

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075726.D
 Acq On : 12 Dec 2022 20:29
 Operator : JC\MD
 Sample : N5978-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-10

Quant Time: Dec 13 01:35:19 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)

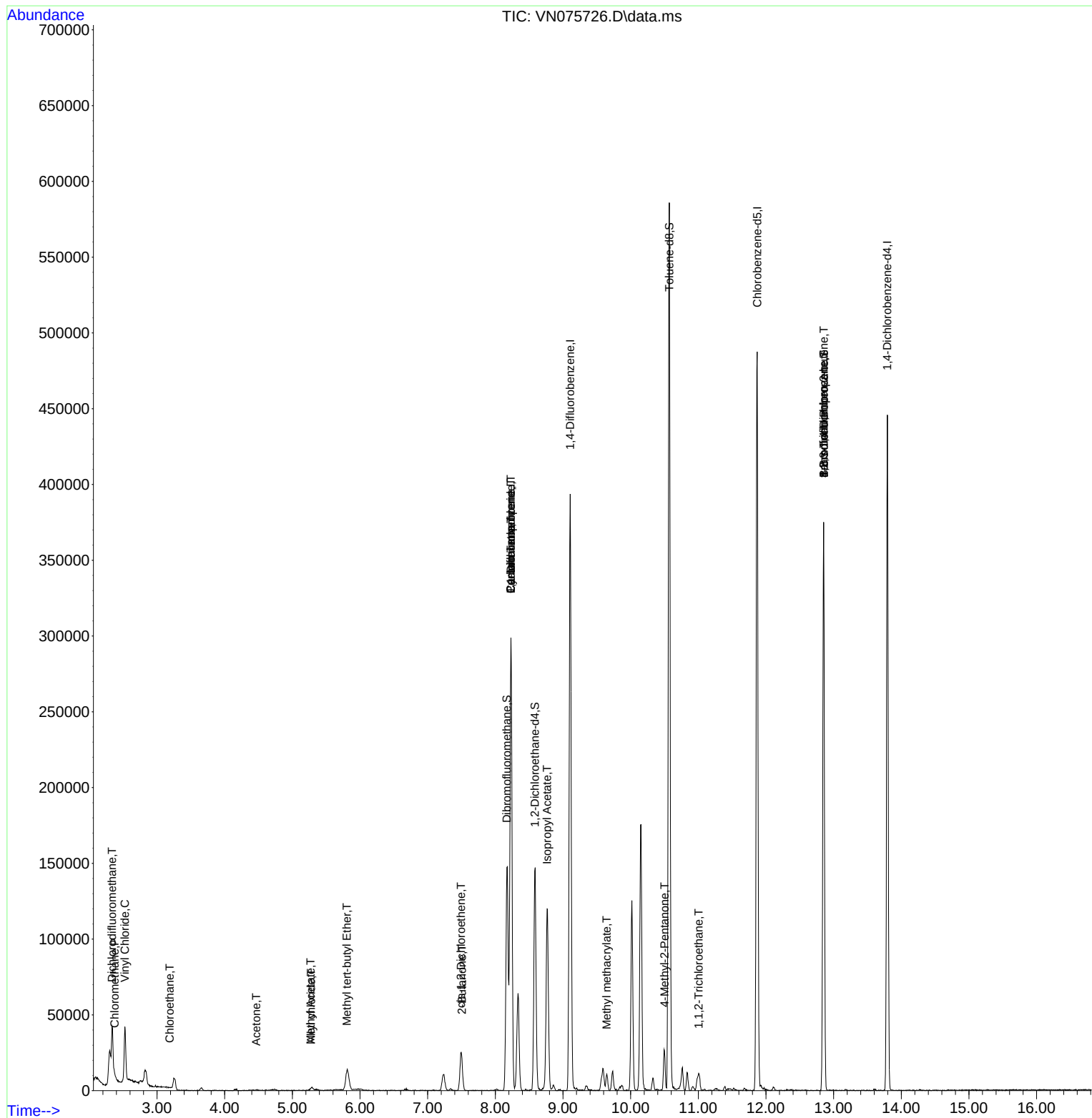
Internal Standards						
1) Pentafluorobenzene	8.230	168	230262	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	358670	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	301722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	125164	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	119080	48.741	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.480%
35) Dibromofluoromethane	8.171	113	108313	49.496	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.000%
50) Toluene-d8	10.571	98	413400	50.304	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.600%
62) 4-Bromofluorobenzene	12.853	95	125688	44.732	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.336	85	2826	1.669	ug/l	95
3) Chloromethane	2.371	50	509	0.252	ug/l #	40
4) Vinyl Chloride	2.524	62	19559	7.891	ug/l #	86
6) Chloroethane	3.189	64	476	0.257	ug/l #	43
14) Allyl chloride	5.277	41	807	0.329	ug/l #	43
16) Acetone	4.465	43	357	0.431	ug/l #	41
18) Methyl Acetate	5.271	43	850	0.320	ug/l #	44
19) Methyl tert-butyl Ether	5.806	73	20171	3.040	ug/l #	89
25) 2-Butanone	7.506	43	285	0.236	ug/l #	43
27) cis-1,2-Dichloroethene	7.494	96	16727	6.250	ug/l	92
31) Cyclohexane	8.230	56	4651	1.286	ug/l #	17
36) 1,1-Dichloropropene	8.230	75	15733	5.414	ug/l #	50
38) Carbon Tetrachloride	8.230	117	23002	6.860	ug/l #	15
43) Isopropyl Acetate	8.765	43	21872	5.616	ug/l #	51
48) Methyl methacrylate	9.647	41	2199	1.226	ug/l #	37
51) 4-Methyl-2-Pentanone	10.500	43	2534	1.055	ug/l #	71
55) 1,1,2-Trichloroethane	11.006	97	2628	1.134	ug/l #	37
71) Bromoform	12.853	173	963	0.562	ug/l #	29
76) 1,2,3-Trichloropropane	12.853	75	63357	25.206	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	63357	80.397	ug/l #	13

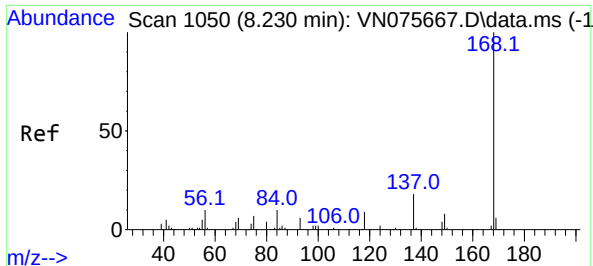
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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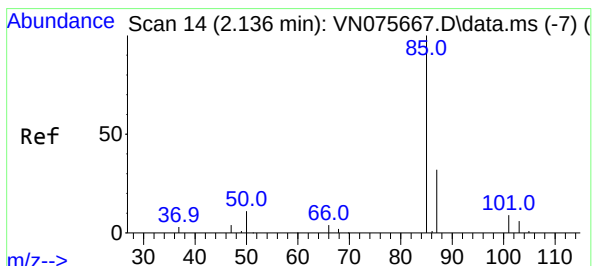
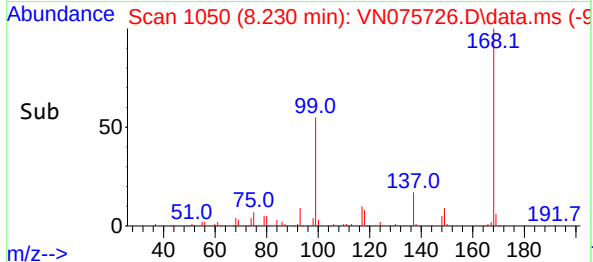
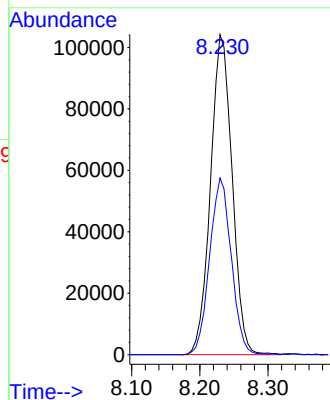
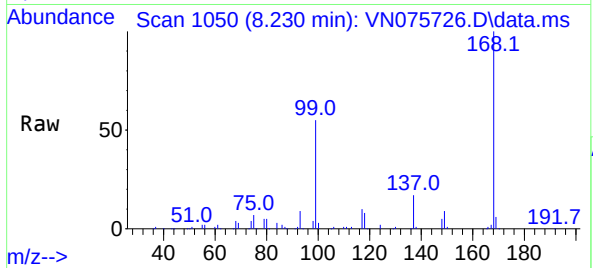




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075726.D
Acq: 12 Dec 2022 20:29

