

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075722.D
 Acq On : 12 Dec 2022 18:53
 Operator : JC\MD
 Sample : N5978-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-06

Quant Time: Dec 13 01:34:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 07:54:35 2022
 Response via : Initial Calibration

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

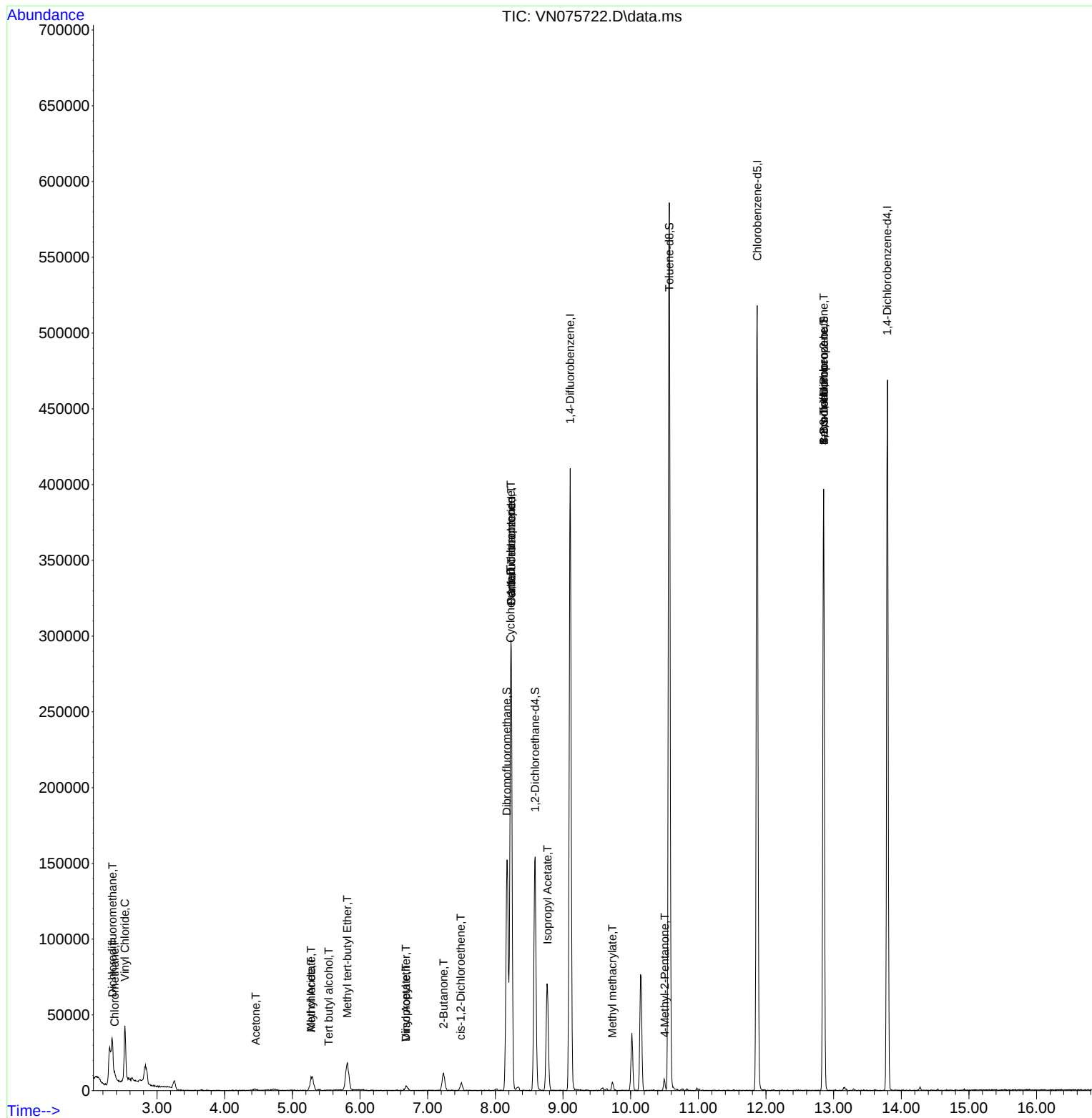
Internal Standards						
1) Pentafluorobenzene	8.235	168	235752	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	371732	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	319970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	134861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	123510	49.377	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.760%		
35) Dibromofluoromethane	8.171	113	112535	49.619	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.240%		
50) Toluene-d8	10.570	98	428164	50.270	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.540%		
62) 4-Bromofluorobenzene	12.853	95	131092	45.016	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.040%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.342	85	1190	0.686	ug/l	94
3) Chloromethane	2.371	50	470	0.228	ug/l #	40
4) Vinyl Chloride	2.524	62	2249	0.886	ug/l #	76
11) Tert butyl alcohol	5.536	59	492	1.330	ug/l #	72
14) Allyl chloride	5.277	41	4403	1.751	ug/l #	49
16) Acetone	4.459	43	840	0.992	ug/l #	41
18) Methyl Acetate	5.277	43	8696	3.195	ug/l #	44
19) Methyl tert-butyl Ether	5.812	73	31851	4.688	ug/l	100
22) Diisopropyl ether	6.677	45	2976	0.520	ug/l #	80
23) Vinyl Acetate	6.677	43	1817	0.416	ug/l #	65
25) 2-Butanone	7.235	43	6184	4.994	ug/l #	43
27) cis-1,2-Dichloroethene	7.488	96	3352	1.223	ug/l	88
31) Cyclohexane	8.224	56	4650	1.256	ug/l #	26
36) 1,1-Dichloropropene	8.229	75	15952	5.297	ug/l #	48
38) Carbon Tetrachloride	8.235	117	23824	6.855	ug/l #	14
43) Isopropyl Acetate	8.771	43	11982	2.968	ug/l #	51
48) Methyl methacrylate	9.729	41	1418	0.763	ug/l #	16
51) 4-Methyl-2-Pentanone	10.506	43	764	0.307	ug/l #	32
71) Bromoform	12.853	173	883	0.486	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	68890	25.436	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	68890	81.108	ug/l #	13

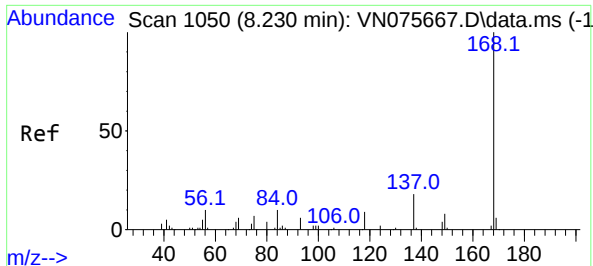
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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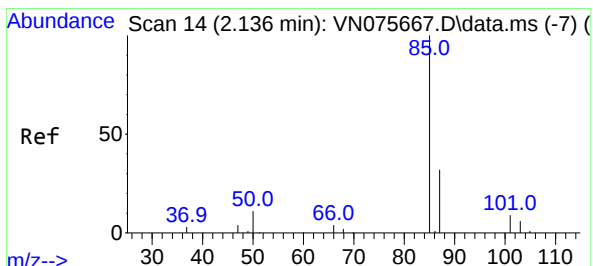
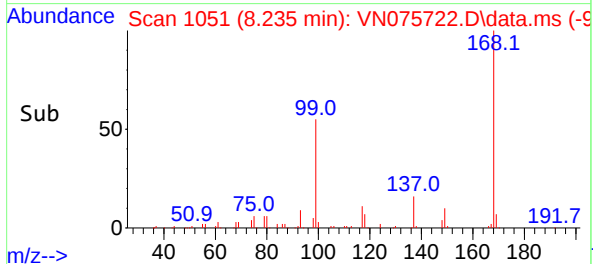
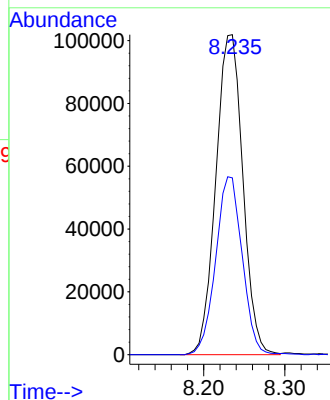
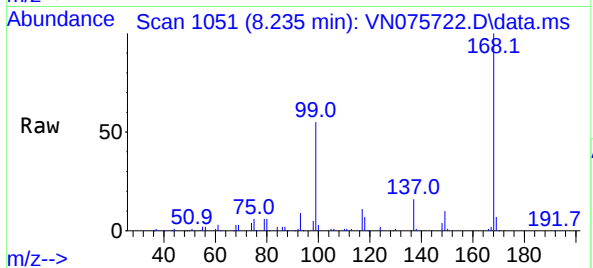




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. 0.005 min
Lab File: VN075722.D
Acq: 12 Dec 2022 18:53

