

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061022\
 Data File : VN072773.D
 Acq On : 10 Jun 2022 18:36
 Operator : JC\MD
 Sample : N3293-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 40806

Quant Time: Jun 11 01:56:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 05:17:31 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

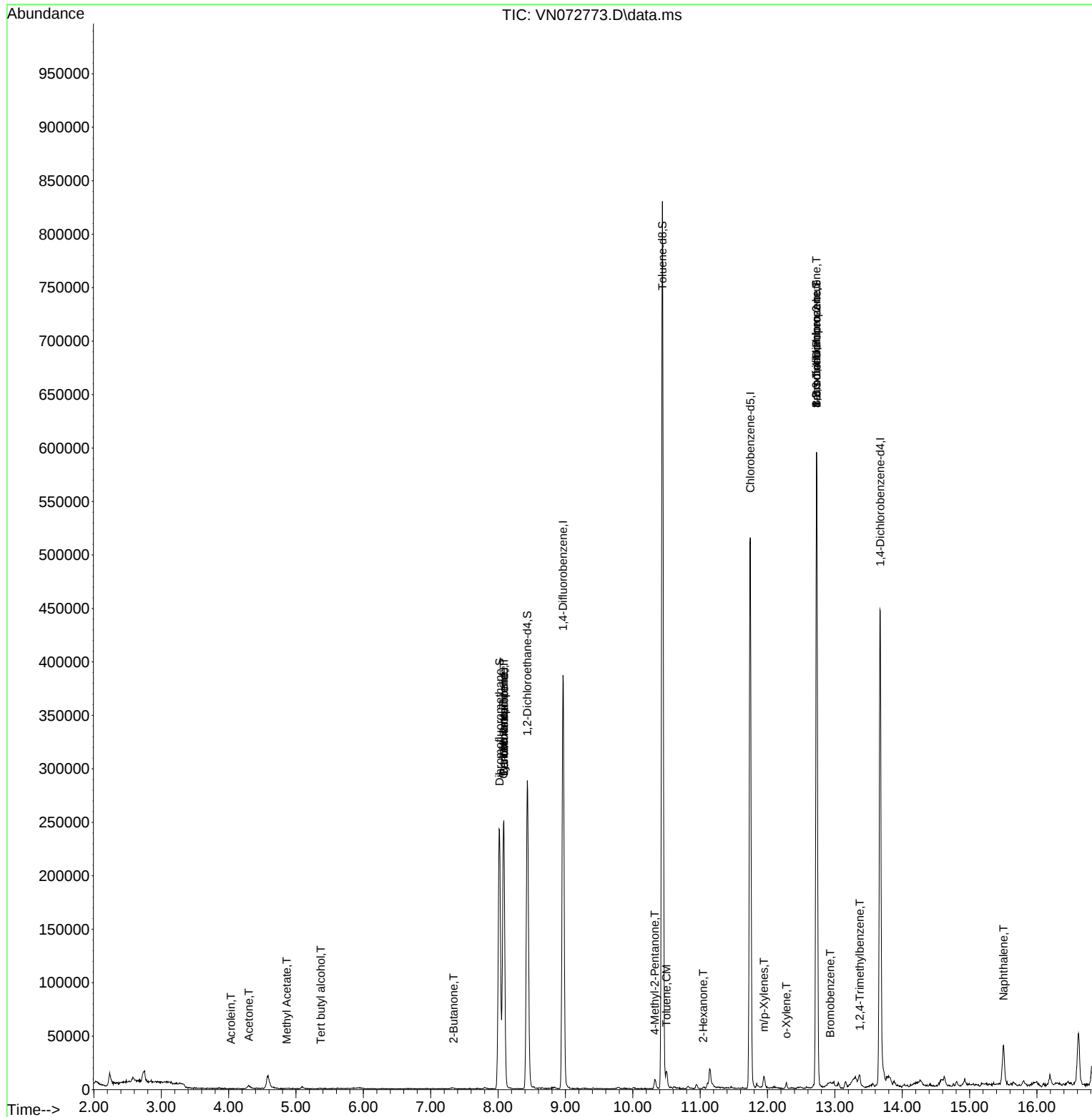
Internal Standards						
1) Pentafluorobenzene	8.086	168	167168	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	316412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	269492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	107575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	241908	53.917	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 107.840%	
35) Dibromofluoromethane	8.022	113	175747	56.134	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 112.260%	
50) Toluene-d8	10.439	98	537877	43.060	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 86.120%	
62) 4-Bromofluorobenzene	12.727	95	203114	47.386	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 94.780%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	455	Below Cal	#	43
5) Bromomethane	2.875	94	187	Below Cal	#	43
6) Chloroethane	2.987	64	564	Below Cal	#	85
11) Tert butyl alcohol	5.369	59	992	0.927	ug/l	# 72
13) Acrolein	4.034	56	249	0.563	ug/l	# 75
16) Acetone	4.298	43	6191	2.880	ug/l	# 82
18) Methyl Acetate	4.863	43	1658	0.296	ug/l	# 48
25) 2-Butanone	7.339	43	1313	0.380	ug/l	# 45
31) Cyclohexane	8.081	56	5722	0.501	ug/l	# 54
36) 1,1-Dichloropropene	8.086	75	17334	3.989	ug/l	# 50
38) Carbon Tetrachloride	8.086	117	20986	4.519	ug/l	# 18
51) 4-Methyl-2-Pentanone	10.327	43	6760	0.987	ug/l	87
52) Toluene	10.498	92	5381	0.654	ug/l	88
59) 2-Hexanone	11.045	43	1521	0.302	ug/l	# 21
68) m/p-Xylenes	11.945	106	3155	0.657	ug/l	93
69) o-Xylene	12.280	106	1208	0.250	ug/l	70
71) Bromoform	12.727	173	1176	0.585	ug/l	# 1
76) 1,2,3-Trichloropropane	12.727	75	122145	35.186	ug/l	# 1
77) Bromobenzene	12.933	156	3361	1.478	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	122145	92.022	ug/l	# 10
84) 1,2,4-Trimethylbenzene	13.368	105	5566	0.636	ug/l	97
95) Naphthalene	15.504	128	33781	4.779	ug/l	97

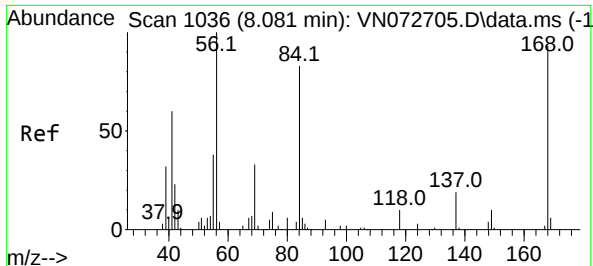
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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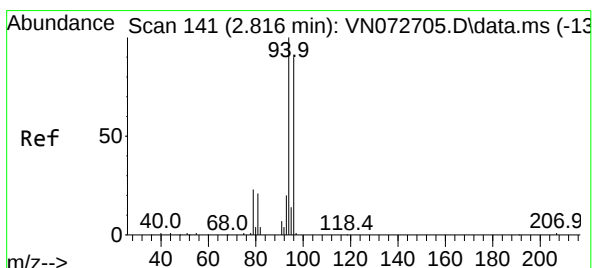
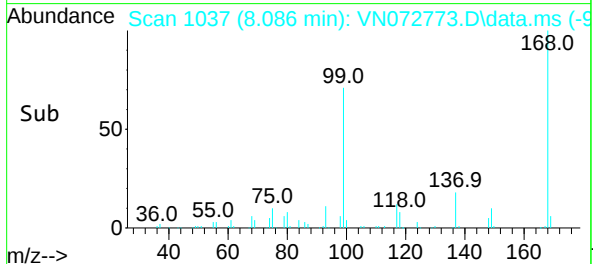
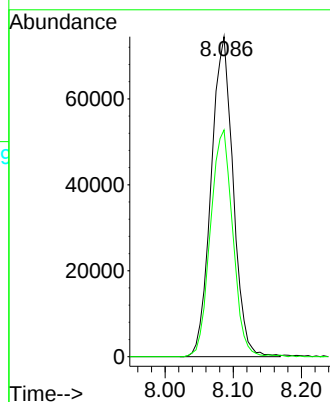
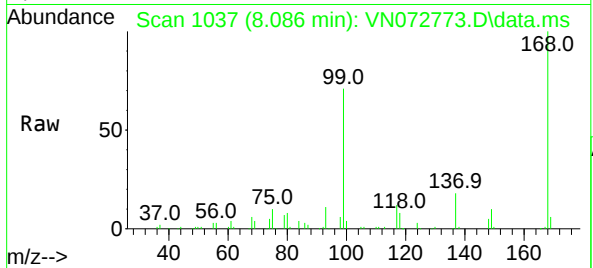




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 1036
Delta R.T. 0.005 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