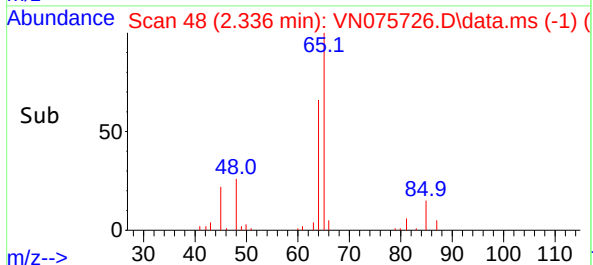
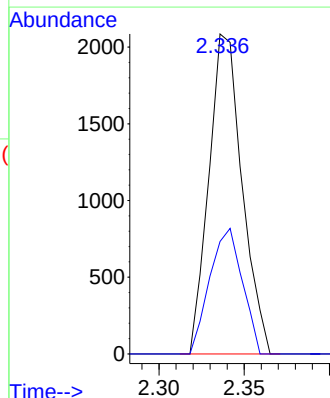
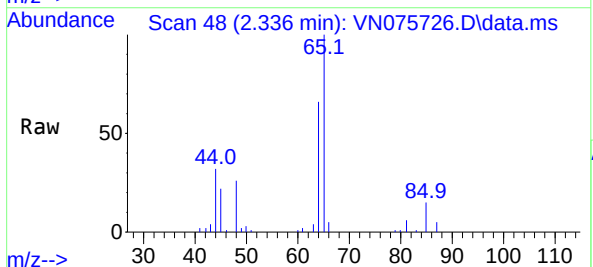
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-10

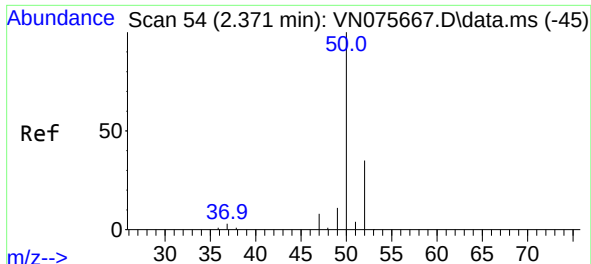
Tgt Ion:168 Resp: 230262
Ion Ratio Lower Upper
168 100
99 55.2 41.2 61.8



#2
Dichlorodifluoromethane
Concen: 1.669 ug/l
RT: 2.336 min Scan# 48
Delta R.T. 0.200 min
Lab File: VN075726.D
Acq: 12 Dec 2022 20:29

Tgt Ion: 85 Resp: 2826
Ion Ratio Lower Upper
85 100
87 35.1 16.1 48.2

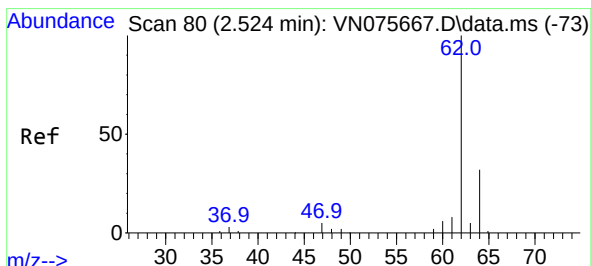
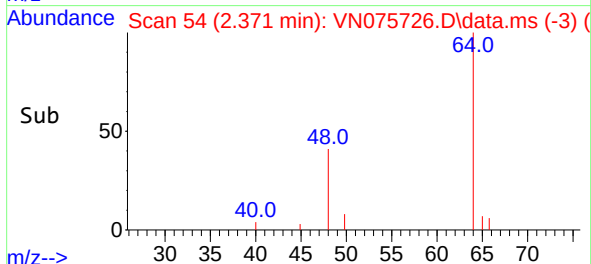
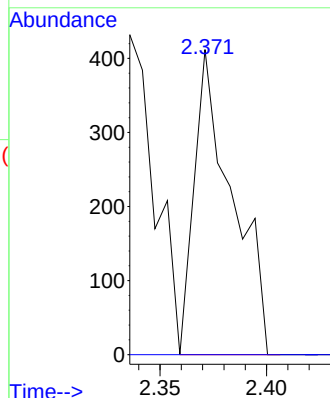
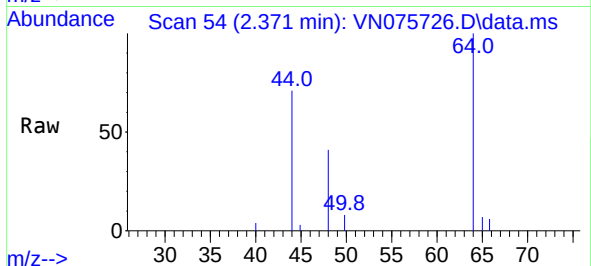




#3
Chloromethane
Concen: 0.252 ug/l
RT: 2.371 min Scan# 54
Delta R.T. 0.000 min
Lab File: VN075726.D
Acq: 12 Dec 2022 20:29

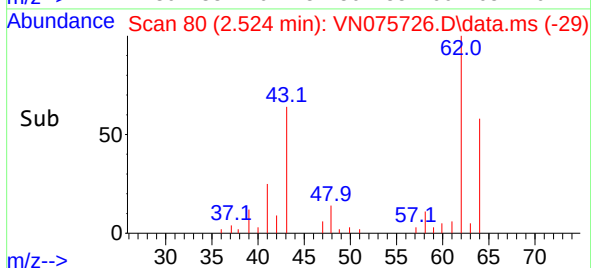
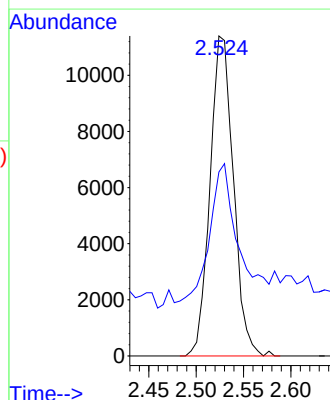
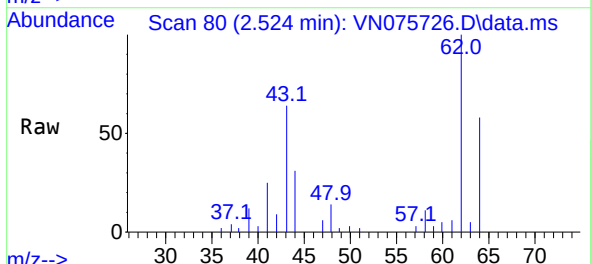
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TOLL-MW-10

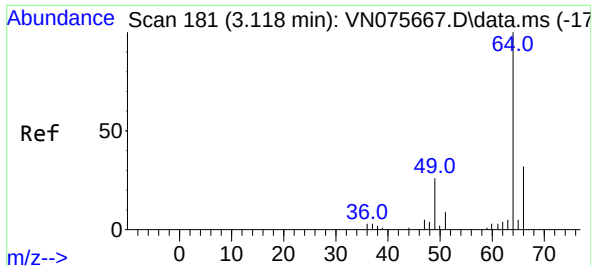
Tgt Ion: 50 Resp: 509
Ion Ratio Lower Upper
50 100
52 0.0 27.9 41.9#



#4
Vinyl Chloride
Concen: 7.891 ug/l
RT: 2.524 min Scan# 80
Delta R.T. 0.000 min
Lab File: VN075726.D
Acq: 12 Dec 2022 20:29

Tgt Ion: 62 Resp: 19559
Ion Ratio Lower Upper
62 100
64 40.4 25.9 38.9#

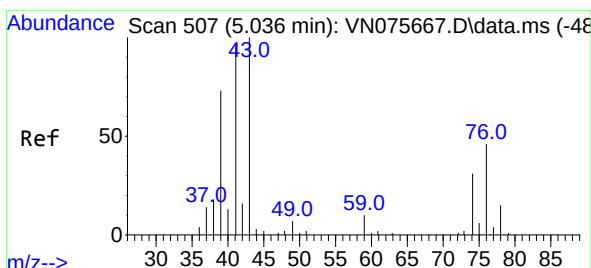
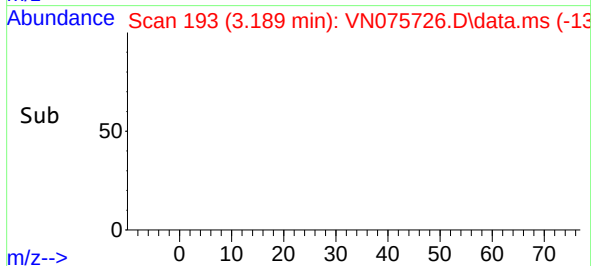
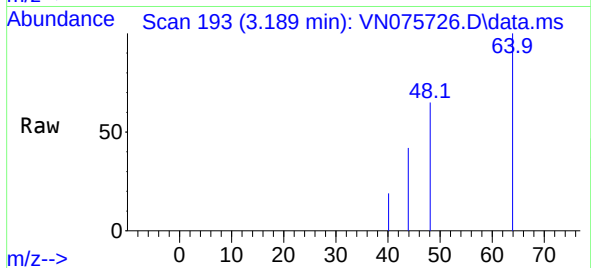