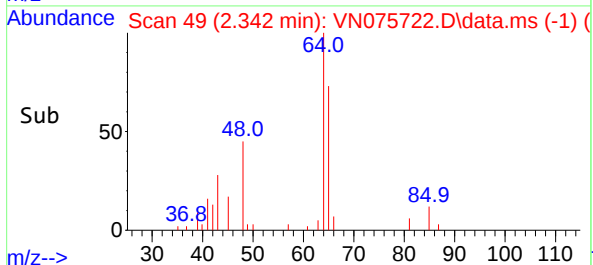
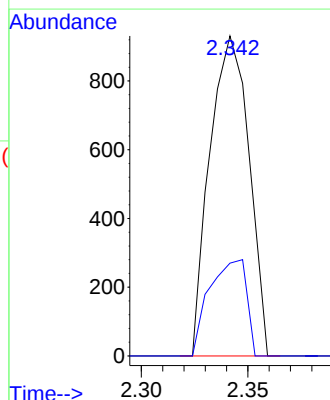
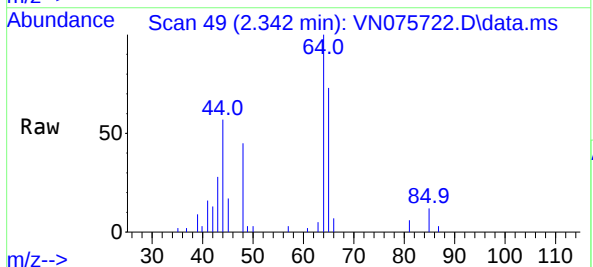
Instrument :
MSVOA_N
ClientSampleId :
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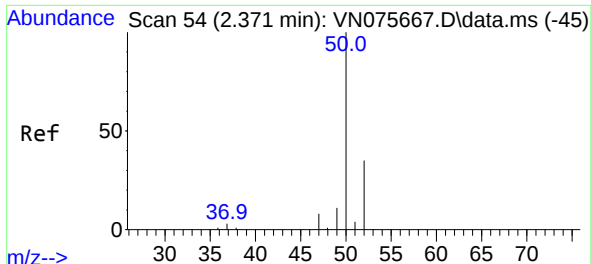
Tgt Ion:168 Resp: 235752
Ion Ratio Lower Upper
168 100
99 55.3 41.2 61.8



#2
Dichlorodifluoromethane
Concen: 0.686 ug/l
RT: 2.342 min Scan# 49
Delta R.T. 0.206 min
Lab File: VN075722.D
Acq: 12 Dec 2022 18:53

Tgt Ion: 85 Resp: 1190
Ion Ratio Lower Upper
85 100
87 29.0 16.1 48.2

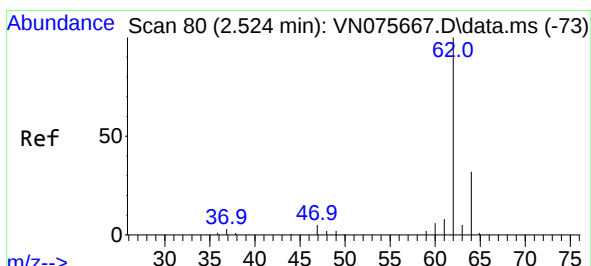
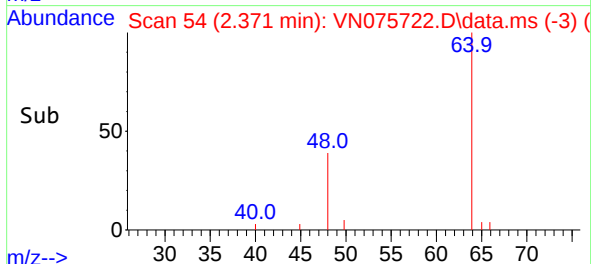
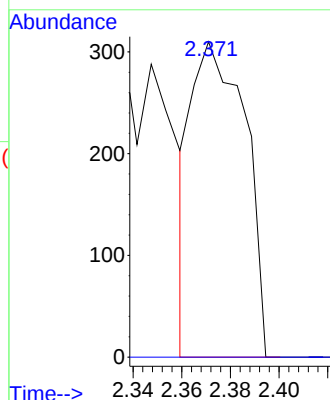
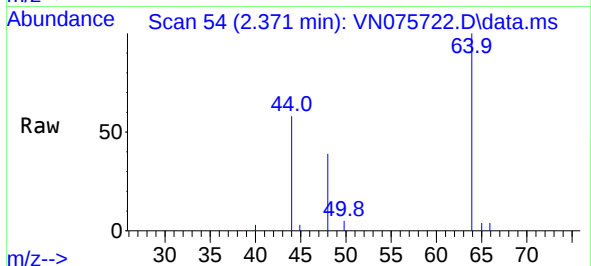




#3
Chloromethane
Concen: 0.228 ug/l
RT: 2.371 min Scan# 54
Delta R.T. -0.000 min
Lab File: VN075722.D
Acq: 12 Dec 2022 18:53

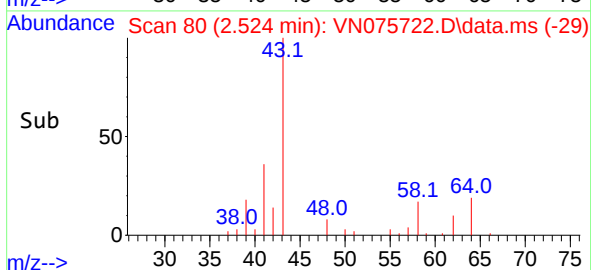
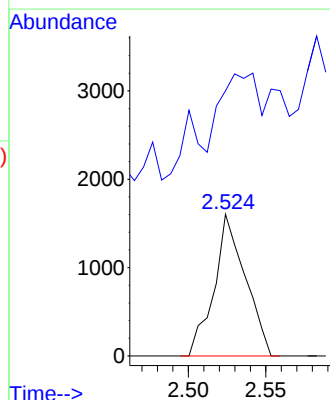
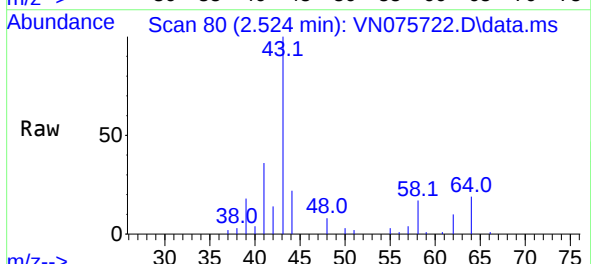
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-06

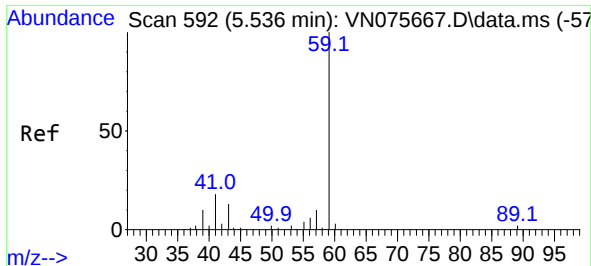
Tgt Ion: 50 Resp: 470
Ion Ratio Lower Upper
50 100
52 0.0 27.9 41.9#



#4
Vinyl Chloride
Concen: 0.886 ug/l
RT: 2.524 min Scan# 80
Delta R.T. -0.000 min
Lab File: VN075722.D
Acq: 12 Dec 2022 18:53

Tgt Ion: 62 Resp: 2249
Ion Ratio Lower Upper
62 100
64 45.6 25.9 38.9#

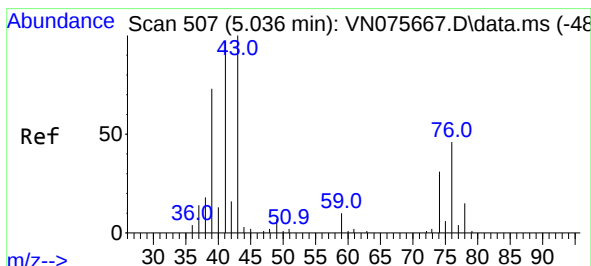
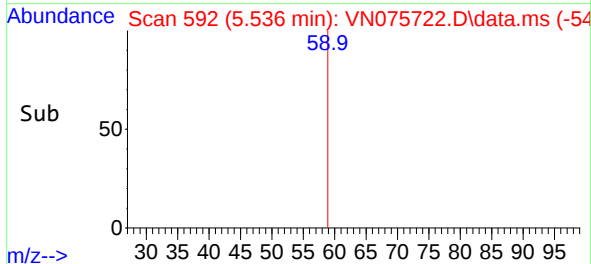
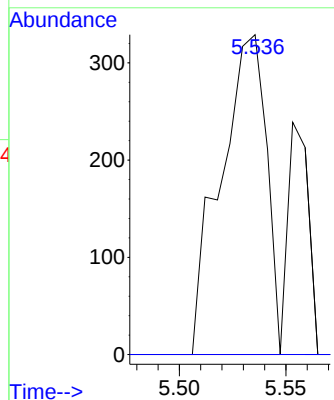
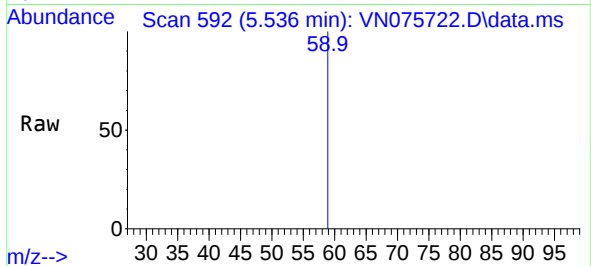




#11
Tert butyl alcohol
Concen: 1.330 ug/l
RT: 5.536 min Scan# 591
Delta R.T. -0.000 min
Lab File: VN075722.D
Acq: 12 Dec 2022 18:53

