

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061923\
 Data File : VN078276.D
 Acq On : 19 Jun 2023 13:48
 Operator : JC\MD
 Sample : 03260-01
 Misc : 5.02g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

Quant Time: Jun 19 16:03:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

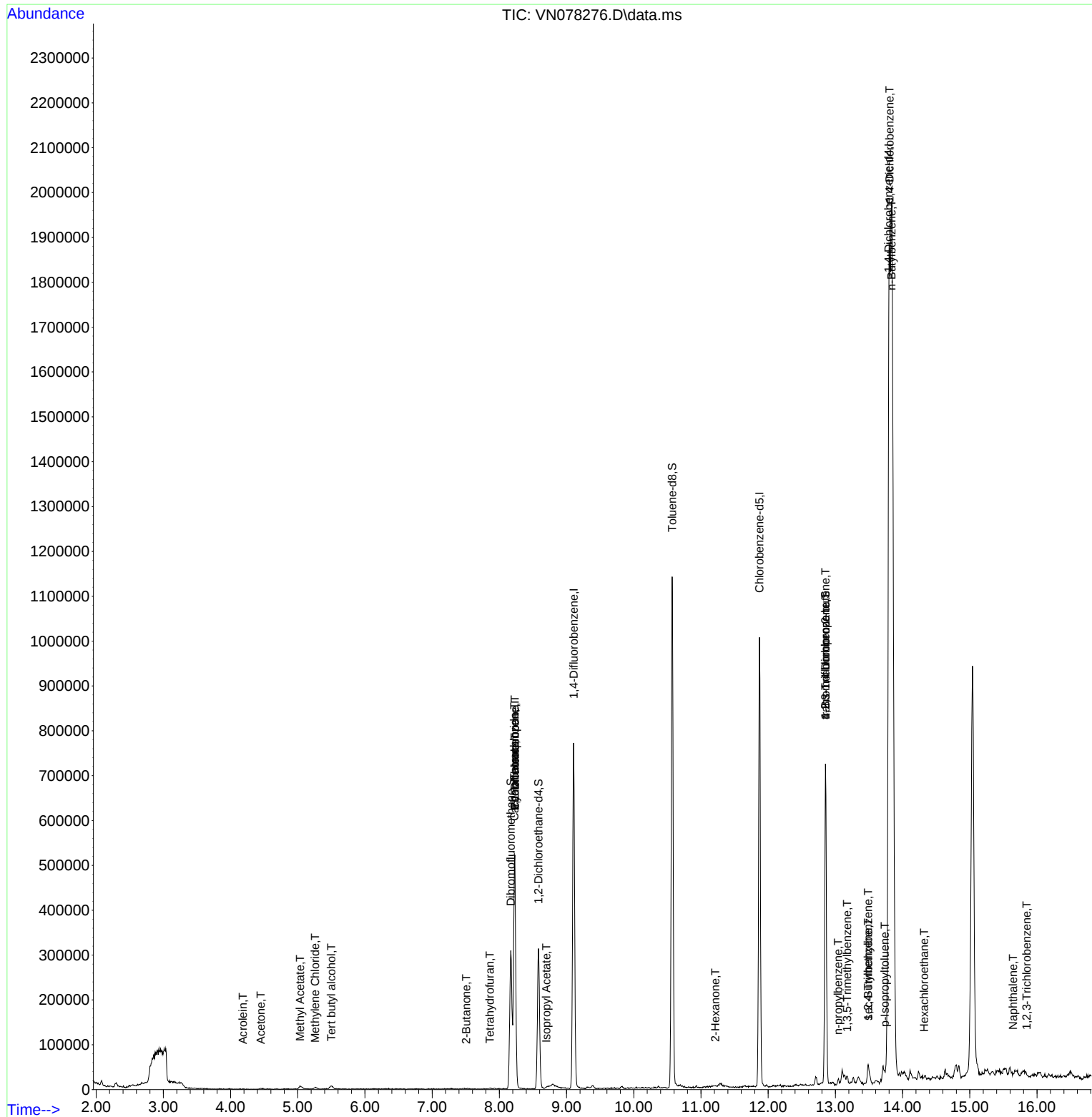
Internal Standards						
1) Pentafluorobenzene	8.230	168	371424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	681912	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	596244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	209047	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	254557	51.403	ug/l	0.00
Spiked Amount 50.000	Range 74	- 125	Recovery	=	102.800%	
35) Dibromofluoromethane	8.171	113	222832	51.681	ug/l	0.00
Spiked Amount 50.000	Range 75	- 124	Recovery	=	103.360%	
50) Toluene-d8	10.571	98	826635	49.732	ug/l	0.00
Spiked Amount 50.000	Range 86	- 113	Recovery	=	99.460%	
62) 4-Bromofluorobenzene	12.853	95	249817	48.346	ug/l	0.00
Spiked Amount 50.000	Range 83	- 123	Recovery	=	96.700%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1188	Below Cal	#	76
11) Tert butyl alcohol	5.500	59	5582	8.163	ug/l #	72
13) Acrolein	4.183	56	181	0.240	ug/l #	56
16) Acetone	4.447	43	713	0.500	ug/l #	83
18) Methyl Acetate	5.036	43	14526	2.213	ug/l #	86
20) Methylene Chloride	5.259	84	1296	0.275	ug/l #	73
25) 2-Butanone	7.506	43	894	0.408	ug/l #	37
29) Tetrahydrofuran	7.859	42	1387	0.947	ug/l #	65
31) Cyclohexane	8.230	56	8234	1.296	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	32703	5.288	ug/l #	47
38) Carbon Tetrachloride	8.224	117	40701	6.233	ug/l #	16
43) Isopropyl Acetate	8.700	43	1870	0.202	ug/l #	49
59) 2-Hexanone	11.212	43	1569	0.463	ug/l	78
75) 1,1,2,2-Tetrachloroethane	12.929	83	237	Below Cal	#	70
76) 1,2,3-Trichloropropane	12.853	75	133003	26.913	ug/l #	1
78) n-propylbenzene	13.041	91	8602	0.401	ug/l	89
80) 1,3,5-Trimethylbenzene	13.176	105	7560	0.472	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.853	75	133003	82.685	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.488	105	22998	1.482	ug/l	100
85) sec-Butylbenzene	13.488	105	22998	1.263	ug/l #	57
86) p-Isopropyltoluene	13.735	119	11329	0.767	ug/l #	75
88) 1,4-Dichlorobenzene	13.806	146	6326	0.845	ug/l #	35
89) n-Butylbenzene	13.835	91	315702	27.087	ug/l #	44
90) Hexachloroethane	14.323	117	838	0.320	ug/l #	21
94) Hexachlorobutadiene	15.506	225	468	Below Cal	#	48
95) Naphthalene	15.647	128	4842	0.533	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.847	180	1139	0.377	ug/l #	60

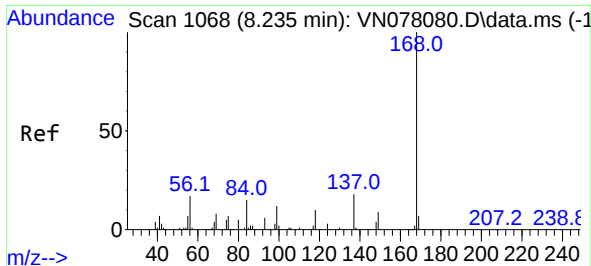
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Title : SW846 8260
QLast Update : Wed Jun 07 05:05:00 2023
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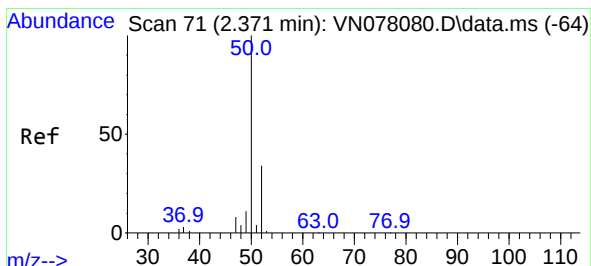
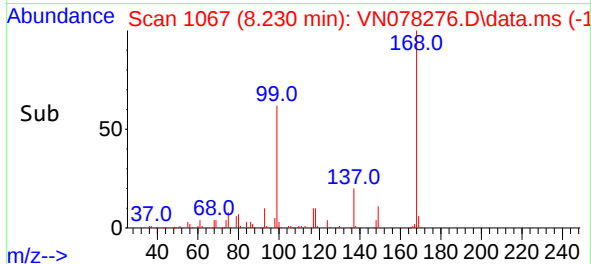
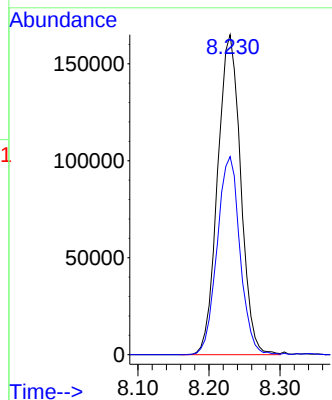
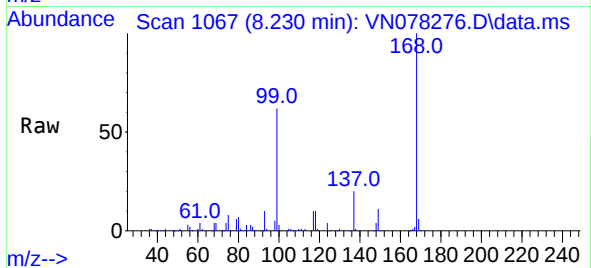




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

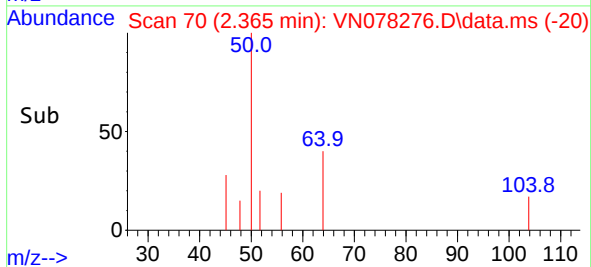
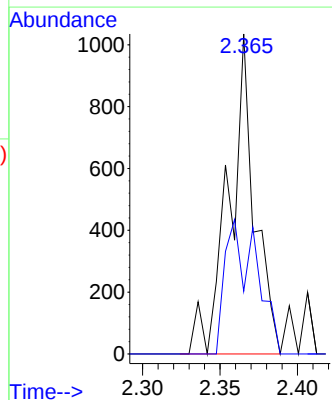
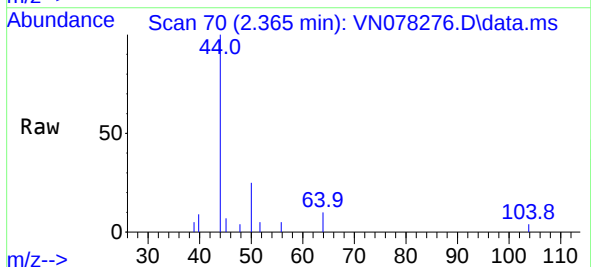
Instrument :
MSVOA_N
ClientSampleId :
WC-1

