

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080823\
 Data File : VN078800.D
 Acq On : 08 Aug 2023 14:24
 Operator : JC\MD
 Sample : 03919-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-36

Quant Time: Aug 09 02:48:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080723W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 05:03:52 2023
 Response via : Initial Calibration

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

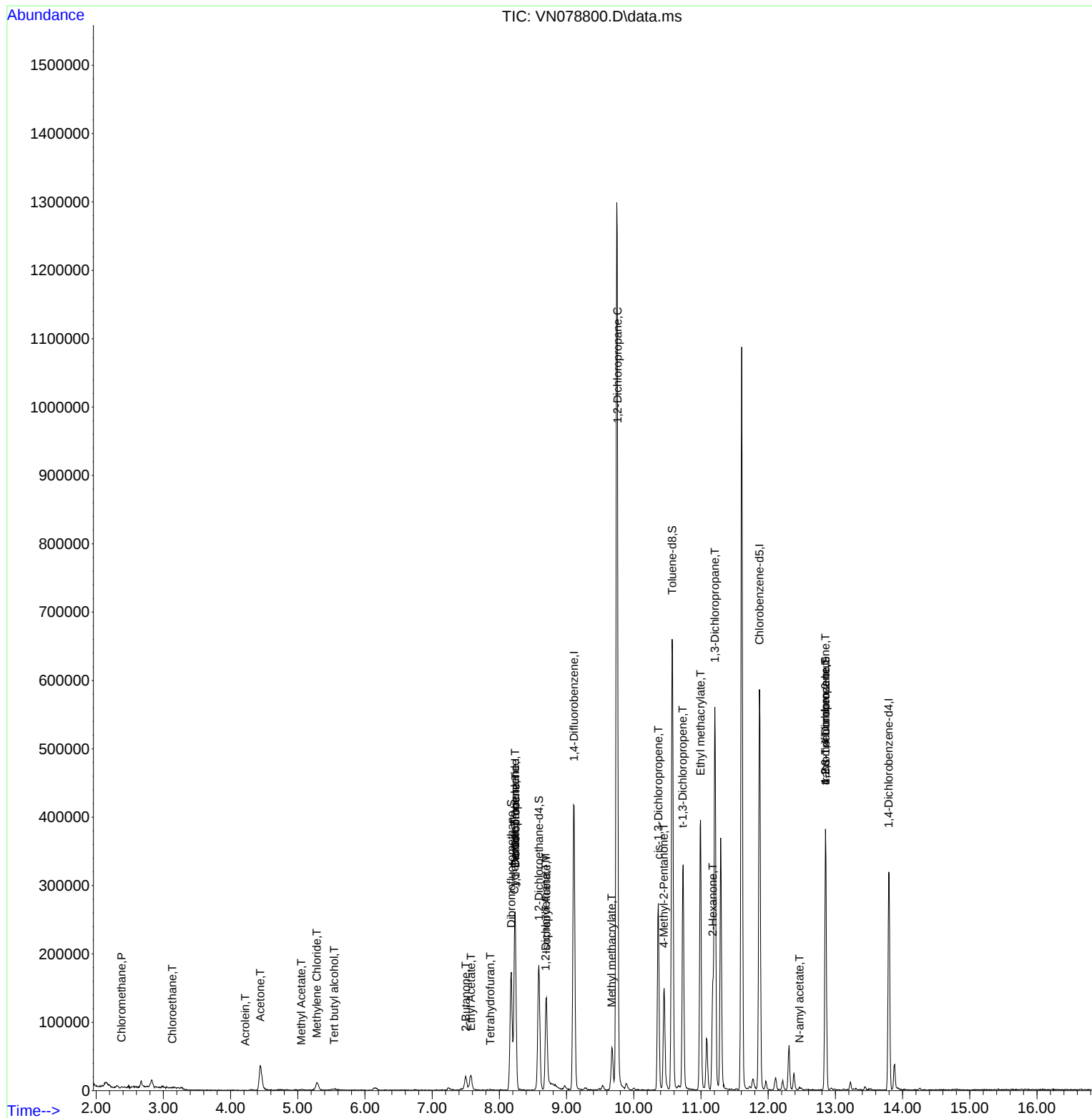
Internal Standards						
1) Pentafluorobenzene	8.235	168	183990	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	352036	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	320271	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	83728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	142816	51.777	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.560%			
35) Dibromofluoromethane	8.177	113	115634	48.640	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.280%			
50) Toluene-d8	10.571	98	442589	50.590	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.180%			
62) 4-Bromofluorobenzene	12.853	95	121297	46.392	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.780%			
Target Compounds						Qvalue
3) Chloromethane	2.377	50	677	0.214	ug/l #	42
6) Chloroethane	3.136	64	501	0.255	ug/l #	43
11) Tert butyl alcohol	5.542	59	895	1.849	ug/l #	92
13) Acrolein	4.218	56	130	0.317	ug/l #	16
16) Acetone	4.442	43	67780	63.866	ug/l #	83
18) Methyl Acetate	5.053	43	1736	0.364	ug/l #	42
20) Methylene Chloride	5.283	84	8132	3.094	ug/l #	76
25) 2-Butanone	7.500	43	31321	17.428	ug/l #	83
29) Tetrahydrofuran	7.865	42	668	0.555	ug/l #	36
31) Cyclohexane	8.224	56	5219	1.288	ug/l #	53
36) 1,1-Dichloropropene	8.241	75	17848	4.839	ug/l #	45
37) Ethyl Acetate	7.577	43	35208	8.978	ug/l #	90
38) Carbon Tetrachloride	8.235	117	19809	5.210	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	804	0.201	ug/l #	73
43) Isopropyl Acetate	8.700	43	161661	24.452	ug/l #	77
45) 1,2-Dichloropropane	9.759	63	1698	0.568	ug/l #	45
48) Methyl methacrylate	9.671	41	4199	1.375	ug/l #	34
51) 4-Methyl-2-Pentanone	10.447	43	115310	28.474	ug/l #	80
53) t-1,3-Dichloropropene	10.729	75	826	0.204	ug/l	99
54) cis-1,3-Dichloropropene	10.365	75	46308	10.530	ug/l #	71
56) Ethyl methacrylate	10.994	69	1530	0.390	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5745	1.220	ug/l #	44
59) 2-Hexanone	11.176	43	130834	45.627	ug/l #	19
74) N-amyl acetate	12.465	43	3558	0.952	ug/l #	40
76) 1,2,3-Trichloropropane	12.853	75	67235	29.701	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	67235	79.698	ug/l #	15

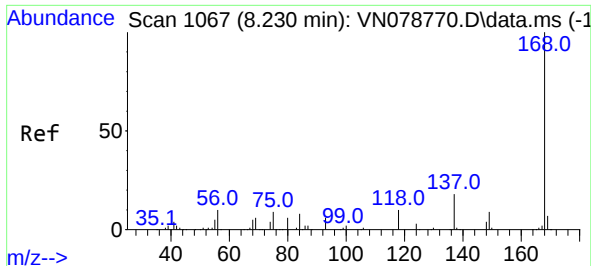
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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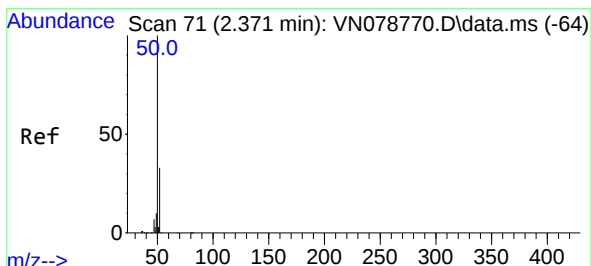
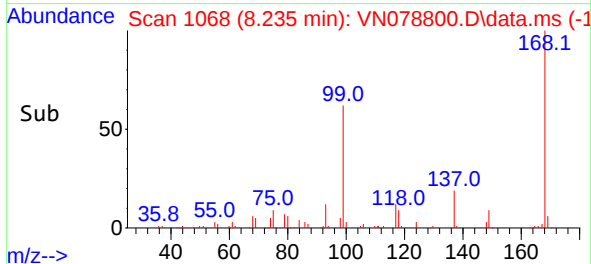
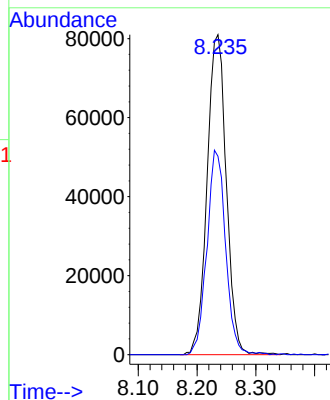
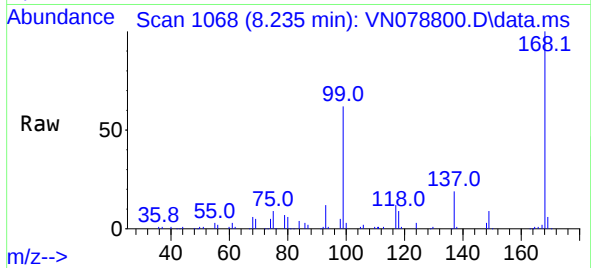