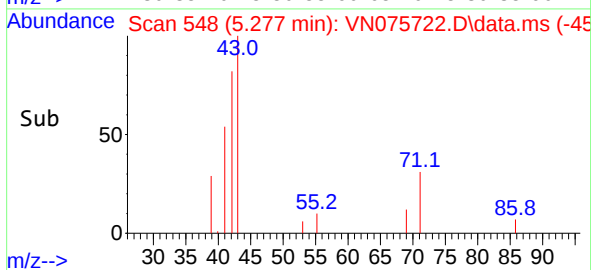
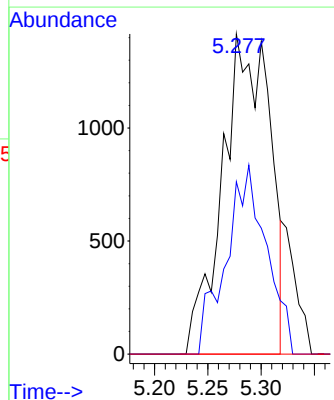
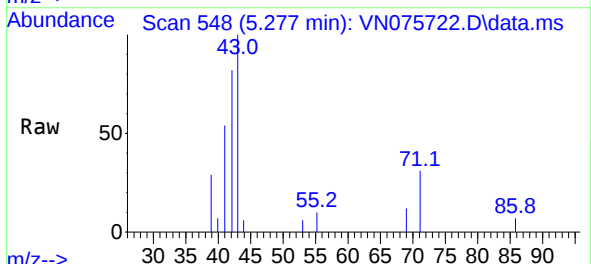
Instrument :
MSVOA_N
ClientSampleId :
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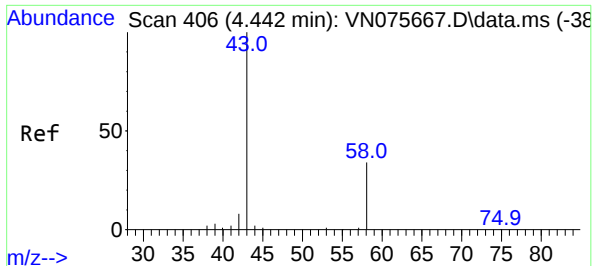
Tgt Ion: 59 Resp: 492
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#14
Allyl chloride
Concen: 1.751 ug/l
RT: 5.277 min Scan# 548
Delta R.T. 0.241 min
Lab File: VN075722.D
Acq: 12 Dec 2022 18:53

Tgt Ion: 41 Resp: 4403
Ion Ratio Lower Upper
41 100
39 48.3 64.6 96.8#
76 0.0 40.9 61.3#

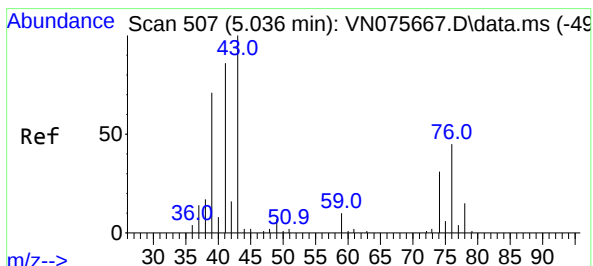
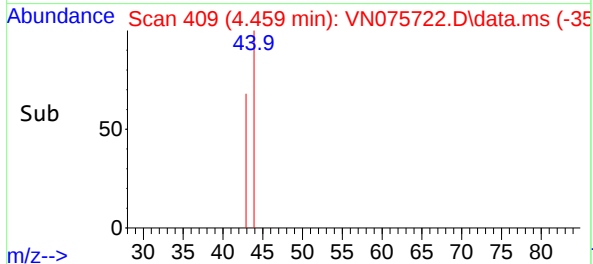
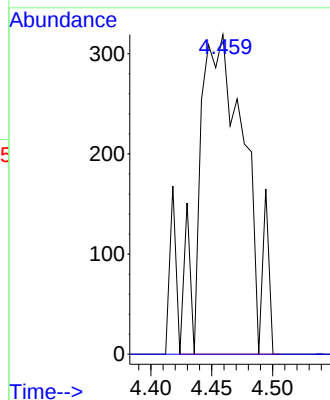
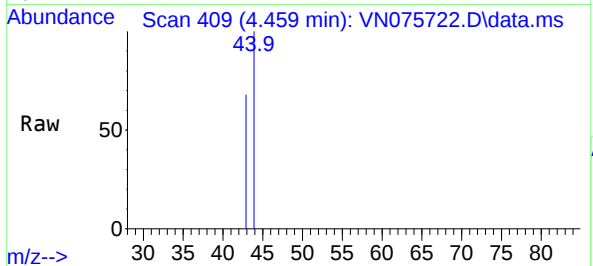




#16
Acetone
Concen: 0.992 ug/l
RT: 4.459 min Scan# 409
Delta R.T. 0.018 min
Lab File: VN075722.D
Acq: 12 Dec 2022 18:53

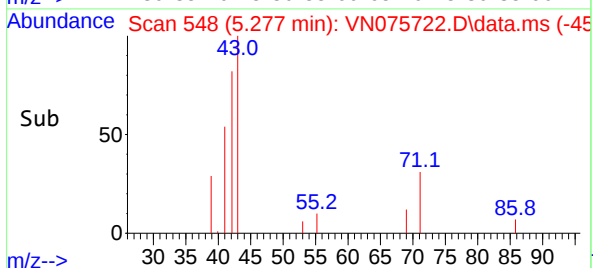
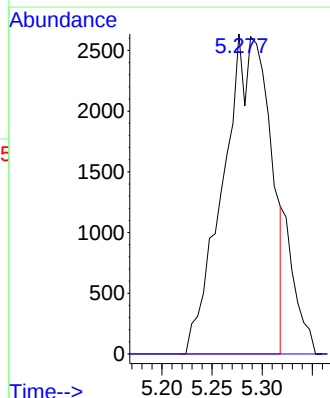
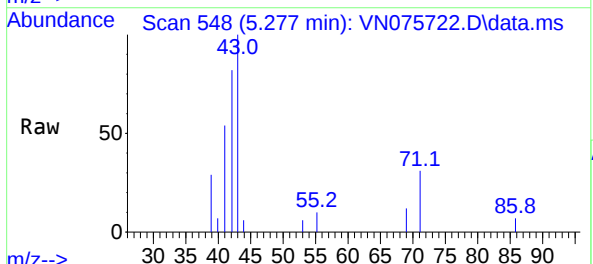
Instrument :
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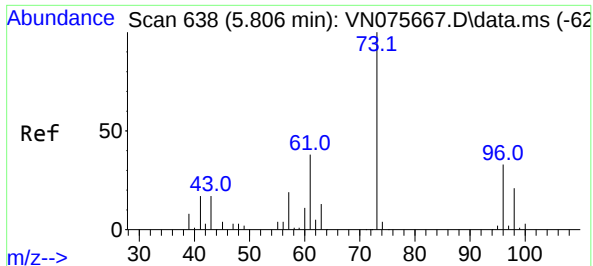
Tgt Ion: 43 Resp: 840
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#



#18
Methyl Acetate
Concen: 3.195 ug/l
RT: 5.277 min Scan# 548
Delta R.T. 0.241 min
Lab File: VN075722.D
Acq: 12 Dec 2022 18:53

Tgt Ion: 43 Resp: 8696
Ion Ratio Lower Upper
43 100
74 0.0 24.5 36.7#

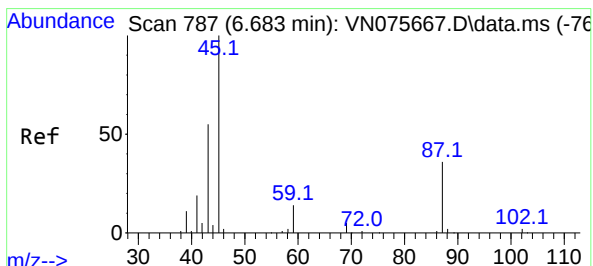
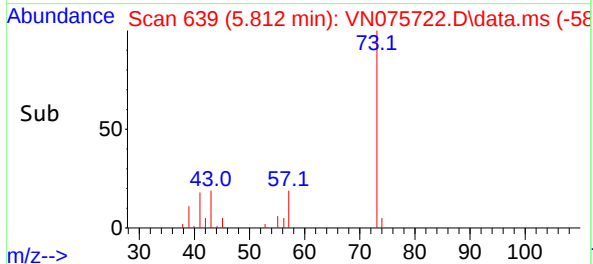
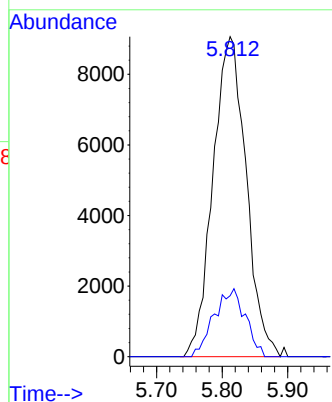
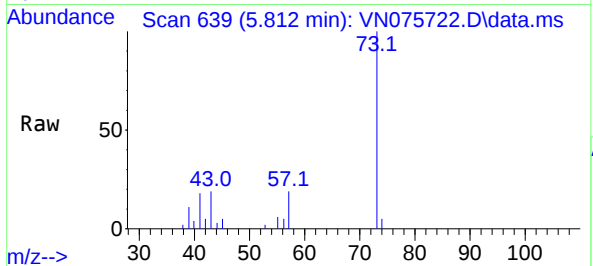