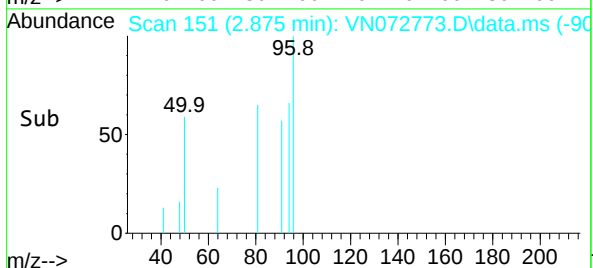
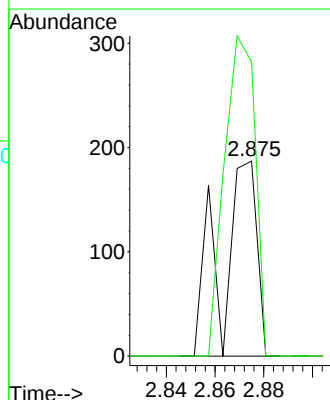
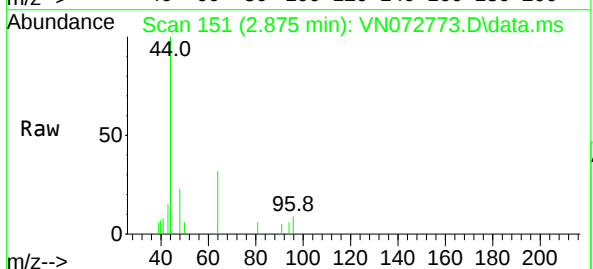
Instrument :
MSVOA_N
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40806

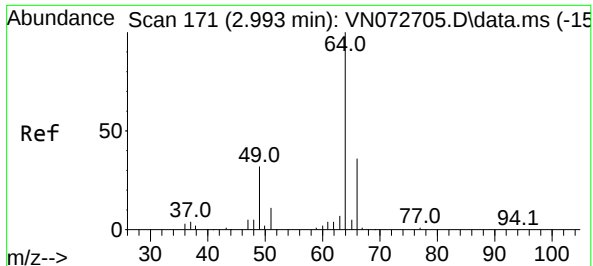
Tgt Ion:168 Resp: 167168
Ion Ratio Lower Upper
168 100
99 70.9 42.3 63.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.875 min Scan# 151
Delta R.T. 0.059 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

Tgt Ion: 94 Resp: 187
Ion Ratio Lower Upper
94 100
96 150.8 76.0 114.0#

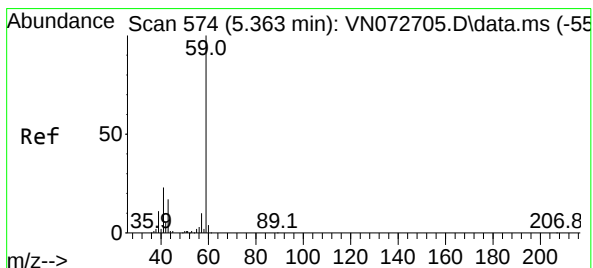
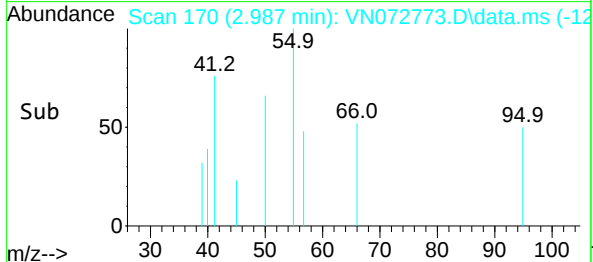
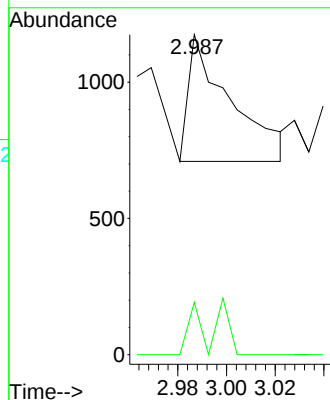
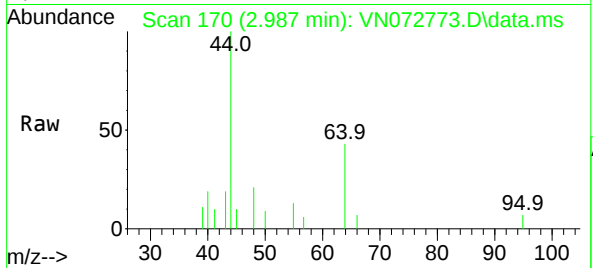




#6
Chloroethane
Concen: Below Cal
RT: 2.987 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

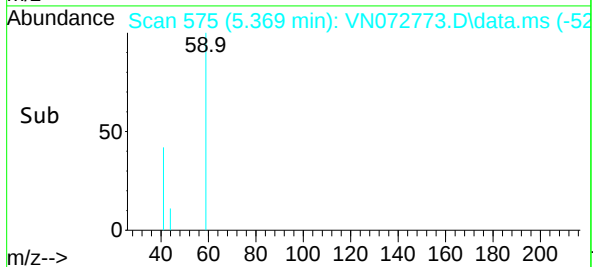
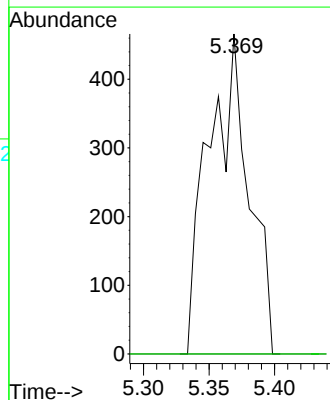
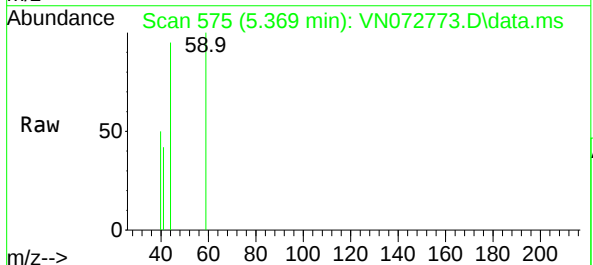
Instrument :
MSVOA_N
ClientSampleId :
40806

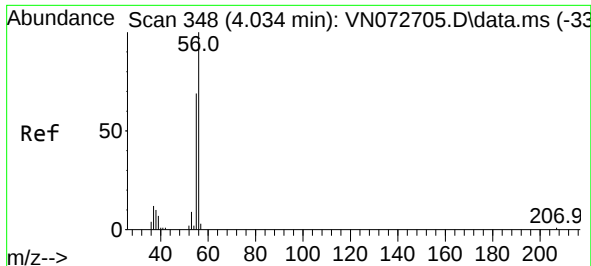
Tgt Ion: 64 Resp: 564
Ion Ratio Lower Upper
64 100
66 41.3 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.927 ug/l
RT: 5.369 min Scan# 575
Delta R.T. 0.006 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

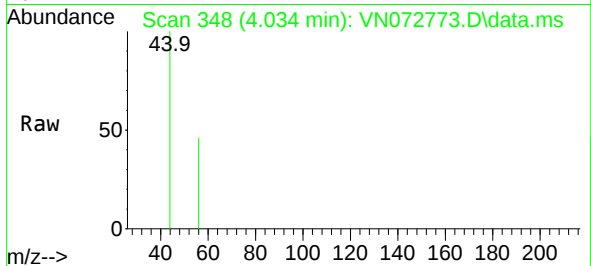
Tgt Ion: 59 Resp: 992
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



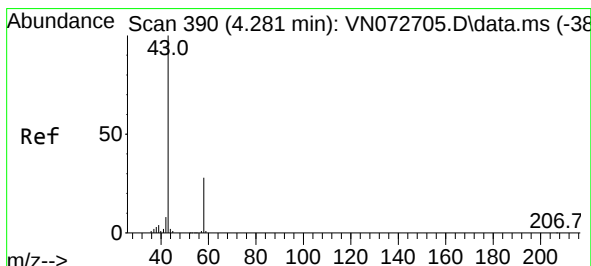
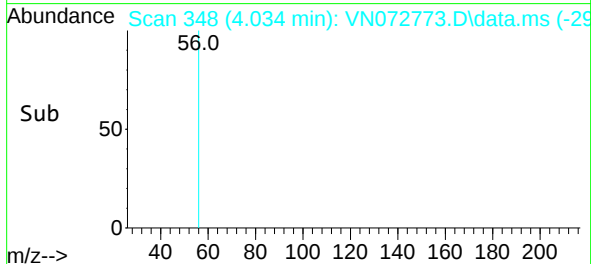
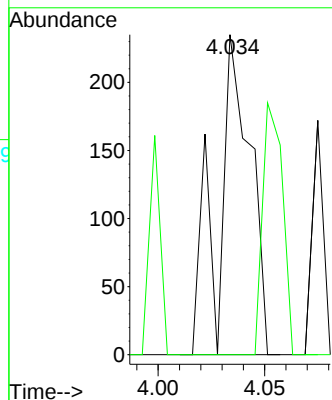


#13
Acrolein
Concen: 0.563 ug/l
RT: 4.034 min Scan# 348
Delta R.T. -0.000 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