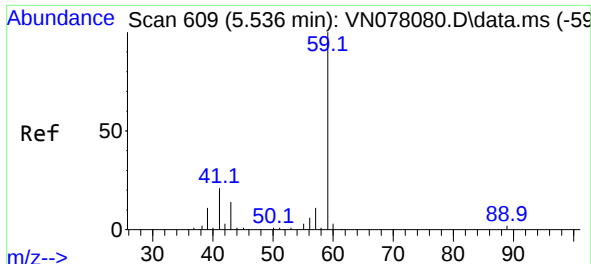
Tgt Ion:168 Resp: 371424
Ion Ratio Lower Upper
168 100
99 61.9 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

Tgt Ion: 50 Resp: 1188
Ion Ratio Lower Upper
50 100
52 19.6 26.5 39.7#

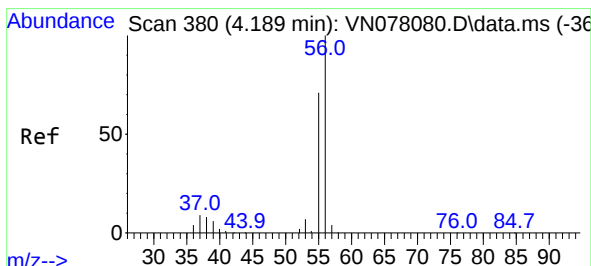
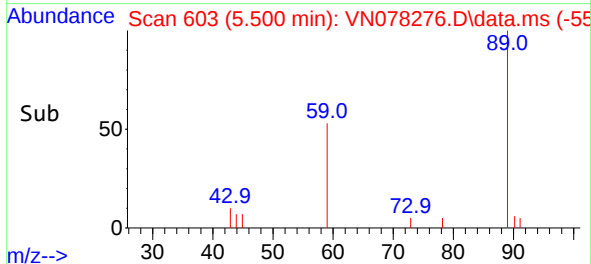
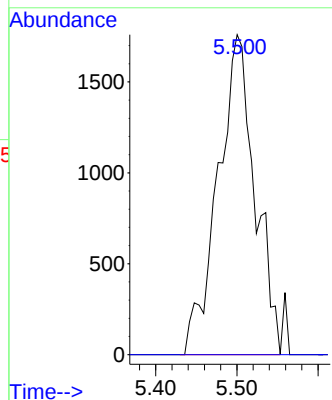
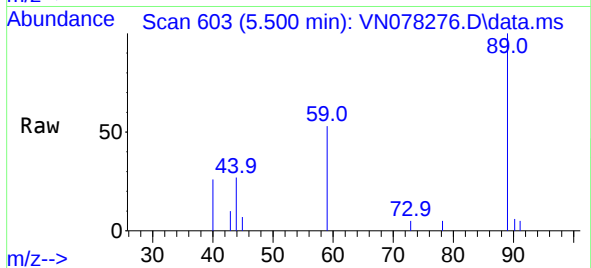




#11
Tert butyl alcohol
Concen: 8.163 ug/l
RT: 5.500 min Scan# 609
Delta R.T. -0.035 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

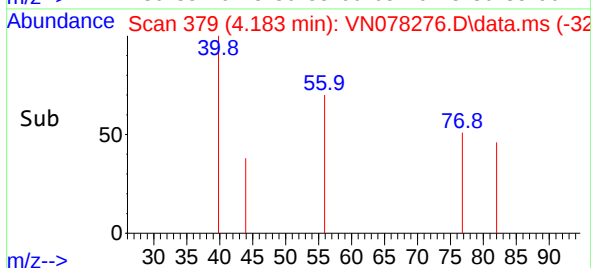
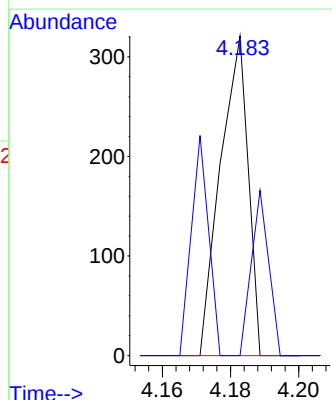
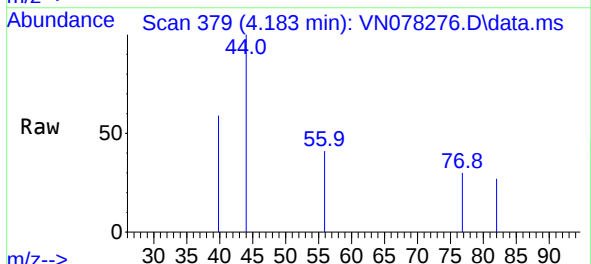
Instrument :
MSVOA_N
ClientSampleId :
WC-1

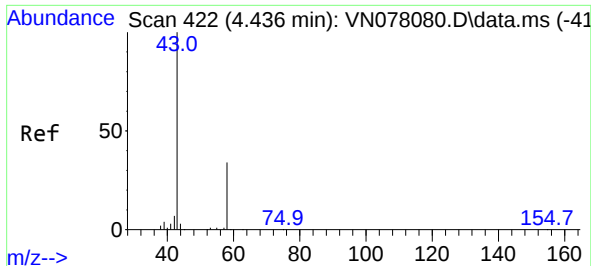
Tgt Ion: 59 Resp: 5582
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.240 ug/l
RT: 4.183 min Scan# 379
Delta R.T. -0.006 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

Tgt Ion: 56 Resp: 181
Ion Ratio Lower Upper
56 100
55 32.6 54.5 81.7#

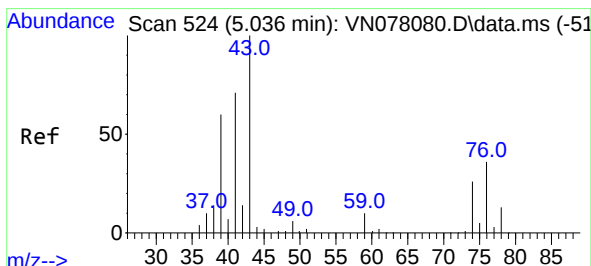
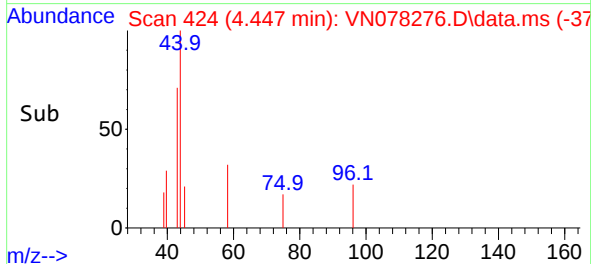
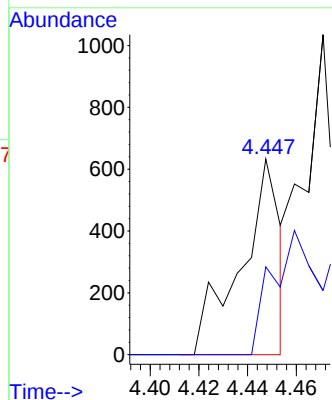
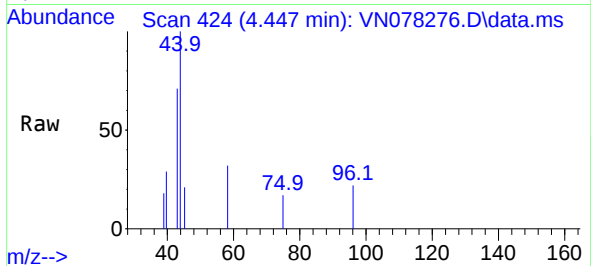




#16
Acetone
Concen: 0.500 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

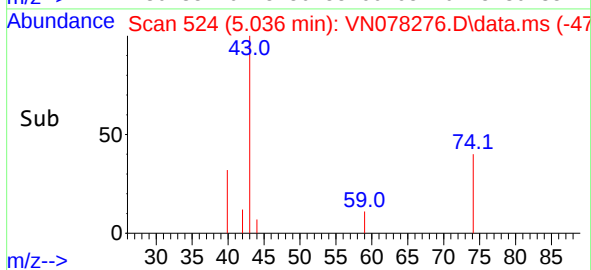
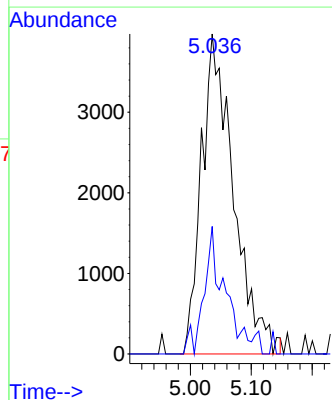
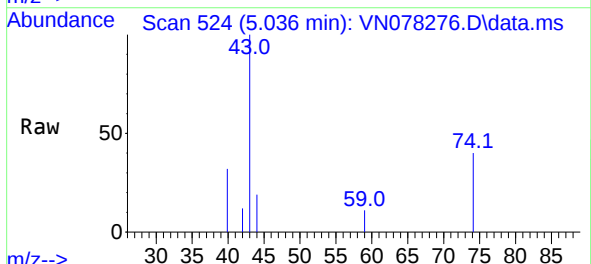
Instrument :
MSVOA_N
ClientSampleId :
WC-1

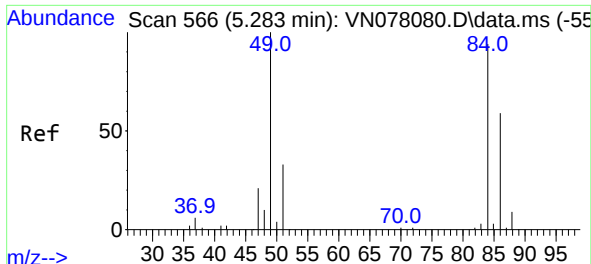
Tgt Ion: 43 Resp: 713
Ion Ratio Lower Upper
43 100
58 44.9 28.0 42.0#



#18
Methyl Acetate
Concen: 2.213 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.000 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