#6
Chloroethane
Concen: 0.257 ug/l
RT: 3.189 min Scan# 11
Delta R.T. 0.071 min
Lab File: VN075726.D
Acq: 12 Dec 2022 20:29

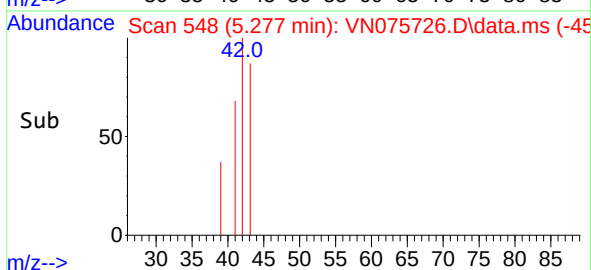
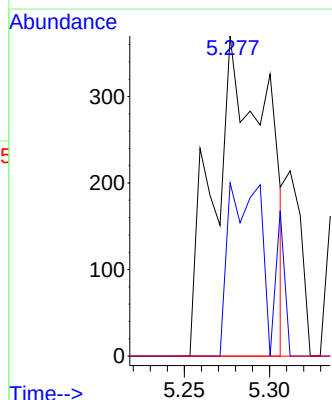
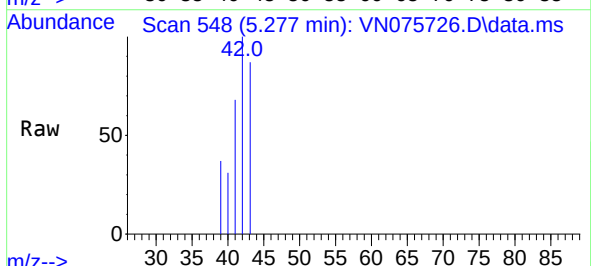
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MSVOA_N
ClientSampleId :
TOLL-MW-10

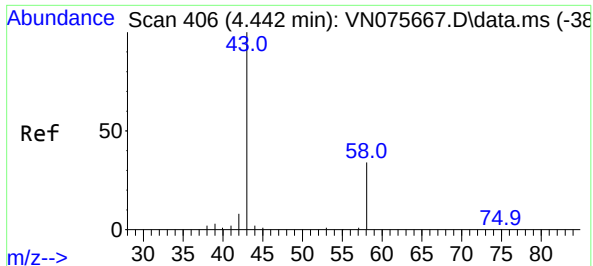
Tgt Ion: 64 Resp: 476
Ion Ratio Lower Upper
64 100
66 0.0 25.7 38.5#



#14
Allyl chloride
Concen: 0.329 ug/l
RT: 5.277 min Scan# 548
Delta R.T. 0.241 min
Lab File: VN075726.D
Acq: 12 Dec 2022 20:29

Tgt Ion: 41 Resp: 807
Ion Ratio Lower Upper
41 100
39 39.5 64.6 96.8#
76 0.0 40.9 61.3#





#16

Acetone

Concen: 0.431 ug/l

RT: 4.465 min Scan# 410

Delta R.T. 0.024 min

Lab File: VN075726.D

Acq: 12 Dec 2022 20:29

Instrument :

MSVOA_N

ClientSampleId :

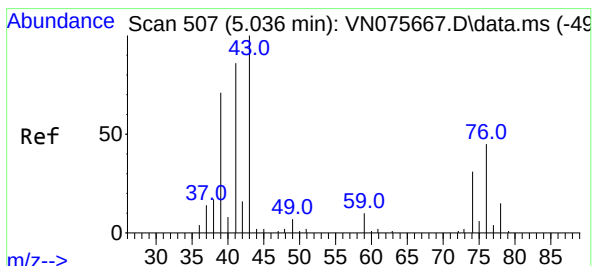
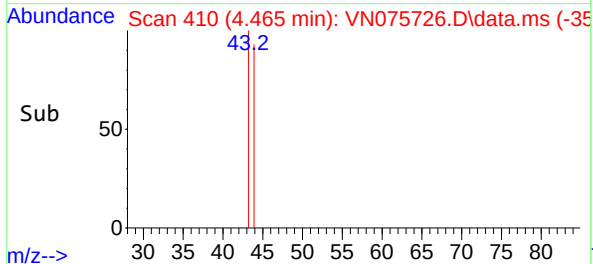
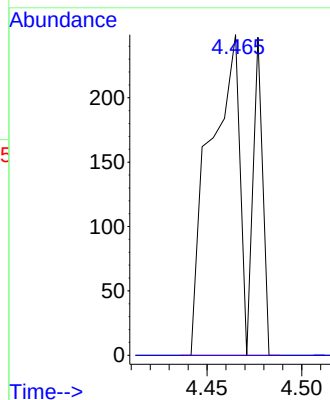
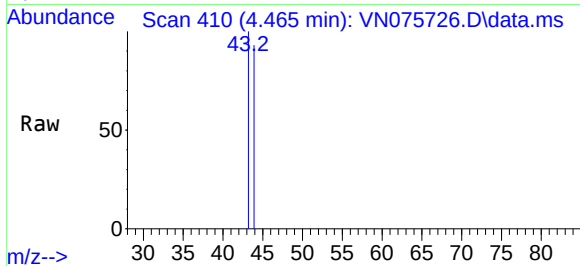
TOLL-MW-10

Tgt Ion: 43 Resp: 357

Ion Ratio Lower Upper

43 100

58 0.0 27.0 40.4#



#18

Methyl Acetate

Concen: 0.320 ug/l

RT: 5.271 min Scan# 547

Delta R.T. 0.235 min

Lab File: VN075726.D

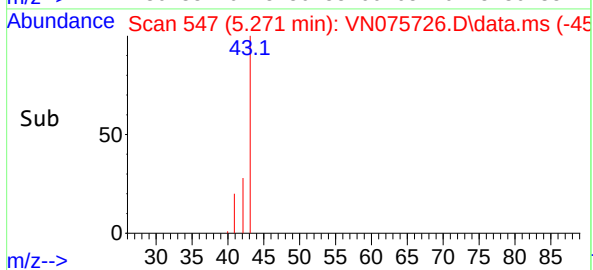
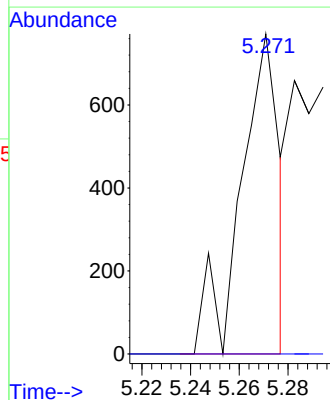
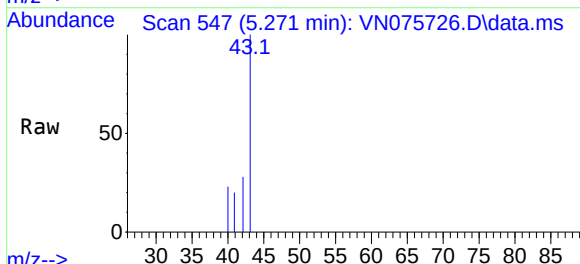
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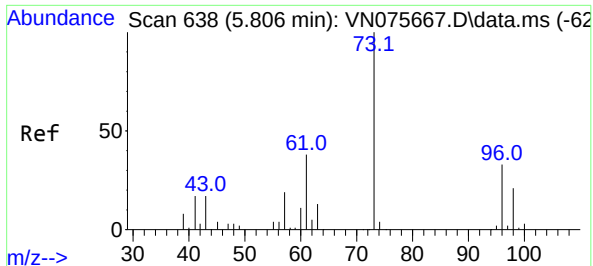
Tgt Ion: 43 Resp: 850

Ion Ratio Lower Upper

43 100

74 0.0 24.5 36.7#

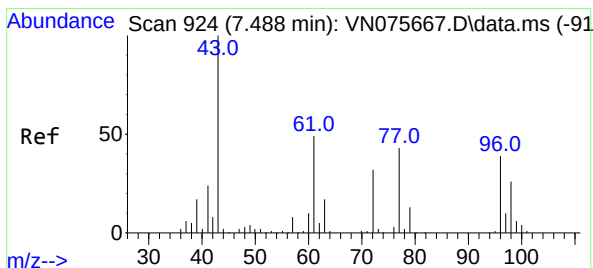
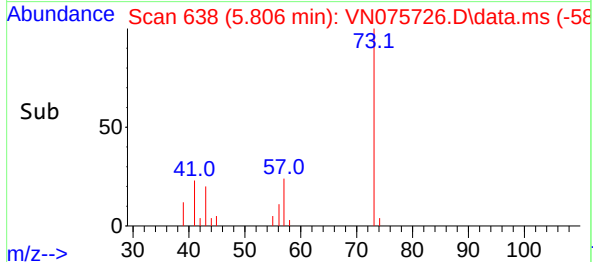
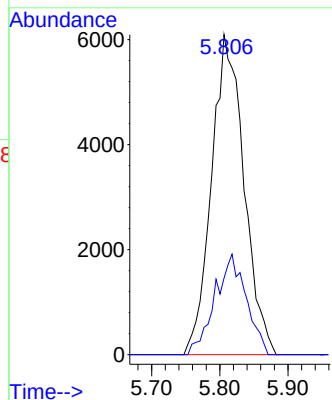
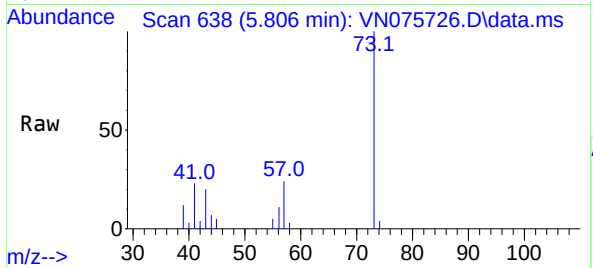