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN078800.D
Acq: 08 Aug 2023 14:24

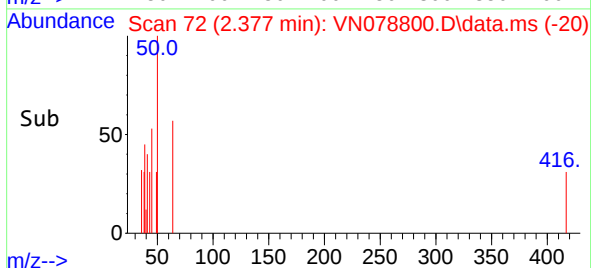
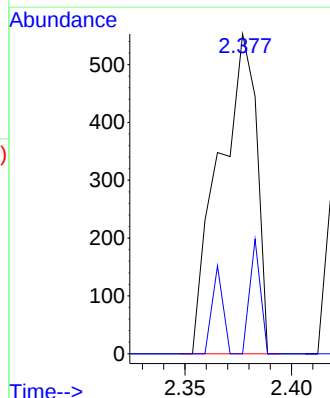
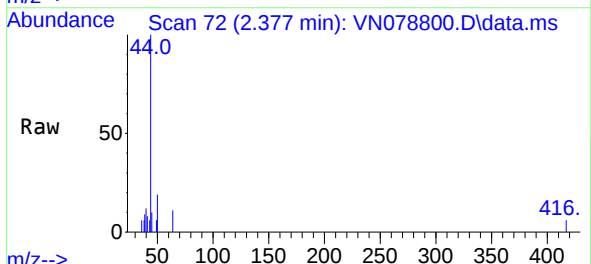
Instrument :
MSVOA_N
ClientSampleId :
TP-36

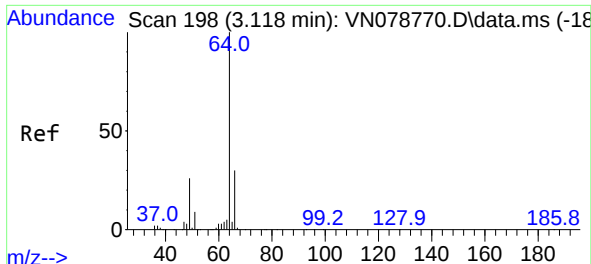
Tgt Ion:168 Resp: 183990
Ion Ratio Lower Upper
168 100
99 62.0 53.0 79.6



#3
Chloromethane
Concen: 0.214 ug/l
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078800.D
Acq: 08 Aug 2023 14:24

Tgt Ion: 50 Resp: 677
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

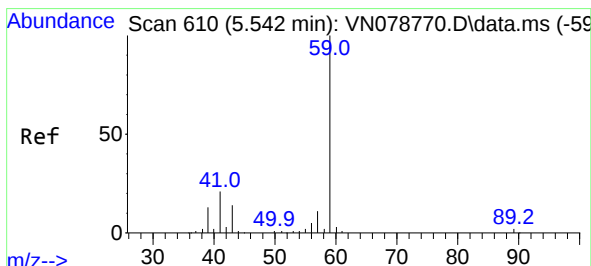
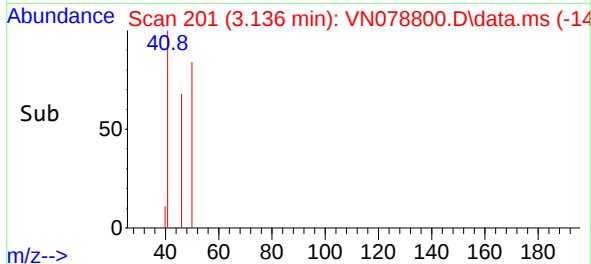
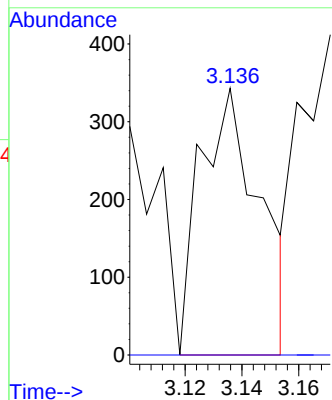
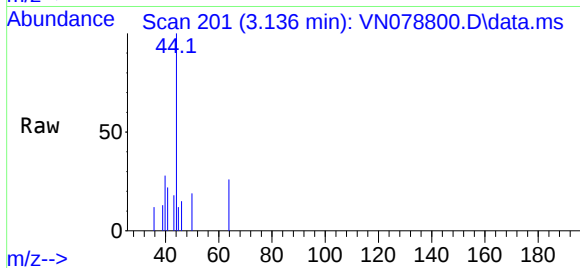




#6
Chloroethane
Concen: 0.255 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.017 min
Lab File: VN078800.D
Acq: 08 Aug 2023 14:24

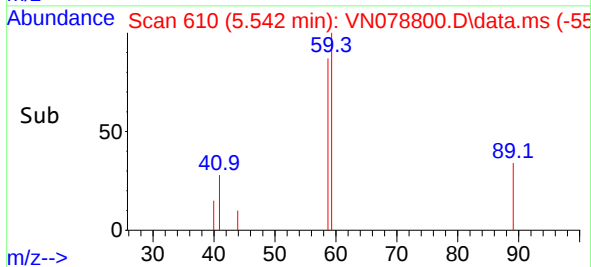
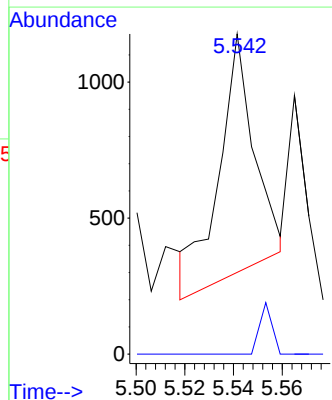
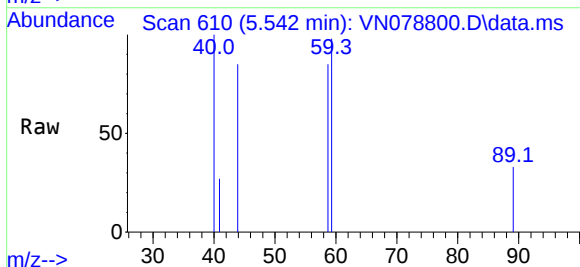
Instrument :
MSVOA_N
ClientSampleId :
TP-36

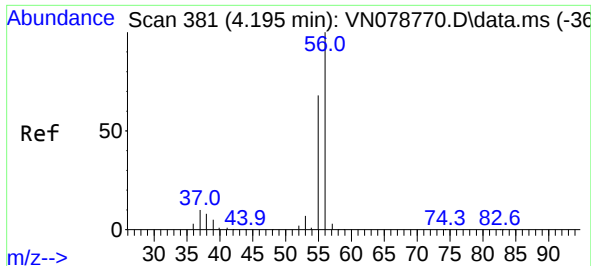
Tgt Ion: 64 Resp: 501
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 1.849 ug/l
RT: 5.542 min Scan# 610
Delta R.T. -0.000 min
Lab File: VN078800.D
Acq: 08 Aug 2023 14:24

Tgt Ion: 59 Resp: 895
Ion Ratio Lower Upper
59 100
57 7.5 8.2 12.4#

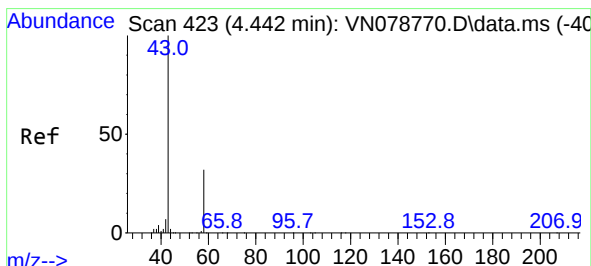
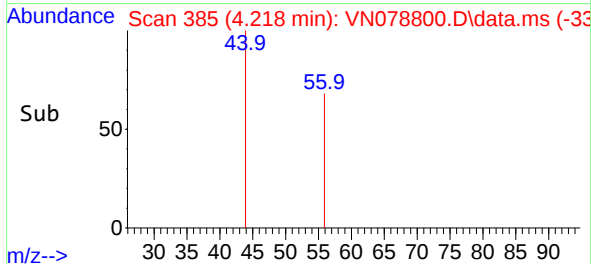
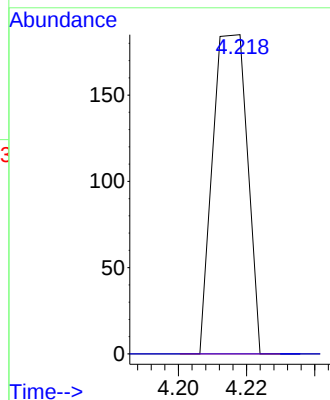
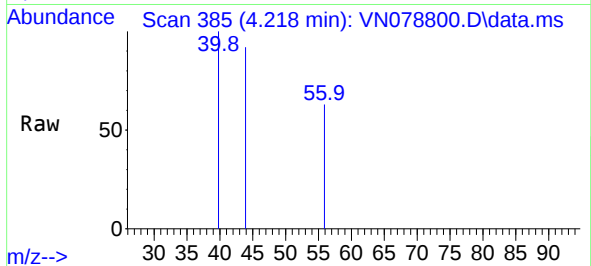