Instrument :
MSVOA_N
ClientSampleId :
40806

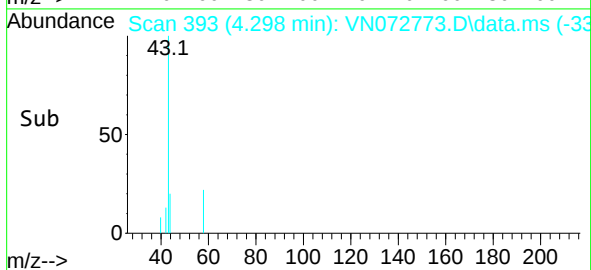
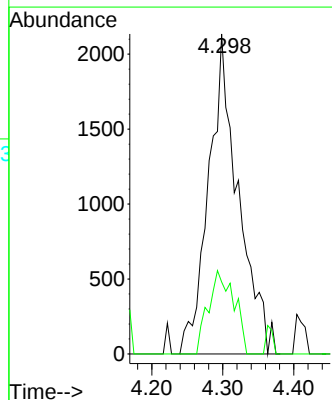
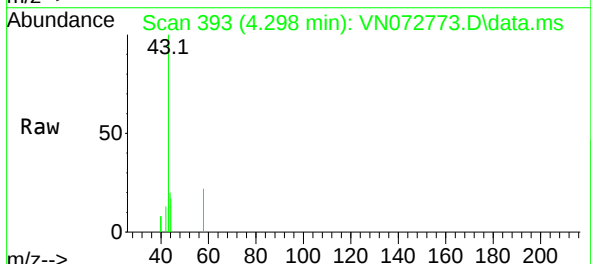


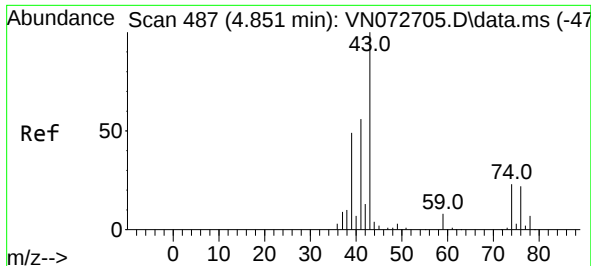
Tgt Ion: 56 Resp: 249
Ion Ratio Lower Upper
56 100
55 48.2 54.8 82.2#



#16
Acetone
Concen: 2.880 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.017 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

Tgt Ion: 43 Resp: 6191
Ion Ratio Lower Upper
43 100
58 22.5 26.0 39.0#

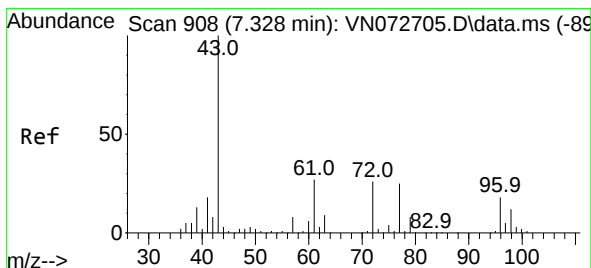
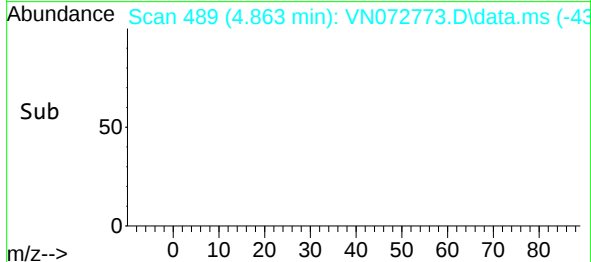
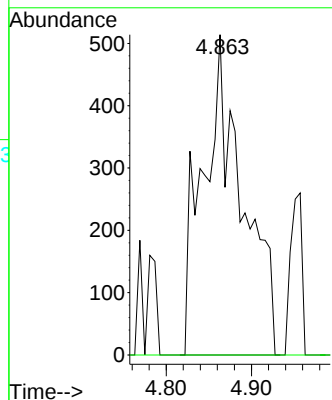
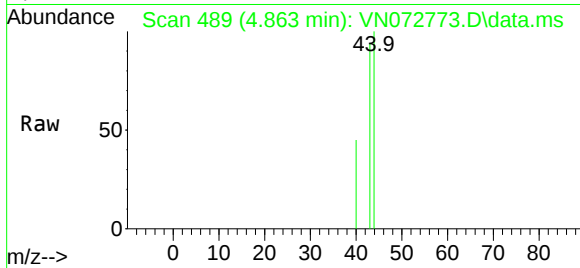




#18
Methyl Acetate
Concen: 0.296 ug/l
RT: 4.863 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

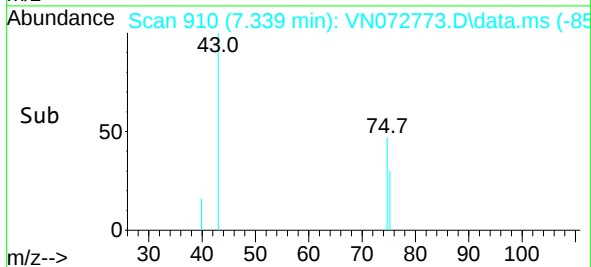
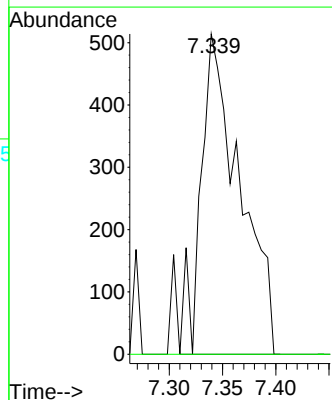
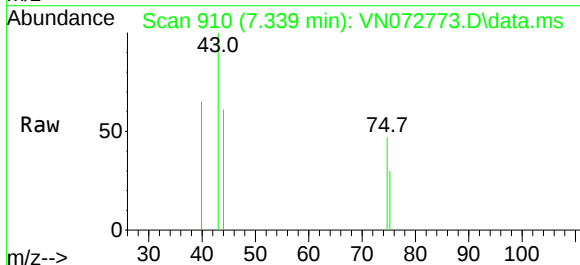
Instrument :
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ClientSampleId :
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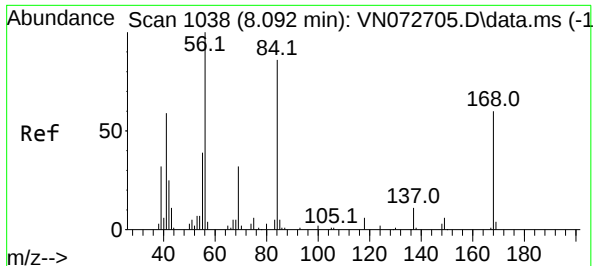
Tgt Ion: 43 Resp: 1658
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#25
2-Butanone
Concen: 0.380 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

Tgt Ion: 43 Resp: 1313
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#

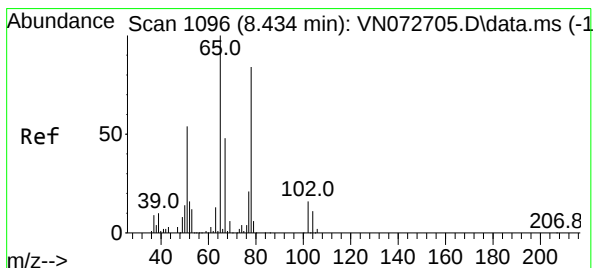
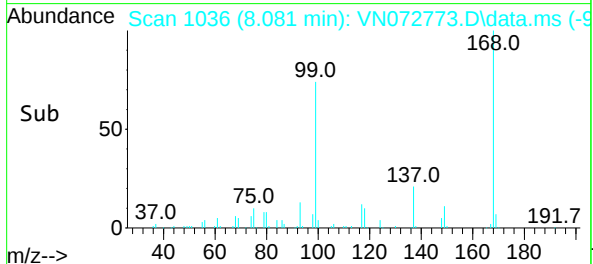
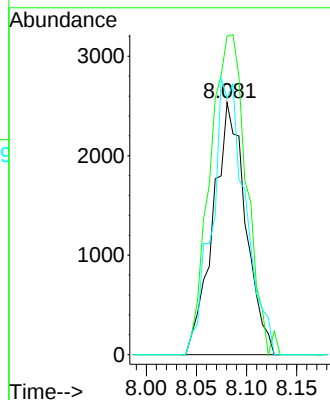
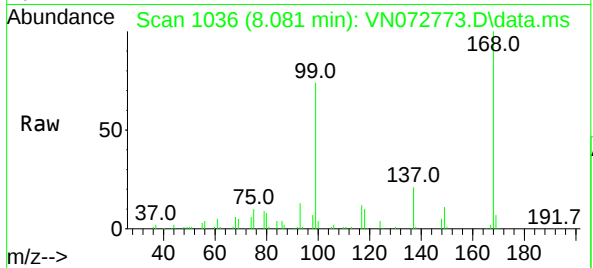