Tgt Ion: 43 Resp: 14526
Ion Ratio Lower Upper
43 100
74 24.7 26.2 39.4#

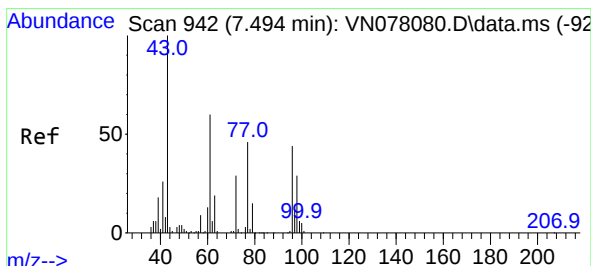
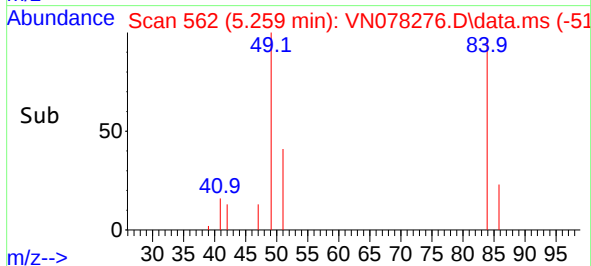
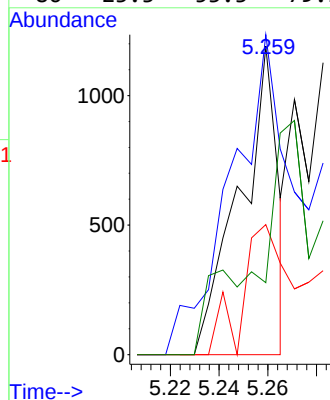
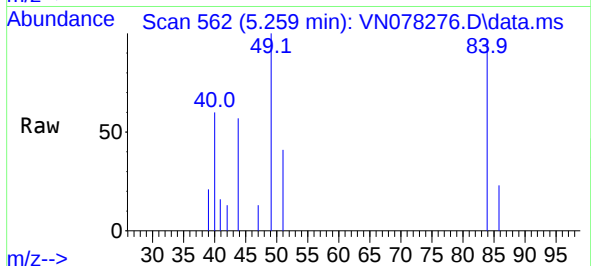




#20
Methylene Chloride
Concen: 0.275 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.023 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

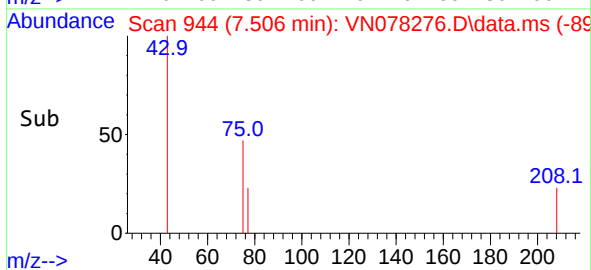
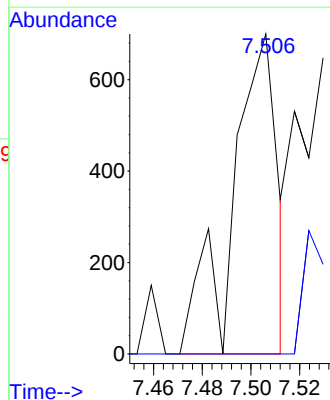
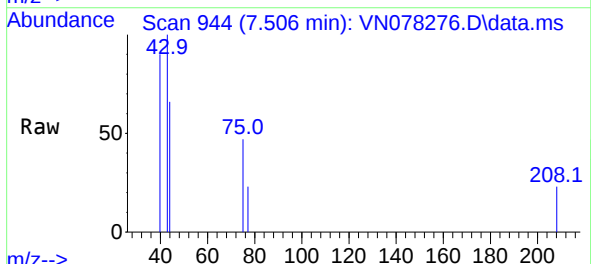
Instrument :
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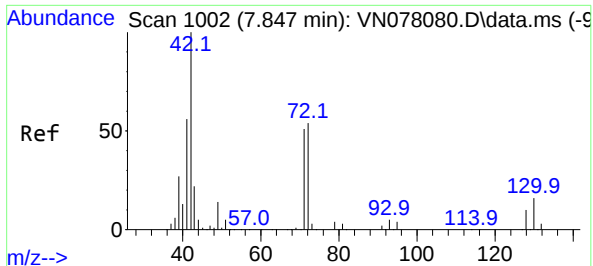
Tgt Ion: 84	Resp:	1296	
Ion	Ratio	Lower	Upper
84	100		
49	87.7	79.7	119.5
51	42.1	25.2	37.8#
86	23.3	53.3	79.9#



#25
2-Butanone
Concen: 0.408 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

Tgt Ion: 43	Resp:	894	
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.2	45.2#

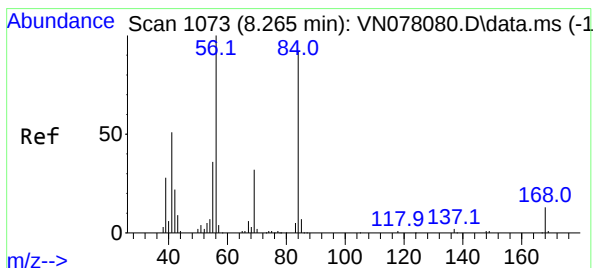
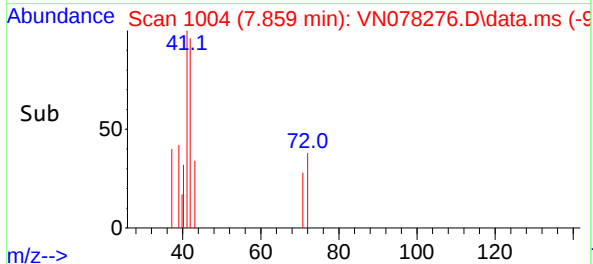
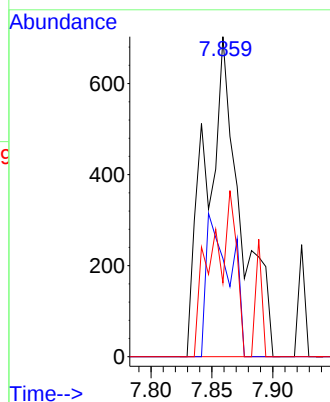
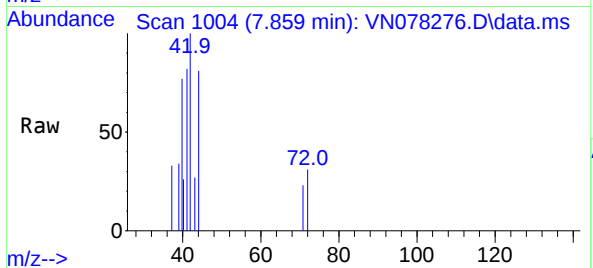




#29
Tetrahydrofuran
Concen: 0.947 ug/l
RT: 7.859 min Scan# 1067
Delta R.T. 0.012 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

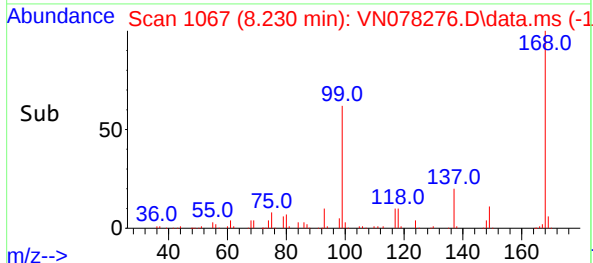
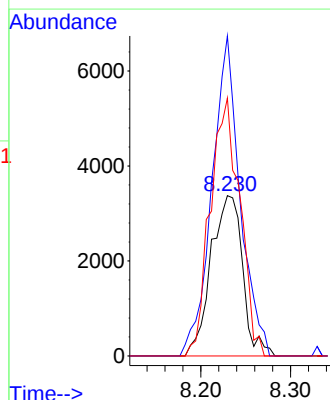
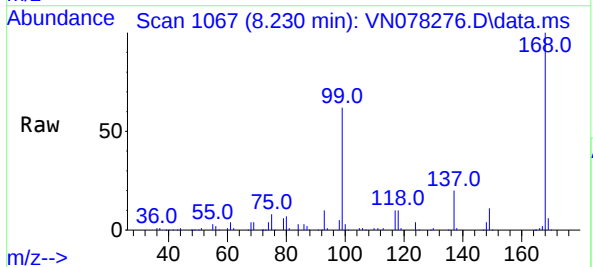
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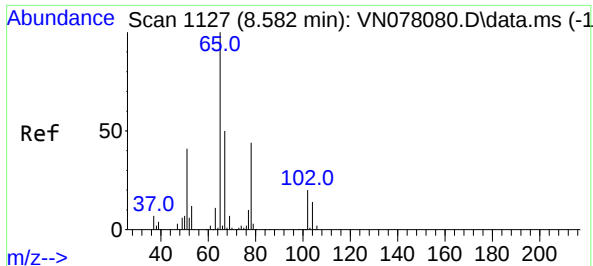
Tgt Ion: 42 Resp: 1387
Ion Ratio Lower Upper
42 100
72 30.7 49.8 74.6#
71 37.1 47.4 71.2#



#31
Cyclohexane
Concen: 1.296 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

Tgt Ion: 56 Resp: 8234
Ion Ratio Lower Upper
56 100
69 199.5 26.8 40.2#
84 160.8 81.8 122.6#

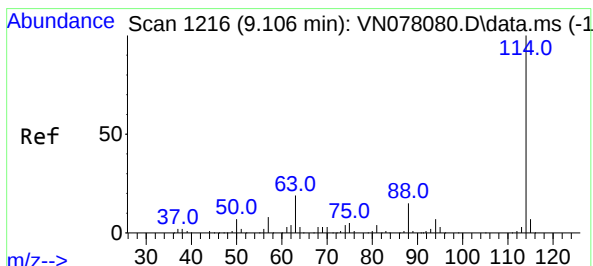
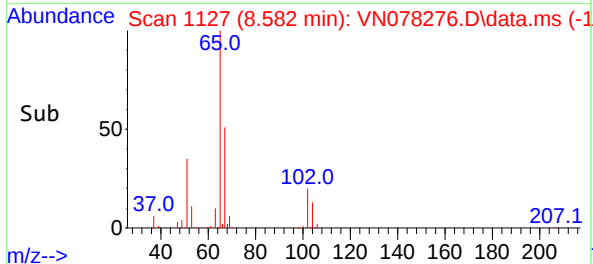
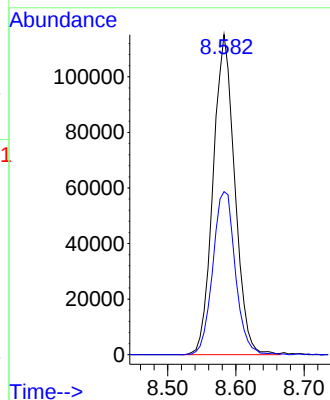
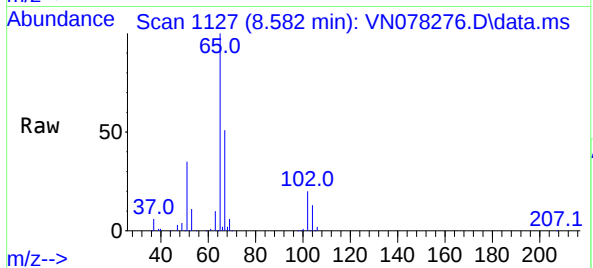




