

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075723.D
 Acq On : 12 Dec 2022 19:17
 Operator : JC\MD
 Sample : N5978-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-07

Quant Time: Dec 13 01:34:53 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)

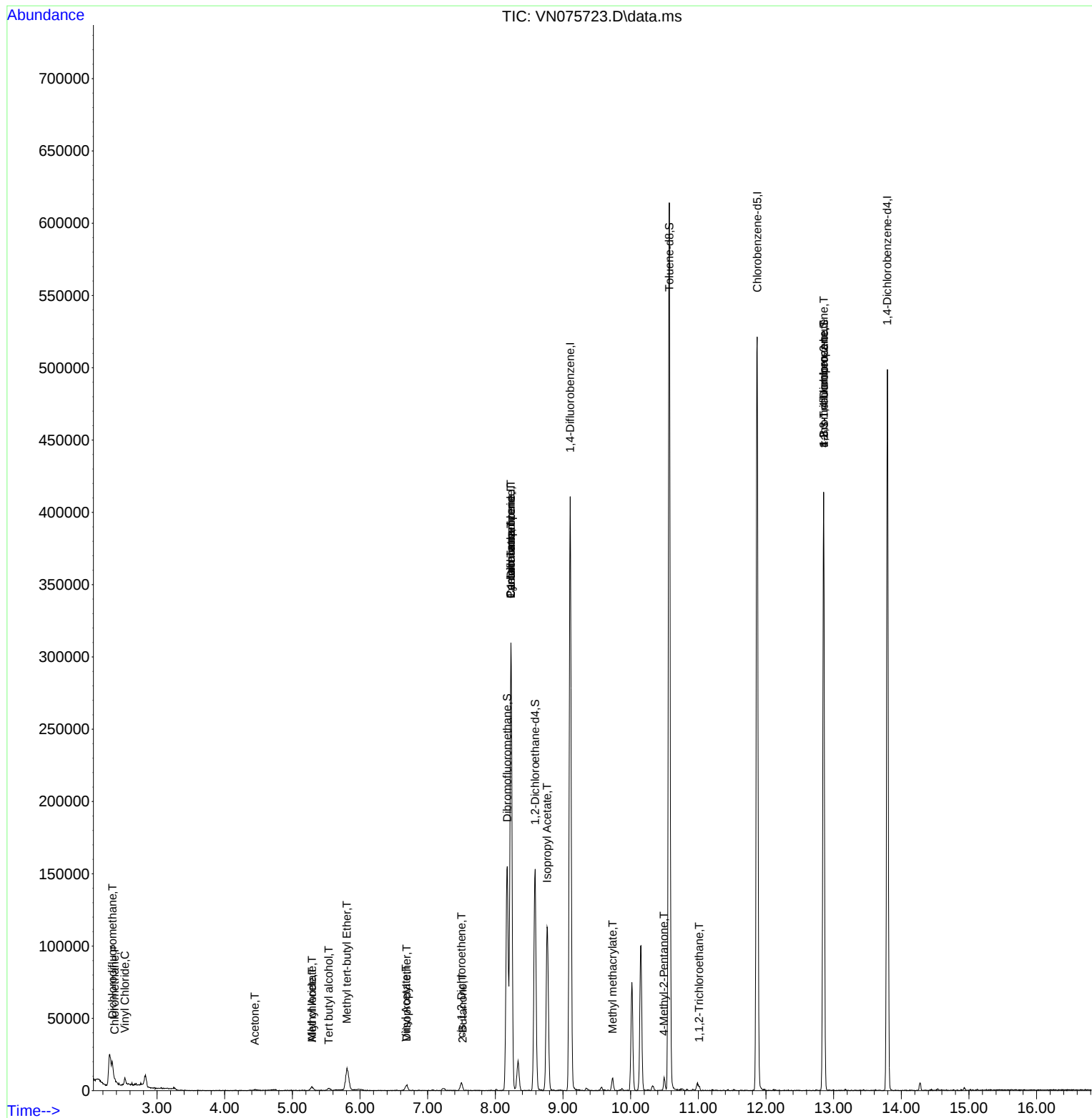
Internal Standards						
1) Pentafluorobenzene	8.230	168	239026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	376129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	327481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	141610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	124755	49.191	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.380%
35) Dibromofluoromethane	8.177	113	111533	48.602	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.200%
50) Toluene-d8	10.571	98	437243	50.736	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.480%
62) 4-Bromofluorobenzene	12.853	95	135640	46.033	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.060%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.342	85	700	0.398	ug/l	98
3) Chloromethane	2.371	50	483	0.231	ug/l #	40
4) Vinyl Chloride	2.524	62	2176	0.846	ug/l #	83
11) Tert butyl alcohol	5.536	59	3106	8.278	ug/l #	72
14) Allyl chloride	5.289	41	695	0.273	ug/l #	34
16) Acetone	4.448	43	564	0.657	ug/l #	41
18) Methyl Acetate	5.289	43	2076	0.752	ug/l #	44
19) Methyl tert-butyl Ether	5.806	73	24894	3.614	ug/l #	90
22) Diisopropyl ether	6.689	45	3939	0.679	ug/l	92
23) Vinyl Acetate	6.677	43	2282	0.516	ug/l #	65
25) 2-Butanone	7.518	43	389	0.310	ug/l #	43
27) cis-1,2-Dichloroethene	7.500	96	3208	1.155	ug/l #	27
31) Cyclohexane	8.230	56	4870	1.297	ug/l #	20
36) 1,1-Dichloropropene	8.230	75	16554	5.433	ug/l #	48
38) Carbon Tetrachloride	8.230	117	23131	6.578	ug/l #	16
43) Isopropyl Acetate	8.765	43	20177	4.940	ug/l #	51
48) Methyl methacrylate	9.735	41	2122	1.128	ug/l #	24
51) 4-Methyl-2-Pentanone	10.488	43	884	0.351	ug/l #	68
55) 1,1,2-Trichloroethane	11.012	97	754	0.310	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	69689	24.505	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	69689	78.236	ug/l #	13

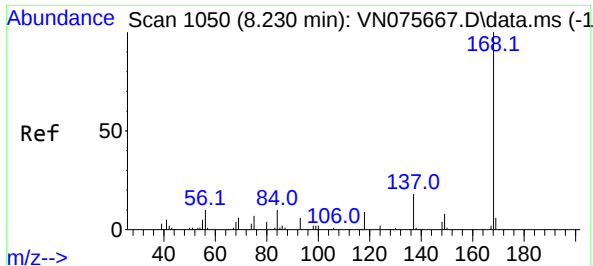
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Dec 12 07:54:35 2022
Response via : Initial Calibration

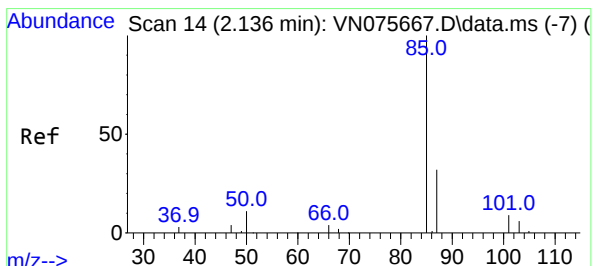
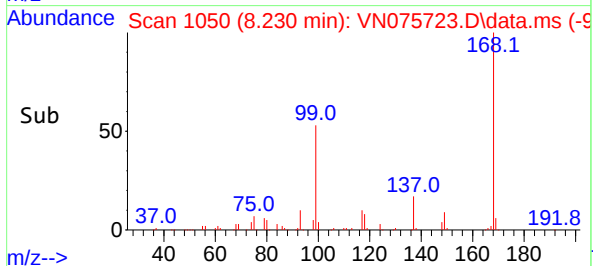
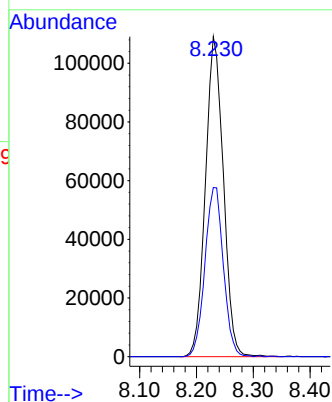
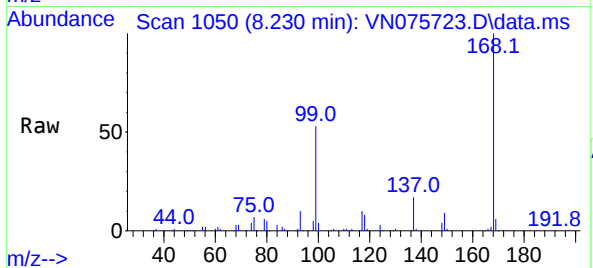




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075723.D
Acq: 12 Dec 2022 19:17