#31
Cyclohexane
Concen: 0.501 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

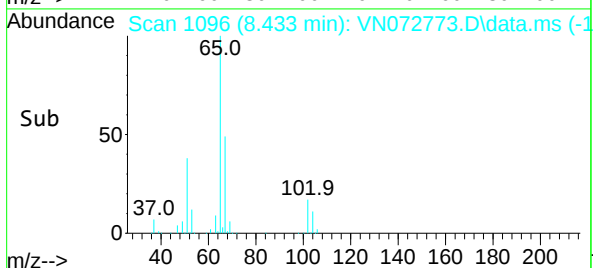
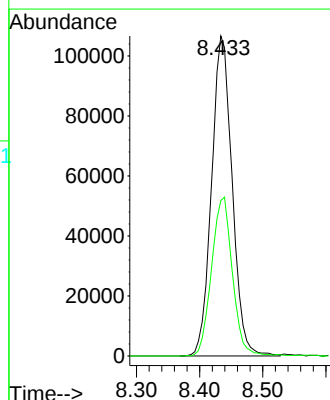
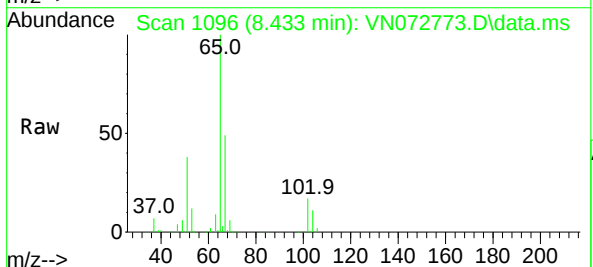
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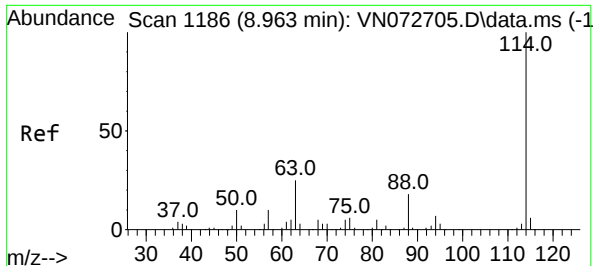
Tgt Ion: 56 Resp: 5722
Ion Ratio Lower Upper
56 100
69 126.3 27.8 41.8#
84 101.8 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 53.917 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

Tgt Ion: 65 Resp: 241908
Ion Ratio Lower Upper
65 100
67 50.2 0.0 104.8

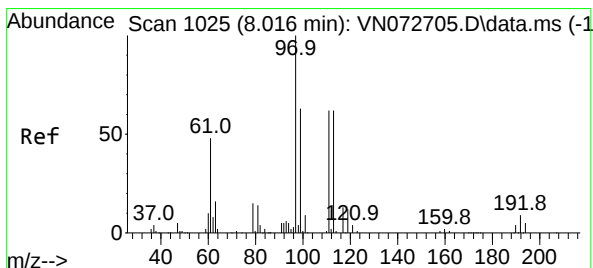
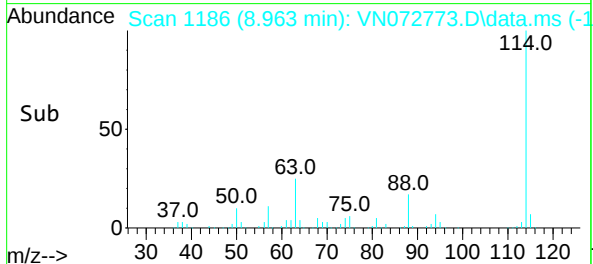
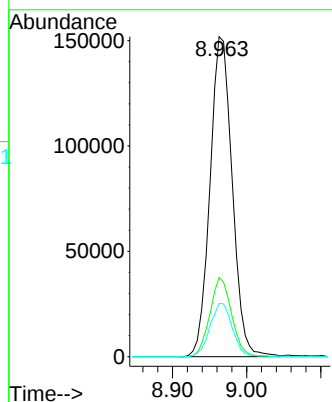
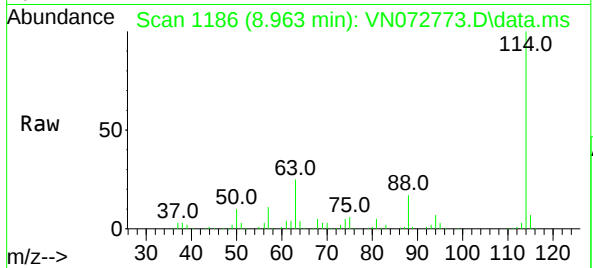




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

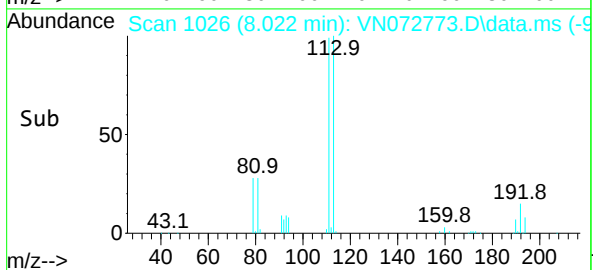
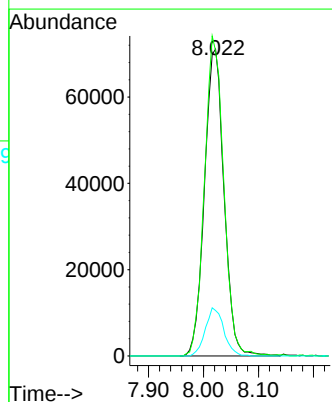
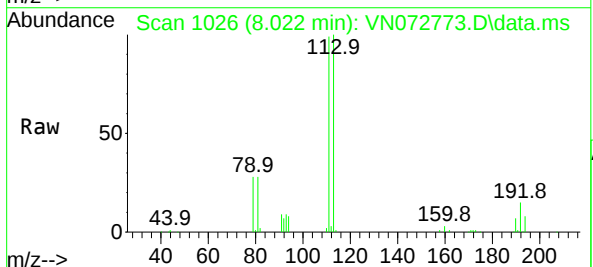
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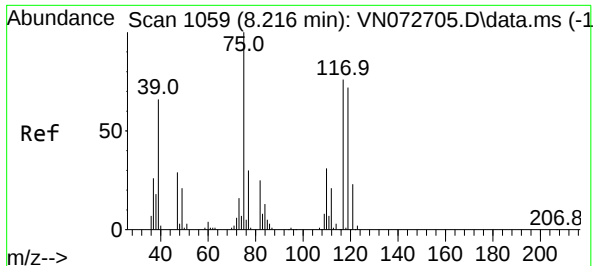
Tgt Ion:114 Resp: 316412
Ion Ratio Lower Upper
114 100
63 24.7 0.0 40.0
88 16.7 0.0 32.6



#35
Dibromofluoromethane
Concen: 56.134 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

Tgt Ion:113 Resp: 175747
Ion Ratio Lower Upper
113 100
111 102.6 81.4 122.0
192 14.9 17.0 25.6#





#36

1,1-Dichloropropene

Concen: 3.989 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN072773.D

Acq: 10 Jun 2022 18:36

Instrument :

MSVOA_N

ClientSampleId :

40806

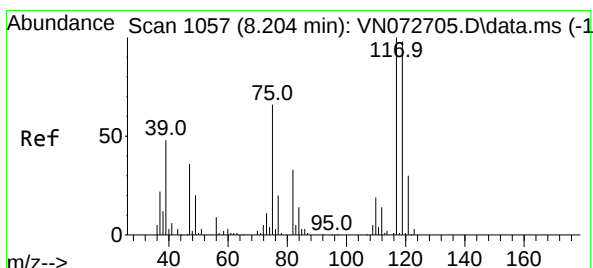
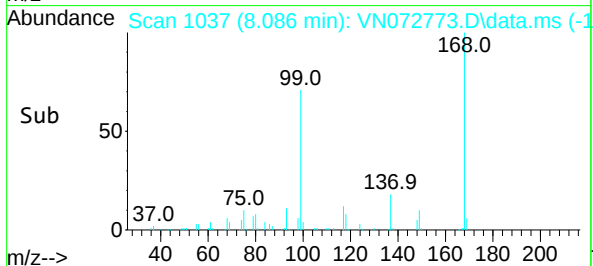
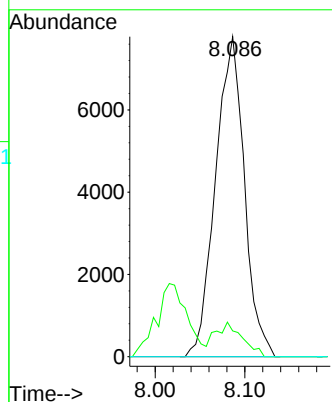
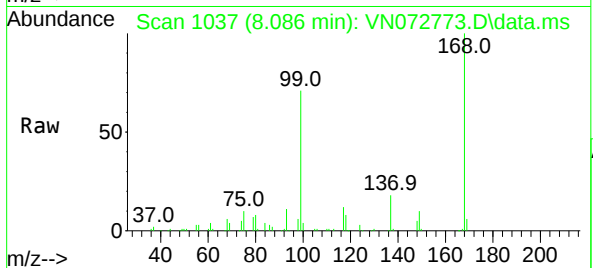
Tgt Ion: 75 Resp: 17334