#33
1,2-Dichloroethane-d4
Concen: 51.403 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

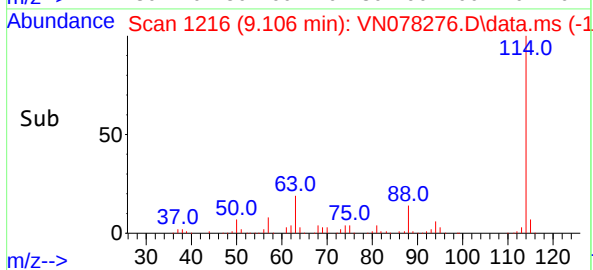
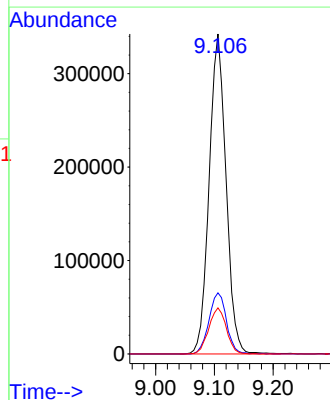
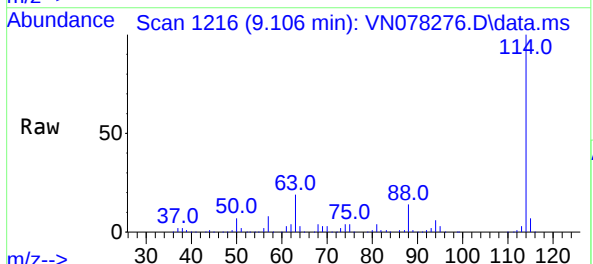
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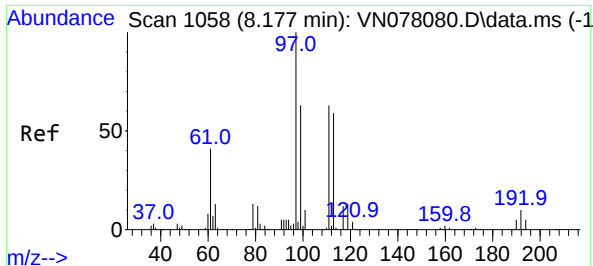
Tgt Ion: 65 Resp: 254557
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

Tgt Ion: 114 Resp: 681912
Ion Ratio Lower Upper
114 100
63 19.1 0.0 36.4
88 14.4 0.0 30.6

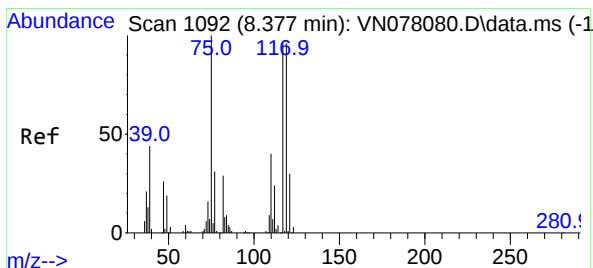
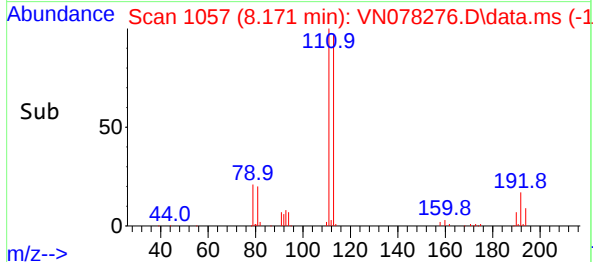
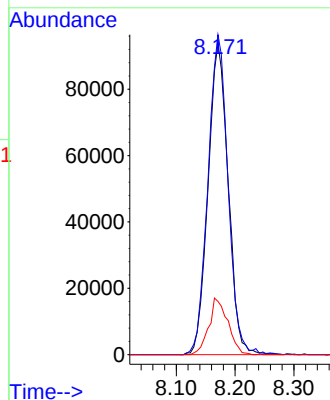
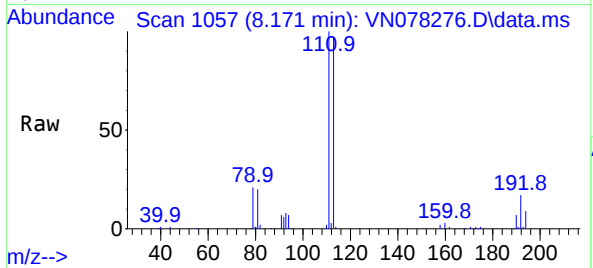




#35
Dibromofluoromethane
Concen: 51.681 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

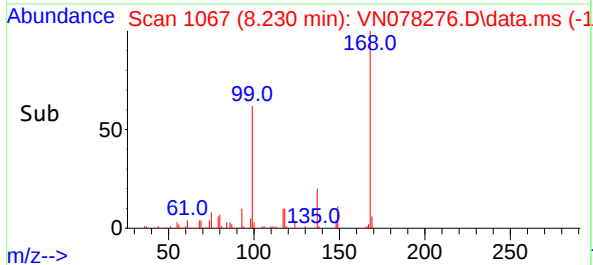
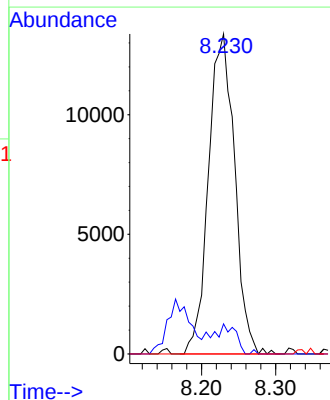
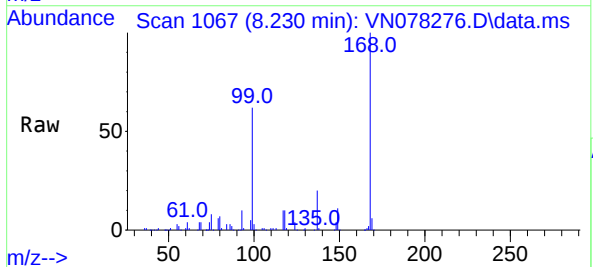
Instrument :
MSVOA_N
ClientSampleId :
WC-1

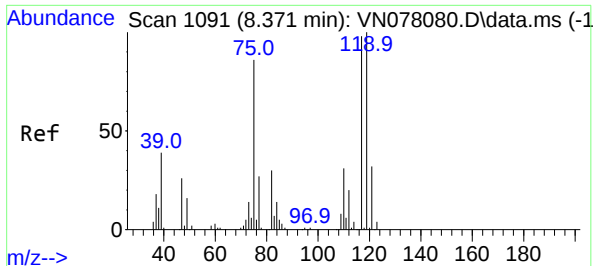
Tgt Ion:113 Resp: 222832
Ion Ratio Lower Upper
113 100
111 102.9 82.6 123.8
192 17.2 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.288 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

Tgt Ion: 75 Resp: 32703
Ion Ratio Lower Upper
75 100
110 8.4 19.1 57.3#
77 0.0 25.0 37.4#

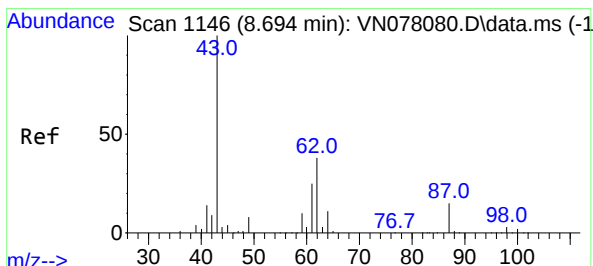
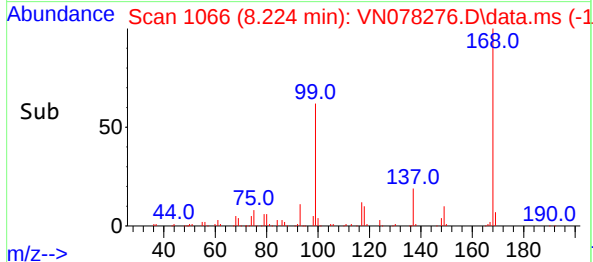
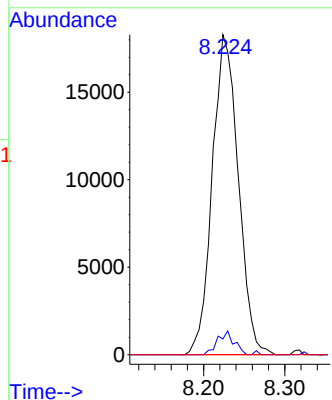
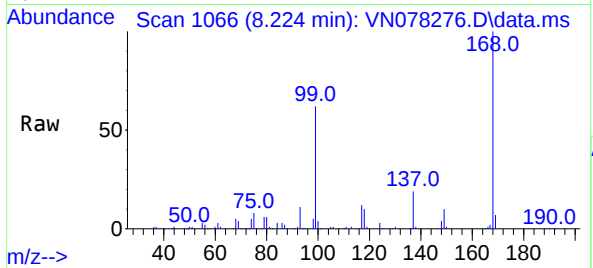




#38
Carbon Tetrachloride
Concen: 6.233 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

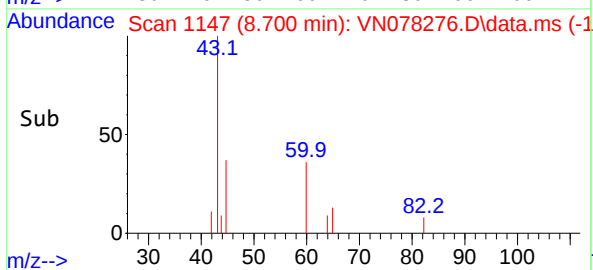
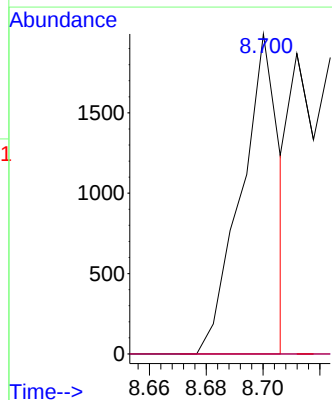
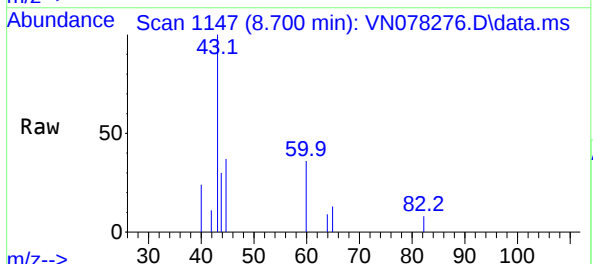
Instrument :
MSVOA_N
ClientSampleId :
WC-1