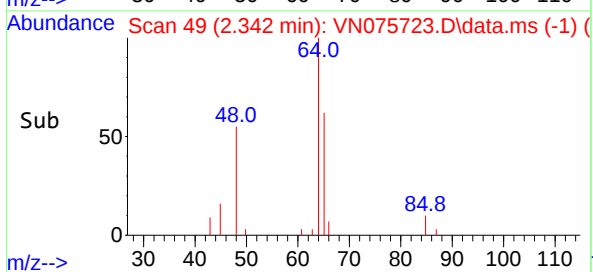
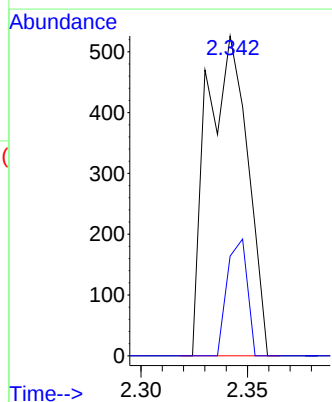
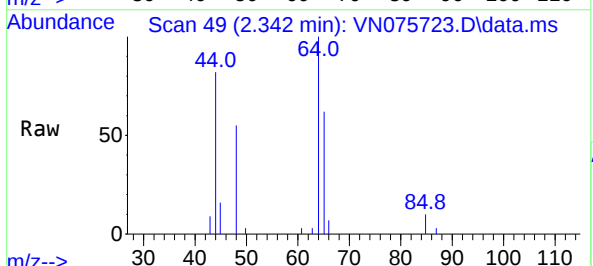
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MSVOA_N
ClientSampleId :
TOLL-MW-07

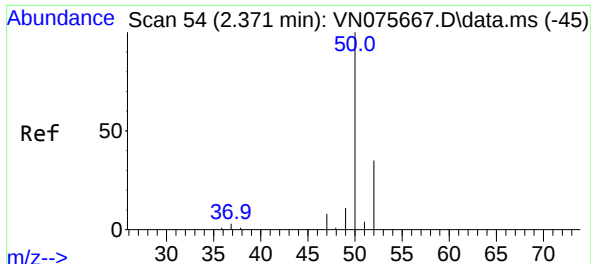
Tgt Ion:168 Resp: 239026
Ion Ratio Lower Upper
168 100
99 52.8 41.2 61.8



#2
Dichlorodifluoromethane
Concen: 0.398 ug/l
RT: 2.342 min Scan# 49
Delta R.T. 0.206 min
Lab File: VN075723.D
Acq: 12 Dec 2022 19:17

Tgt Ion: 85 Resp: 700
Ion Ratio Lower Upper
85 100
87 31.2 16.1 48.2

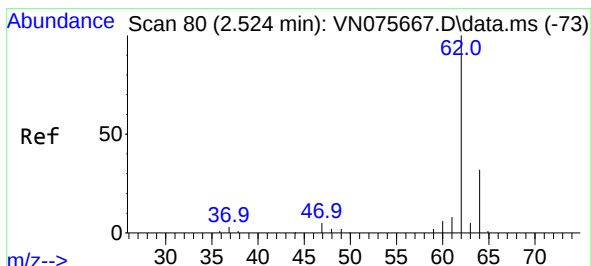
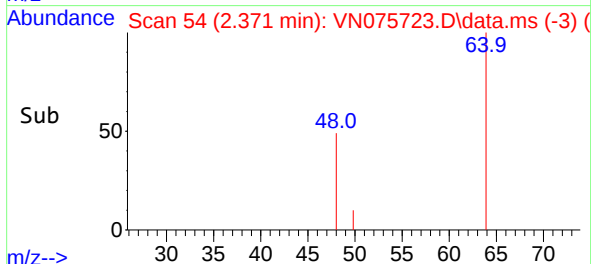
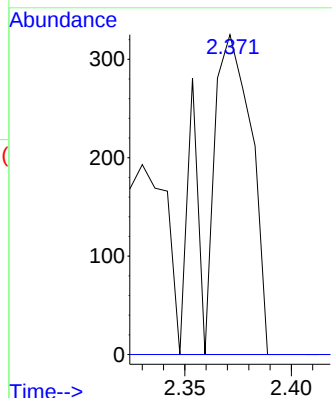
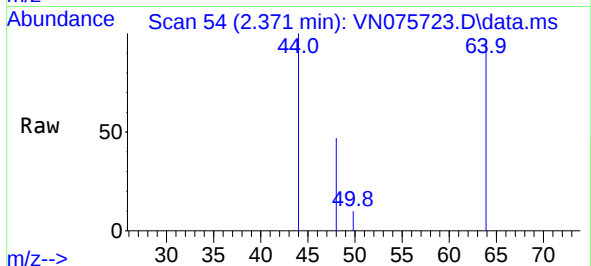




#3
Chloromethane
Concen: 0.231 ug/l
RT: 2.371 min Scan# 54
Delta R.T. 0.000 min
Lab File: VN075723.D
Acq: 12 Dec 2022 19:17

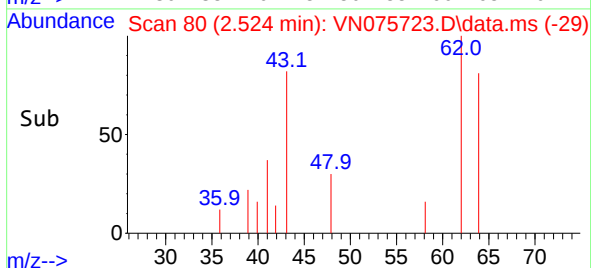
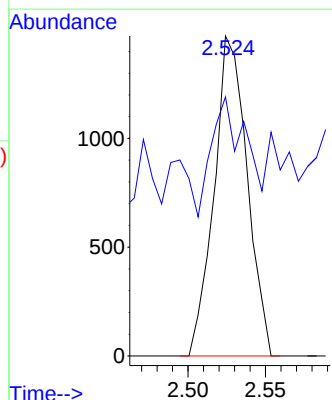
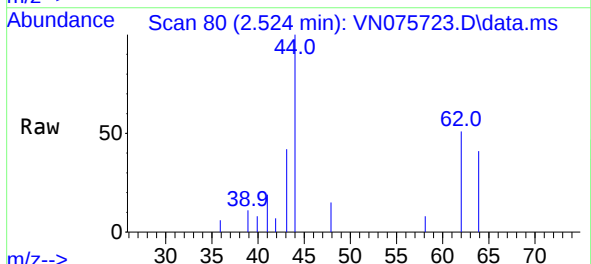
Instrument :
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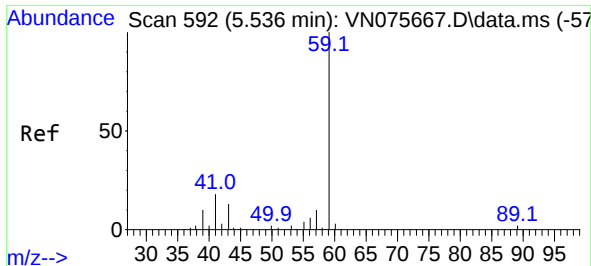
Tgt Ion: 50 Resp: 483
Ion Ratio Lower Upper
50 100
52 0.0 27.9 41.9#



#4
Vinyl Chloride
Concen: 0.846 ug/l
RT: 2.524 min Scan# 80
Delta R.T. 0.000 min
Lab File: VN075723.D
Acq: 12 Dec 2022 19:17

Tgt Ion: 62 Resp: 2176
Ion Ratio Lower Upper
62 100
64 22.8 25.9 38.9#

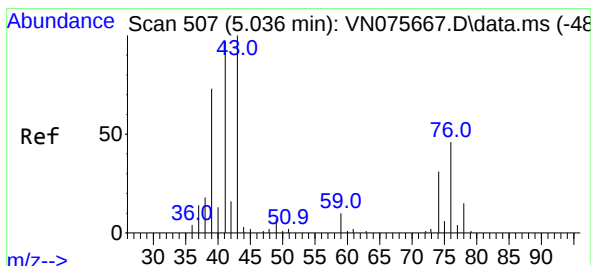
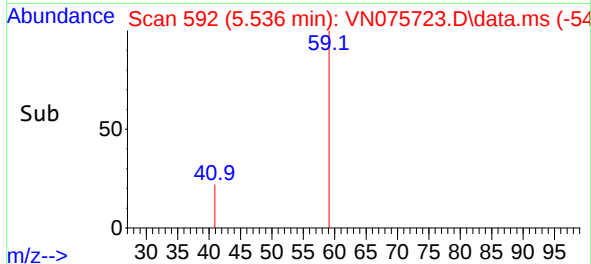
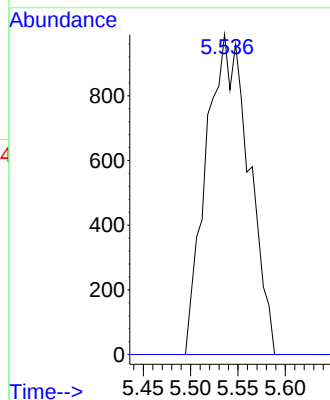
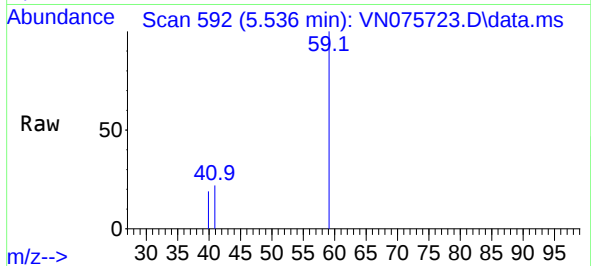




#11
Tert butyl alcohol
Concen: 8.278 ug/l
RT: 5.536 min Scan# 591
Delta R.T. 0.000 min
Lab File: VN075723.D
Acq: 12 Dec 2022 19:17