#13
Acrolein
Concen: 0.317 ug/l
RT: 4.218 min Scan# 385
Delta R.T. 0.023 min
Lab File: VN078800.D
Acq: 08 Aug 2023 14:24

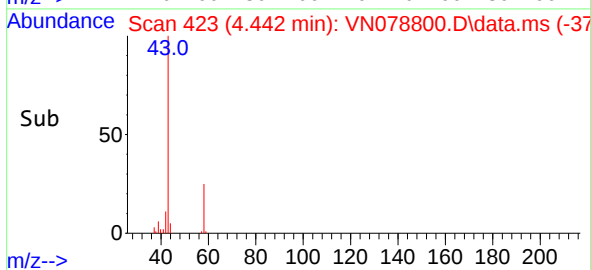
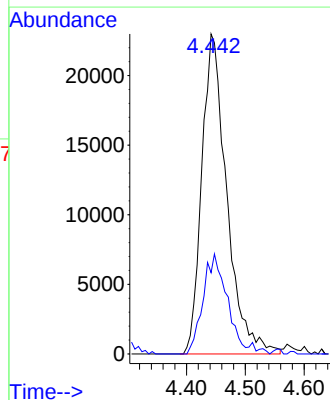
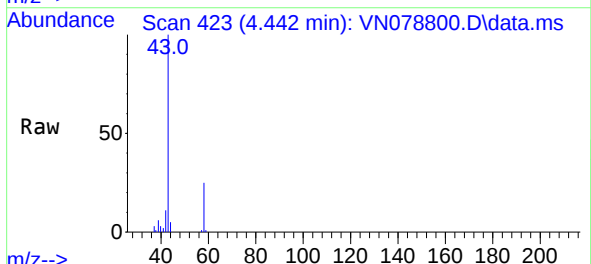
Instrument :
MSVOA_N
ClientSampleId :
TP-36

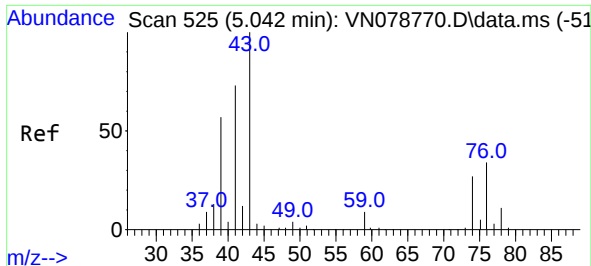
Tgt Ion: 56 Resp: 130
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 63.866 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.000 min
Lab File: VN078800.D
Acq: 08 Aug 2023 14:24

Tgt Ion: 43 Resp: 67780
Ion Ratio Lower Upper
43 100
58 25.4 28.0 42.0#

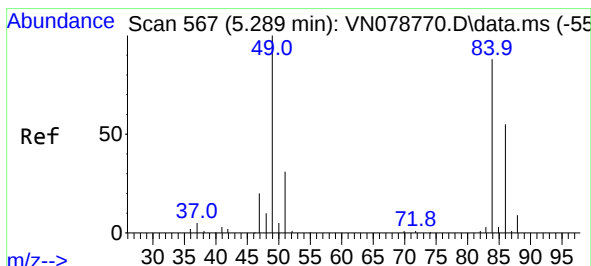
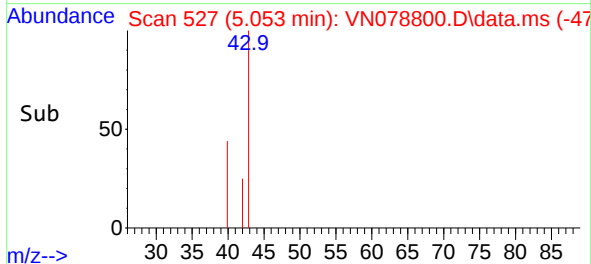
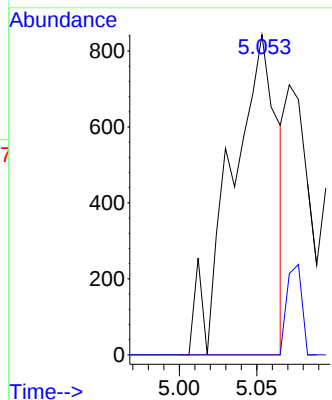
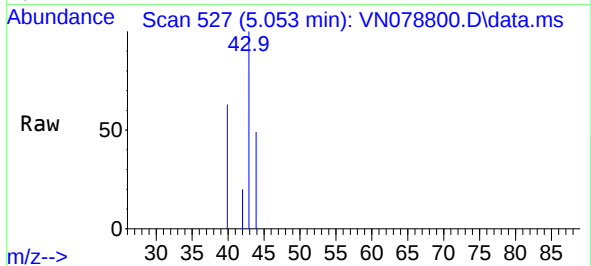




#18
Methyl Acetate
Concen: 0.364 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN078800.D
Acq: 08 Aug 2023 14:24

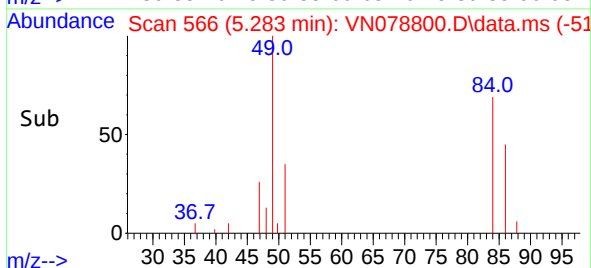
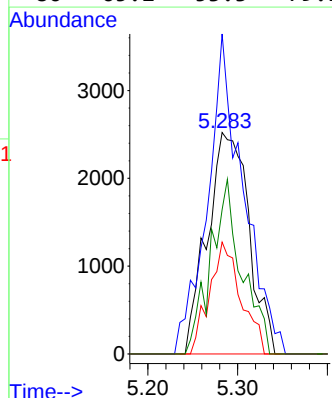
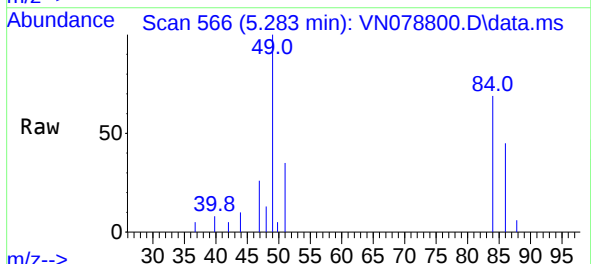
Instrument :
MSVOA_N
ClientSampleId :
TP-36

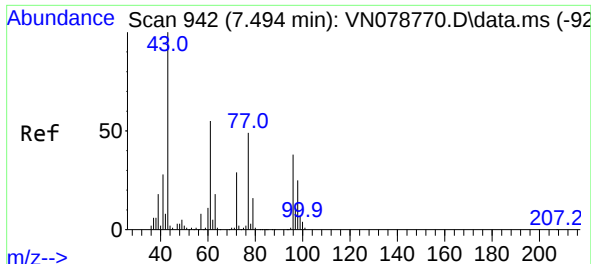
Tgt Ion: 43 Resp: 1736
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



#20
Methylene Chloride
Concen: 3.094 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.006 min
Lab File: VN078800.D
Acq: 08 Aug 2023 14:24

Tgt Ion: 84 Resp: 8132
Ion Ratio Lower Upper
84 100
49 134.5 79.7 119.5#
51 50.5 25.2 37.8#
86 65.2 53.3 79.9