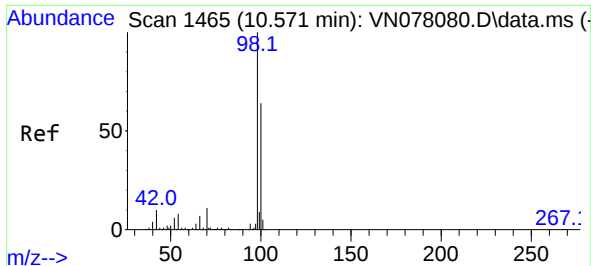
Tgt Ion:117 Resp: 40701
Ion Ratio Lower Upper
117 100
119 4.9 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.202 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

Tgt Ion: 43 Resp: 1870
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

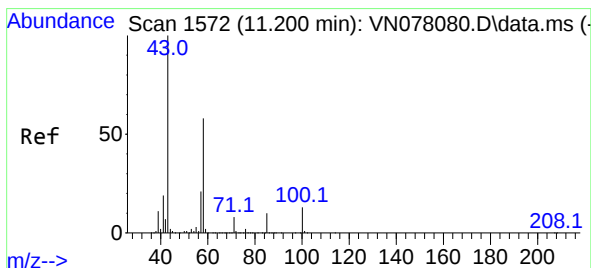
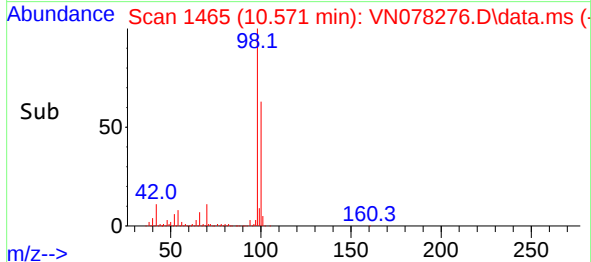
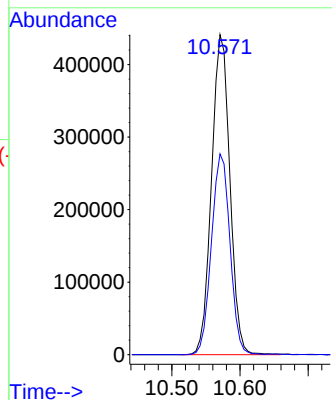
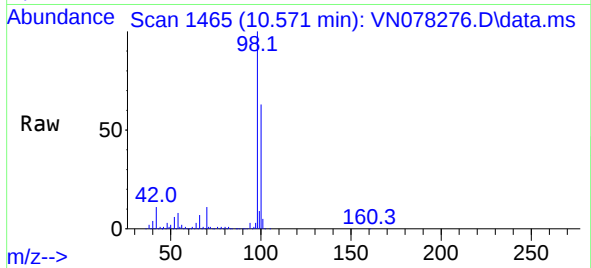




#50
Toluene-d8
Concen: 49.732 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

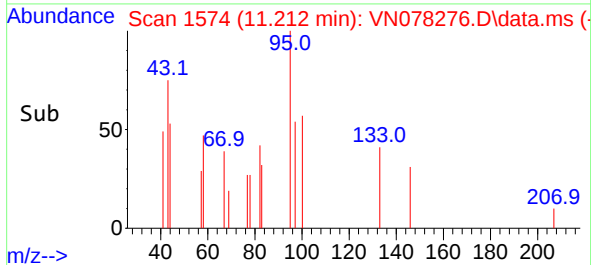
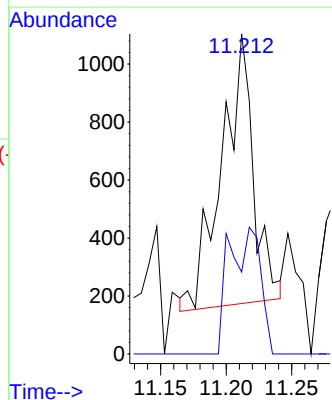
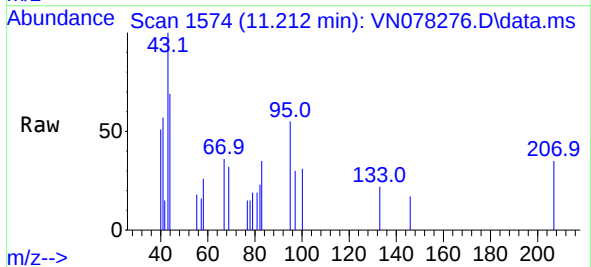
Instrument :
MSVOA_N
ClientSampleId :
WC-1

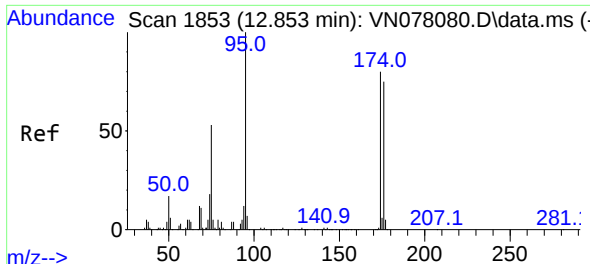
Tgt Ion: 98 Resp: 826635
Ion Ratio Lower Upper
98 100
100 63.4 52.0 78.0



#59
2-Hexanone
Concen: 0.463 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

Tgt Ion: 43 Resp: 1569
Ion Ratio Lower Upper
43 100
58 46.0 31.7 95.1

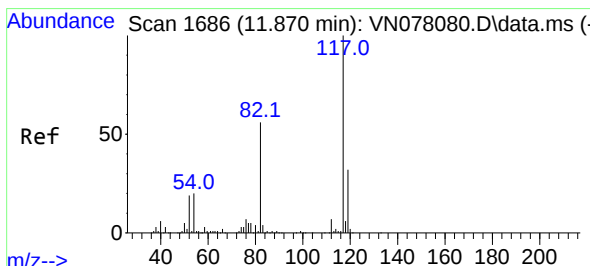
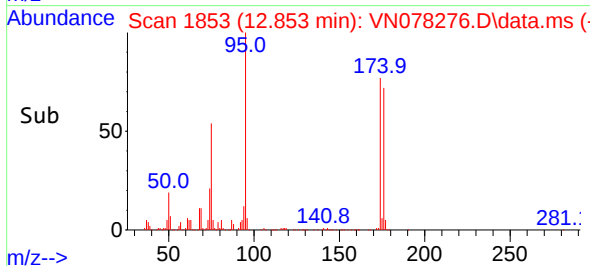
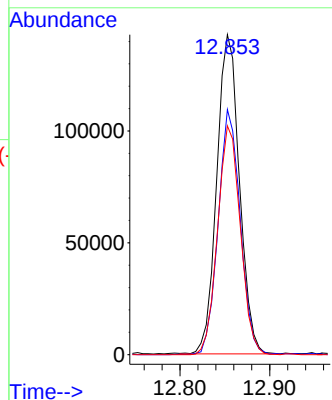
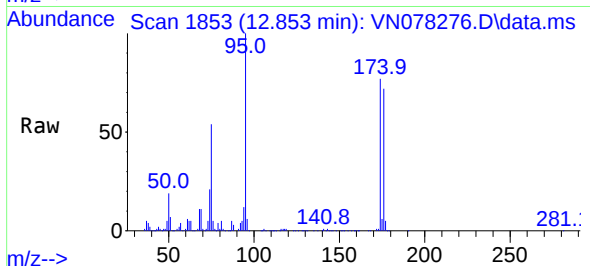




#62
4-Bromofluorobenzene
Concen: 48.346 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

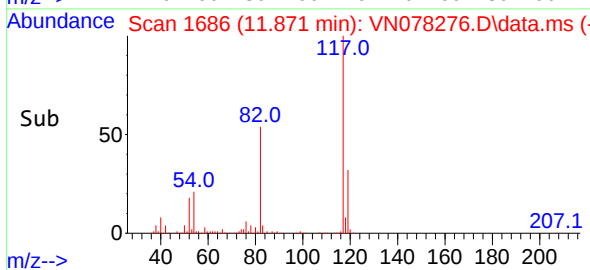
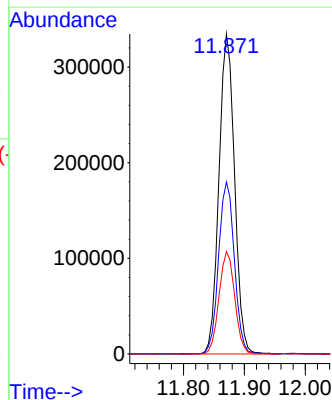
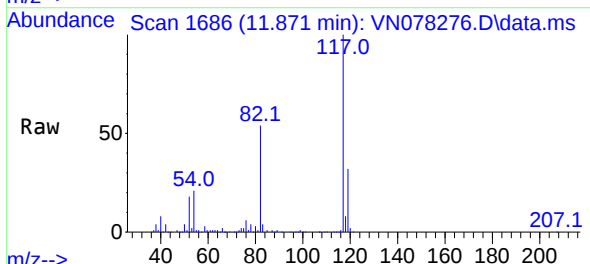
Instrument :
MSVOA_N
ClientSampleId :
WC-1

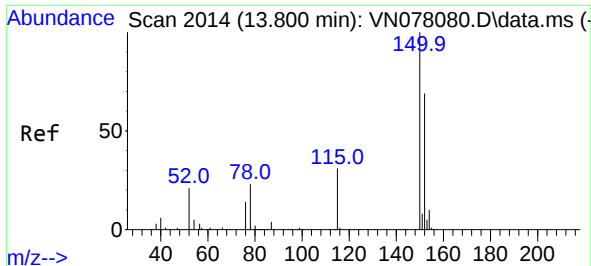
Tgt Ion: 95 Resp: 249817
Ion Ratio Lower Upper
95 100
174 74.8 0.0 143.8
176 71.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

Tgt Ion: 117 Resp: 596244
Ion Ratio Lower Upper
117 100
82 53.7 44.0 66.0
119 32.0 25.6 38.4