Ion Ratio Lower Upper

75 100

110 10.1 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.519 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.118 min

Lab File: VN072773.D

Acq: 10 Jun 2022 18:36

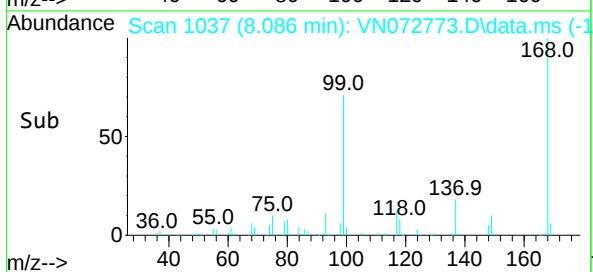
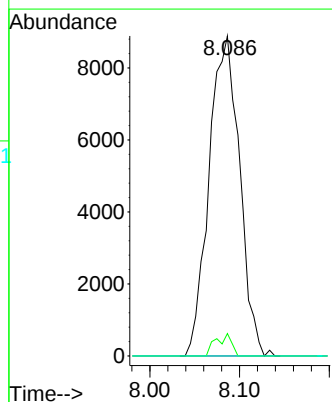
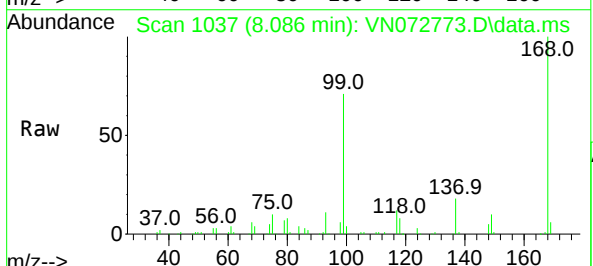
Tgt Ion: 117 Resp: 20986

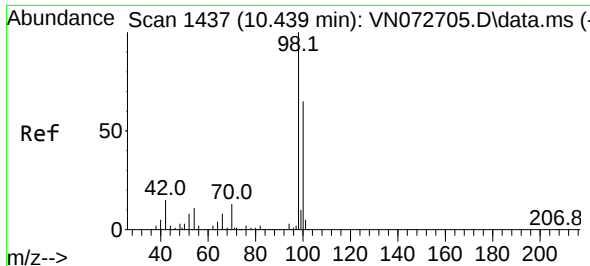
Ion Ratio Lower Upper

117 100

119 7.0 75.8 113.8#

121 0.0 24.6 37.0#

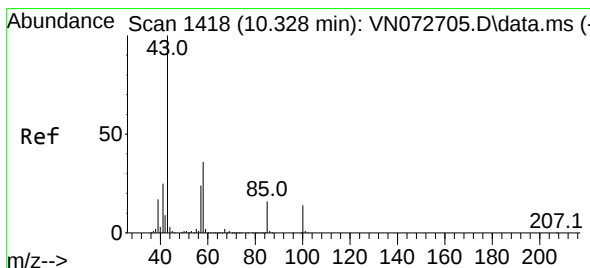
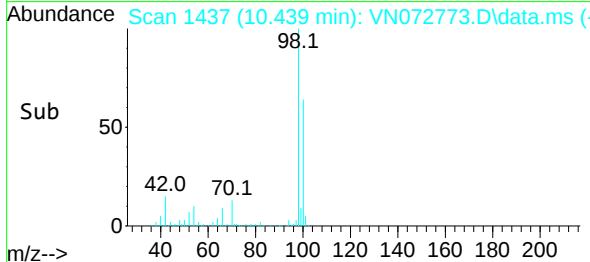
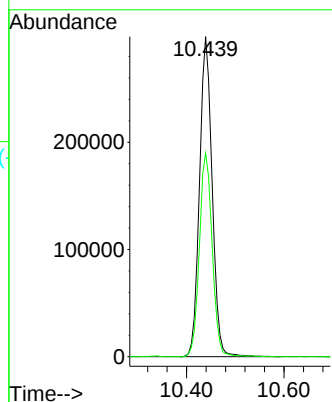
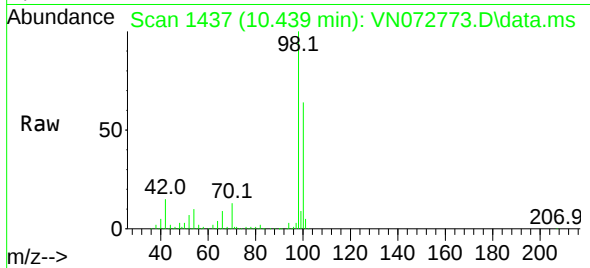




#50
Toluene-d8
Concen: 43.060 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

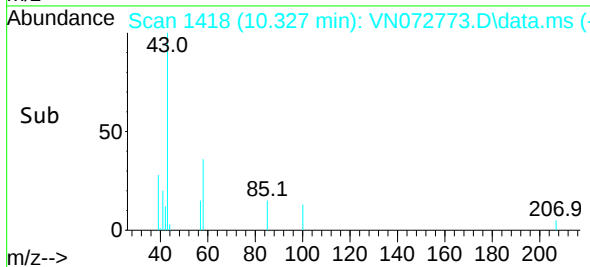
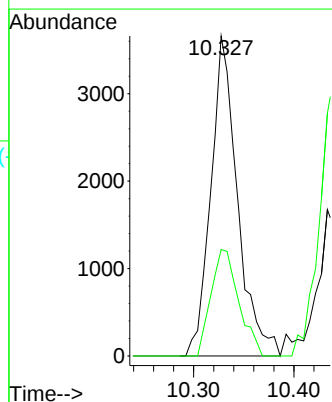
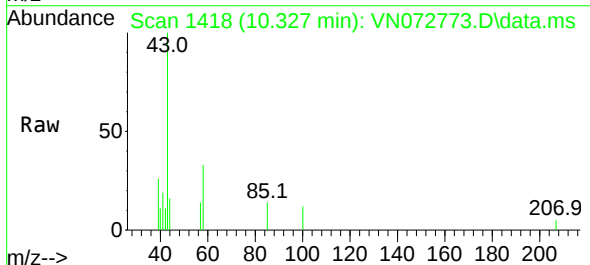
Instrument :
MSVOA_N
ClientSampleId :
40806

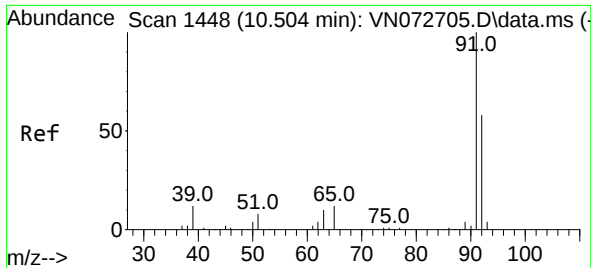
Tgt Ion: 98 Resp: 537877
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.987 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.001 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

Tgt Ion: 43 Resp: 6760
Ion Ratio Lower Upper
43 100
58 34.6 34.1 51.1

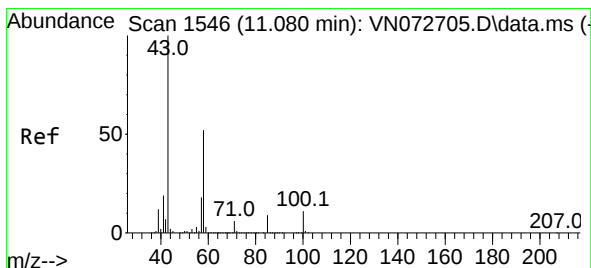
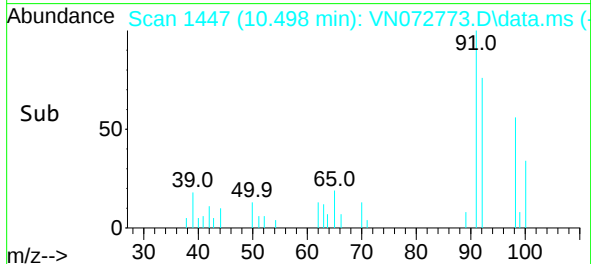
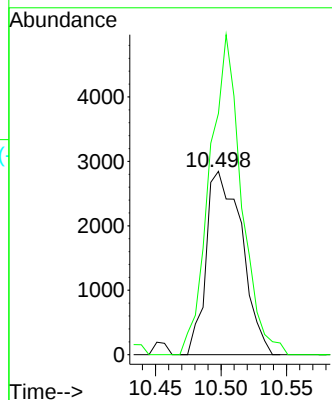
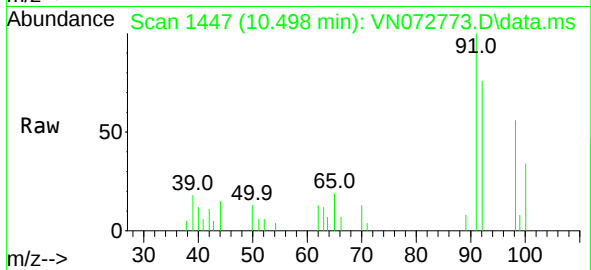