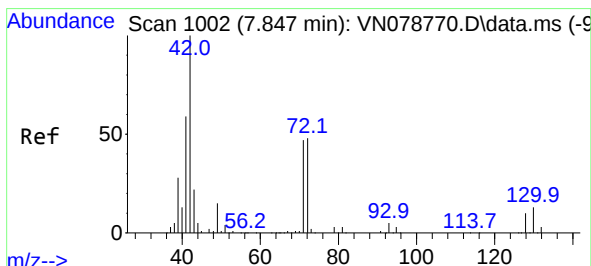
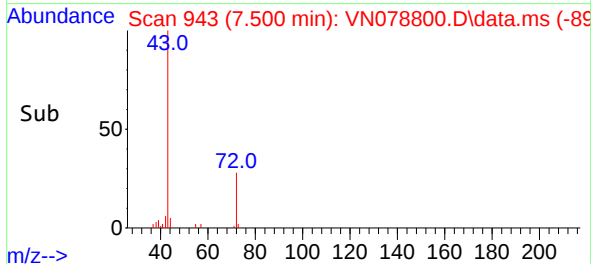
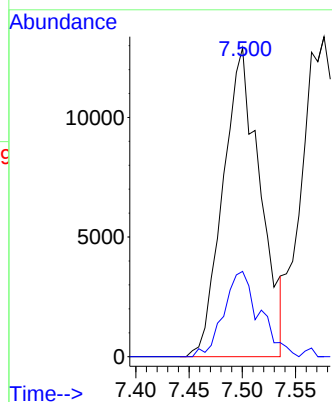
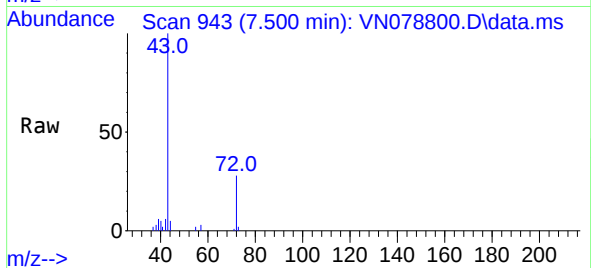




#25
2-Butanone
Concen: 17.428 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN078800.D
Acq: 08 Aug 2023 14:24

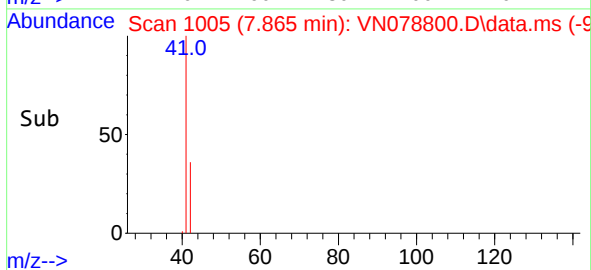
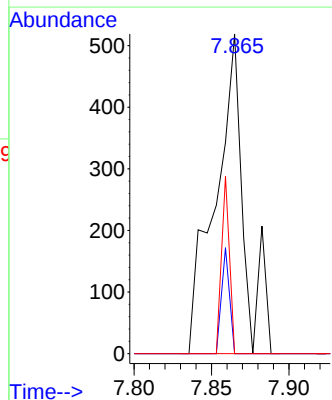
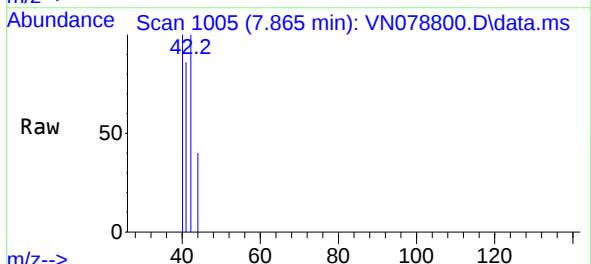
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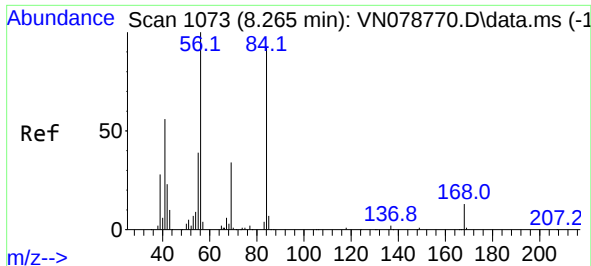
Tgt Ion: 43 Resp: 31321
Ion Ratio Lower Upper
43 100
72 27.6 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.555 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.018 min
Lab File: VN078800.D
Acq: 08 Aug 2023 14:24

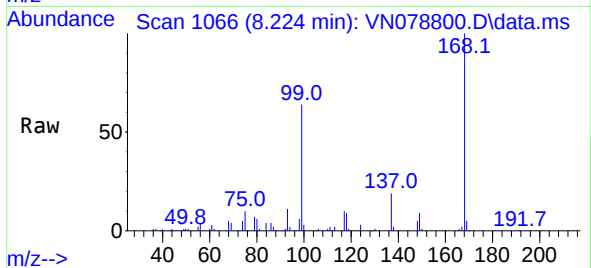
Tgt Ion: 42 Resp: 668
Ion Ratio Lower Upper
42 100
72 9.1 49.8 74.6#
71 15.3 47.4 71.2#



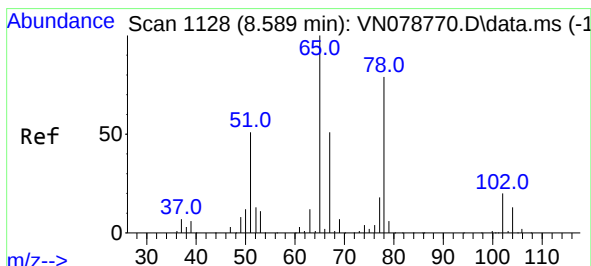
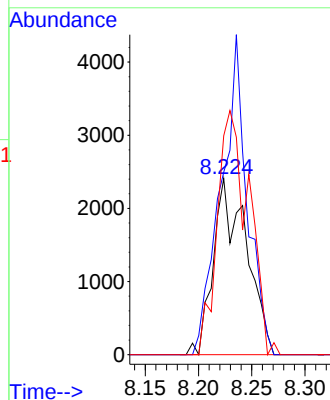
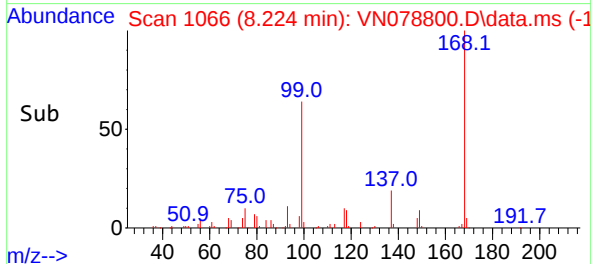


#31
Cyclohexane
Concen: 1.288 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN078800.D
Acq: 08 Aug 2023 14:24

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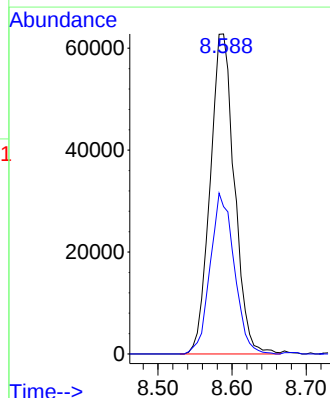
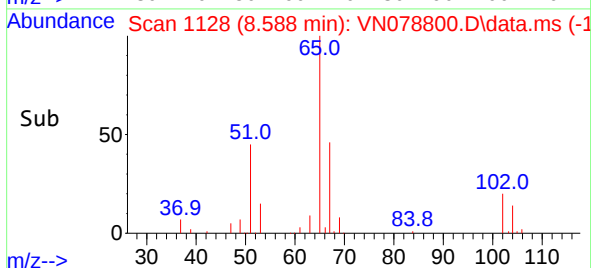
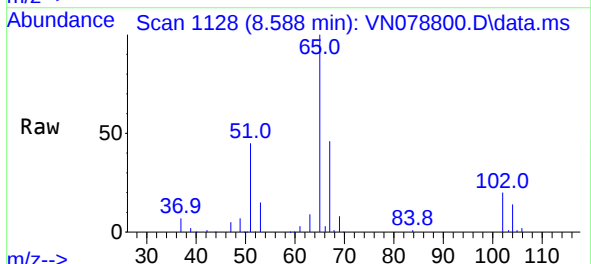


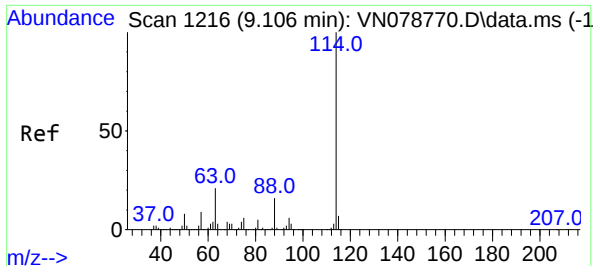
Tgt Ion: 56 Resp: 5219
Ion Ratio Lower Upper
56 100
69 103.6 26.8 40.2#
84 124.3 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 51.777 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN078800.D
Acq: 08 Aug 2023 14:24

Tgt Ion: 65 Resp: 142816
Ion Ratio Lower Upper
65 100
67 49.8 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078800.D

Acq: 08 Aug 2023 14:24

Instrument :

MSVOA_N

ClientSampleId :