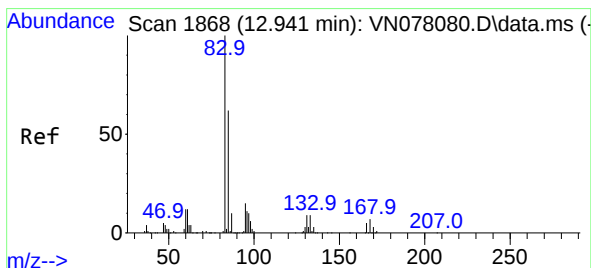
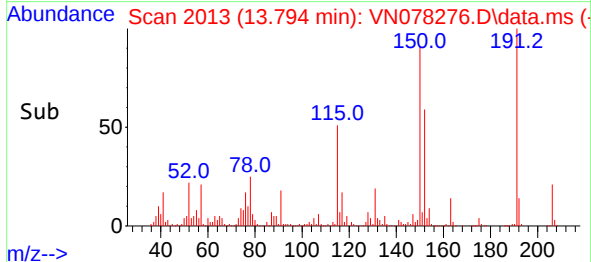
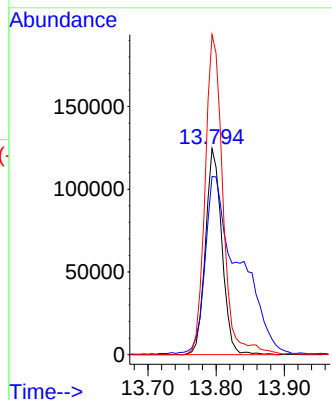
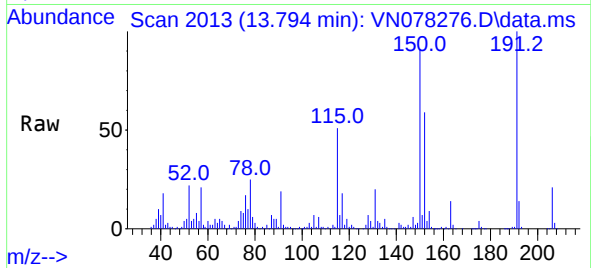




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

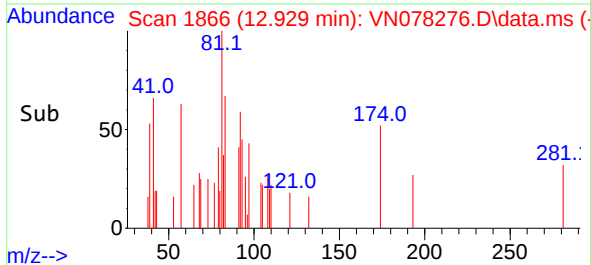
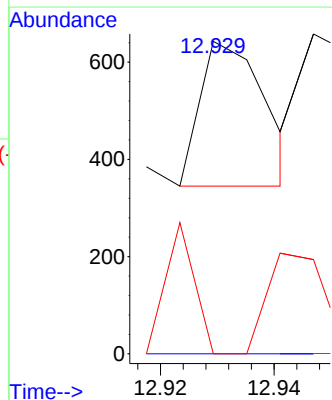
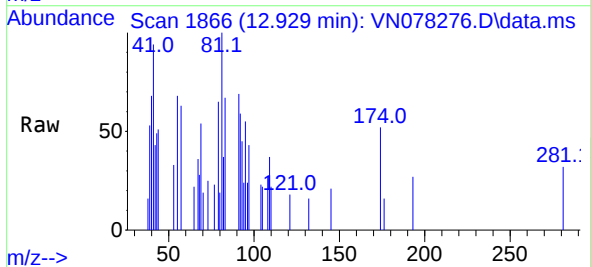
Instrument :
MSVOA_N
ClientSampleId :
WC-1

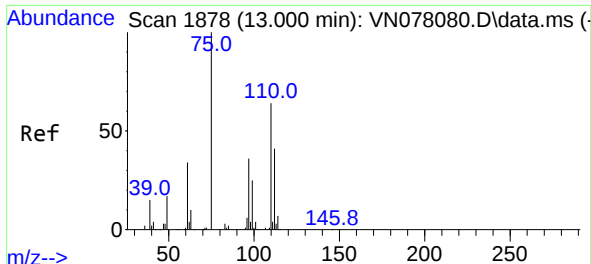
Tgt Ion:152 Resp: 209047
Ion Ratio Lower Upper
152 100
115 178.1 32.3 96.8#
150 168.4 0.0 355.8



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.929 min Scan# 1866
Delta R.T. -0.012 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

Tgt Ion: 83 Resp: 237
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 40.1 31.9 95.7

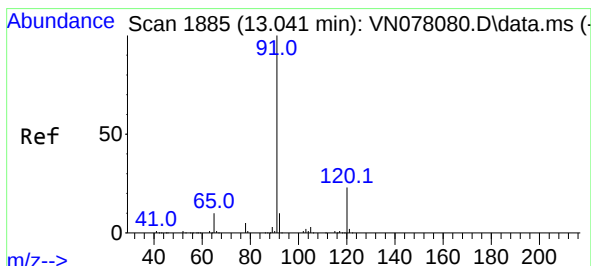
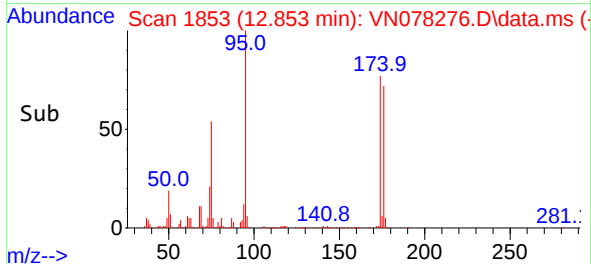
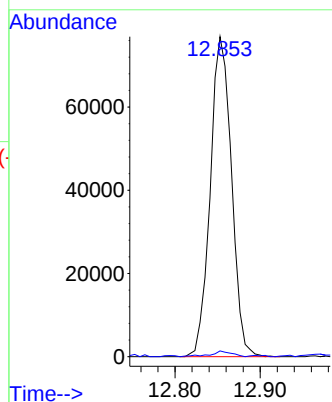
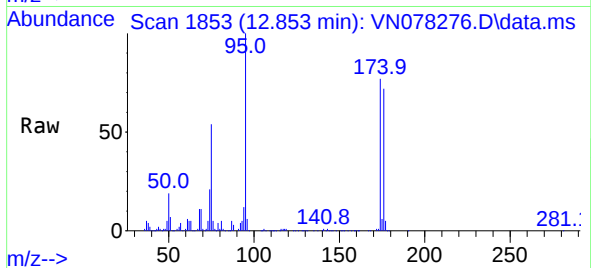




#76
1,2,3-Trichloropropane
Concen: 26.913 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

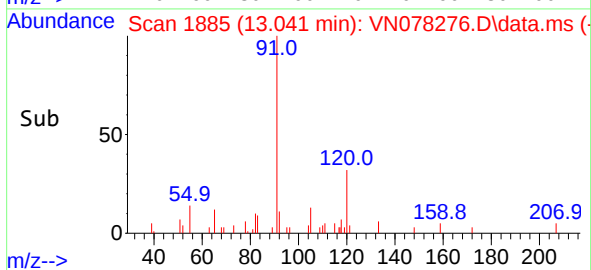
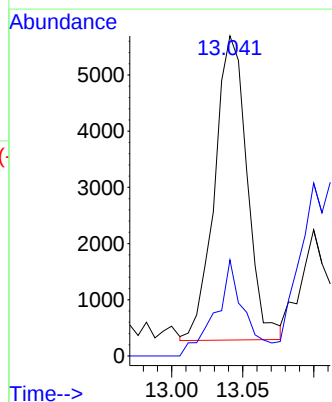
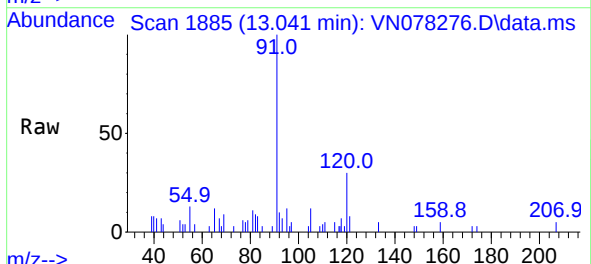
Instrument :
MSVOA_N
ClientSampleId :
WC-1

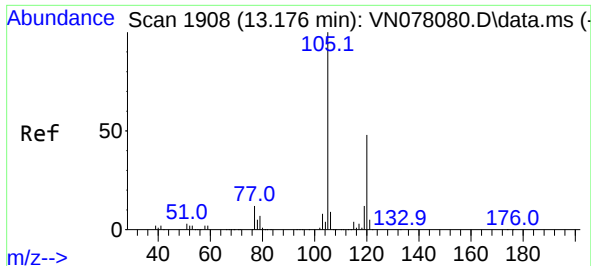
Tgt Ion: 75 Resp: 133003
Ion Ratio Lower Upper
75 100
77 1.8 84.5 253.5#



#78
n-propylbenzene
Concen: 0.401 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

Tgt Ion: 91 Resp: 8602
Ion Ratio Lower Upper
91 100
120 28.1 11.5 34.4

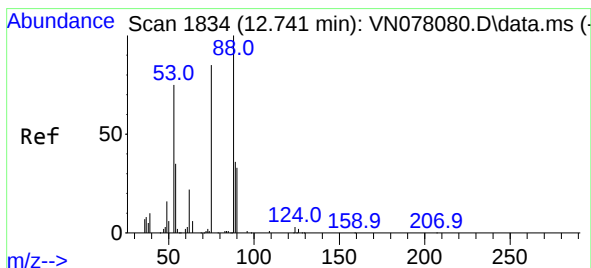
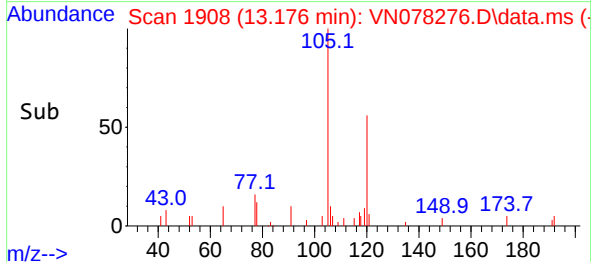
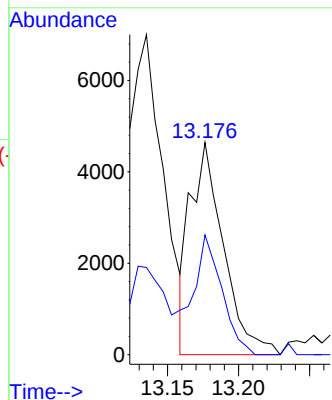
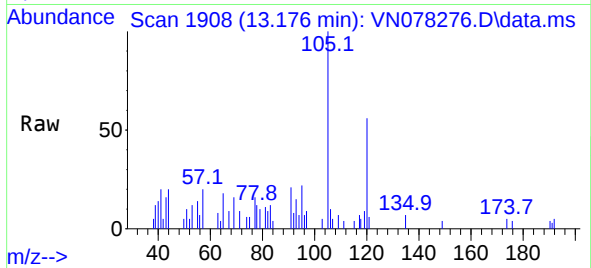




#80
1,3,5-Trimethylbenzene
Concen: 0.472 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