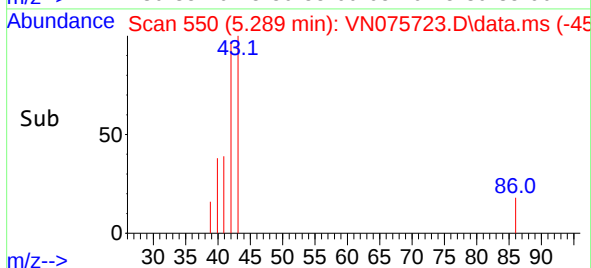
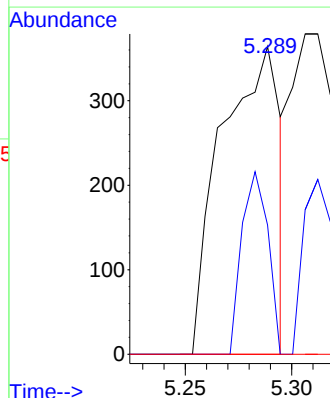
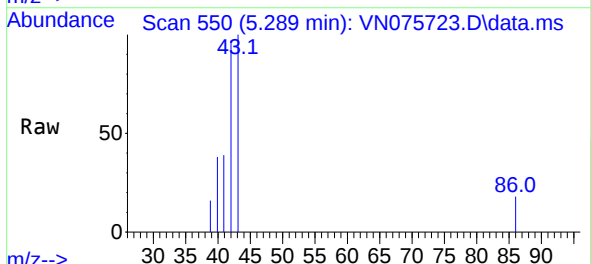
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-07

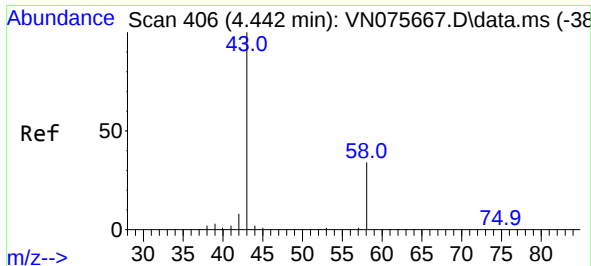
Tgt Ion: 59 Resp: 3106
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#14
Allyl chloride
Concen: 0.273 ug/l
RT: 5.289 min Scan# 550
Delta R.T. 0.253 min
Lab File: VN075723.D
Acq: 12 Dec 2022 19:17

Tgt Ion: 41 Resp: 695
Ion Ratio Lower Upper
41 100
39 26.6 64.6 96.8#
76 0.0 40.9 61.3#

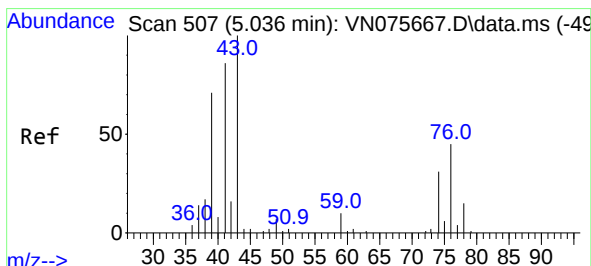
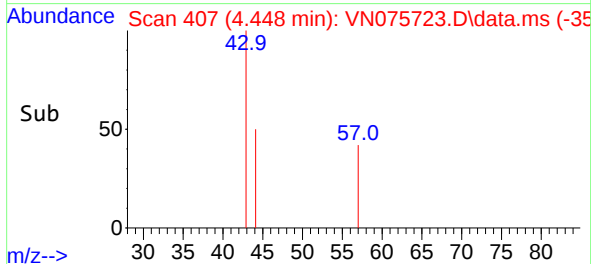
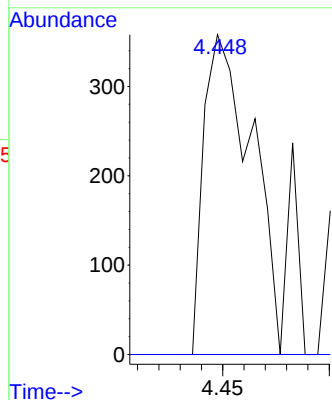
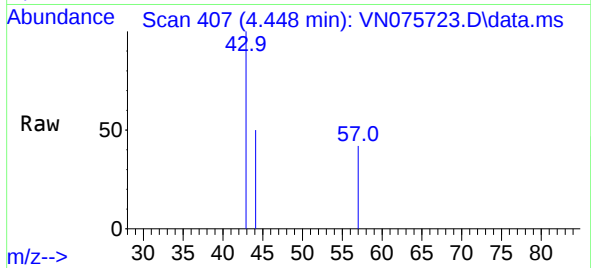




#16
Acetone
Concen: 0.657 ug/l
RT: 4.448 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075723.D
Acq: 12 Dec 2022 19:17

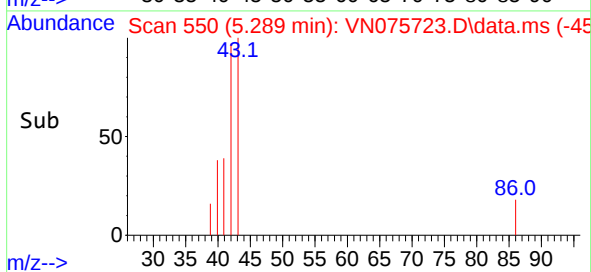
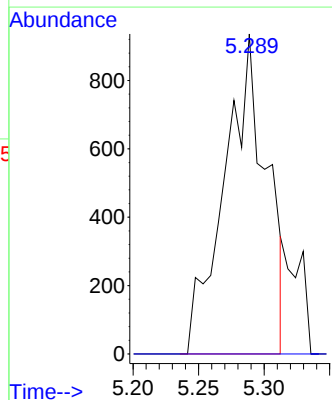
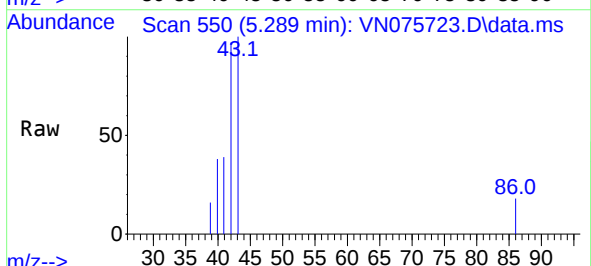
Instrument :
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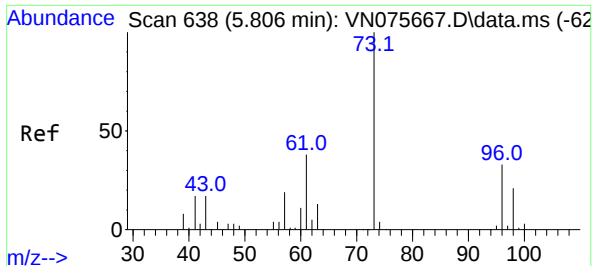
Tgt Ion: 43 Resp: 564
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#



#18
Methyl Acetate
Concen: 0.752 ug/l
RT: 5.289 min Scan# 550
Delta R.T. 0.253 min
Lab File: VN075723.D
Acq: 12 Dec 2022 19:17

Tgt Ion: 43 Resp: 2076
Ion Ratio Lower Upper
43 100
74 0.0 24.5 36.7#

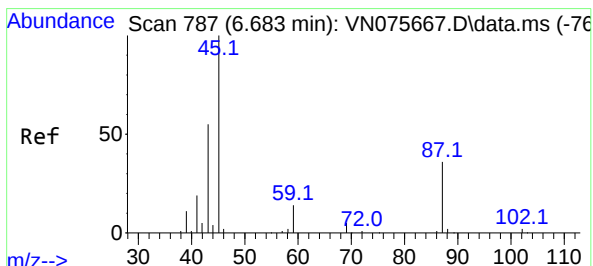
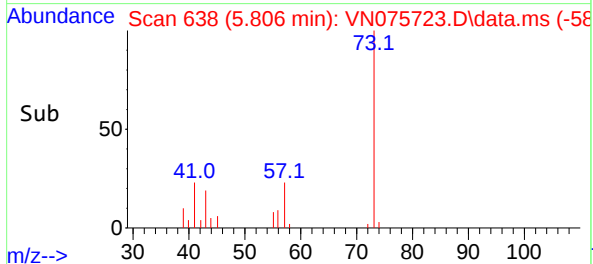
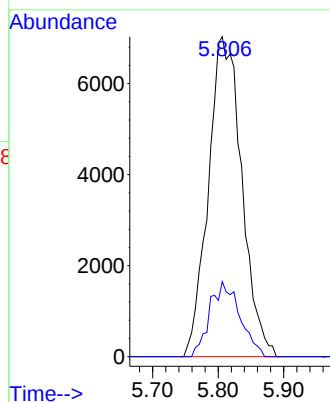
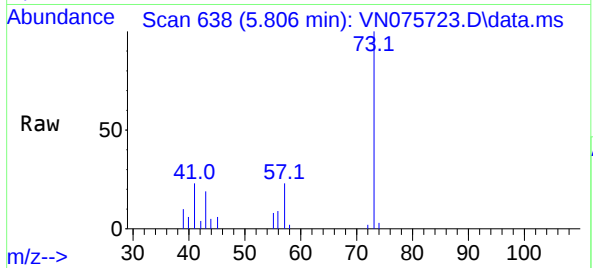