#52
Toluene
Concen: 0.654 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

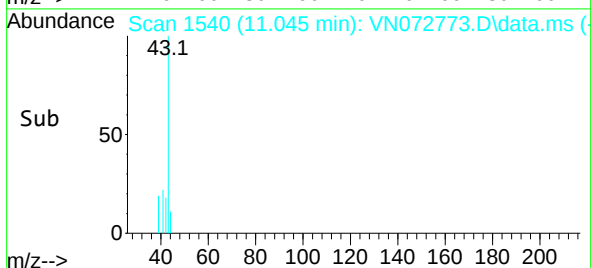
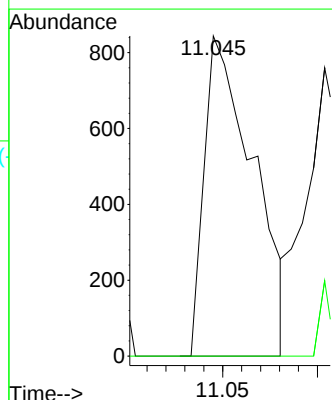
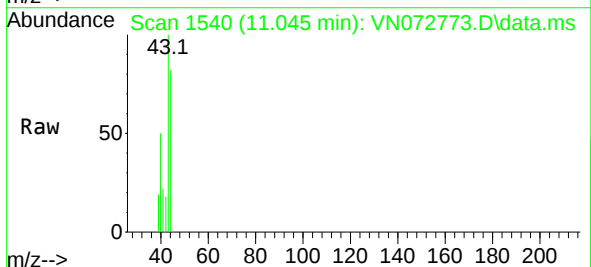
Instrument :
MSVOA_N
ClientSampleId :
40806

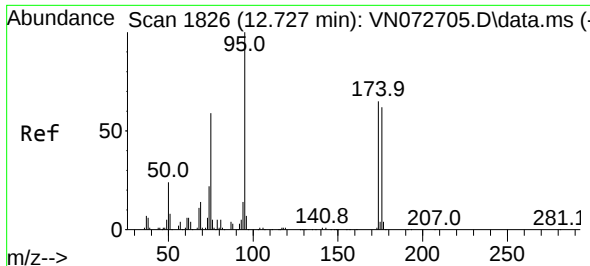
Tgt Ion: 92 Resp: 5381
Ion Ratio Lower Upper
92 100
91 156.0 138.6 207.8



#59
2-Hexanone
Concen: 0.302 ug/l
RT: 11.045 min Scan# 1540
Delta R.T. -0.035 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

Tgt Ion: 43 Resp: 1521
Ion Ratio Lower Upper
43 100
58 0.0 29.7 89.1#

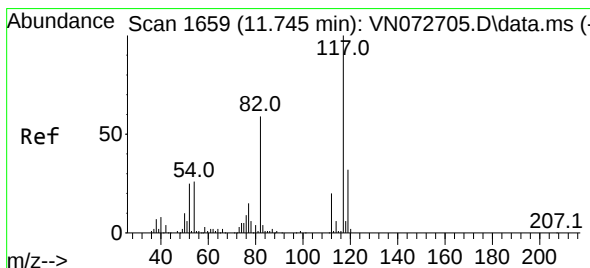
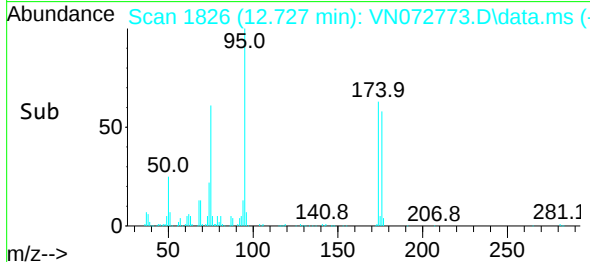
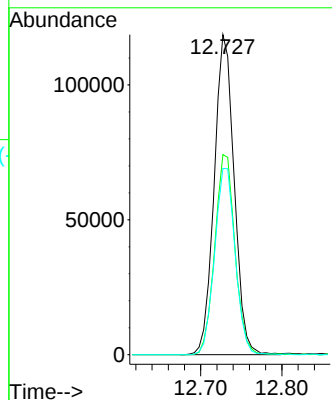
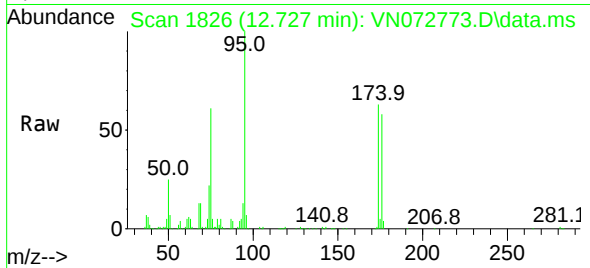




#62
4-Bromofluorobenzene
Concen: 47.386 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

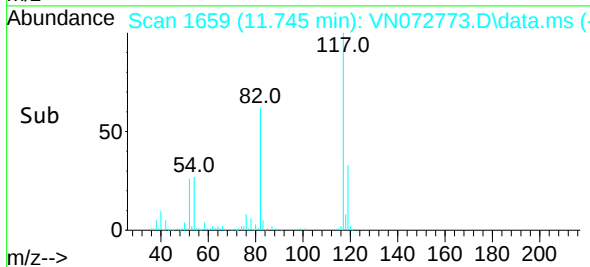
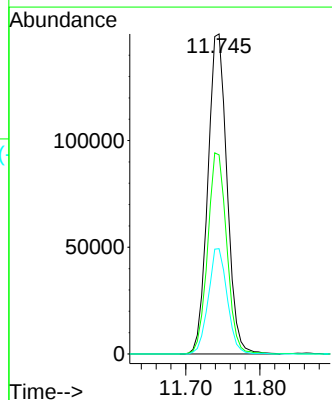
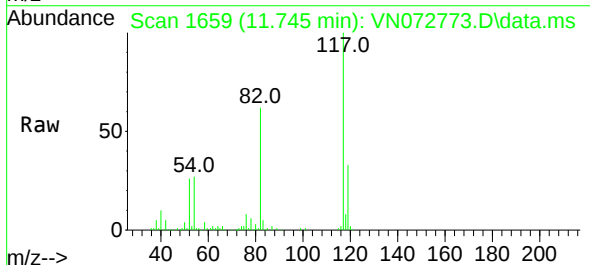
Instrument :
MSVOA_N
ClientSampleId :
40806

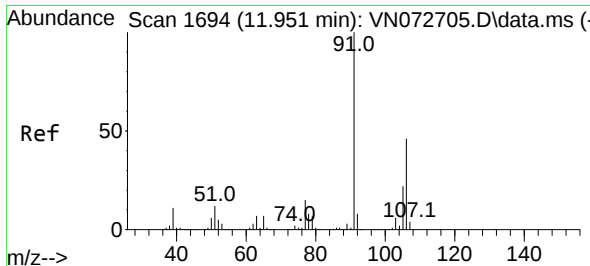
Tgt Ion: 95 Resp: 203114
Ion Ratio Lower Upper
95 100
174 63.2 0.0 167.6
176 59.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. -0.000 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

Tgt Ion: 117 Resp: 269492
Ion Ratio Lower Upper
117 100
82 62.2 44.2 66.2
119 32.9 25.4 38.0

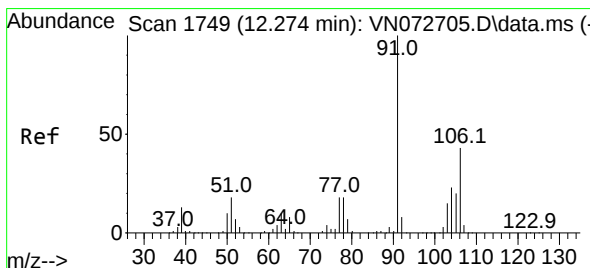
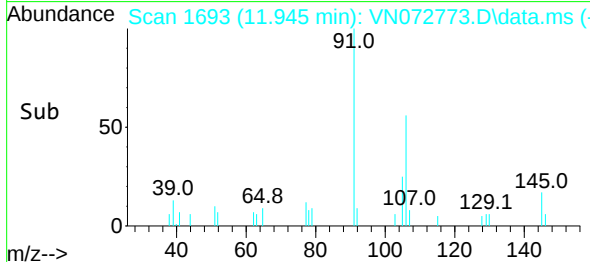
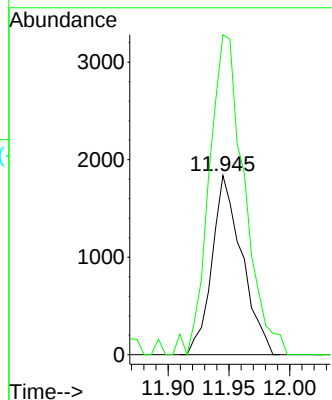
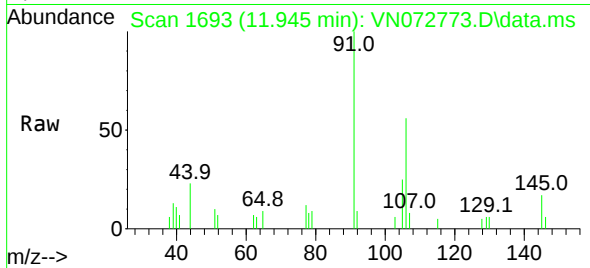