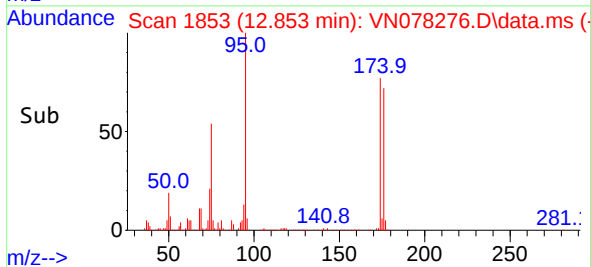
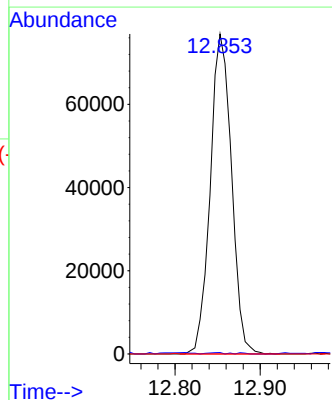
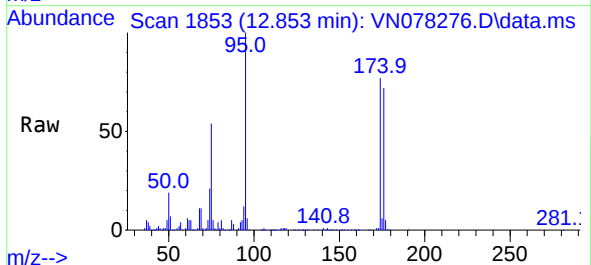
Instrument :
MSVOA_N
ClientSampleId :
WC-1

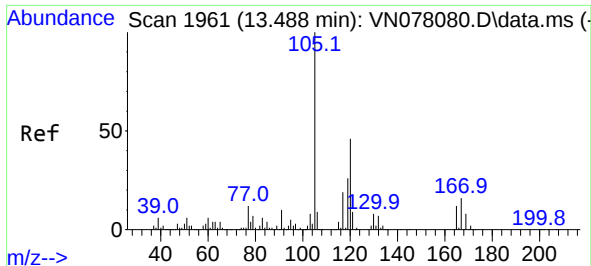
Tgt Ion:105 Resp: 7560
Ion Ratio Lower Upper
105 100
120 46.5 24.1 72.3



#81
trans-1,4-Dichloro-2-butene
Concen: 82.685 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

Tgt Ion: 75 Resp: 133003
Ion Ratio Lower Upper
75 100
53 0.3 67.4 101.2#
89 0.0 38.8 58.2#

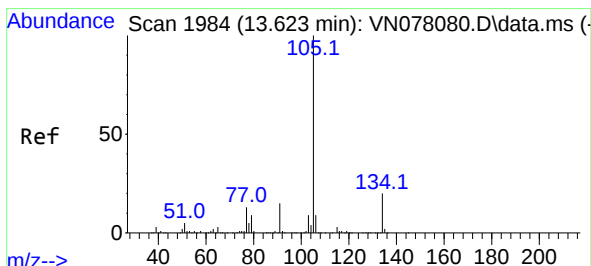
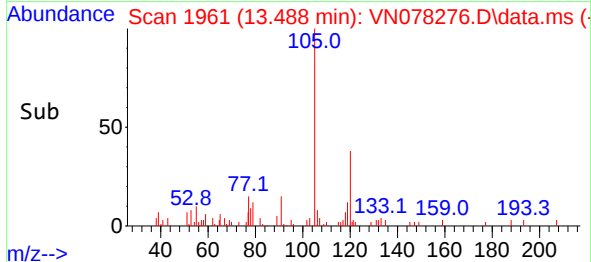
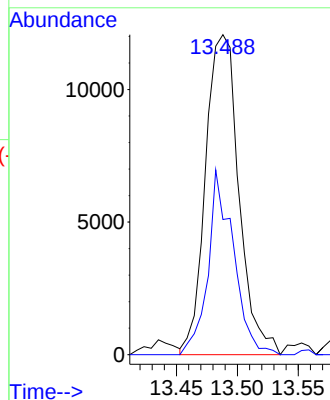
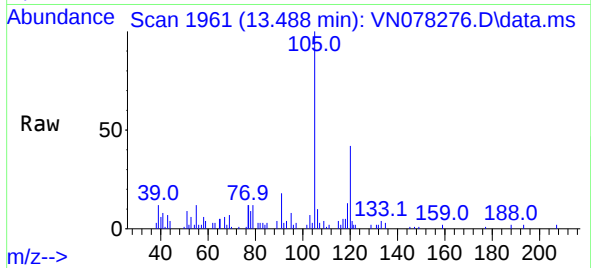




#84
1,2,4-Trimethylbenzene
Concen: 1.482 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

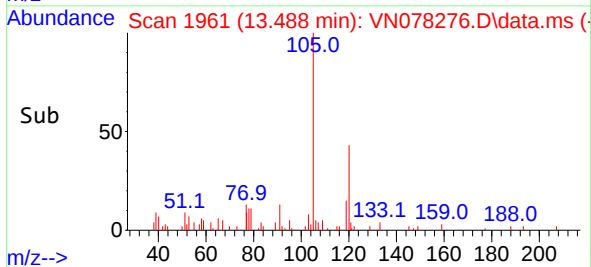
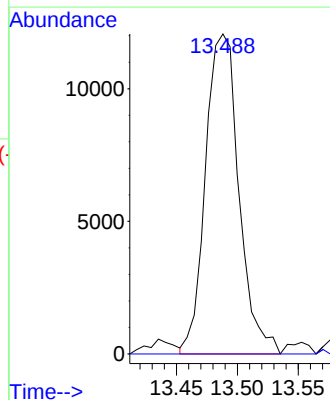
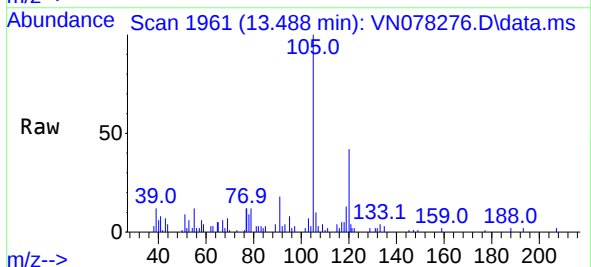
Instrument :
MSVOA_N
ClientSampleId :
WC-1

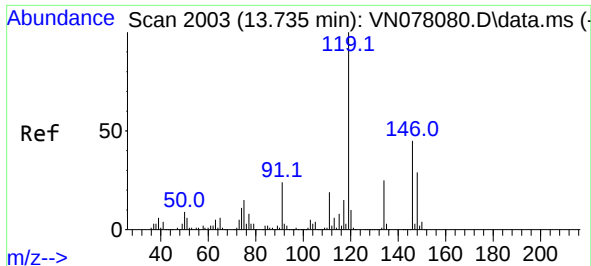
Tgt Ion:105 Resp: 22998
Ion Ratio Lower Upper
105 100
120 44.0 22.0 66.0



#85
sec-Butylbenzene
Concen: 1.263 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. -0.135 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

Tgt Ion:105 Resp: 22998
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#

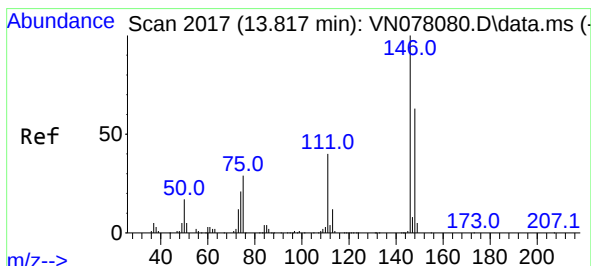
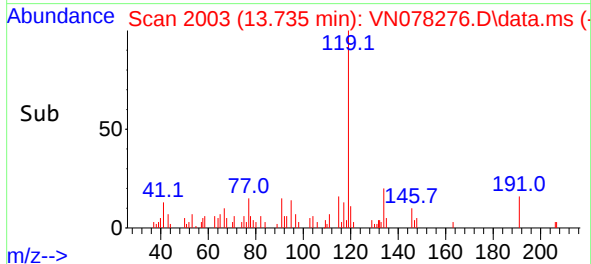
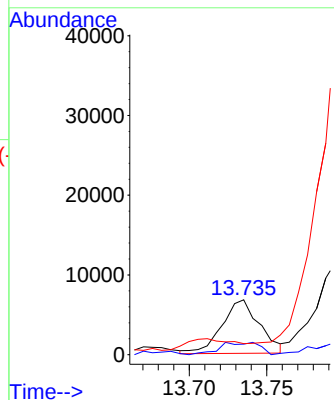
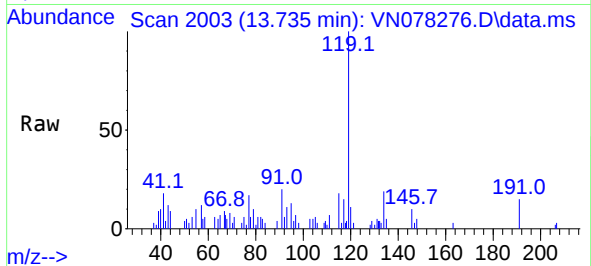




#86
p-Isopropyltoluene
Concen: 0.767 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

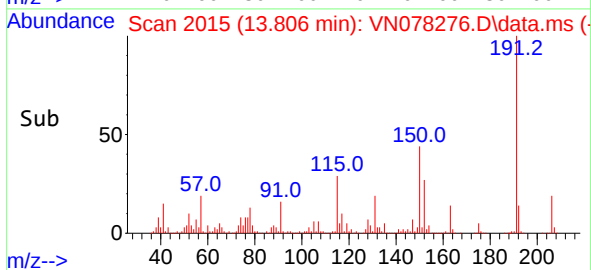
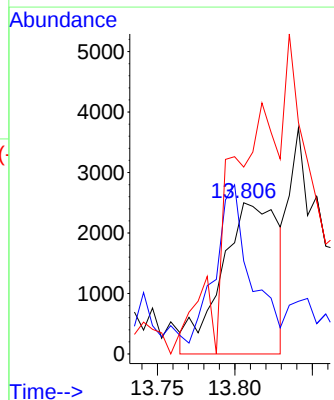
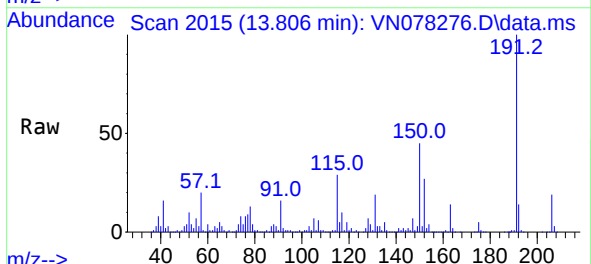
Instrument :
MSVOA_N
ClientSampleId :
WC-1