#19
Methyl tert-butyl Ether
Concen: 3.040 ug/l
RT: 5.806 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN075726.D
Acq: 12 Dec 2022 20:29

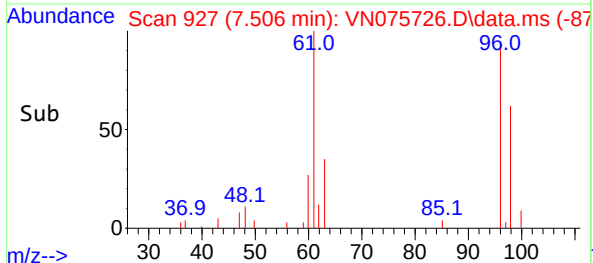
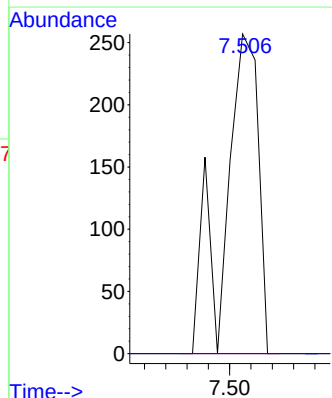
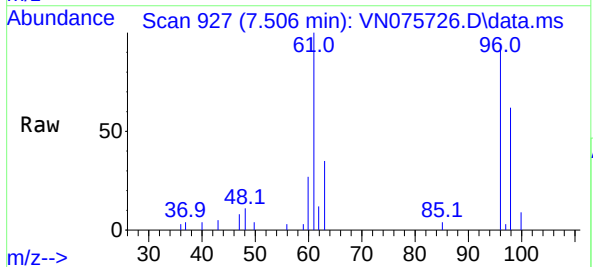
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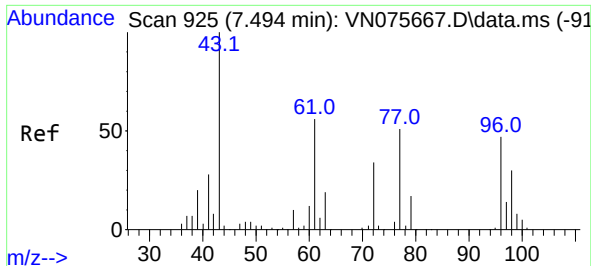
Tgt Ion: 73 Resp: 20171
Ion Ratio Lower Upper
73 100
57 24.0 15.1 22.7#



#25
2-Butanone
Concen: 0.236 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.018 min
Lab File: VN075726.D
Acq: 12 Dec 2022 20:29

Tgt Ion: 43 Resp: 285
Ion Ratio Lower Upper
43 100
72 0.0 25.3 37.9#

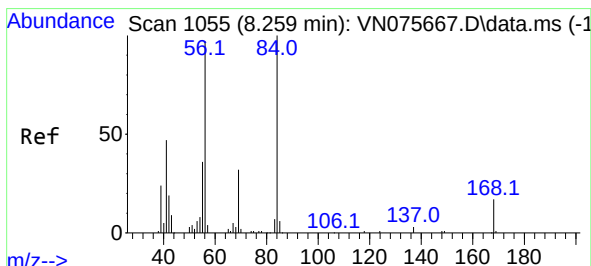
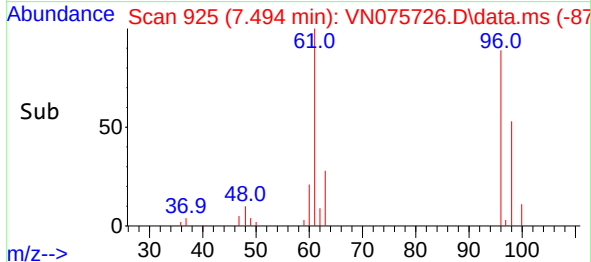
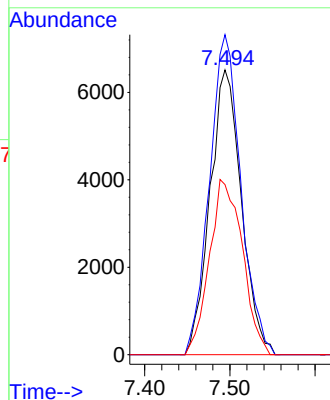
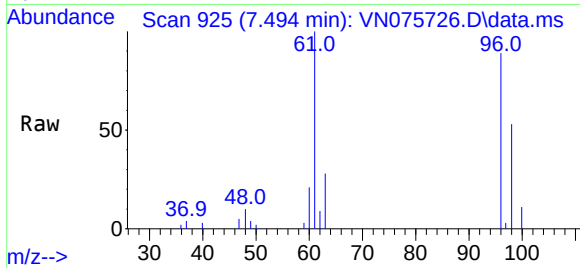




#27
 cis-1,2-Dichloroethene
 Concen: 6.250 ug/l
 RT: 7.494 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VN075726.D
 Acq: 12 Dec 2022 20:29

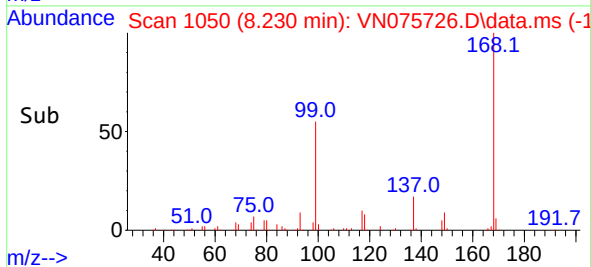
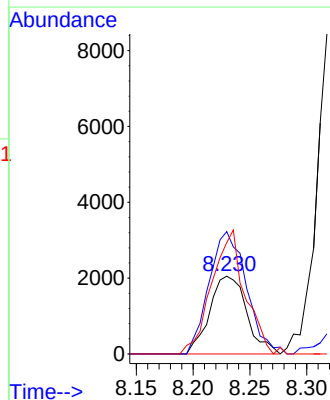
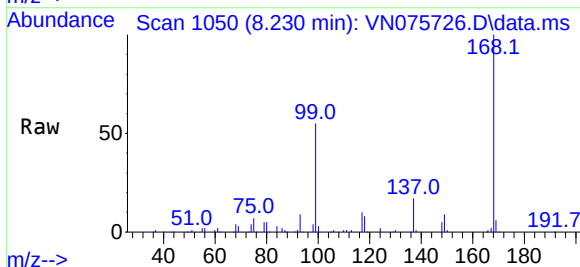
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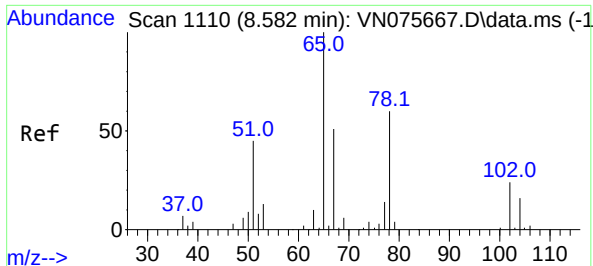
Tgt Ion: 96 Resp: 16727
 Ion Ratio Lower Upper
 96 100
 61 111.7 0.0 247.8
 98 64.5 0.0 126.0



#31
 Cyclohexane
 Concen: 1.286 ug/l
 RT: 8.230 min Scan# 1050
 Delta R.T. -0.029 min
 Lab File: VN075726.D
 Acq: 12 Dec 2022 20:29

Tgt Ion: 56 Resp: 4651
 Ion Ratio Lower Upper
 56 100
 69 157.4 26.2 39.2#
 84 143.2 82.8 124.2#