TP-36

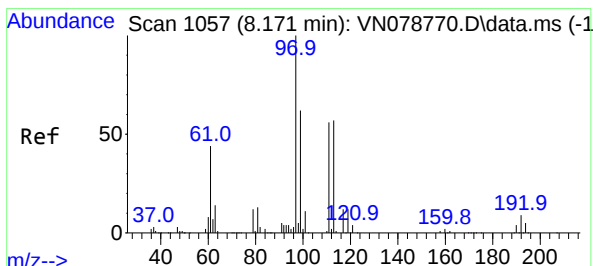
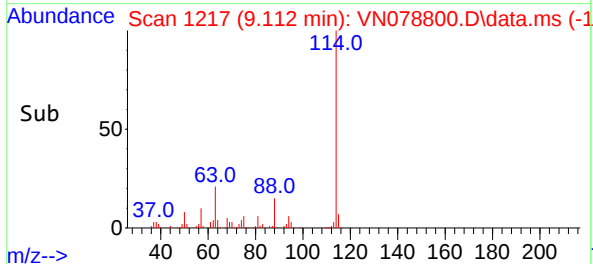
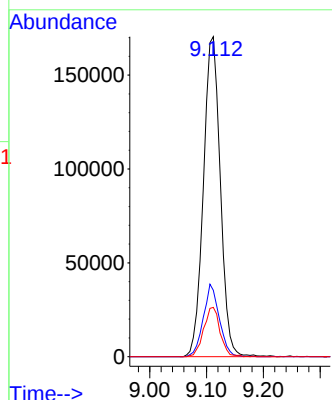
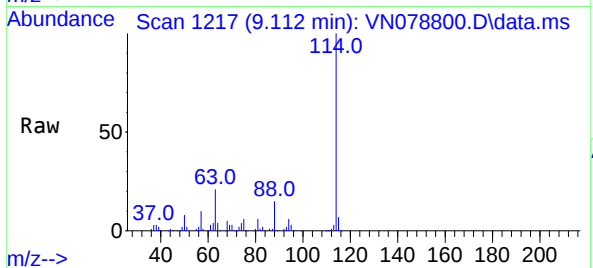
Tgt Ion:114 Resp: 352036

Ion Ratio Lower Upper

114 100

63 20.7 0.0 36.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.640 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN078800.D

Acq: 08 Aug 2023 14:24

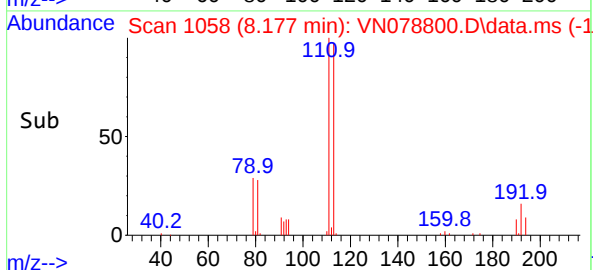
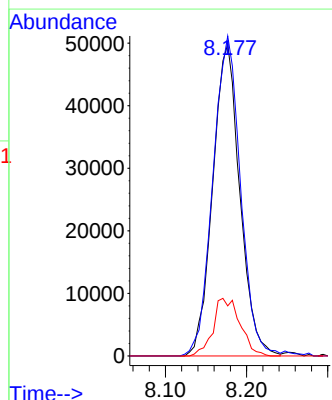
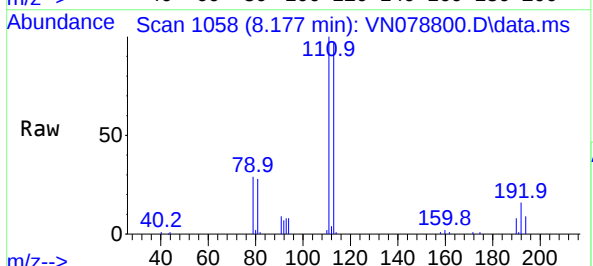
Tgt Ion:113 Resp: 115634

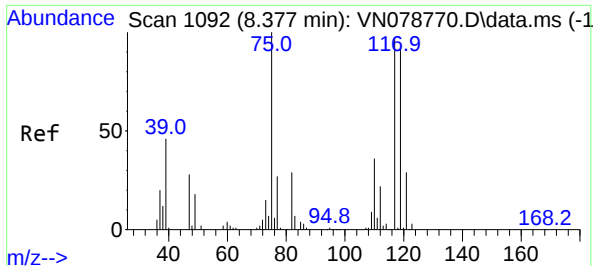
Ion Ratio Lower Upper

113 100

111 105.4 82.6 123.8

192 18.4 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.839 ug/l

RT: 8.241 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN078800.D

Acq: 08 Aug 2023 14:24

Instrument :

MSVOA_N

ClientSampleId :

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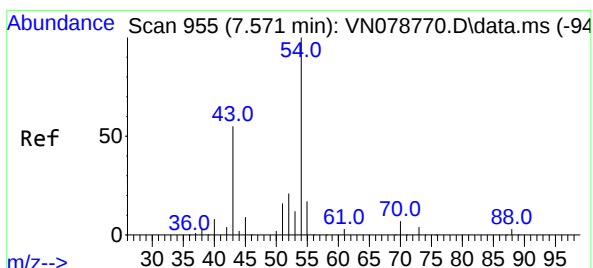
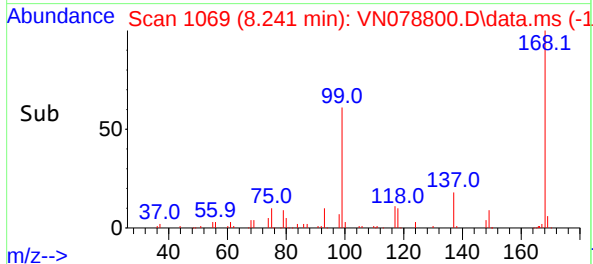
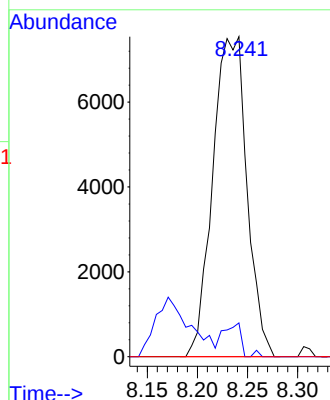
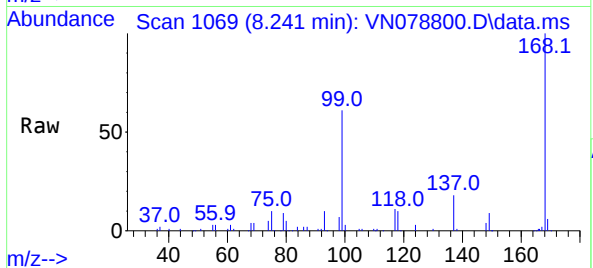
Tgt Ion: 75 Resp: 17848

Ion Ratio Lower Upper

75 100

110 5.4 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 8.978 ug/l

RT: 7.577 min Scan# 956

Delta R.T. 0.006 min

Lab File: VN078800.D

Acq: 08 Aug 2023 14:24

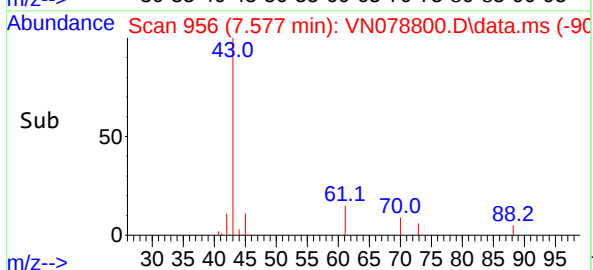
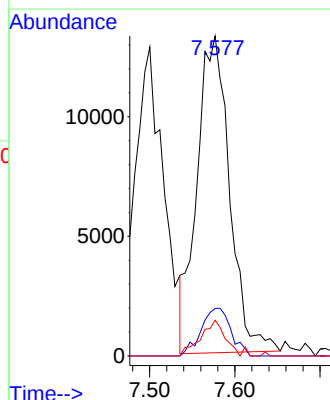
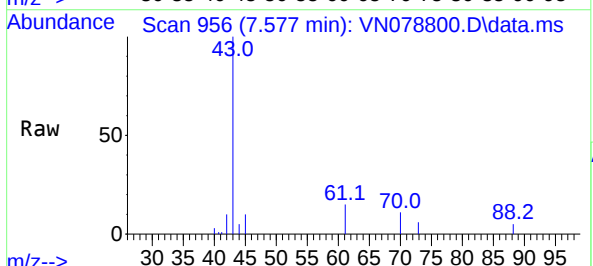
Tgt Ion: 43 Resp: 35208