#19
Methyl tert-butyl Ether
Concen: 3.614 ug/l
RT: 5.806 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN075723.D
Acq: 12 Dec 2022 19:17

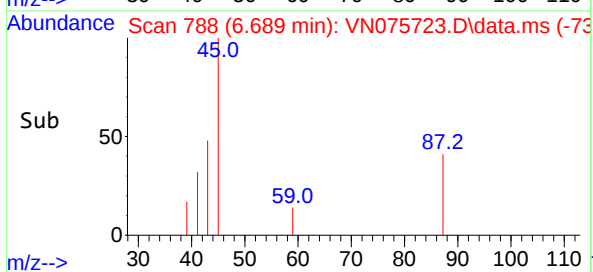
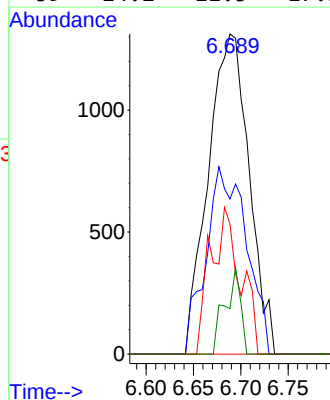
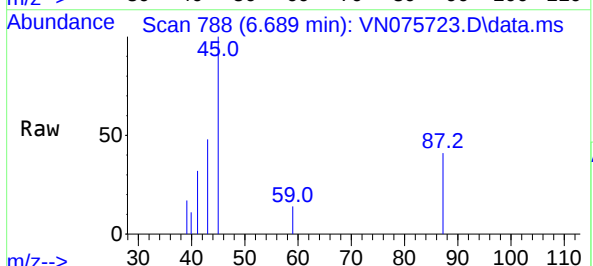
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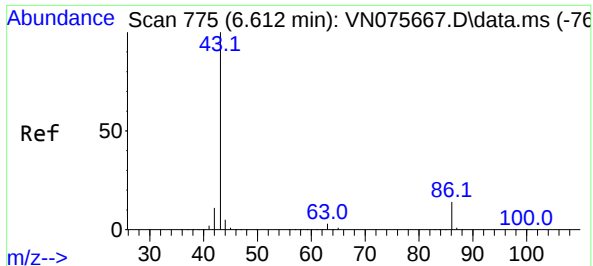
Tgt Ion: 73 Resp: 24894
Ion Ratio Lower Upper
73 100
57 23.5 15.1 22.7#



#22
Diisopropyl ether
Concen: 0.679 ug/l
RT: 6.689 min Scan# 788
Delta R.T. 0.006 min
Lab File: VN075723.D
Acq: 12 Dec 2022 19:17

Tgt Ion: 45 Resp: 3939
Ion Ratio Lower Upper
45 100
43 48.4 44.9 67.3
87 40.7 28.8 43.2
59 14.2 11.5 17.3

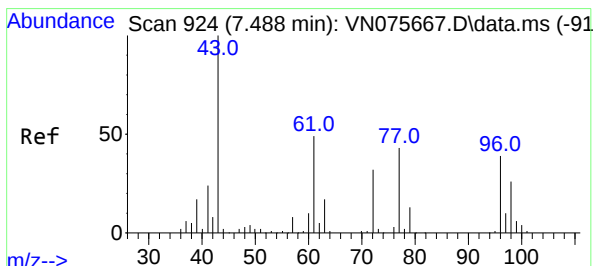
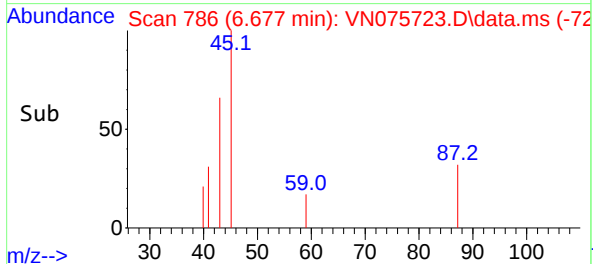
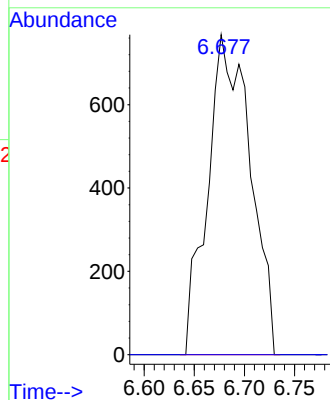
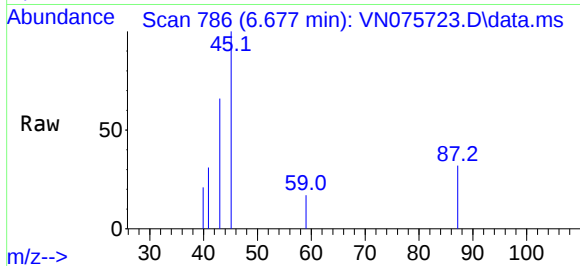




#23
 Vinyl Acetate
 Concen: 0.516 ug/l
 RT: 6.677 min Scan# 71
 Delta R.T. 0.065 min
 Lab File: VN075723.D
 Acq: 12 Dec 2022 19:17

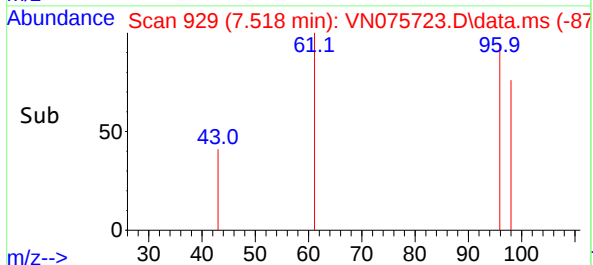
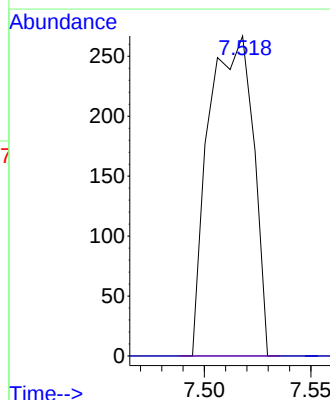
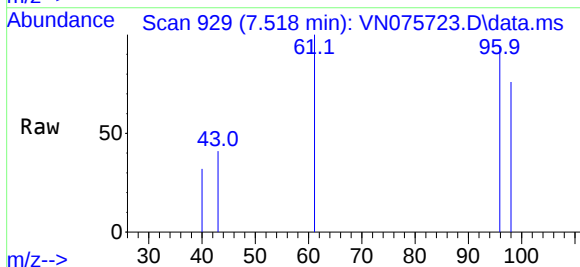
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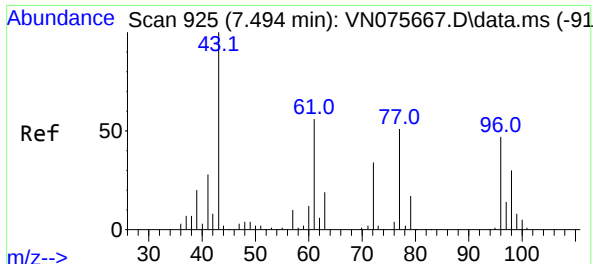
Tgt Ion: 43 Resp: 2282
 Ion Ratio Lower Upper
 43 100
 86 0.0 11.5 17.3#



#25
 2-Butanone
 Concen: 0.310 ug/l
 RT: 7.518 min Scan# 929
 Delta R.T. 0.030 min
 Lab File: VN075723.D
 Acq: 12 Dec 2022 19:17

Tgt Ion: 43 Resp: 389
 Ion Ratio Lower Upper
 43 100
 72 0.0 25.3 37.9#

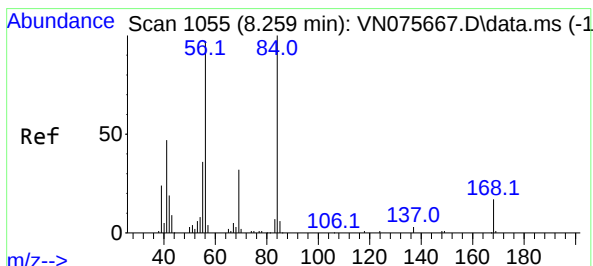
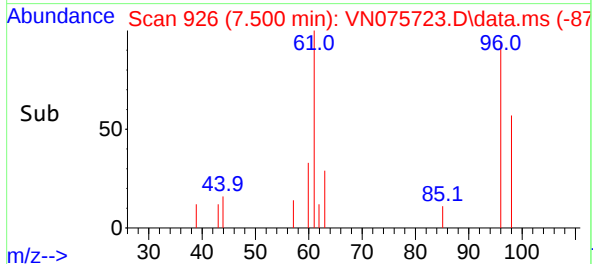
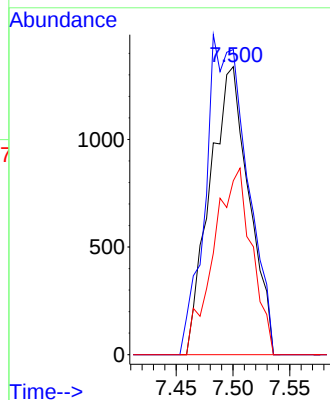
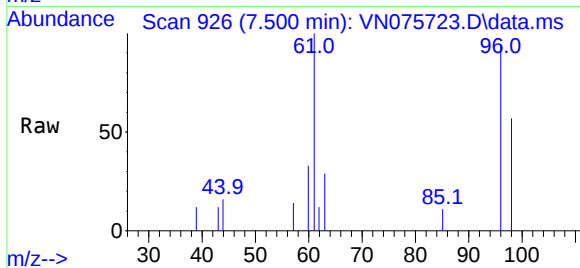