#68
m/p-Xylenes
Concen: 0.657 ug/l
RT: 11.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

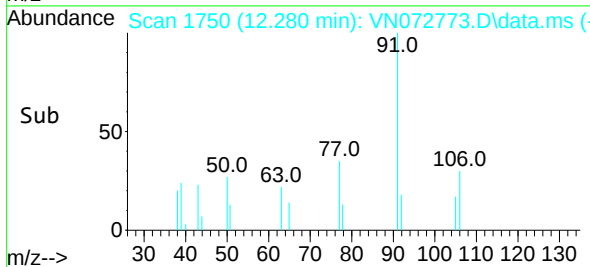
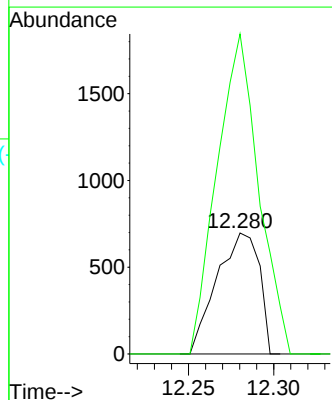
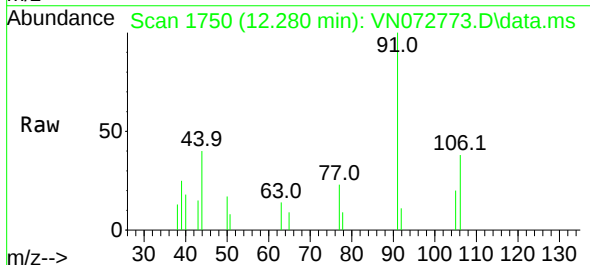
Instrument :
MSVOA_N
ClientSampleId :
40806

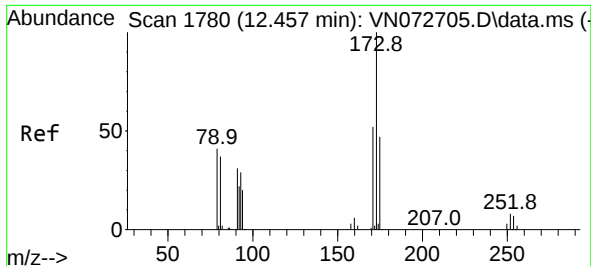
Tgt Ion:106 Resp: 3155
Ion Ratio Lower Upper
106 100
91 209.0 158.9 238.3



#69
o-Xylene
Concen: 0.250 ug/l
RT: 12.280 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

Tgt Ion:106 Resp: 1208
Ion Ratio Lower Upper
106 100
91 259.0 106.0 318.0

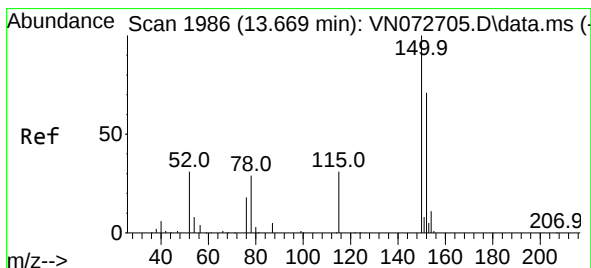
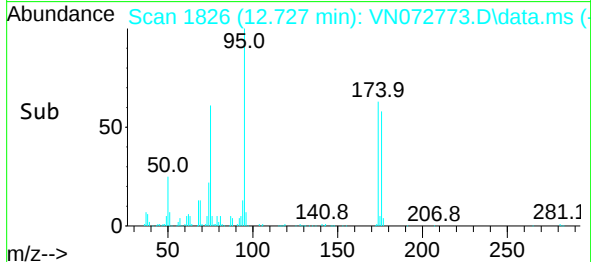
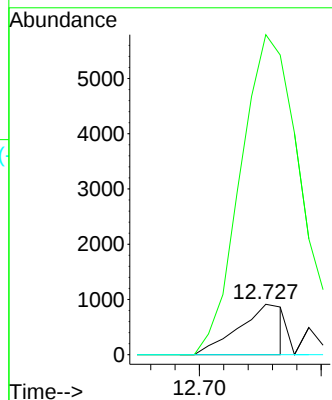
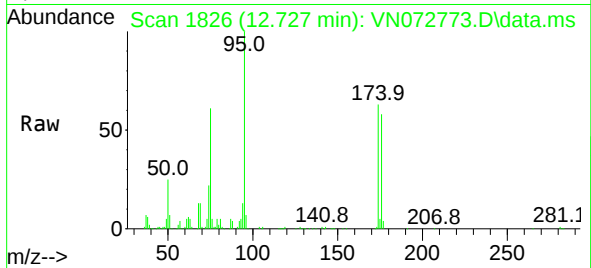




#71
Bromoform
Concen: 0.585 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

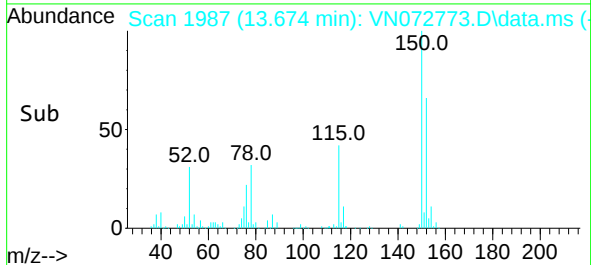
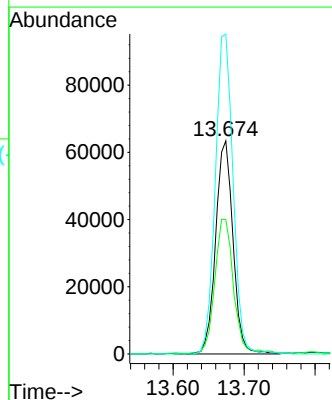
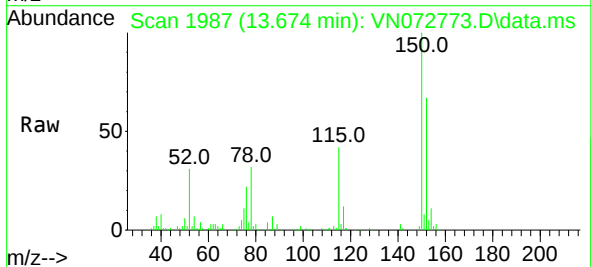
Instrument :
MSVOA_N
ClientSampleId :
40806

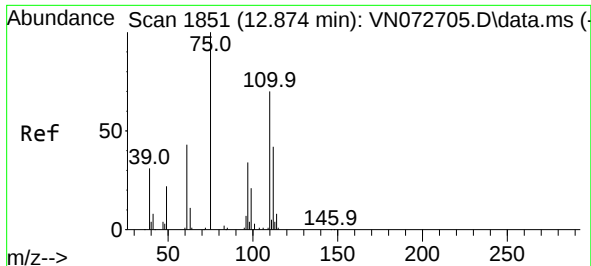
Tgt Ion:173 Resp: 1176
Ion Ratio Lower Upper
173 100
175 609.3 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

Tgt Ion:152 Resp: 107575
Ion Ratio Lower Upper
152 100
115 67.4 28.9 86.7
150 153.4 0.0 356.2

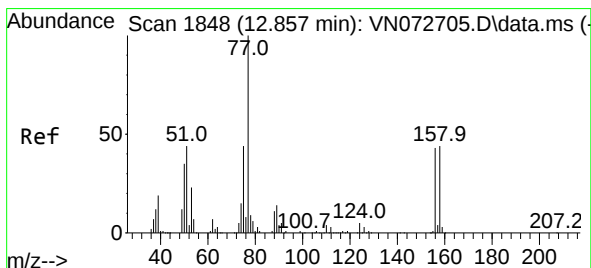
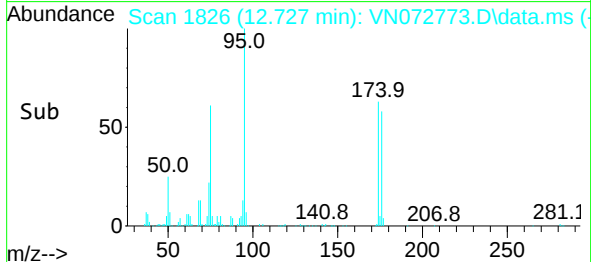
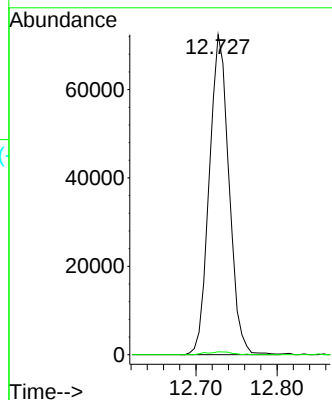
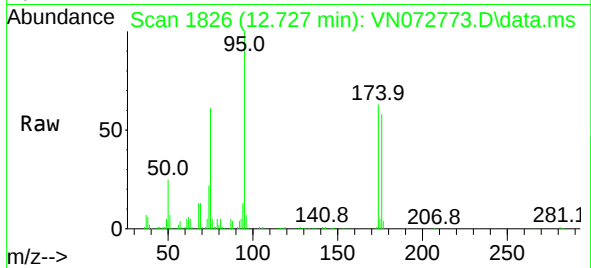