#19
Methyl tert-butyl Ether
Concen: 4.688 ug/l
RT: 5.812 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN075722.D
Acq: 12 Dec 2022 18:53

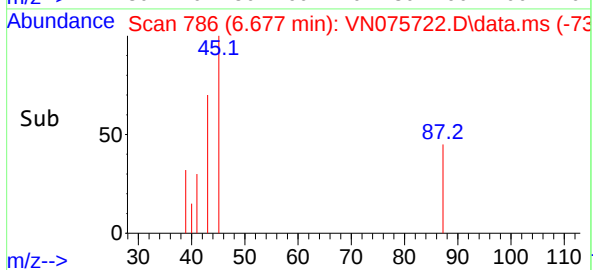
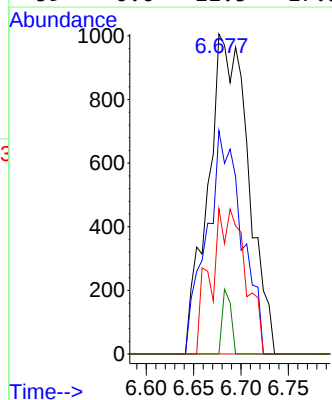
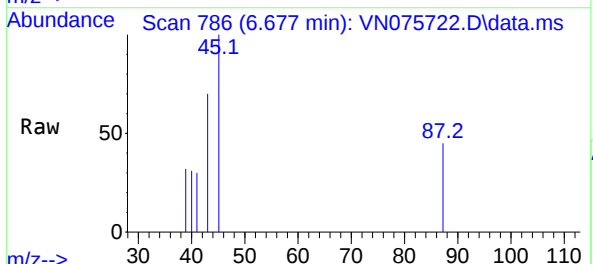
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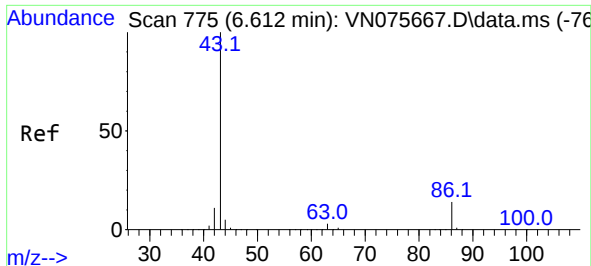
Tgt Ion: 73 Resp: 31851
Ion Ratio Lower Upper
73 100
57 19.1 15.1 22.7



#22
Diisopropyl ether
Concen: 0.520 ug/l
RT: 6.677 min Scan# 786
Delta R.T. -0.006 min
Lab File: VN075722.D
Acq: 12 Dec 2022 18:53

Tgt Ion: 45 Resp: 2976
Ion Ratio Lower Upper
45 100
43 69.8 44.9 67.3#
87 45.4 28.8 43.2#
59 0.0 11.5 17.3#

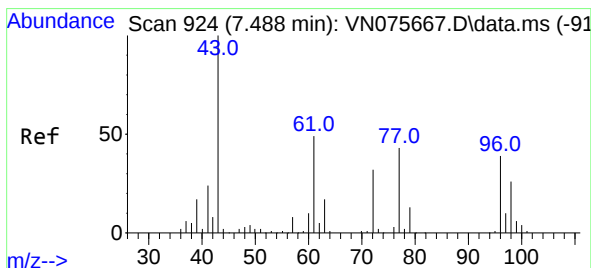
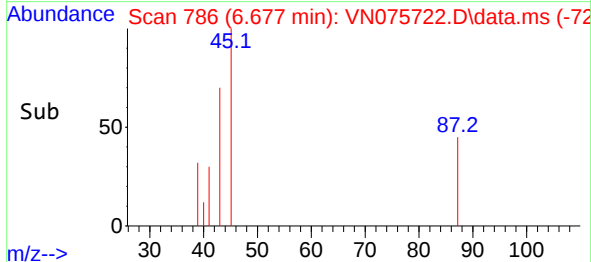
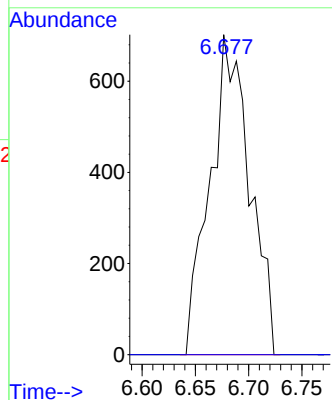
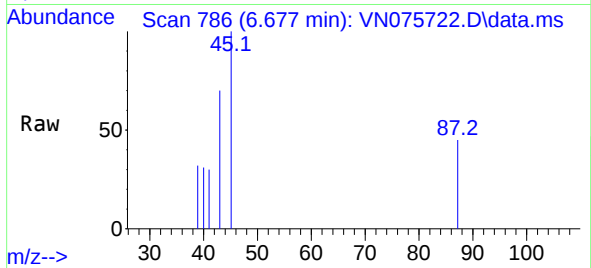




#23
 Vinyl Acetate
 Concen: 0.416 ug/l
 RT: 6.677 min Scan# 71
 Delta R.T. 0.065 min
 Lab File: VN075722.D
 Acq: 12 Dec 2022 18:53

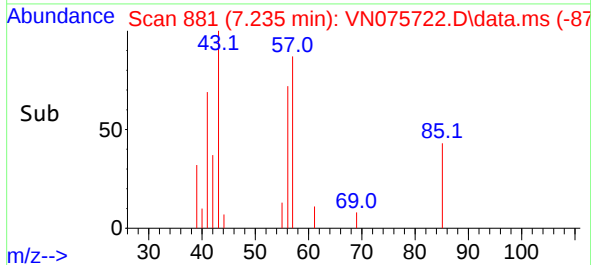
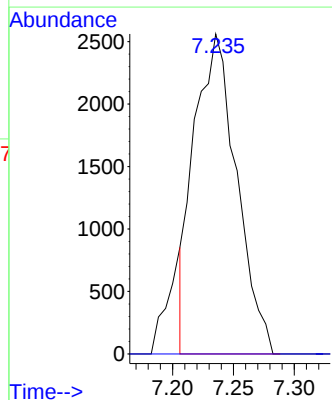
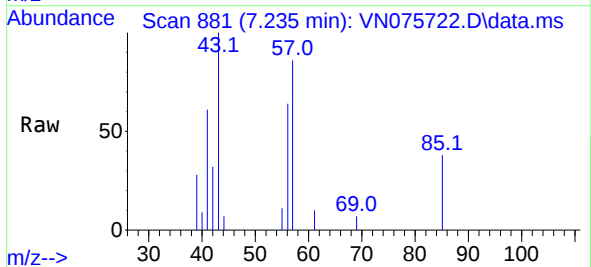
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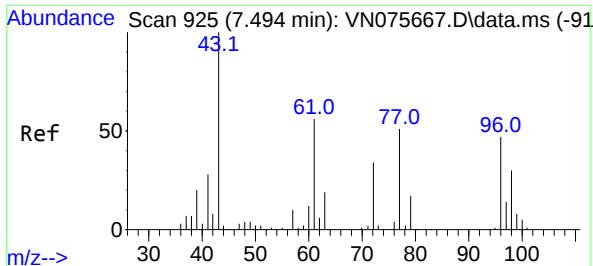
Tgt Ion: 43 Resp: 1817
 Ion Ratio Lower Upper
 43 100
 86 0.0 11.5 17.3#



#25
 2-Butanone
 Concen: 4.994 ug/l
 RT: 7.235 min Scan# 881
 Delta R.T. -0.253 min
 Lab File: VN075722.D
 Acq: 12 Dec 2022 18:53

Tgt Ion: 43 Resp: 6184
 Ion Ratio Lower Upper
 43 100
 72 0.0 25.3 37.9#

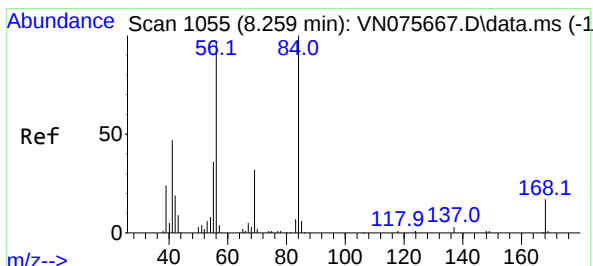
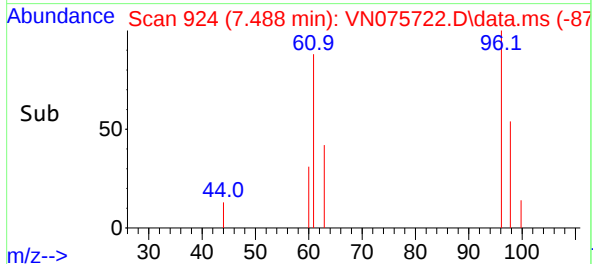
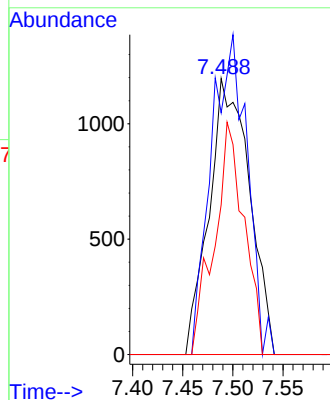
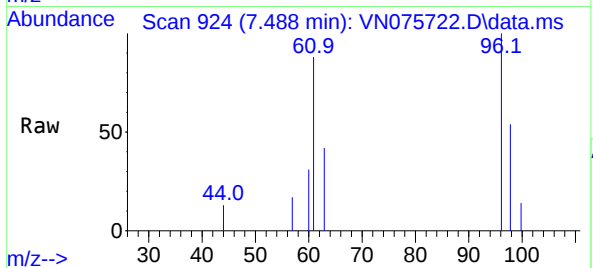