#27
 cis-1,2-Dichloroethene
 Concen: 1.155 ug/l
 RT: 7.500 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VN075723.D
 Acq: 12 Dec 2022 19:17

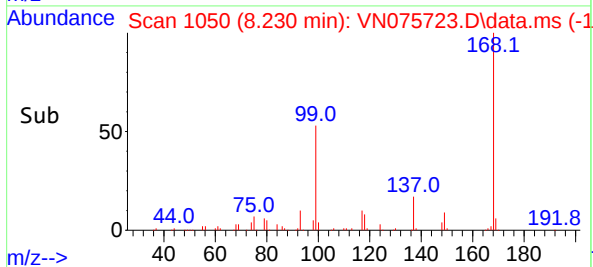
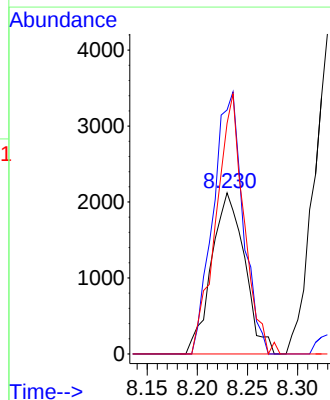
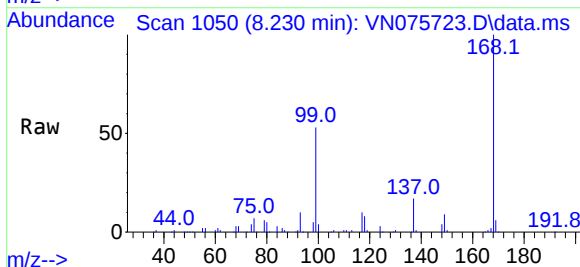
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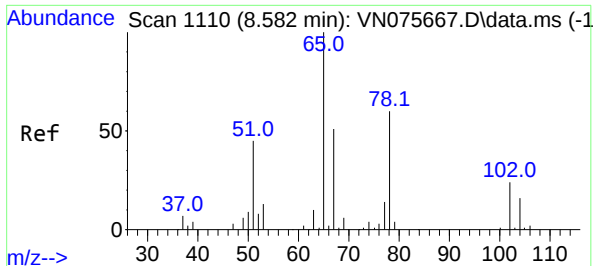
Tgt Ion: 96 Resp: 3208
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 247.8
 98 63.1 0.0 126.0



#31
 Cyclohexane
 Concen: 1.297 ug/l
 RT: 8.230 min Scan# 1050
 Delta R.T. -0.029 min
 Lab File: VN075723.D
 Acq: 12 Dec 2022 19:17

Tgt Ion: 56 Resp: 4870
 Ion Ratio Lower Upper
 56 100
 69 151.5 26.2 39.2#
 84 143.2 82.8 124.2#

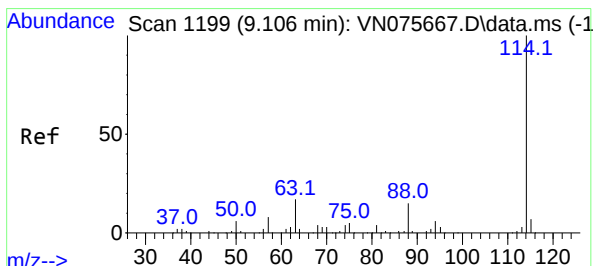
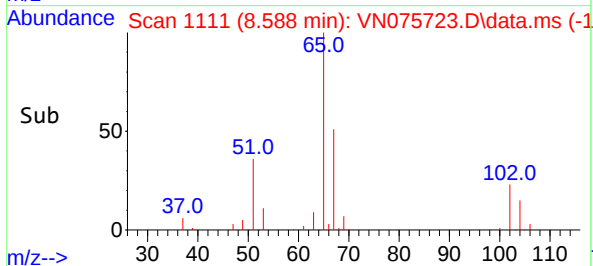
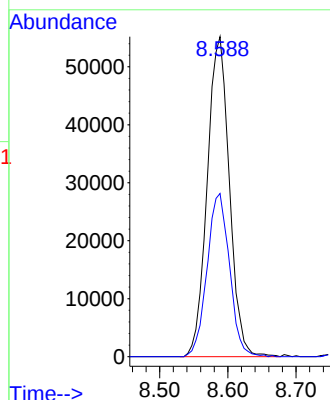
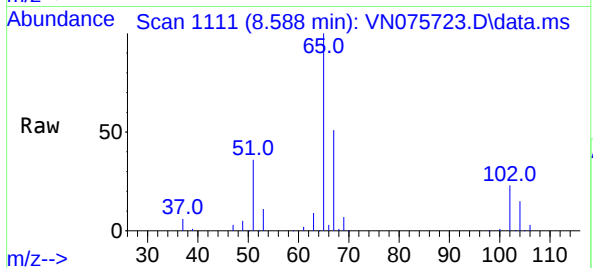




#33
1,2-Dichloroethane-d4
Concen: 49.191 ug/l
RT: 8.588 min Scan# 1110
Delta R.T. 0.006 min
Lab File: VN075723.D
Acq: 12 Dec 2022 19:17

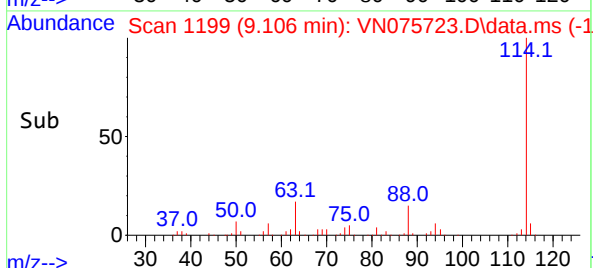
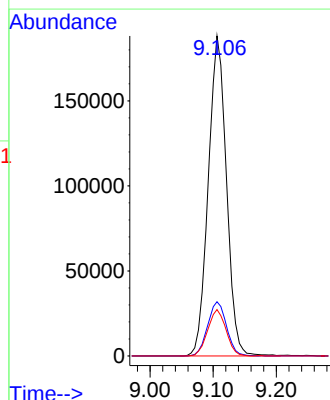
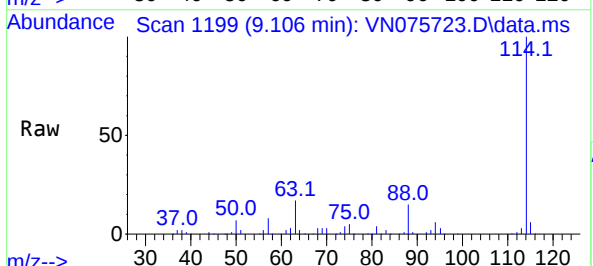
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-07

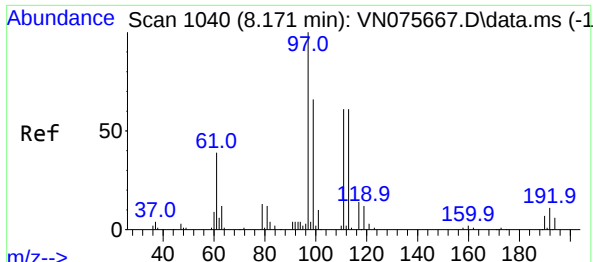
Tgt Ion: 65 Resp: 124755
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075723.D
Acq: 12 Dec 2022 19:17

Tgt Ion: 114 Resp: 376129
Ion Ratio Lower Upper
114 100
63 17.0 0.0 34.4
88 14.5 0.0 29.2



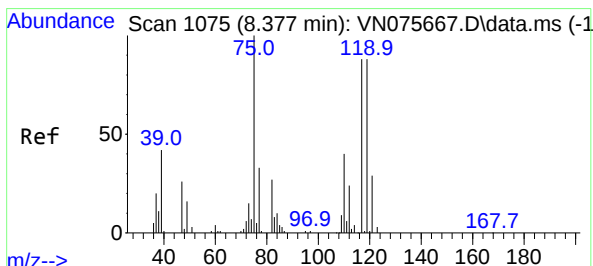
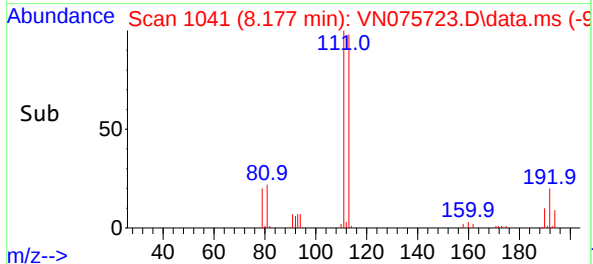
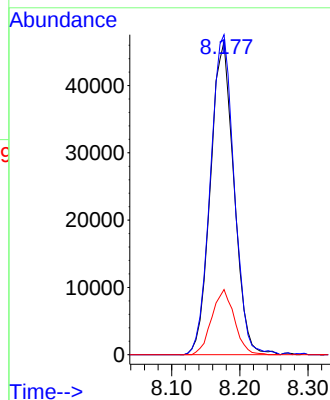
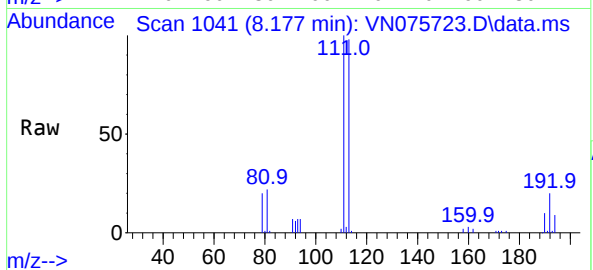