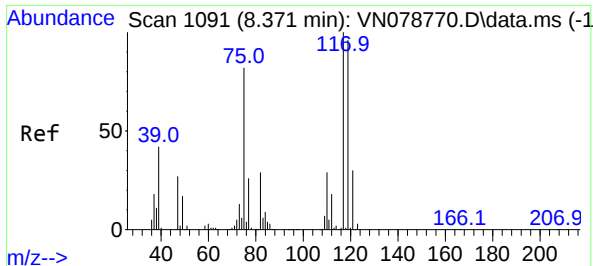
Ion Ratio Lower Upper

43 100

61 13.7 13.2 19.8

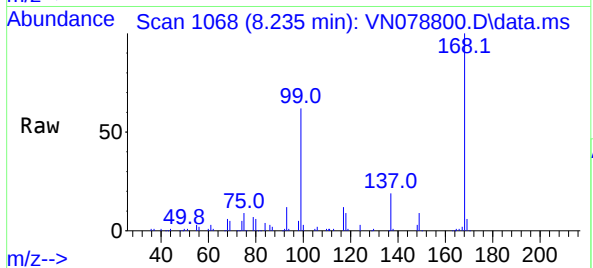
70 8.4 11.3 16.9#



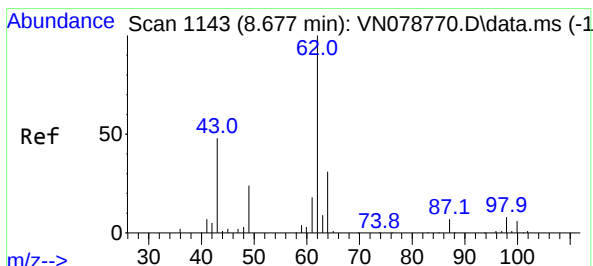
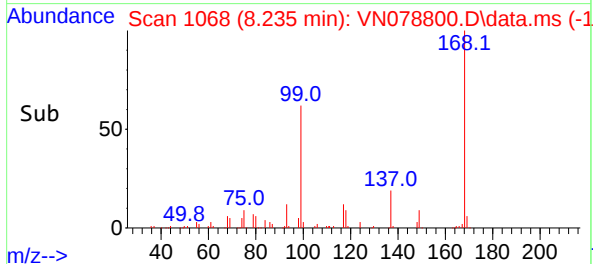
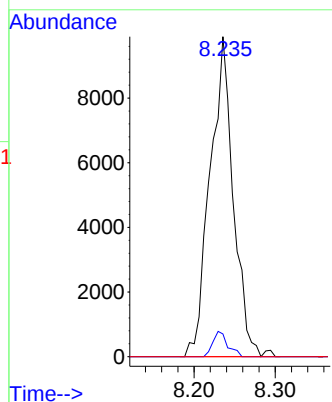


#38
Carbon Tetrachloride
Concen: 5.210 ug/l
RT: 8.235 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN078800.D
Acq: 08 Aug 2023 14:24

Instrument :
MSVOA_N
ClientSampleId :
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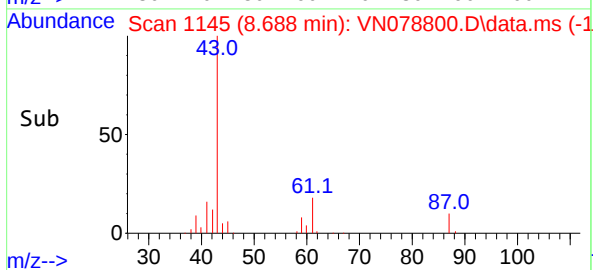
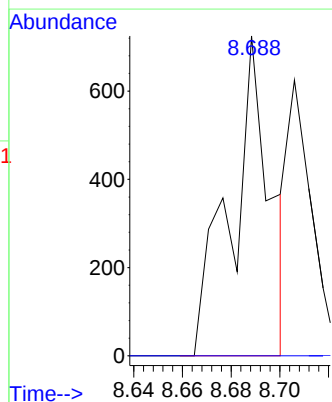
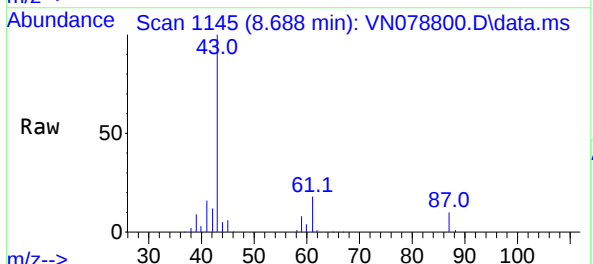


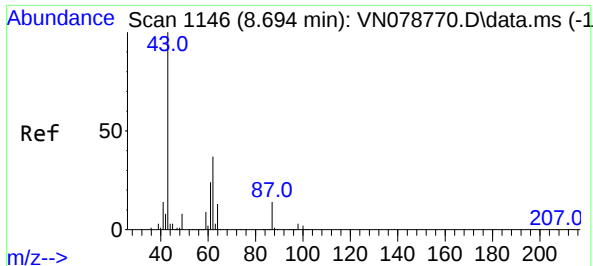
Tgt Ion:117 Resp: 19809
Ion Ratio Lower Upper
117 100
119 7.1 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.201 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.012 min
Lab File: VN078800.D
Acq: 08 Aug 2023 14:24

Tgt Ion: 62 Resp: 804
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

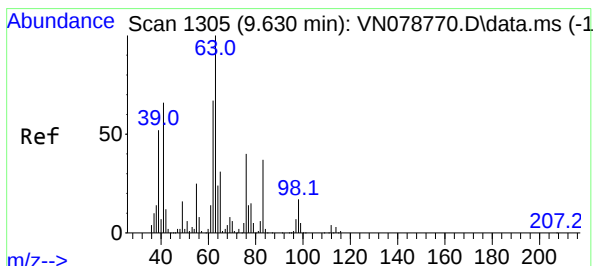
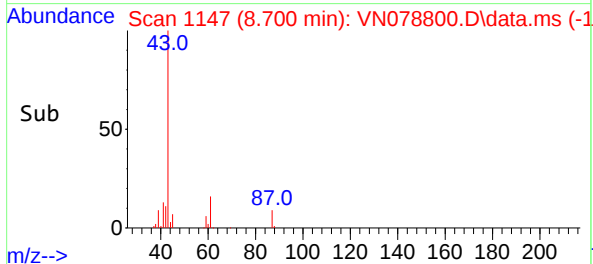
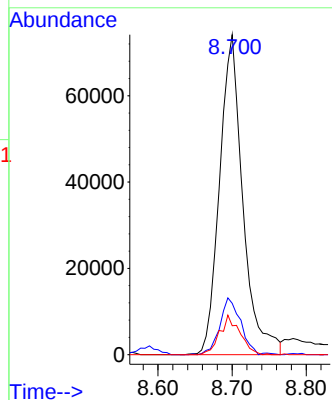
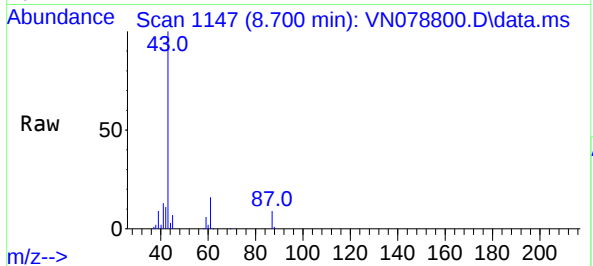




#43
Isopropyl Acetate
Concen: 24.452 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN078800.D
Acq: 08 Aug 2023 14:24

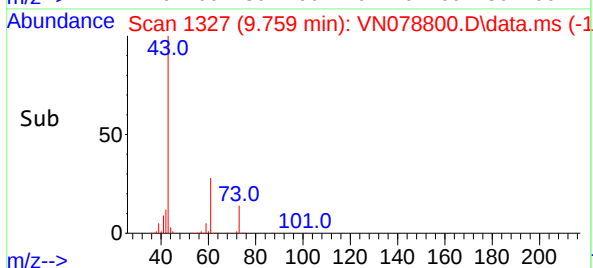
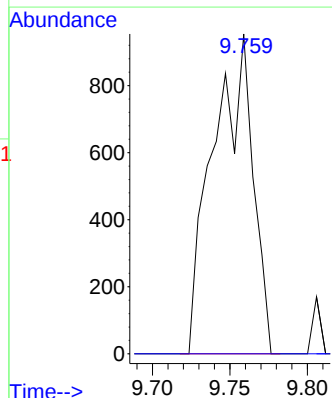
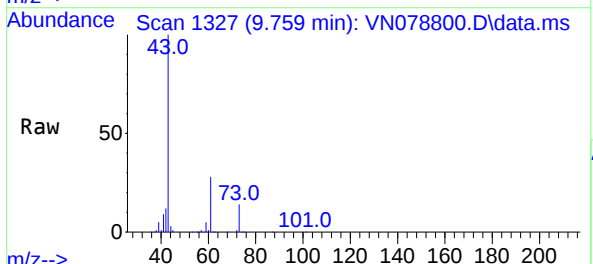
Instrument :
MSVOA_N
ClientSampleId :
TP-36