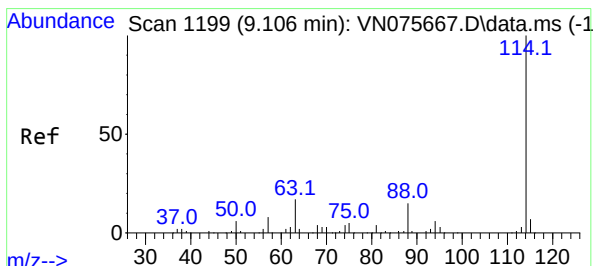
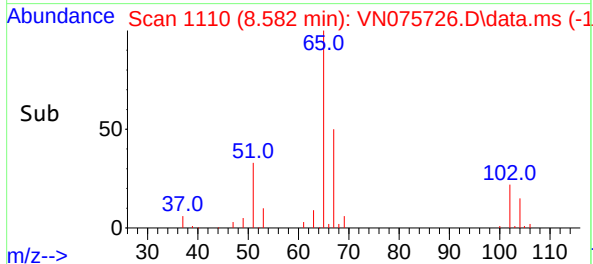
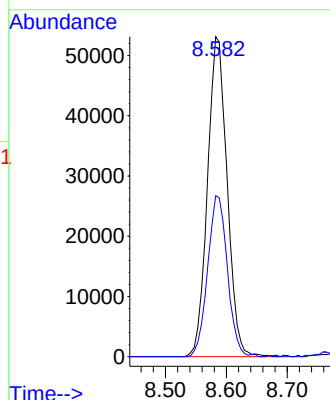
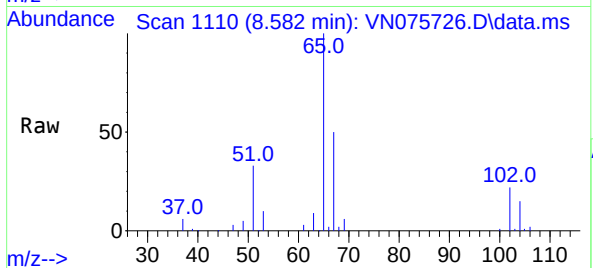




#33
1,2-Dichloroethane-d4
Concen: 48.741 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN075726.D
Acq: 12 Dec 2022 20:29

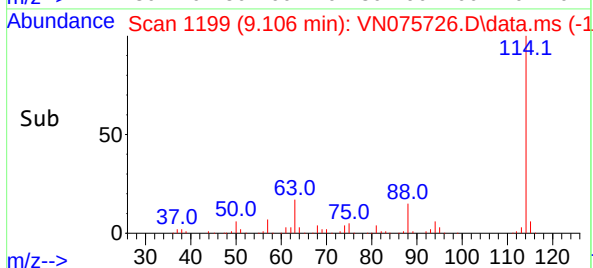
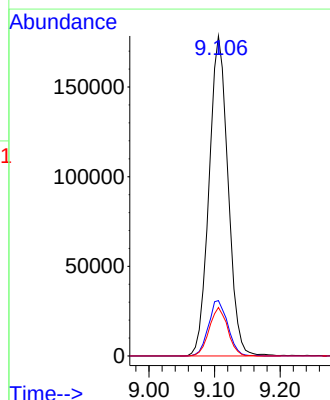
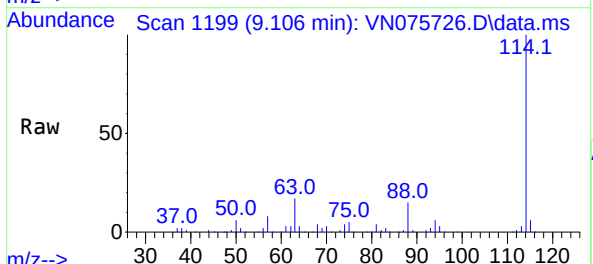
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-10

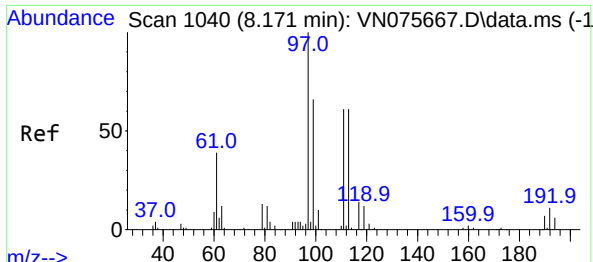
Tgt Ion: 65 Resp: 119080
Ion Ratio Lower Upper
65 100
67 50.6 0.0 104.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075726.D
Acq: 12 Dec 2022 20:29

Tgt Ion: 114 Resp: 358670
Ion Ratio Lower Upper
114 100
63 17.3 0.0 34.4
88 15.2 0.0 29.2

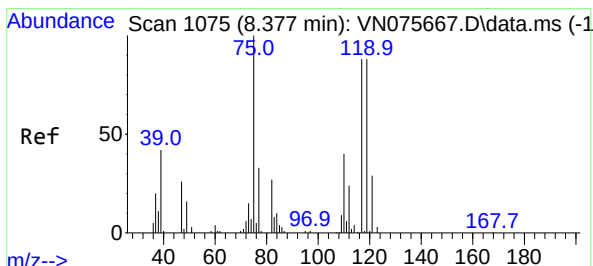
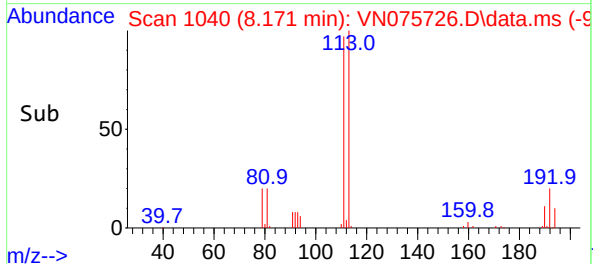
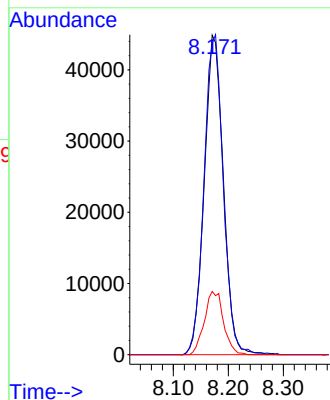
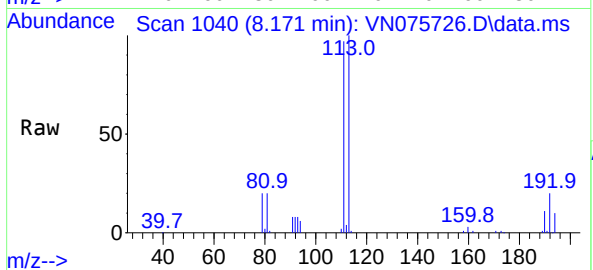




#35
Dibromofluoromethane
Concen: 49.496 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN075726.D
Acq: 12 Dec 2022 20:29

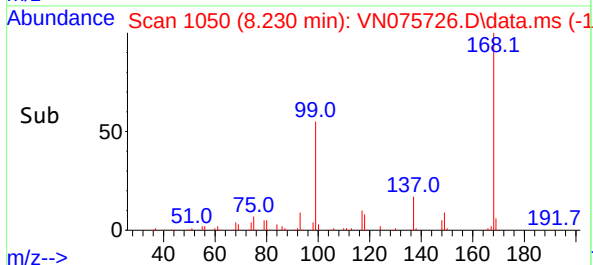
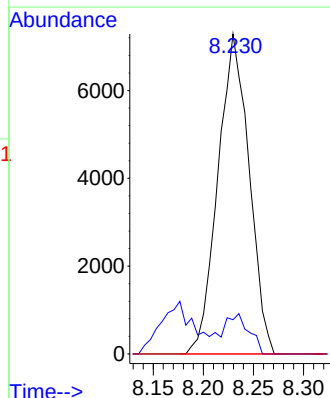
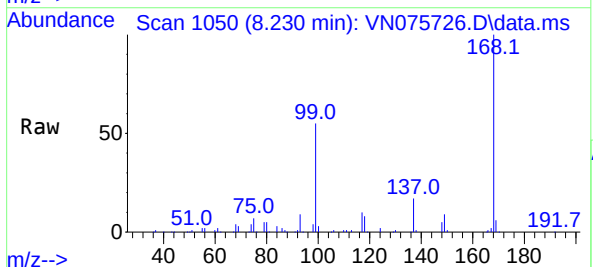
Instrument :
MSVOA_N
ClientSampleId :
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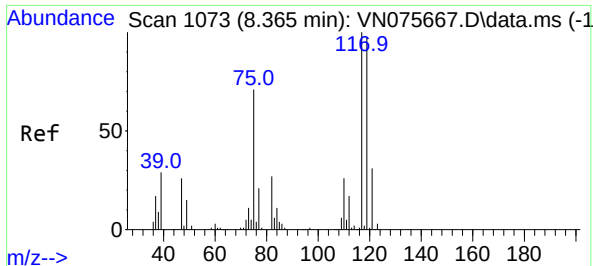
Tgt Ion:113 Resp: 108313
Ion Ratio Lower Upper
113 100
111 100.8 81.0 121.6
192 19.8 16.2 24.2