#27
cis-1,2-Dichloroethene
Concen: 1.223 ug/l
RT: 7.488 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN075722.D
Acq: 12 Dec 2022 18:53

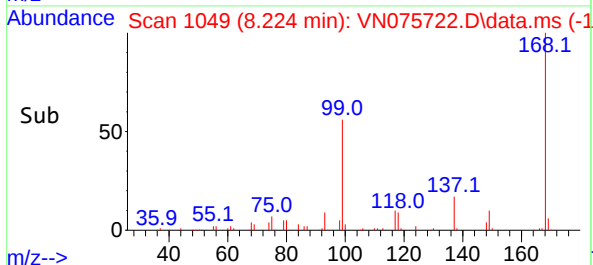
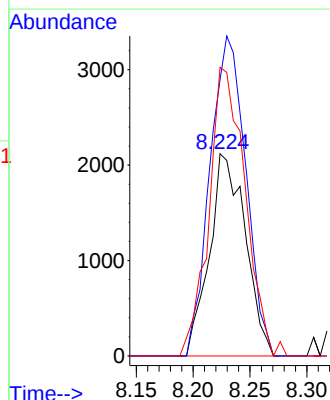
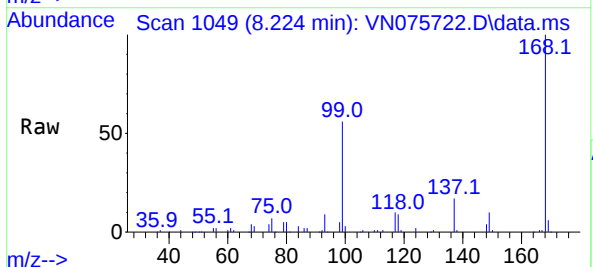
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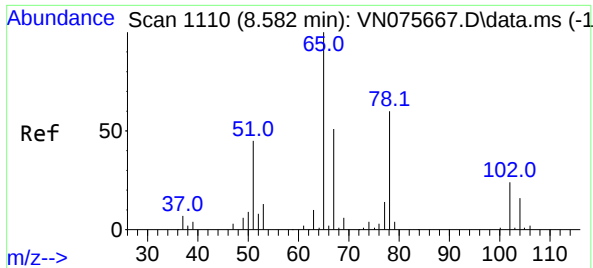
Tgt Ion: 96 Resp: 3352
Ion Ratio Lower Upper
96 100
61 103.4 0.0 247.8
98 61.9 0.0 126.0



#31
Cyclohexane
Concen: 1.256 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075722.D
Acq: 12 Dec 2022 18:53

Tgt Ion: 56 Resp: 4650
Ion Ratio Lower Upper
56 100
69 136.5 26.2 39.2#
84 142.7 82.8 124.2#

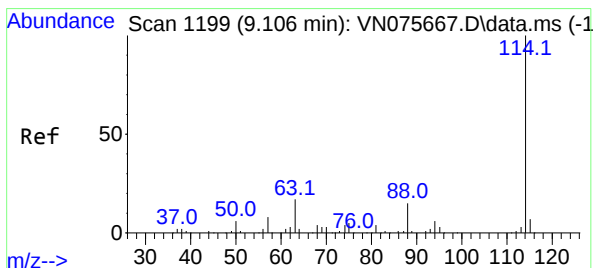
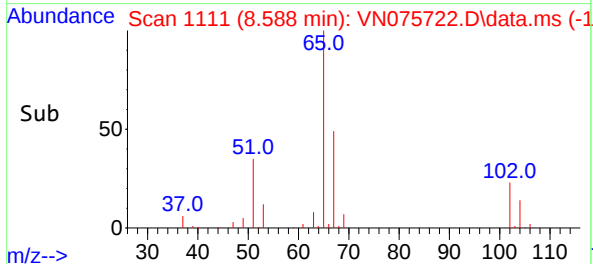
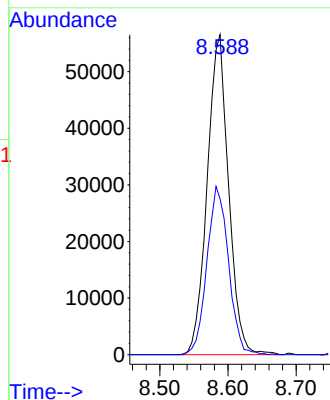
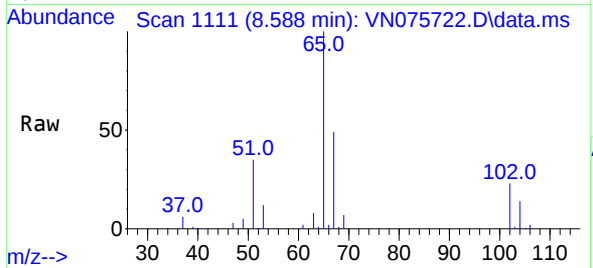




#33
1,2-Dichloroethane-d4
Concen: 49.377 ug/l
RT: 8.588 min Scan# 1110
Delta R.T. 0.006 min
Lab File: VN075722.D
Acq: 12 Dec 2022 18:53

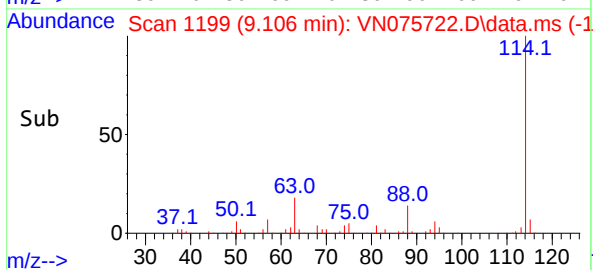
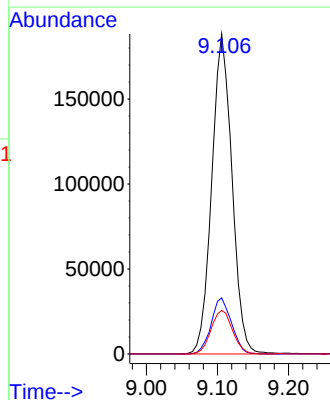
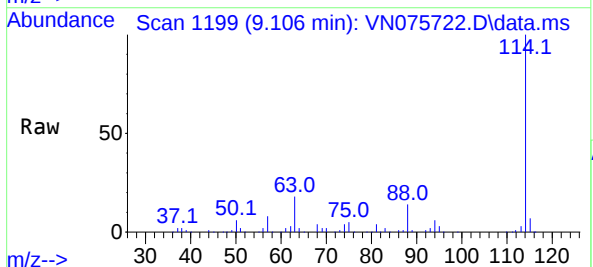
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-06

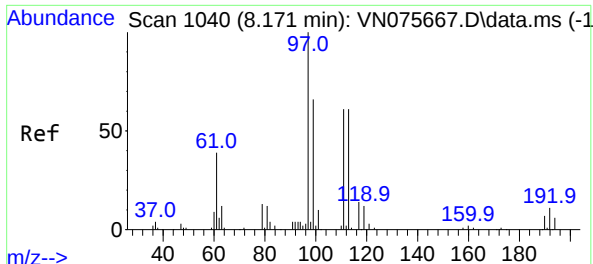
Tgt Ion: 65 Resp: 123510
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075722.D
Acq: 12 Dec 2022 18:53

Tgt Ion: 114 Resp: 371732
Ion Ratio Lower Upper
114 100
63 17.5 0.0 34.4
88 13.6 0.0 29.2

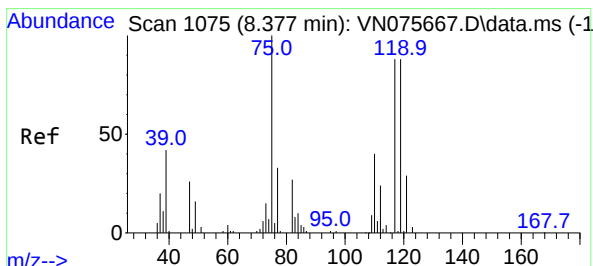
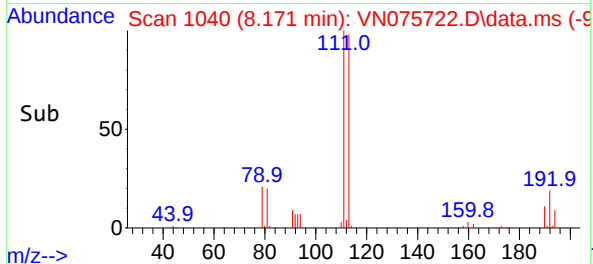
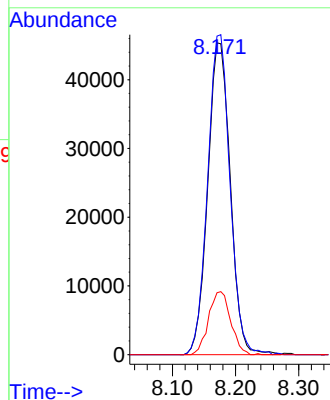
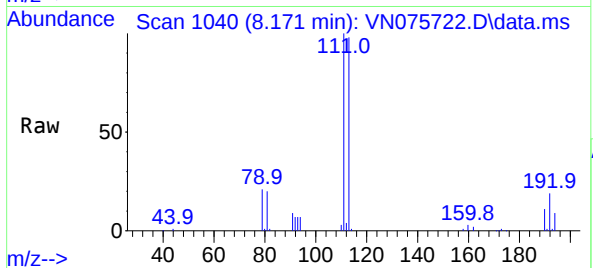