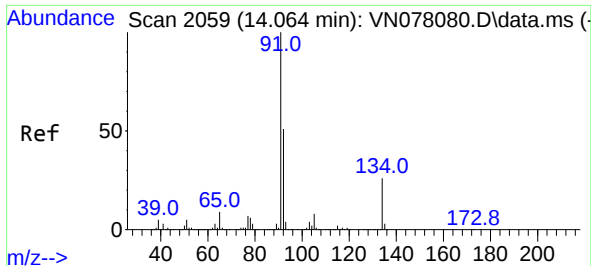
Tgt Ion:	119	Resp:	11329
Ion	Ratio	Lower	Upper
119	100		
134	24.6	12.6	37.8
91	0.0	12.4	37.2#



#88
1,4-Dichlorobenzene
Concen: 0.845 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.012 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

Tgt Ion:	146	Resp:	6326
Ion	Ratio	Lower	Upper
146	100		
111	66.1	20.6	61.8#
148	0.0	31.6	94.8#

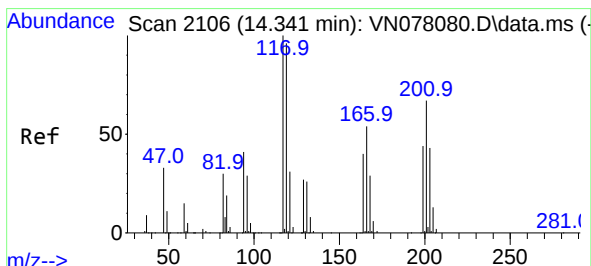
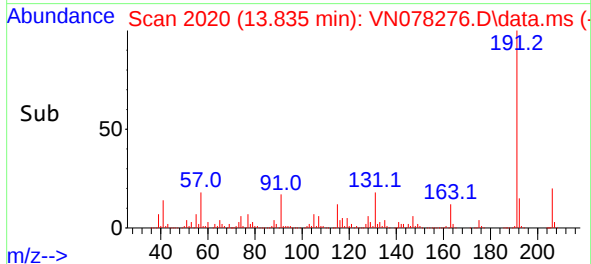
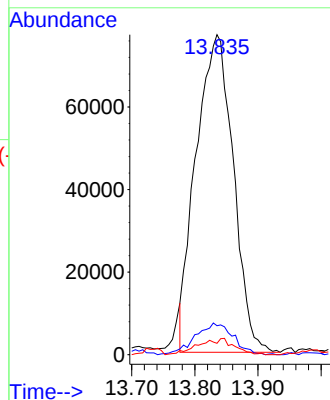
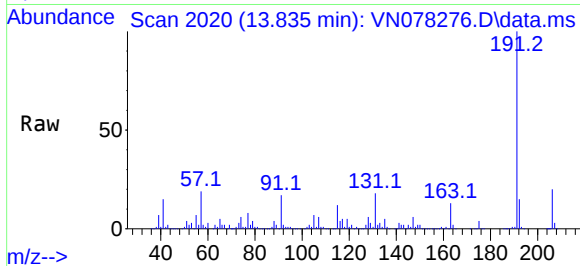




#89
n-Butylbenzene
Concen: 27.087 ug/l
RT: 13.835 min Scan# 2059
Delta R.T. -0.229 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

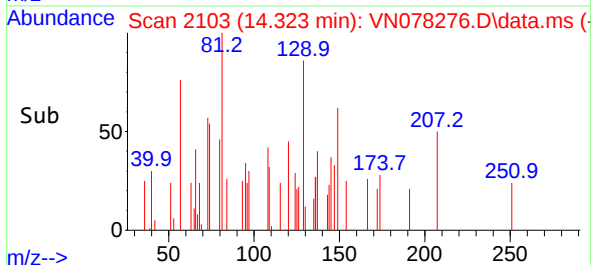
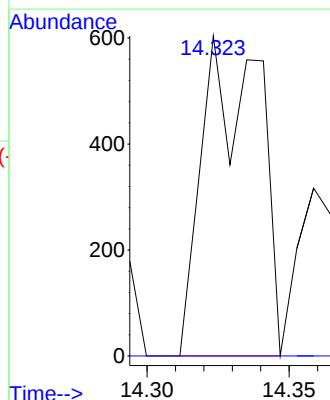
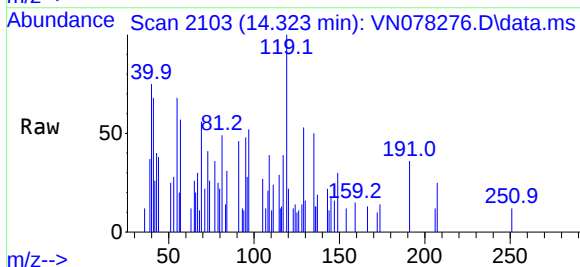
Instrument :
MSVOA_N
ClientSampleId :
WC-1

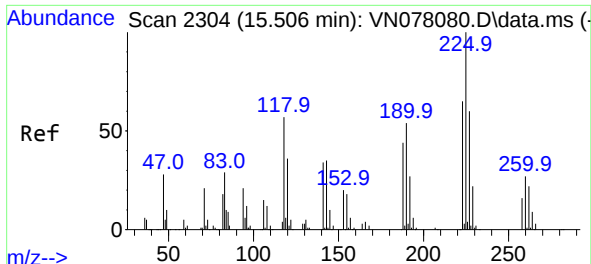
Tgt Ion: 91 Resp: 315702
Ion Ratio Lower Upper
91 100
92 9.6 26.4 79.0#
134 1.7 12.6 37.6#



#90
Hexachloroethane
Concen: 0.320 ug/l
RT: 14.323 min Scan# 2103
Delta R.T. -0.018 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

Tgt Ion: 117 Resp: 838
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#

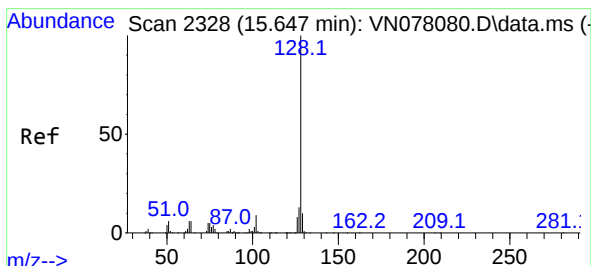
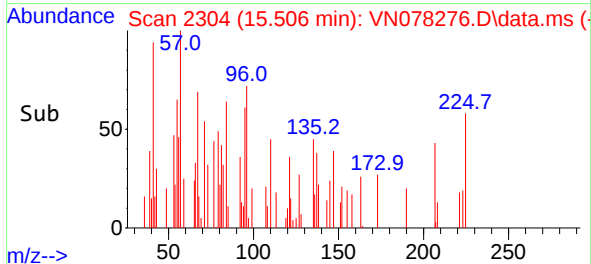
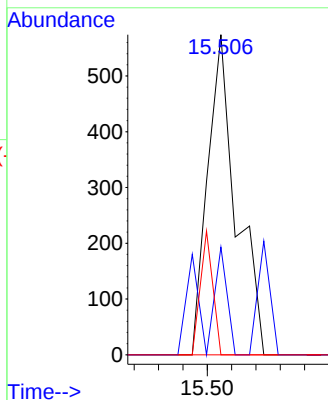
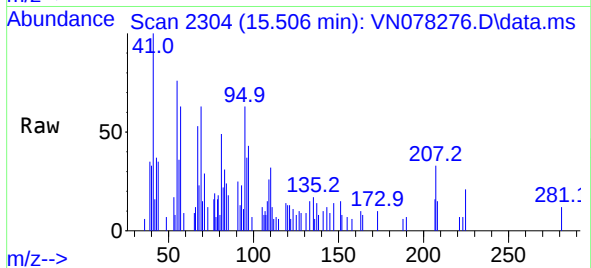




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.506 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

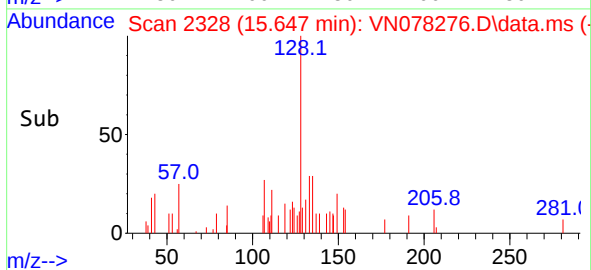
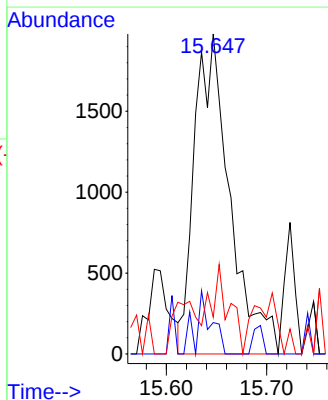
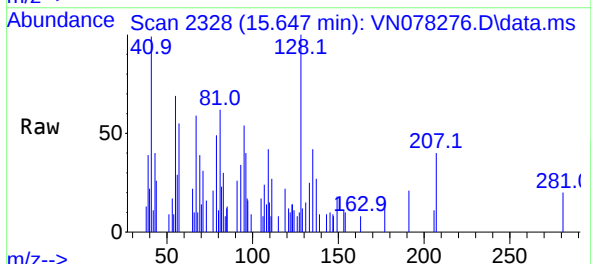
Instrument :
MSVOA_N
ClientSampleId :
WC-1

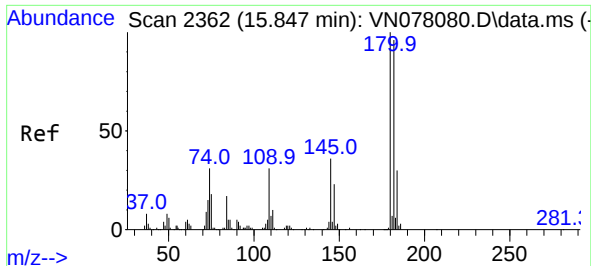
Tgt Ion	Ratio	Lower	Upper
225	100		
223	28.2	31.3	93.8#
227	16.7	31.9	95.9#



#95
Naphthalene
Concen: 0.533 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.000 min
Lab File: VN078276.D
Acq: 19 Jun 2023 13:48

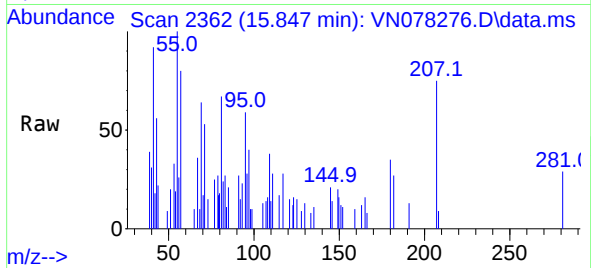
Tgt Ion	Ratio	Lower	Upper
128	100		
127	8.6	10.0	15.0#
129	14.4	8.7	13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.377 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN078276.D
 Acq: 19 Jun 2023 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1



Tgt Ion:	180	Resp:	1139
Ion	Ratio	Lower	Upper
180	100		
182	120.3	46.2	138.6
145	75.2	17.5	52.6#