#36
1,1-Dichloropropene
Concen: 5.414 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075726.D
Acq: 12 Dec 2022 20:29

Tgt Ion: 75 Resp: 15733
Ion Ratio Lower Upper
75 100
110 10.9 18.9 56.9#
77 0.0 25.4 38.2#

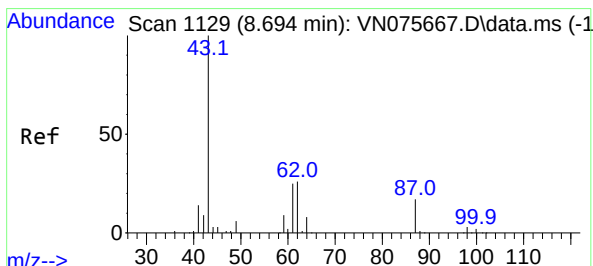
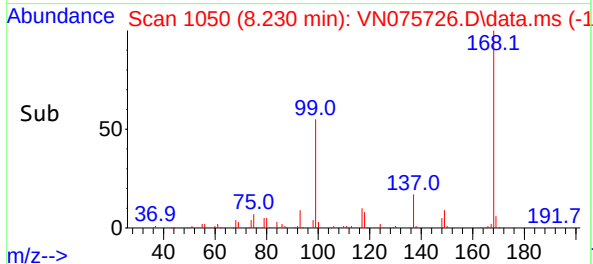
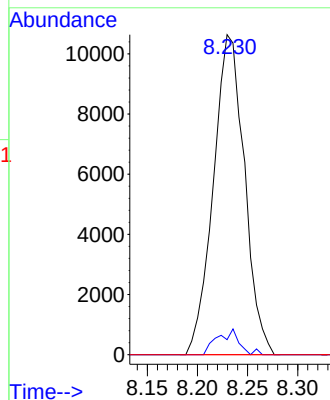
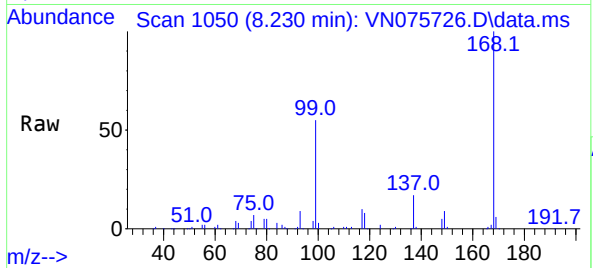




#38
Carbon Tetrachloride
Concen: 6.860 ug/l
RT: 8.230 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN075726.D
Acq: 12 Dec 2022 20:29

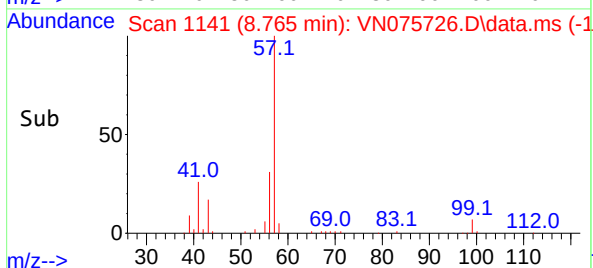
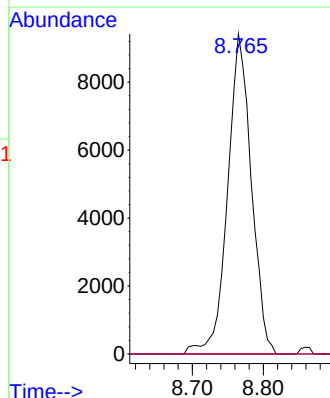
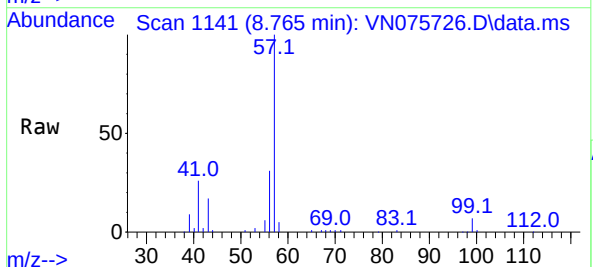
Instrument :
MSVOA_N
ClientSampleId :
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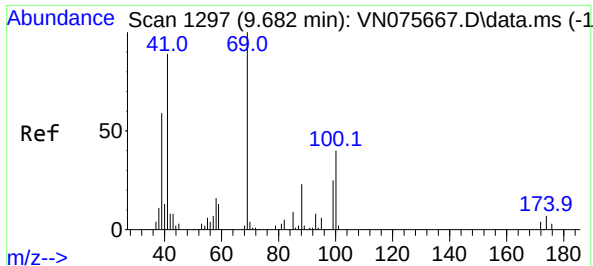
Tgt Ion:117 Resp: 23002
Ion Ratio Lower Upper
117 100
119 4.7 77.2 115.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 5.616 ug/l
RT: 8.765 min Scan# 1141
Delta R.T. 0.071 min
Lab File: VN075726.D
Acq: 12 Dec 2022 20:29

Tgt Ion: 43 Resp: 21872
Ion Ratio Lower Upper
43 100
61 0.0 23.8 35.8#
87 0.0 13.7 20.5#

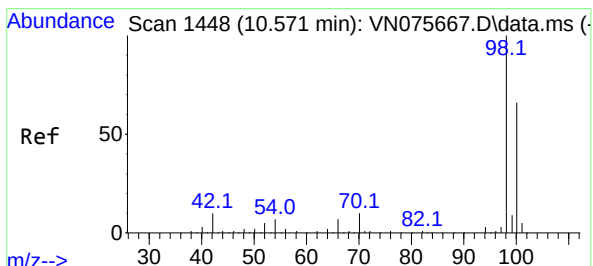
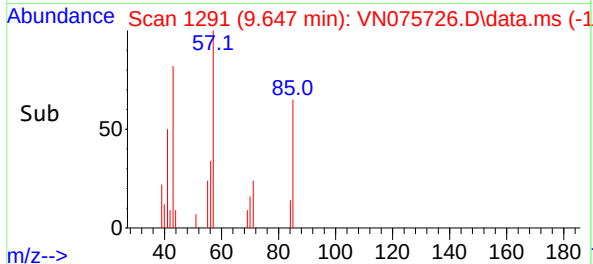
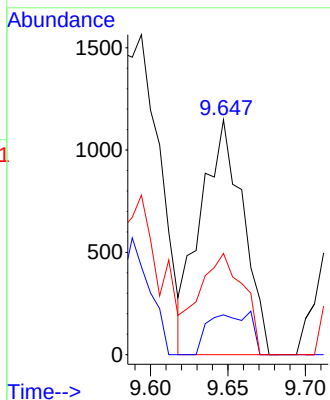
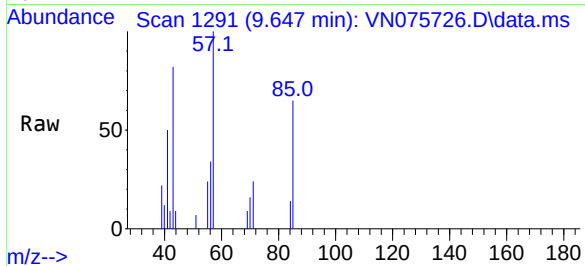




#48
Methyl methacrylate
Concen: 1.226 ug/l
RT: 9.647 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN075726.D
Acq: 12 Dec 2022 20:29

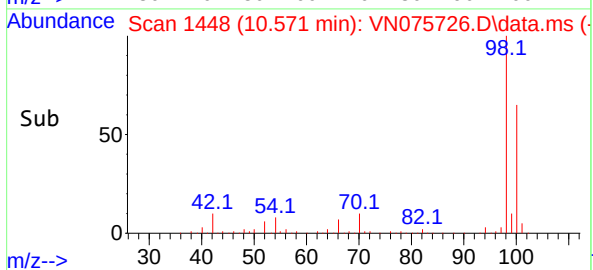
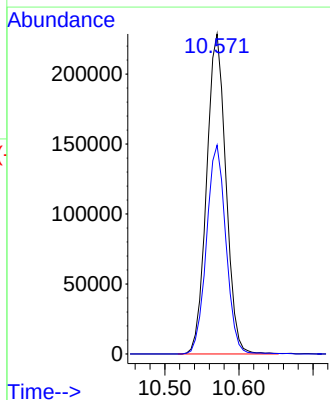
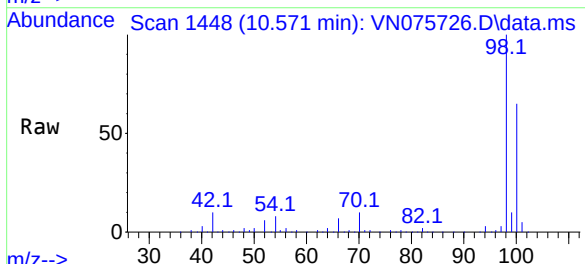
Instrument :
MSVOA_N
ClientSampleId :
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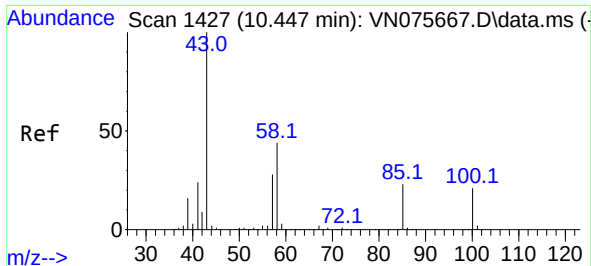
Tgt Ion: 41 Resp: 2199
Ion Ratio Lower Upper
41 100
69 17.5 82.5 123.7#
39 41.7 53.2 79.8#