#35
Dibromofluoromethane
Concen: 48.602 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN075723.D
Acq: 12 Dec 2022 19:17

Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-07

Tgt Ion:113 Resp: 111533

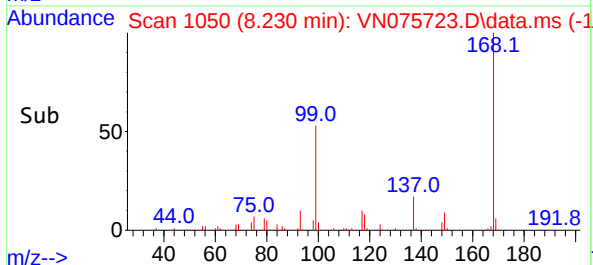
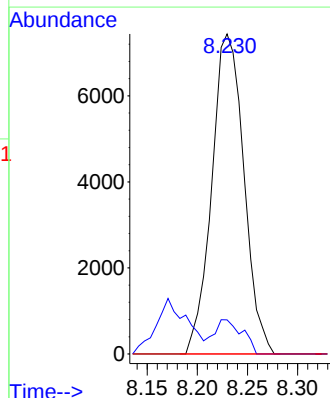
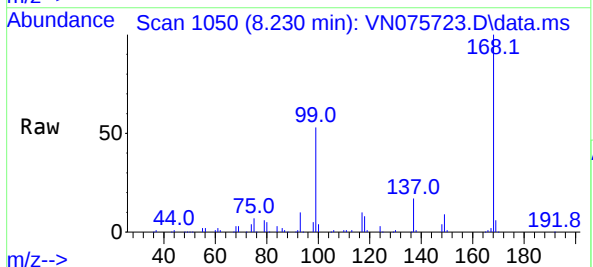
Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.0	121.6
192	20.1	16.2	24.2

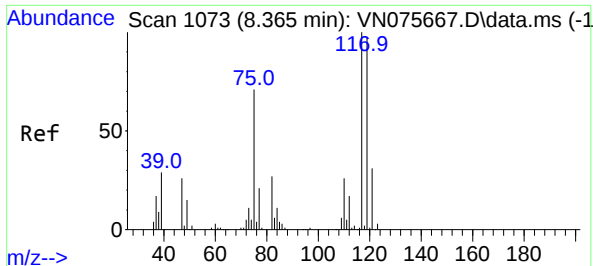


#36
1,1-Dichloropropene
Concen: 5.433 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075723.D
Acq: 12 Dec 2022 19:17

Tgt Ion: 75 Resp: 16554

Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.9	56.9#
77	0.0	25.4	38.2#

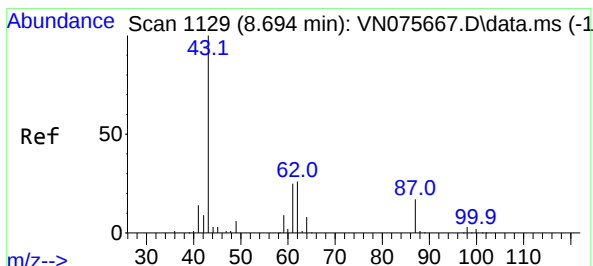
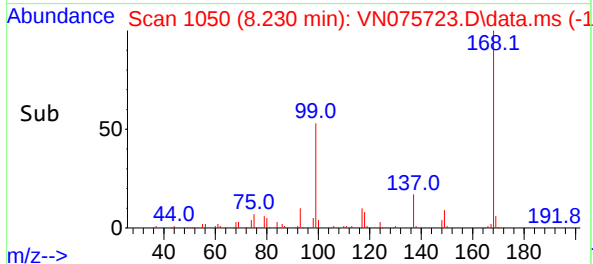
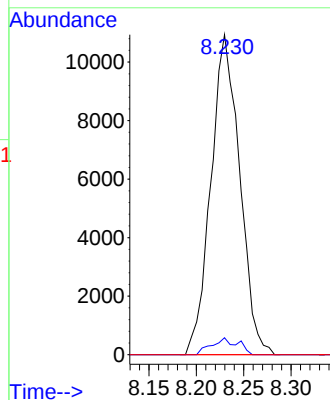
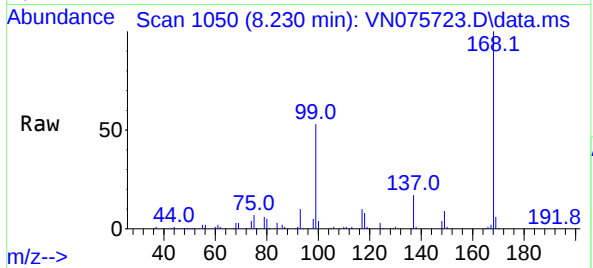




#38
Carbon Tetrachloride
Concen: 6.578 ug/l
RT: 8.230 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN075723.D
Acq: 12 Dec 2022 19:17

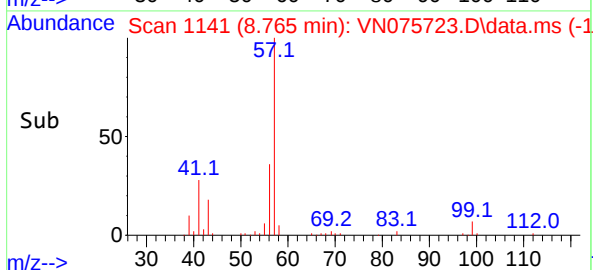
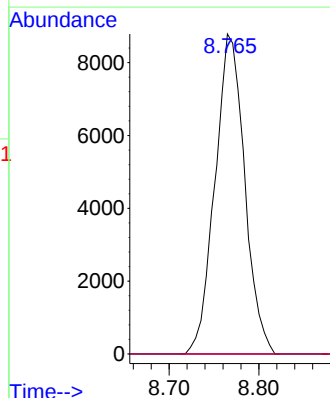
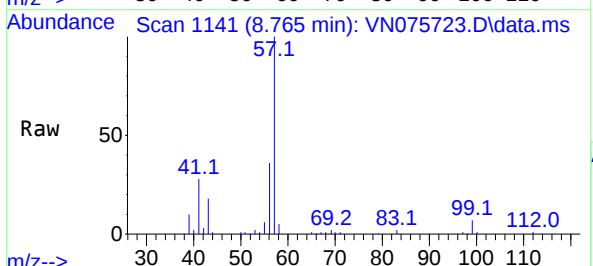
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-07

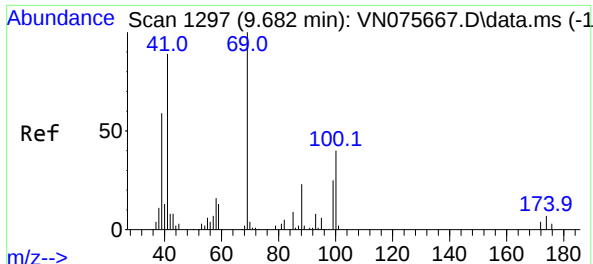
Tgt Ion:117 Resp: 23131
Ion Ratio Lower Upper
117 100
119 5.3 77.2 115.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 4.940 ug/l
RT: 8.765 min Scan# 1141
Delta R.T. 0.071 min
Lab File: VN075723.D
Acq: 12 Dec 2022 19:17

Tgt Ion: 43 Resp: 20177
Ion Ratio Lower Upper
43 100
61 0.0 23.8 35.8#
87 0.0 13.7 20.5#





#48

Methyl methacrylate

Concen: 1.128 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.053 min

Lab File: VN075723.D

Acq: 12 Dec 2022 19:17

Instrument :

MSVOA_N

ClientSampleId :