#76
1,2,3-Trichloropropane
Concen: 35.186 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

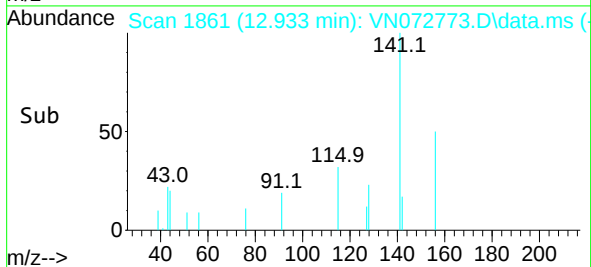
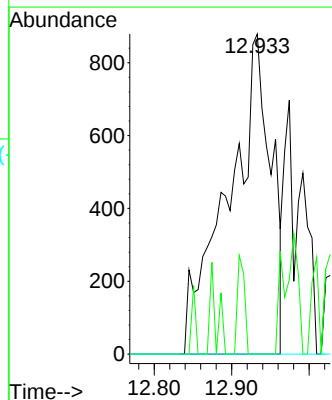
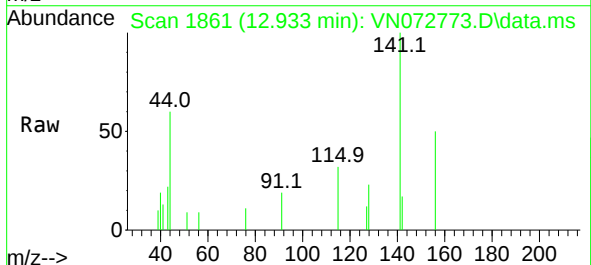
Instrument :
MSVOA_N
ClientSampleId :
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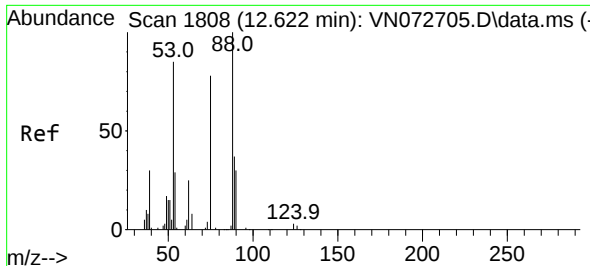
Tgt Ion: 75 Resp: 122145
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#77
Bromobenzene
Concen: 1.478 ug/l
RT: 12.933 min Scan# 1861
Delta R.T. 0.076 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

Tgt Ion: 156 Resp: 3361
Ion Ratio Lower Upper
156 100
77 0.0 100.5 301.5#
158 0.0 48.9 146.6#

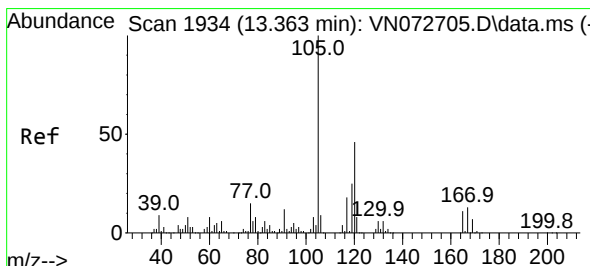
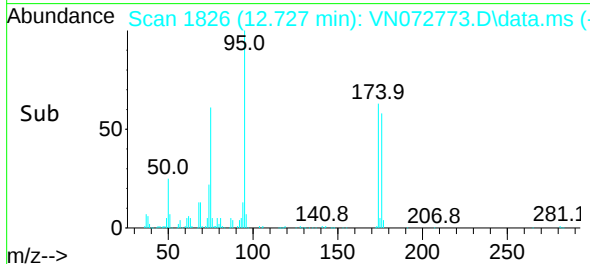
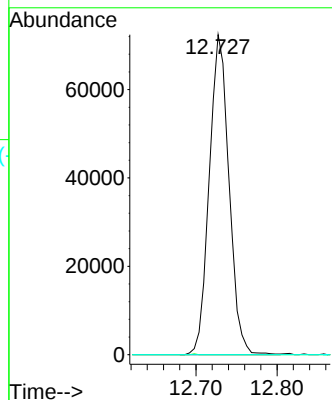
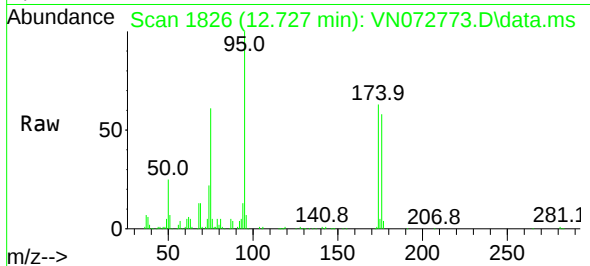




#81
trans-1,4-Dichloro-2-butene
Concen: 92.022 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

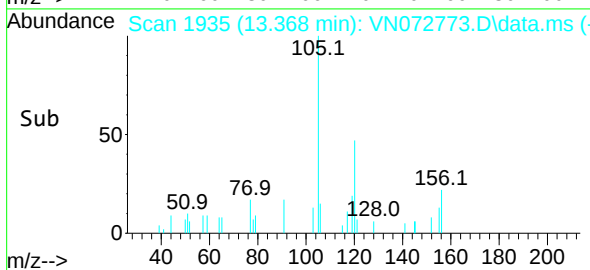
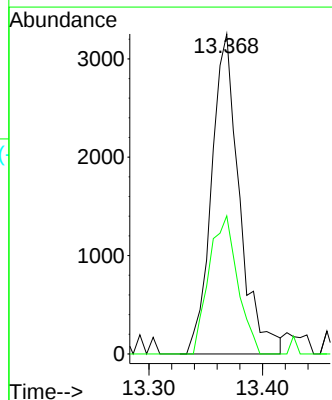
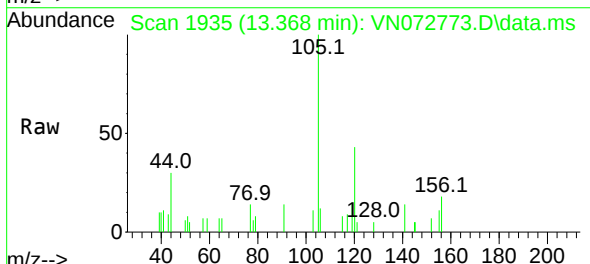
Instrument :
MSVOA_N
ClientSampleId :
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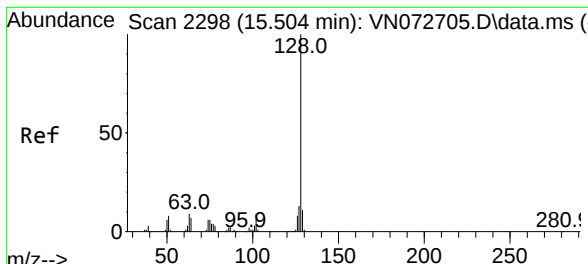
Tgt Ion: 75 Resp: 122145
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.636 ug/l
RT: 13.368 min Scan# 1935
Delta R.T. 0.005 min
Lab File: VN072773.D
Acq: 10 Jun 2022 18:36

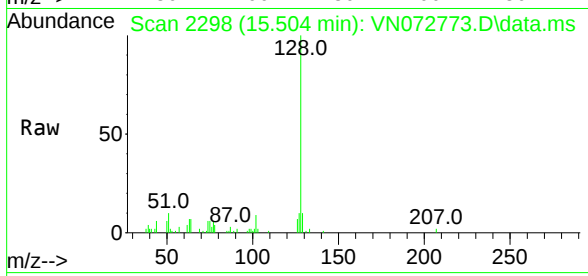
Tgt Ion: 105 Resp: 5566
Ion Ratio Lower Upper
105 100
120 44.2 23.3 69.8





#95
 Naphthalene
 Concen: 4.779 ug/l
 RT: 15.504 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN072773.D
 Acq: 10 Jun 2022 18:36

Instrument :
 MSVOA_N
 ClientSampleId :
 40806



Tgt Ion:	128	Resp:	33781
Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.3	15.5
129	11.1	8.6	13.0