#50
Toluene-d8
Concen: 50.304 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075726.D
Acq: 12 Dec 2022 20:29

Tgt Ion: 98 Resp: 413400
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8

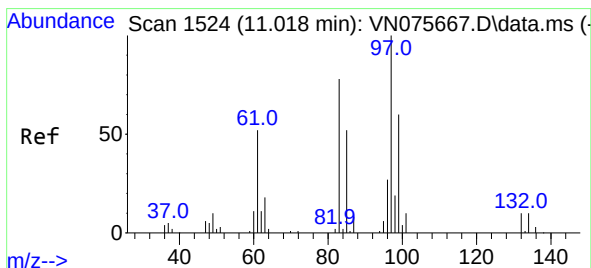
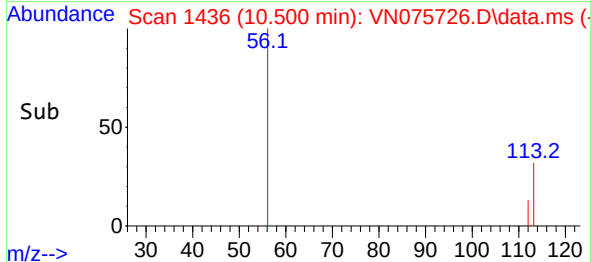
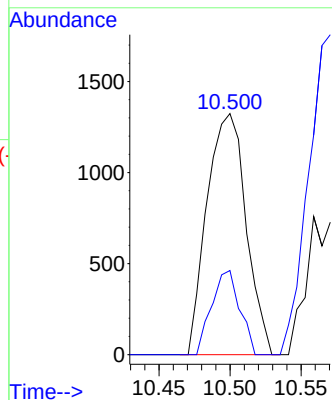
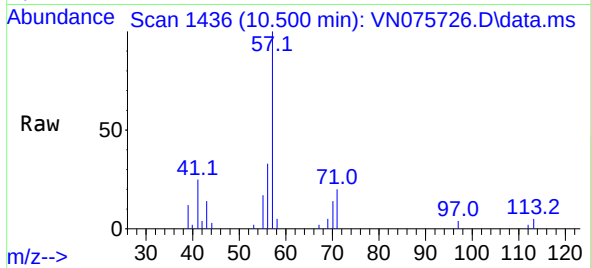




#51
4-Methyl-2-Pentanone
Concen: 1.055 ug/l
RT: 10.500 min Scan# 14
Delta R.T. 0.053 min
Lab File: VN075726.D
Acq: 12 Dec 2022 20:29

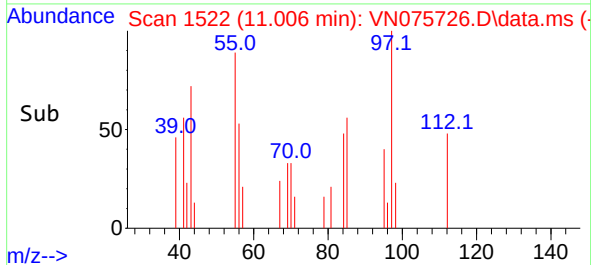
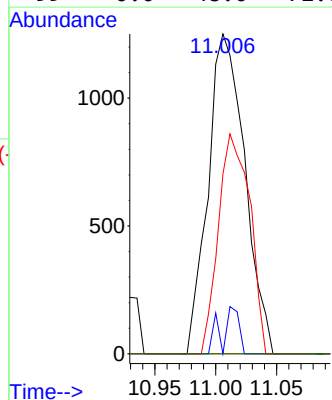
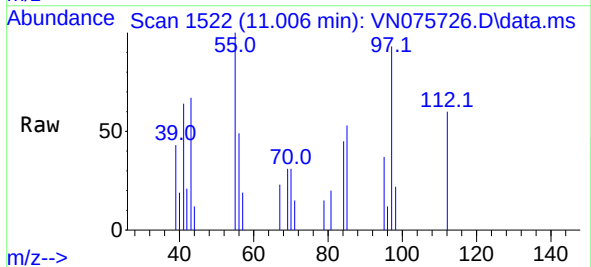
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-10

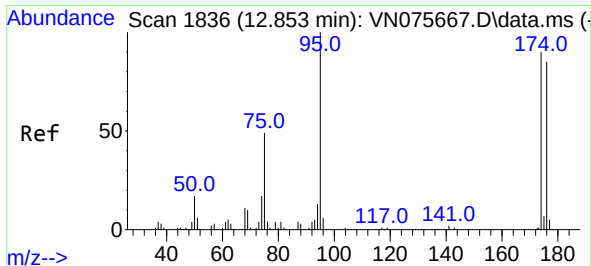
Tgt Ion: 43 Resp: 2534
Ion Ratio Lower Upper
43 100
58 25.1 35.0 52.6#



#55
1,1,2-Trichloroethane
Concen: 1.134 ug/l
RT: 11.006 min Scan# 1522
Delta R.T. -0.012 min
Lab File: VN075726.D
Acq: 12 Dec 2022 20:29

Tgt Ion: 97 Resp: 2628
Ion Ratio Lower Upper
97 100
83 0.0 62.7 94.1#
85 56.2 41.8 62.6
99 0.0 48.0 72.0#

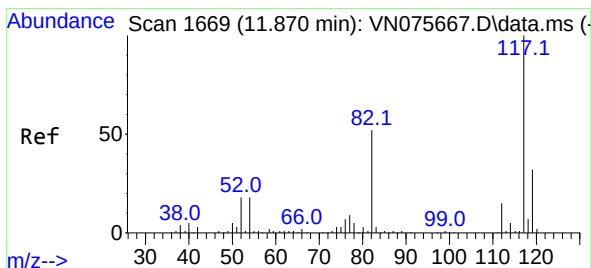
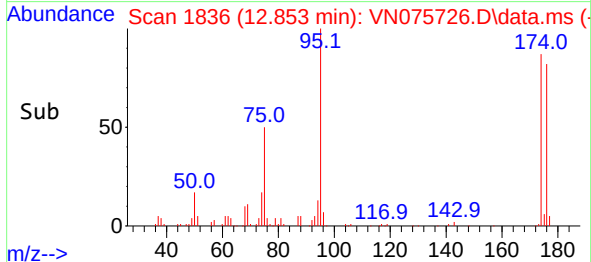
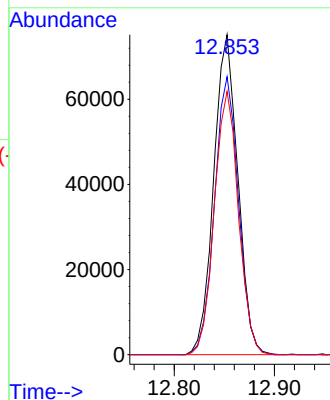
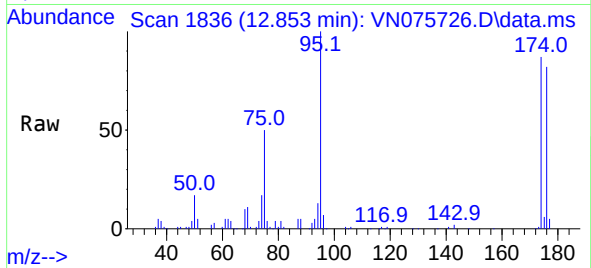




#62
4-Bromofluorobenzene
Concen: 44.732 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075726.D
Acq: 12 Dec 2022 20:29