TOLL-MW-07

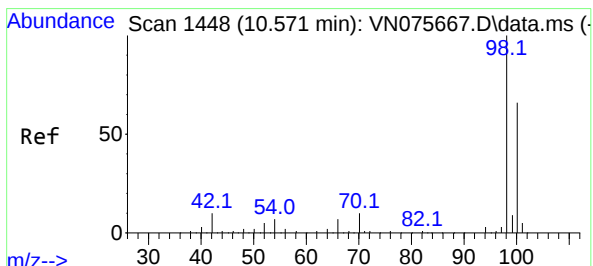
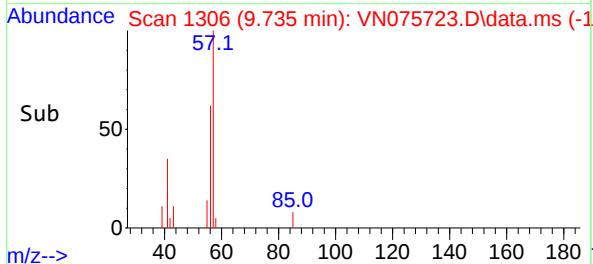
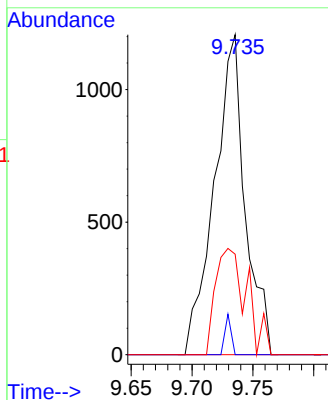
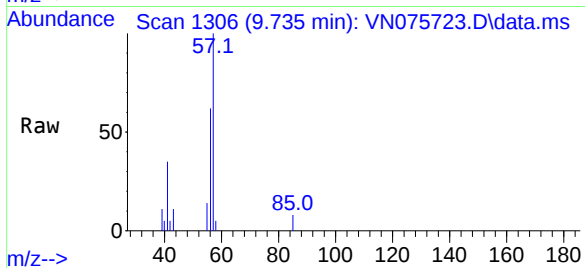
Tgt Ion: 41 Resp: 2122

Ion Ratio Lower Upper

41 100

69 2.5 82.5 123.7#

39 33.6 53.2 79.8#



#50

Toluene-d8

Concen: 50.736 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN075723.D

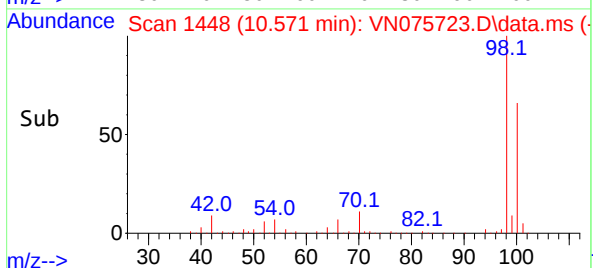
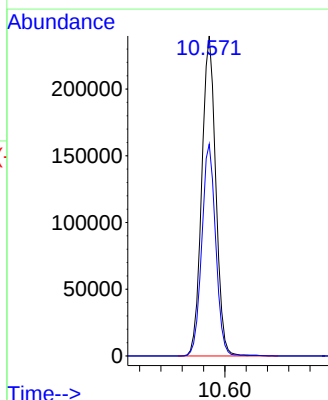
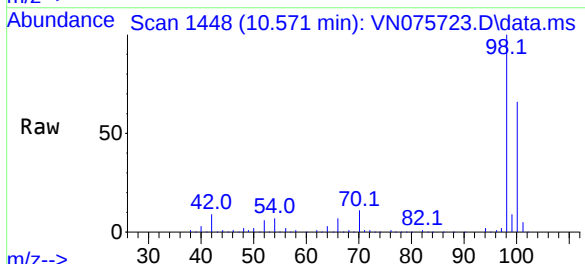
Acq: 12 Dec 2022 19:17

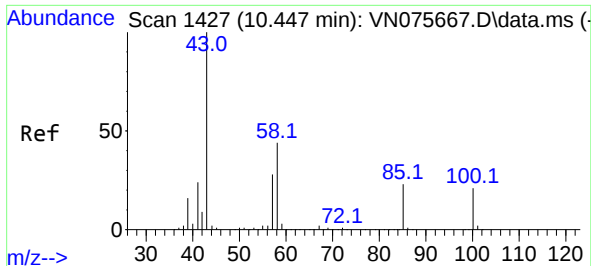
Tgt Ion: 98 Resp: 437243

Ion Ratio Lower Upper

98 100

100 65.5 52.6 78.8

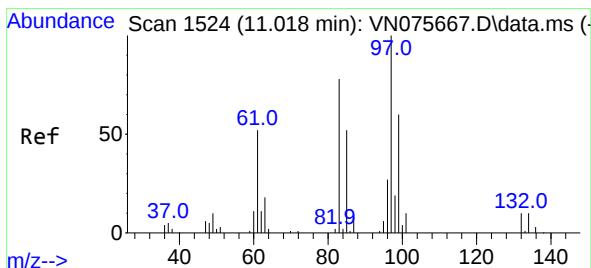
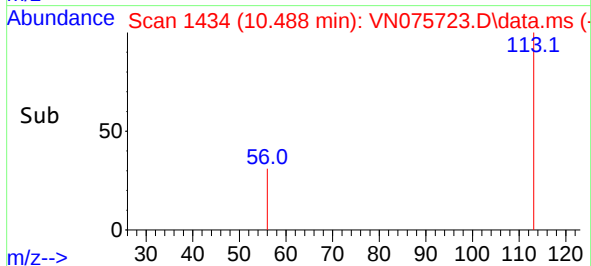
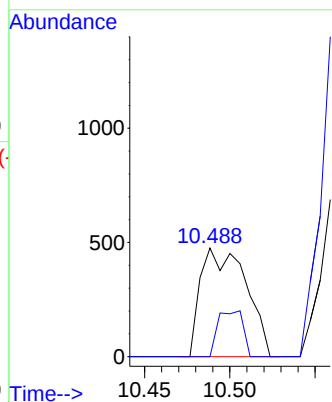
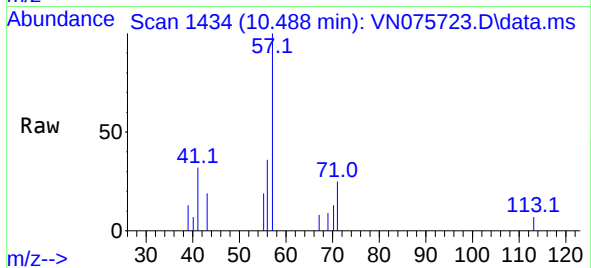




#51
4-Methyl-2-Pentanone
Concen: 0.351 ug/l
RT: 10.488 min Scan# 1427
Delta R.T. 0.041 min
Lab File: VN075723.D
Acq: 12 Dec 2022 19:17

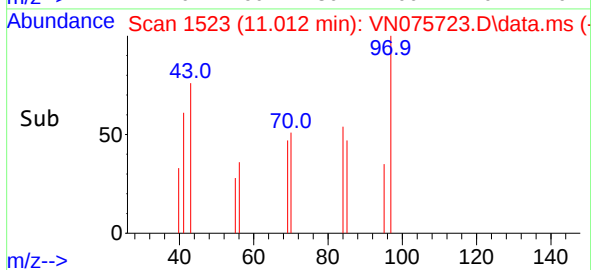
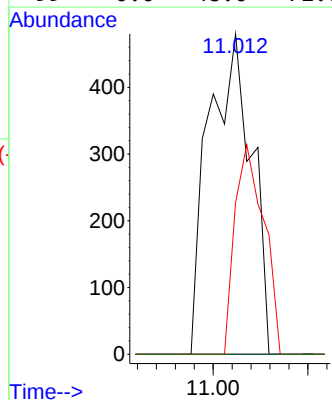
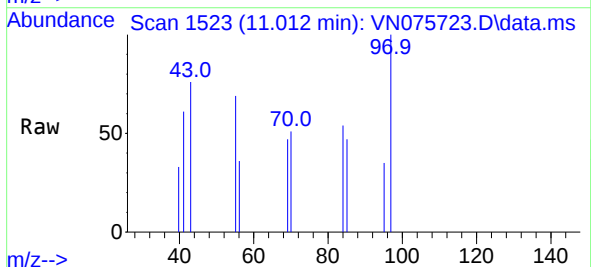
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-07

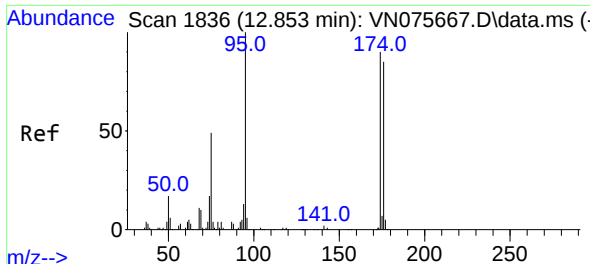
Tgt Ion: 43 Resp: 884
Ion Ratio Lower Upper
43 100
58 23.2 35.0 52.6#



#55
1,1,2-Trichloroethane
Concen: 0.310 ug/l
RT: 11.012 min Scan# 1523
Delta R.T. -0.006 min
Lab File: VN075723.D
Acq: 12 Dec 2022 19:17

Tgt Ion: 97 Resp: 754
Ion Ratio Lower Upper
97 100
83 0.0 62.7 94.1#
85 47.3 41.8 62.6
99 0.0 48.0 72.0#