#35
Dibromofluoromethane
Concen: 49.619 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075722.D
Acq: 12 Dec 2022 18:53

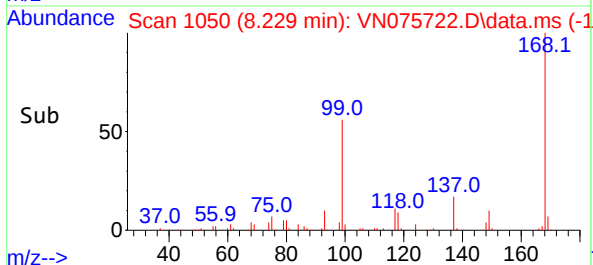
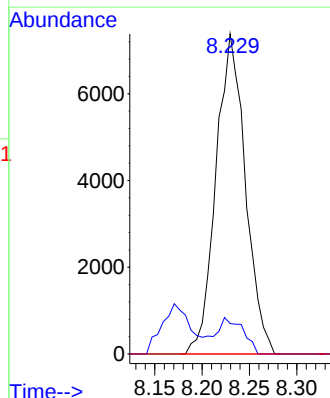
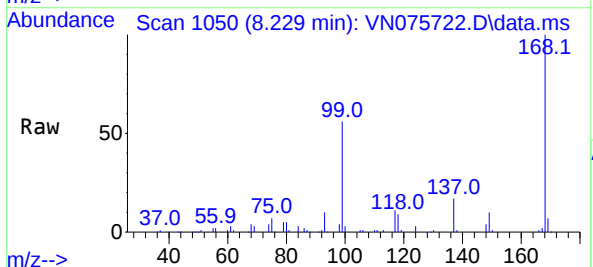
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-06

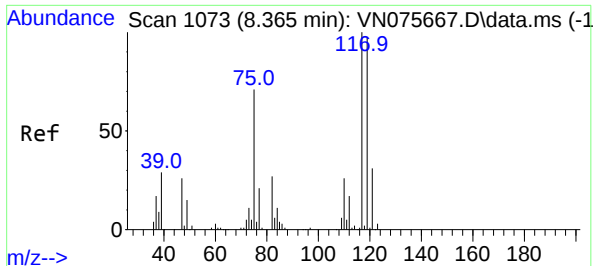
Tgt Ion:113 Resp: 112535
Ion Ratio Lower Upper
113 100
111 102.0 81.0 121.6
192 19.8 16.2 24.2



#36
1,1-Dichloropropene
Concen: 5.297 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075722.D
Acq: 12 Dec 2022 18:53

Tgt Ion: 75 Resp: 15952
Ion Ratio Lower Upper
75 100
110 9.1 18.9 56.9#
77 0.0 25.4 38.2#

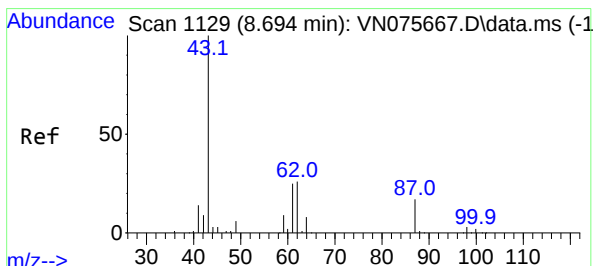
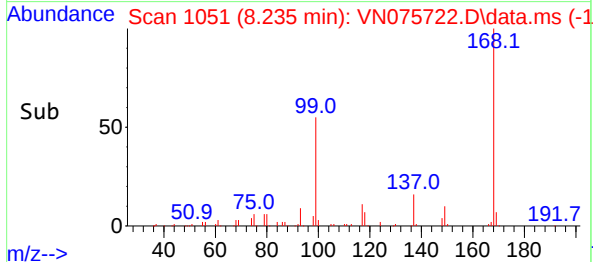
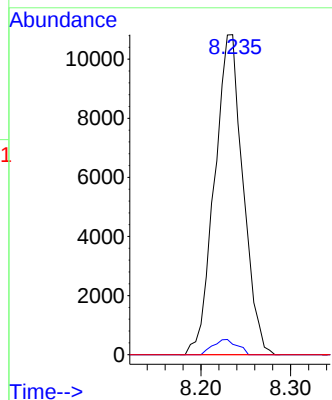
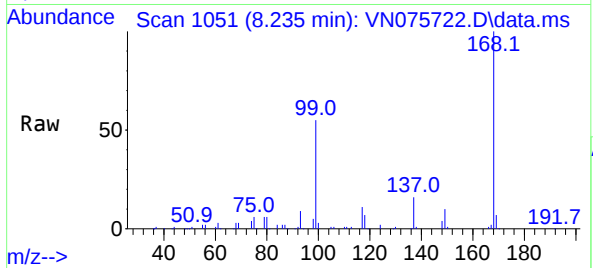




#38
Carbon Tetrachloride
Concen: 6.855 ug/l
RT: 8.235 min Scan# 110
Delta R.T. -0.129 min
Lab File: VN075722.D
Acq: 12 Dec 2022 18:53

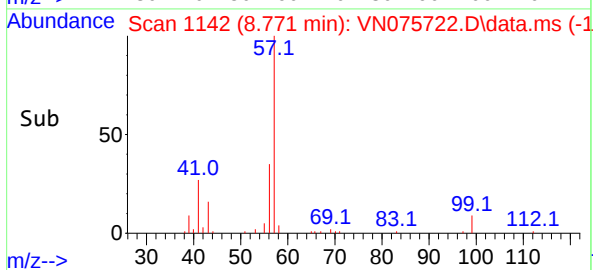
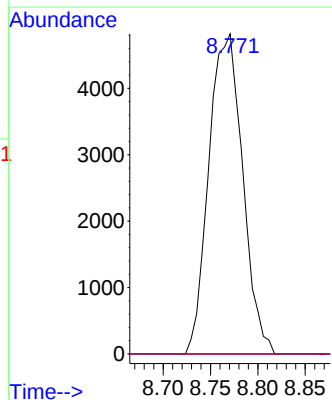
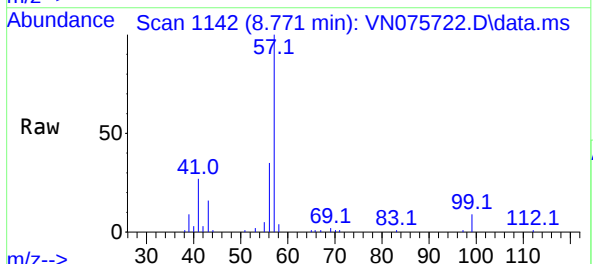
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-06

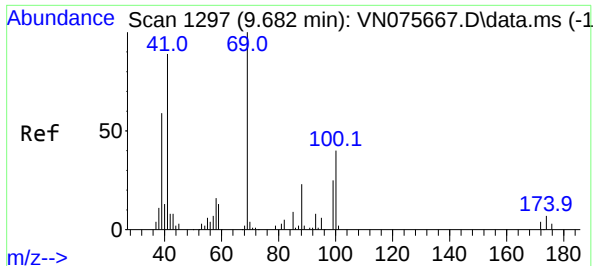
Tgt Ion:117 Resp: 23824
Ion Ratio Lower Upper
117 100
119 3.3 77.2 115.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 2.968 ug/l
RT: 8.771 min Scan# 1142
Delta R.T. 0.076 min
Lab File: VN075722.D
Acq: 12 Dec 2022 18:53

Tgt Ion: 43 Resp: 11982
Ion Ratio Lower Upper
43 100
61 0.0 23.8 35.8#
87 0.0 13.7 20.5#