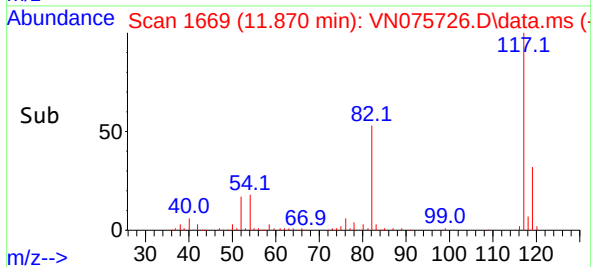
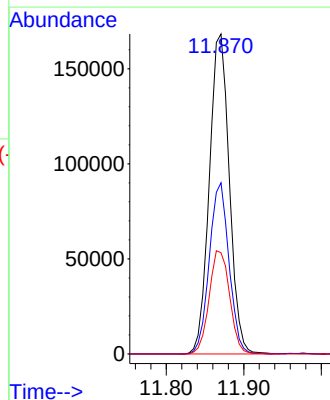
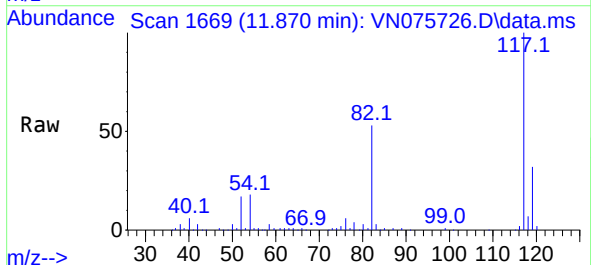
Instrument :
MSVOA_N
ClientSampleId :
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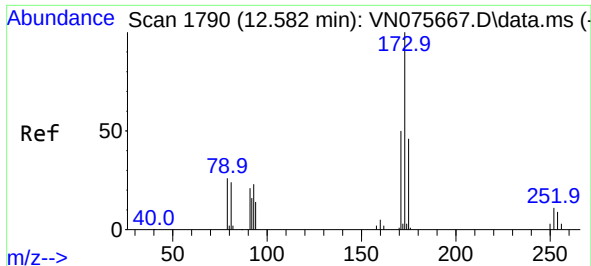
Tgt Ion: 95 Resp: 125688
Ion Ratio Lower Upper
95 100
174 86.5 0.0 178.6
176 82.2 0.0 170.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VN075726.D
Acq: 12 Dec 2022 20:29

Tgt Ion: 117 Resp: 301722
Ion Ratio Lower Upper
117 100
82 53.5 41.8 62.8
119 31.7 25.8 38.6

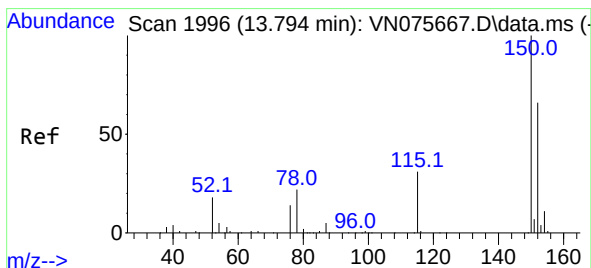
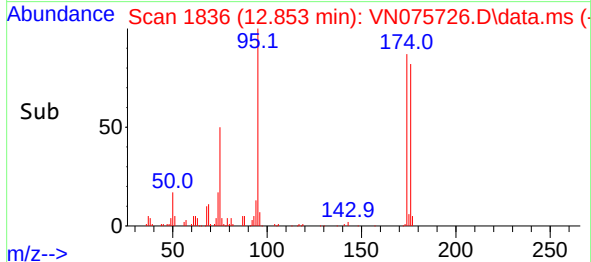
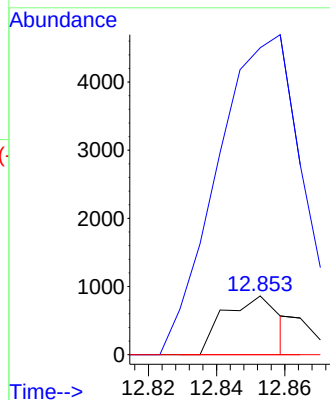
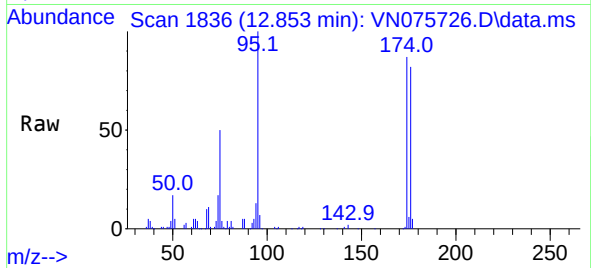




#71
Bromoform
Concen: 0.562 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075726.D
Acq: 12 Dec 2022 20:29

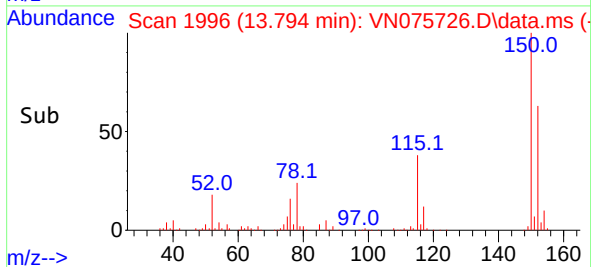
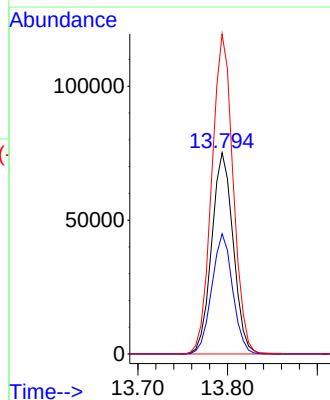
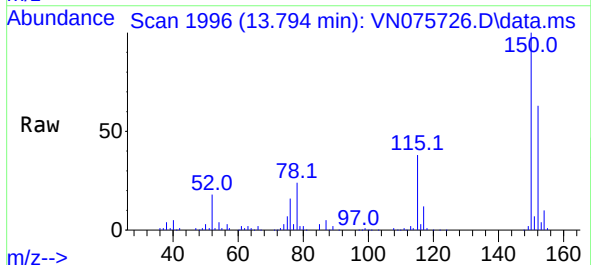
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-10

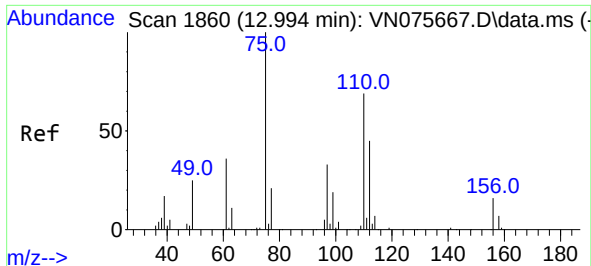
Tgt Ion:173 Resp: 963
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075726.D
Acq: 12 Dec 2022 20:29

Tgt Ion:152 Resp: 125164
Ion Ratio Lower Upper
152 100
115 57.9 28.4 85.2
150 157.9 0.0 347.6

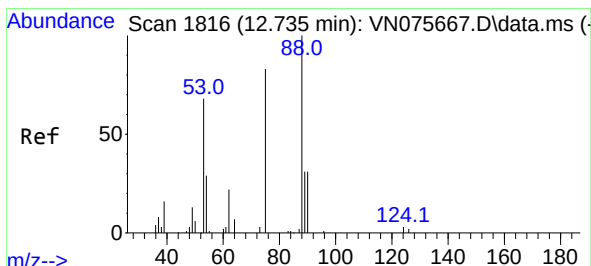
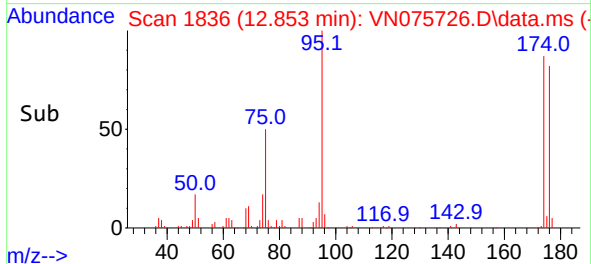
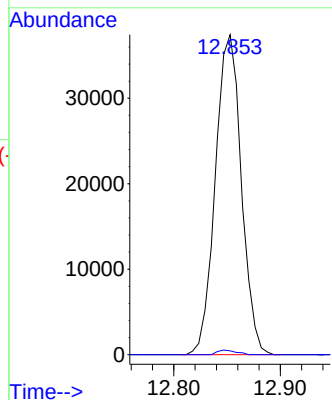
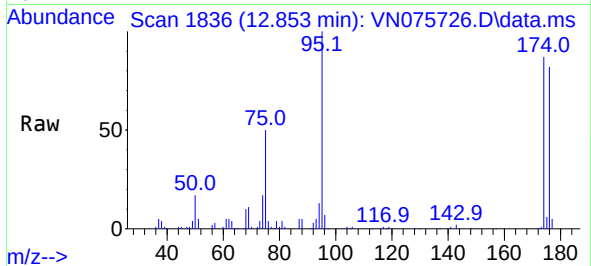




#76
1,2,3-Trichloropropane
Concen: 25.206 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075726.D
Acq: 12 Dec 2022 20:29

Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-10

Tgt Ion: 75 Resp: 63357
Ion Ratio Lower Upper
75 100
77 1.0 81.8 245.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.397 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075726.D
Acq: 12 Dec 2022 20:29

Tgt Ion: 75 Resp: 63357
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 36.6 55.0#