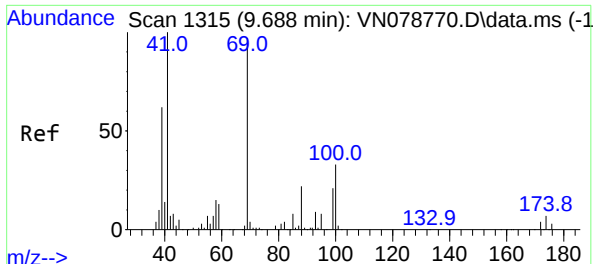
Tgt Ion: 43 Resp: 161661
Ion Ratio Lower Upper
43 100
61 15.9 24.7 37.1#
87 10.7 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.568 ug/l
RT: 9.759 min Scan# 1327
Delta R.T. 0.129 min
Lab File: VN078800.D
Acq: 08 Aug 2023 14:24

Tgt Ion: 63 Resp: 1698
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#





#48

Methyl methacrylate

Concen: 1.375 ug/l

RT: 9.671 min Scan# 1

Delta R.T. -0.018 min

Lab File: VN078800.D

Acq: 08 Aug 2023 14:24

Instrument :

MSVOA_N

ClientSampleId :

TP-36

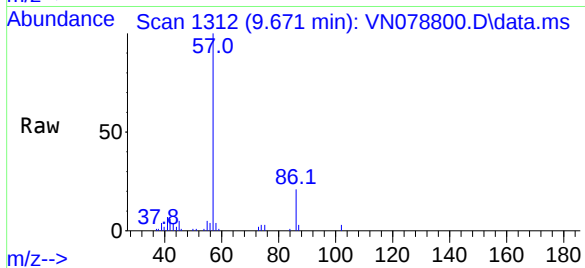
Tgt Ion: 41 Resp: 4199

Ion Ratio Lower Upper

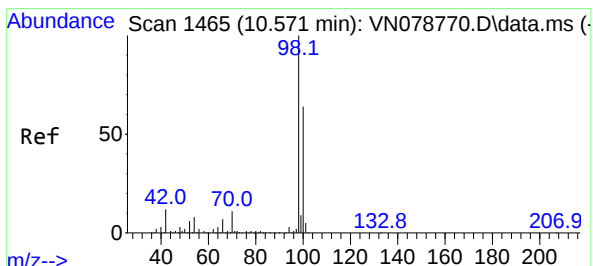
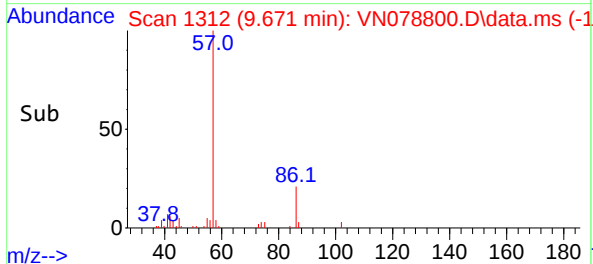
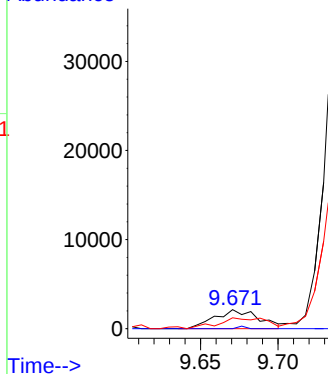
41 100

69 2.4 90.4 135.6#

39 65.4 54.6 81.8



Abundance



#50

Toluene-d8

Concen: 50.590 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078800.D

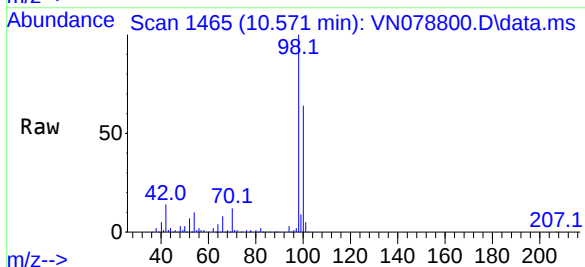
Acq: 08 Aug 2023 14:24

Tgt Ion: 98 Resp: 442589

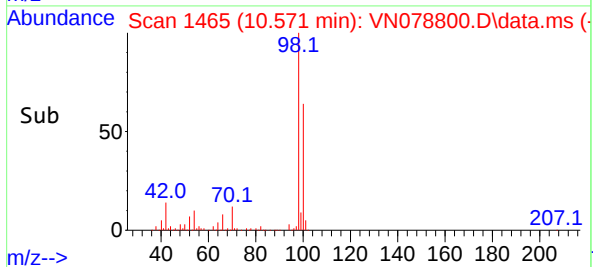
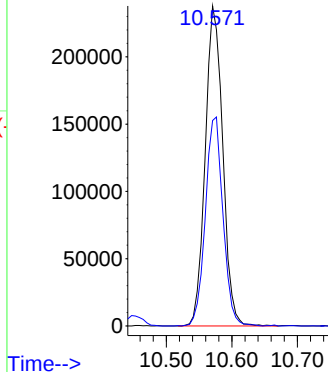
Ion Ratio Lower Upper

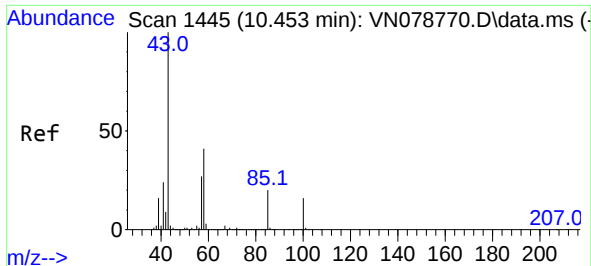
98 100

100 65.7 52.0 78.0



Abundance

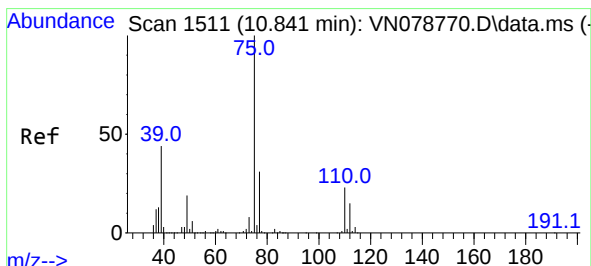
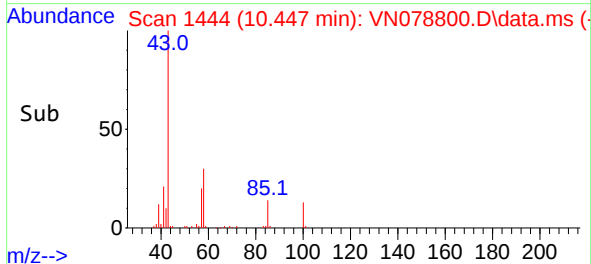
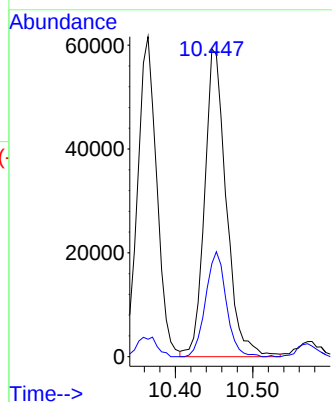
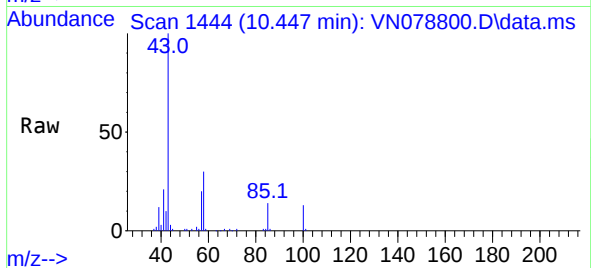




#51
4-Methyl-2-Pentanone
Concen: 28.474 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078800.D
Acq: 08 Aug 2023 14:24

