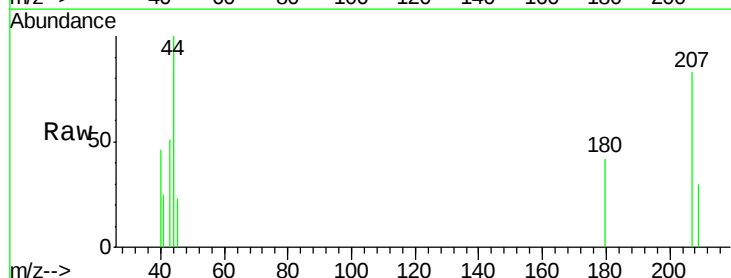
Tgt Ion:180 Resp: 173

Ion Ratio Lower Upper

180 100

182 19.1 47.7 143.1#

145 0.0 18.3 54.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