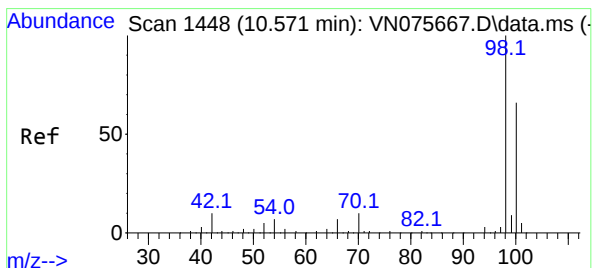
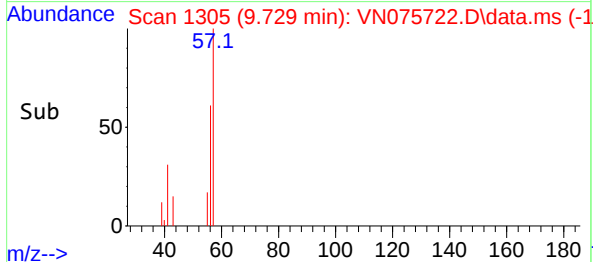
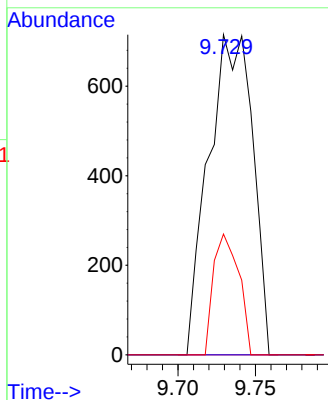
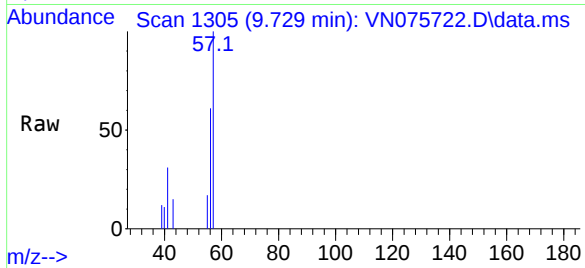




#48
Methyl methacrylate
Concen: 0.763 ug/l
RT: 9.729 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN075722.D
Acq: 12 Dec 2022 18:53

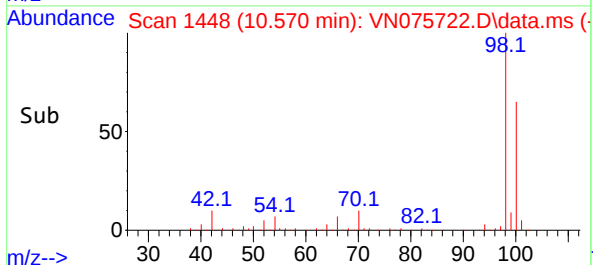
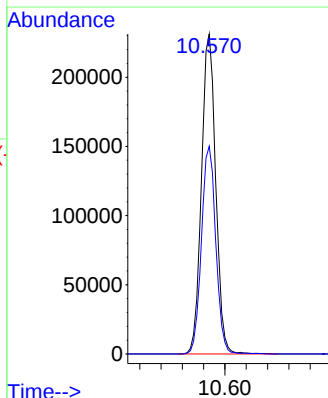
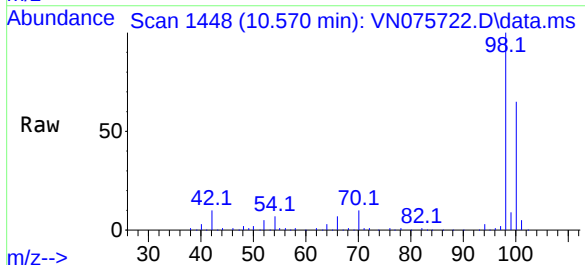
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-06

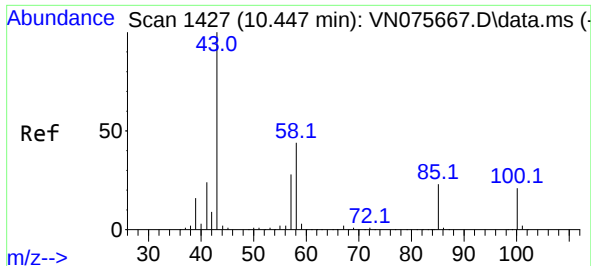
Tgt Ion: 41 Resp: 1418
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 21.7 53.2 79.8#



#50
Toluene-d8
Concen: 50.270 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075722.D
Acq: 12 Dec 2022 18:53

Tgt Ion: 98 Resp: 428164
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.307 ug/l

RT: 10.506 min Scan# 1427

Delta R.T. 0.059 min

Lab File: VN075722.D

Acq: 12 Dec 2022 18:53

Instrument :

MSVOA_N

ClientSampleId :

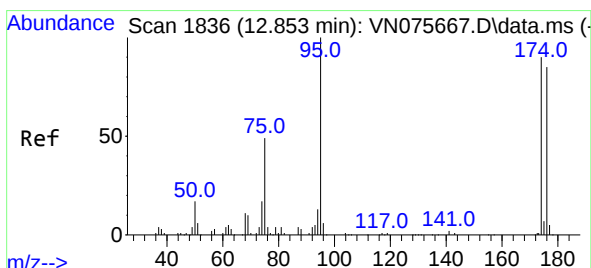
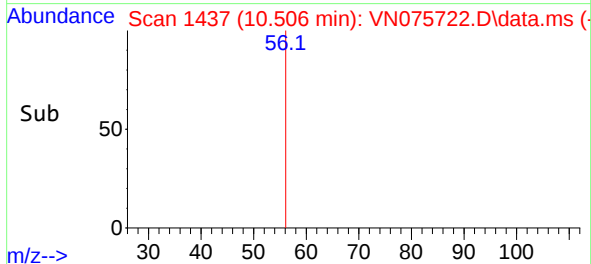
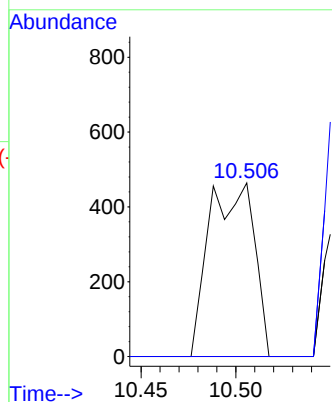
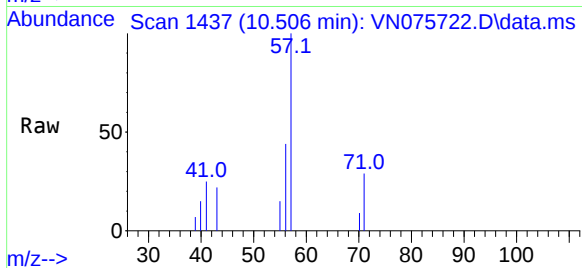
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Tgt Ion: 43 Resp: 764

Ion Ratio Lower Upper

43 100

58 0.0 35.0 52.6#



#62

4-Bromofluorobenzene

Concen: 45.016 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.000 min

Lab File: VN075722.D

Acq: 12 Dec 2022 18:53

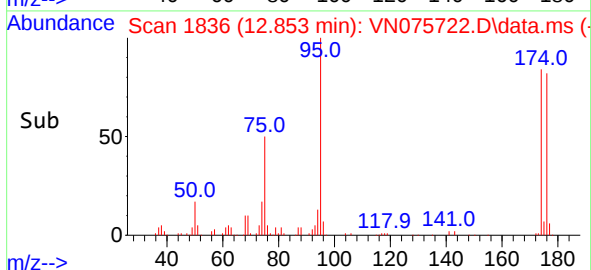
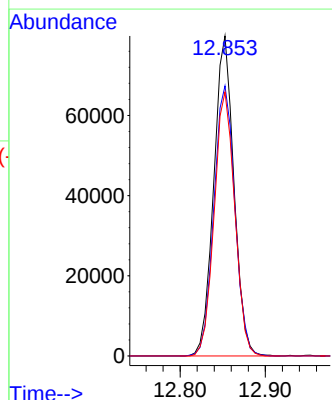
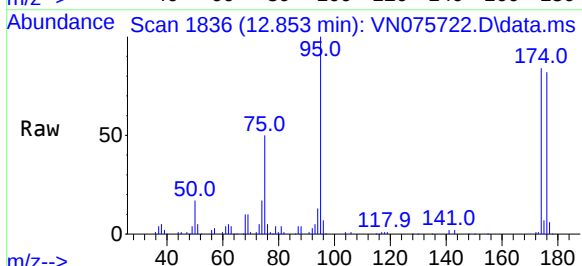
Tgt Ion: 95 Resp: 131092

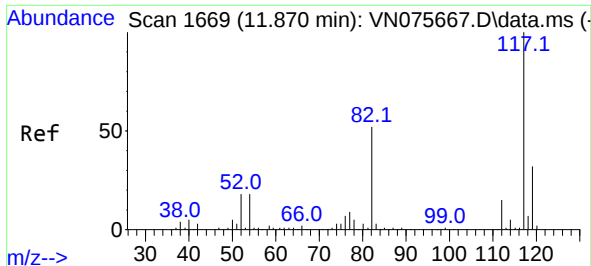
Ion Ratio Lower Upper

95 100

174 87.9 0.0 178.6

176 84.0 0.0 170.8

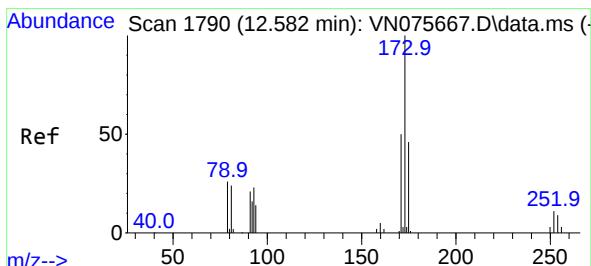
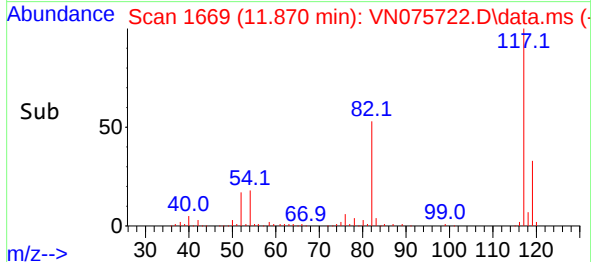
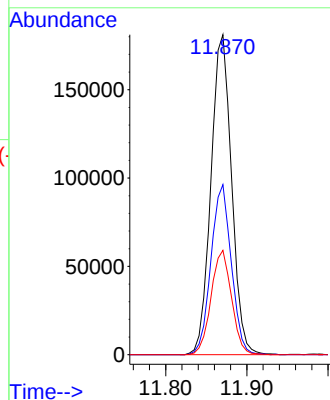
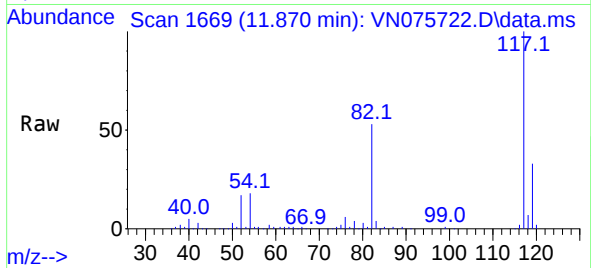