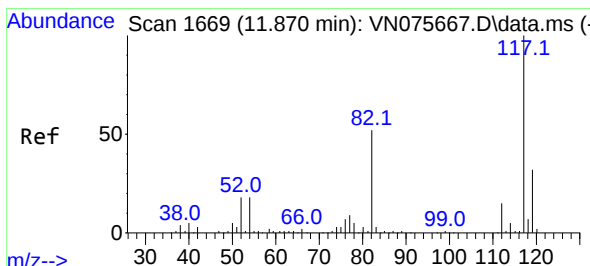
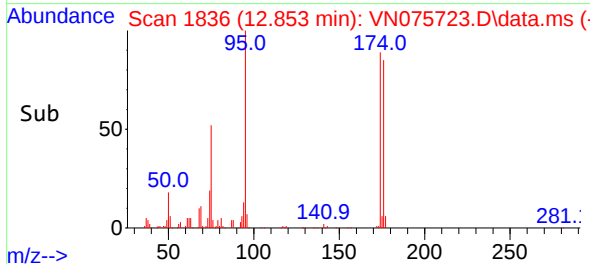
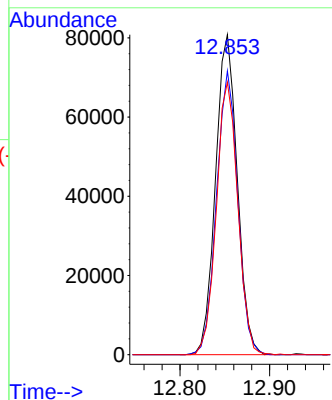
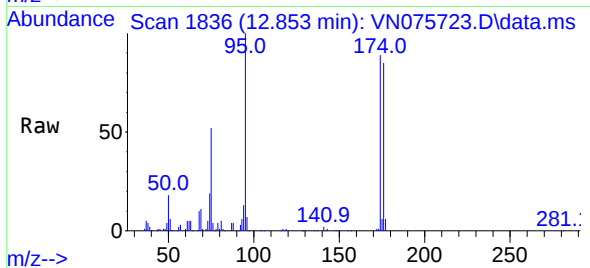




#62
4-Bromofluorobenzene
Concen: 46.033 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075723.D
Acq: 12 Dec 2022 19:17

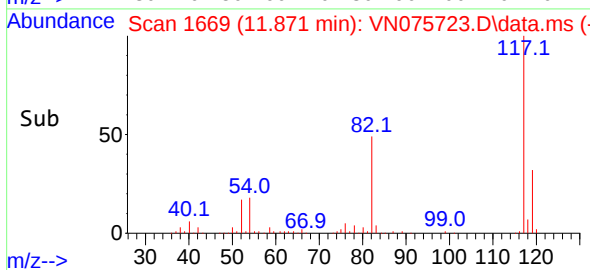
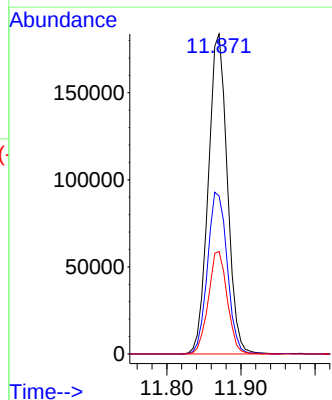
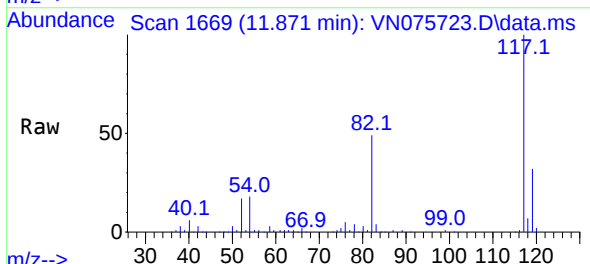
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-07

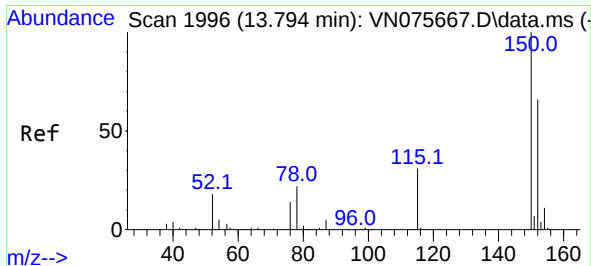
Tgt Ion: 95 Resp: 135640
Ion Ratio Lower Upper
95 100
174 86.8 0.0 178.6
176 84.2 0.0 170.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VN075723.D
Acq: 12 Dec 2022 19:17

Tgt Ion: 117 Resp: 327481
Ion Ratio Lower Upper
117 100
82 49.4 41.8 62.8
119 32.0 25.8 38.6

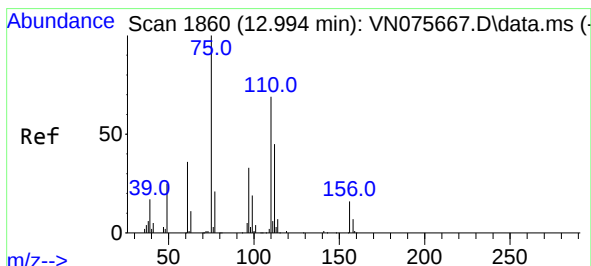
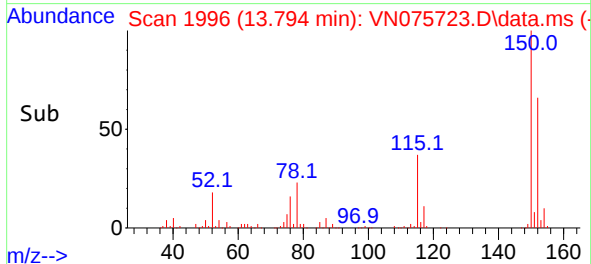
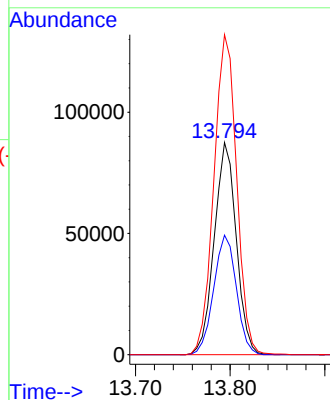
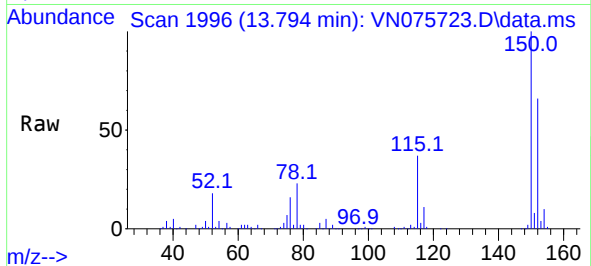




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN075723.D
 Acq: 12 Dec 2022 19:17

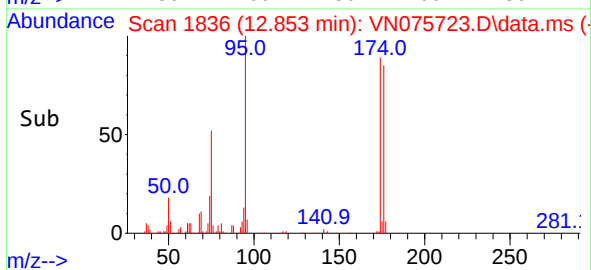
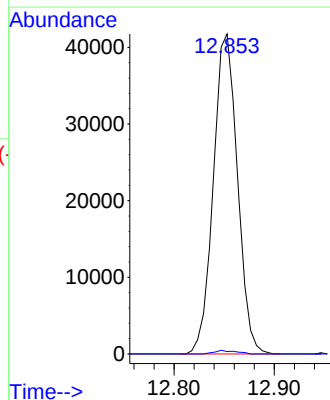
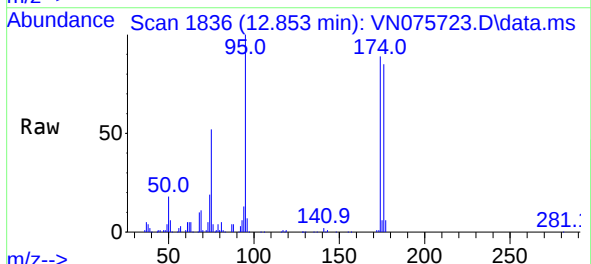
Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-07

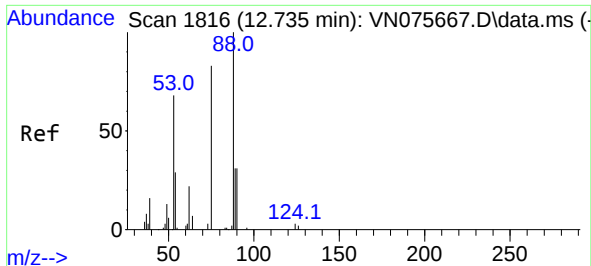
Tgt Ion:152 Resp: 141610
 Ion Ratio Lower Upper
 152 100
 115 57.9 28.4 85.2
 150 155.7 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 24.505 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN075723.D
 Acq: 12 Dec 2022 19:17

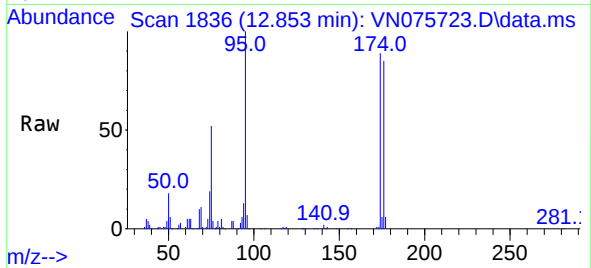
Tgt Ion: 75 Resp: 69689
 Ion Ratio Lower Upper
 75 100
 77 1.0 81.8 245.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.236 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN075723.D
 Acq: 12 Dec 2022 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-07



Tgt Ion: 75 Resp: 69689

Ion	Ratio	Lower	Upper
75	100		
53	0.0	72.4	108.6#
89	0.0	36.6	55.0#