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN075722.D
Acq: 12 Dec 2022 18:53

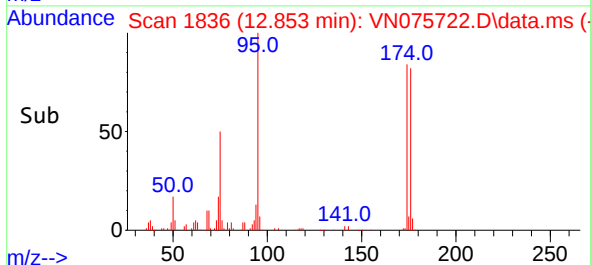
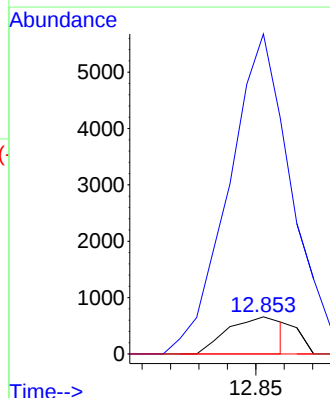
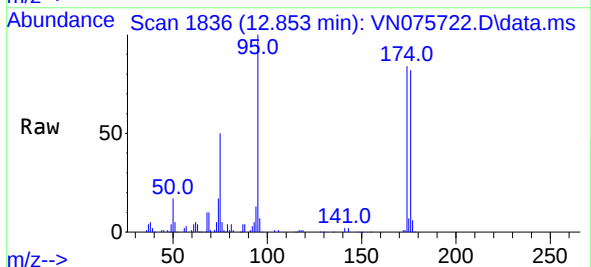
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-06

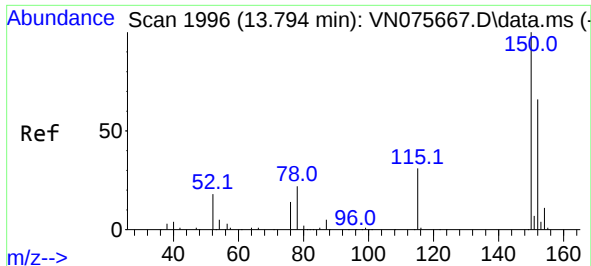
Tgt Ion:117 Resp: 319970
Ion Ratio Lower Upper
117 100
82 53.1 41.8 62.8
119 32.6 25.8 38.6



#71
Bromoform
Concen: 0.486 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075722.D
Acq: 12 Dec 2022 18:53

Tgt Ion:173 Resp: 883
Ion Ratio Lower Upper
173 100
175 816.3 23.8 71.2#
254 0.0 0.0 0.0

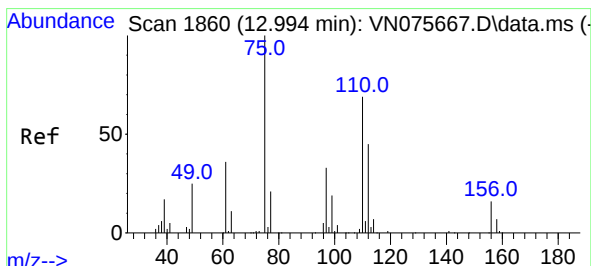
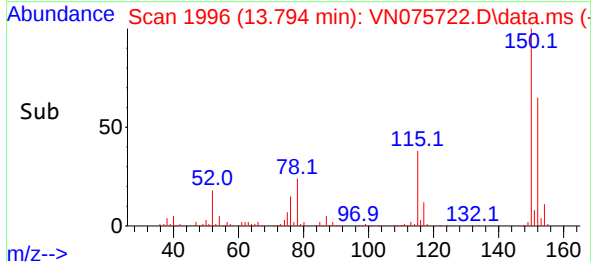
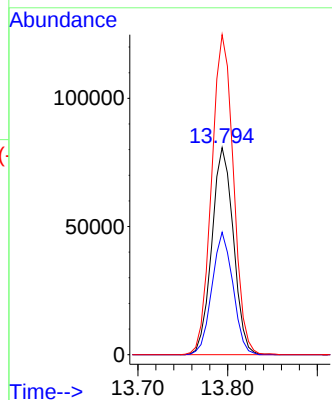
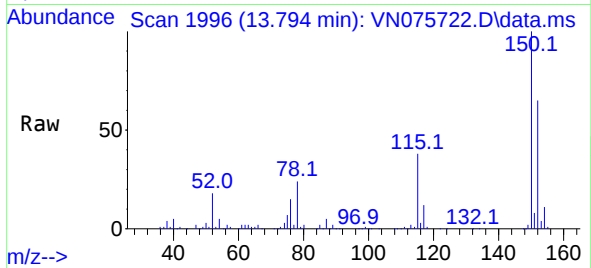




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075722.D
Acq: 12 Dec 2022 18:53

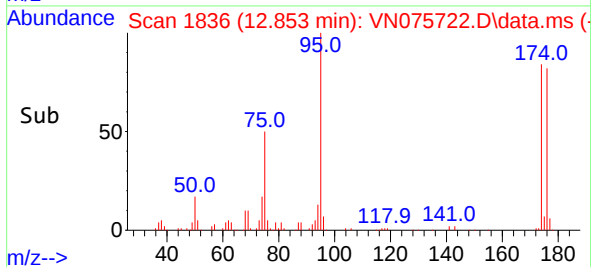
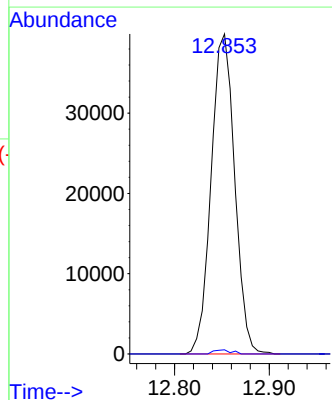
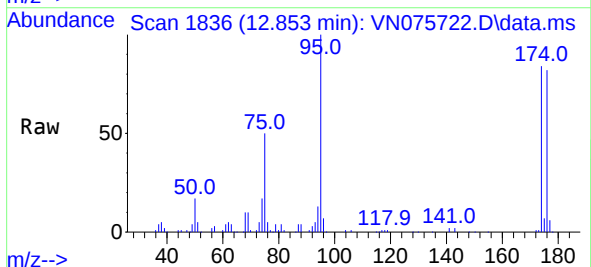
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-06

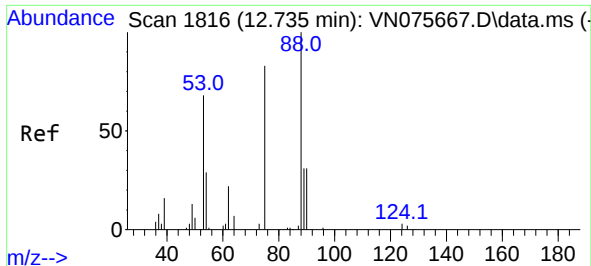
Tgt Ion:152 Resp: 134861
Ion Ratio Lower Upper
152 100
115 57.6 28.4 85.2
150 156.4 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 25.436 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075722.D
Acq: 12 Dec 2022 18:53

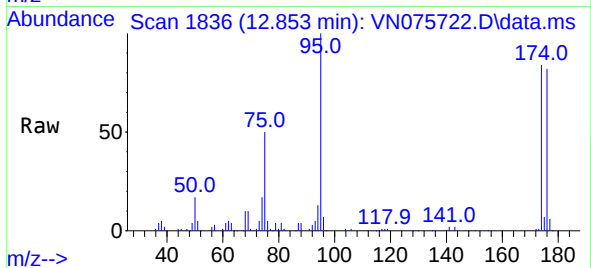
Tgt Ion: 75 Resp: 68890
Ion Ratio Lower Upper
75 100
77 1.0 81.8 245.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.108 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN075722.D
 Acq: 12 Dec 2022 18:53

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-06



Tgt Ion: 75 Resp: 68890
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.4 108.6#
 89 0.0 36.6 55.0#