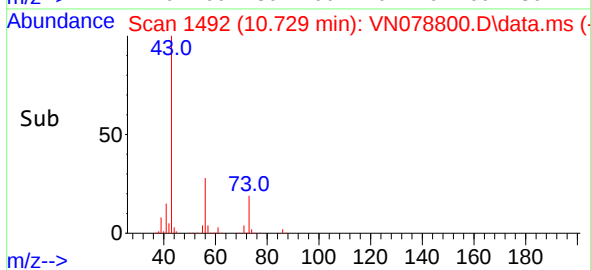
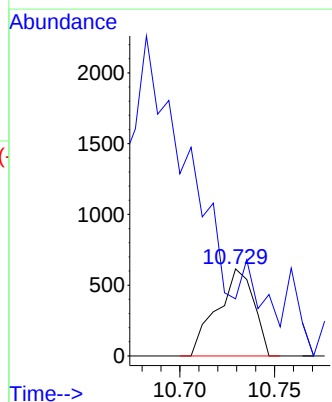
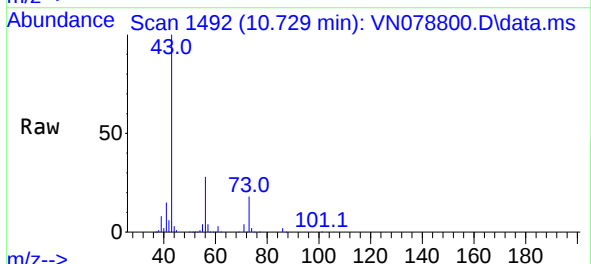
Instrument :
MSVOA_N
ClientSampleId :
TP-36

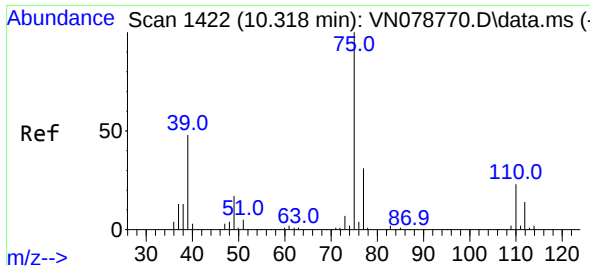
Tgt Ion: 43 Resp: 115310
Ion Ratio Lower Upper
43 100
58 32.3 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.204 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.112 min
Lab File: VN078800.D
Acq: 08 Aug 2023 14:24

Tgt Ion: 75 Resp: 826
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.0

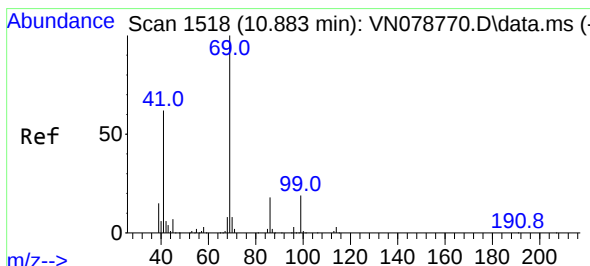
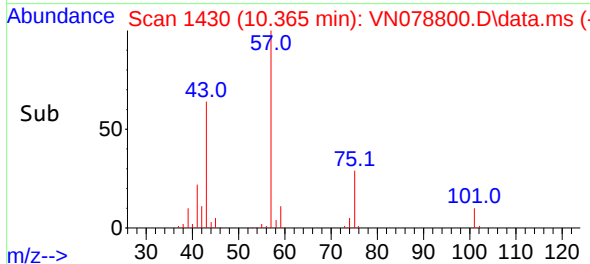
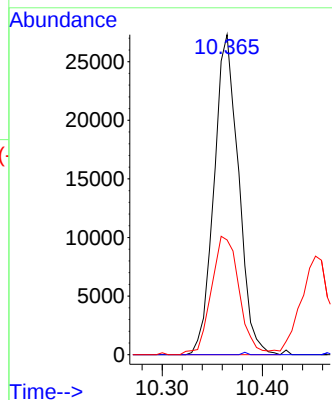
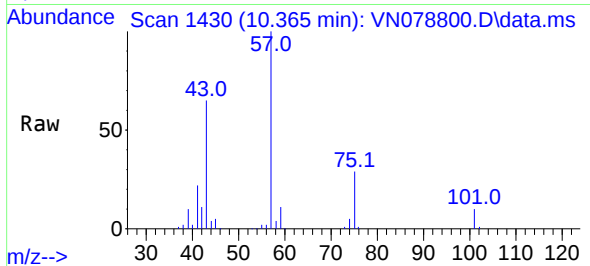




#54
 cis-1,3-Dichloropropene
 Concen: 10.530 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN078800.D
 Acq: 08 Aug 2023 14:24

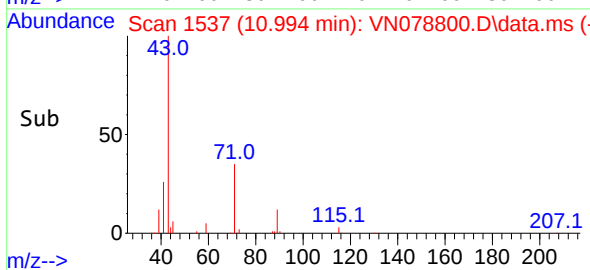
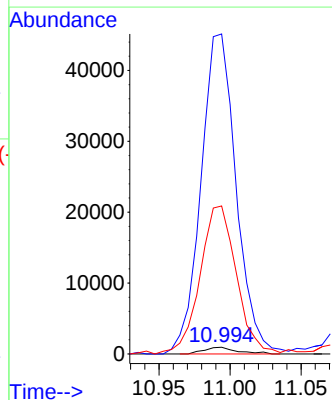
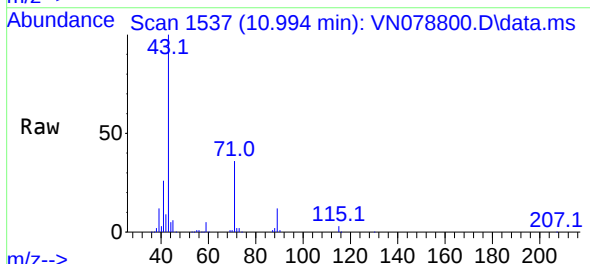
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-36

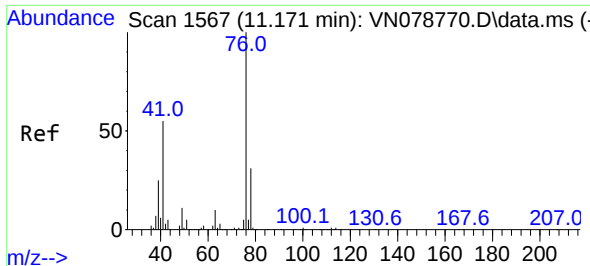
Tgt Ion: 75 Resp: 46308
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 35.8 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.390 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.112 min
 Lab File: VN078800.D
 Acq: 08 Aug 2023 14:24

Tgt Ion: 69 Resp: 1530
 Ion Ratio Lower Upper
 69 100
 41 5094.7 39.6 59.4#
 39 2444.2 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.220 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.035 min

Lab File: VN078800.D

Acq: 08 Aug 2023 14:24

Instrument :

MSVOA_N

ClientSampleId :

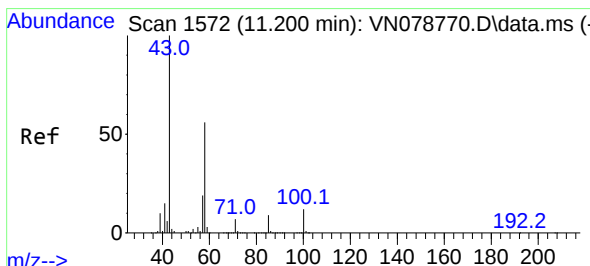
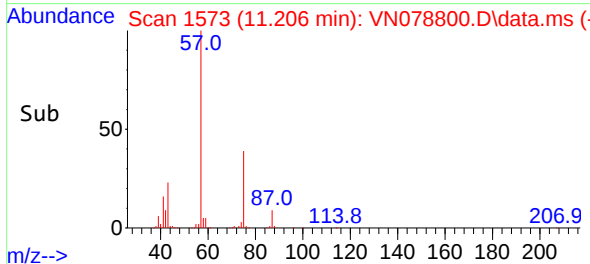
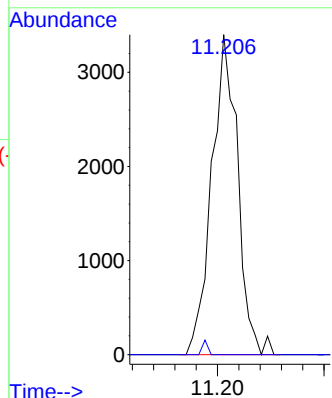
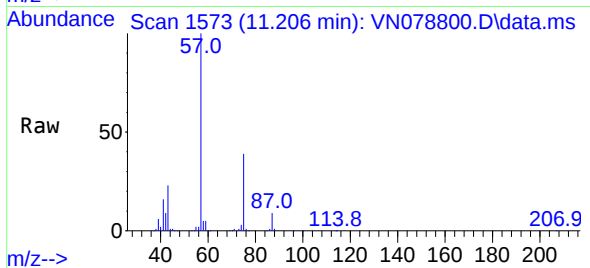
TP-36

Tgt Ion: 76 Resp: 5745

Ion Ratio Lower Upper

76 100

78 0.9 26.1 39.1#



#59

2-Hexanone

Concen: 45.627 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN078800.D

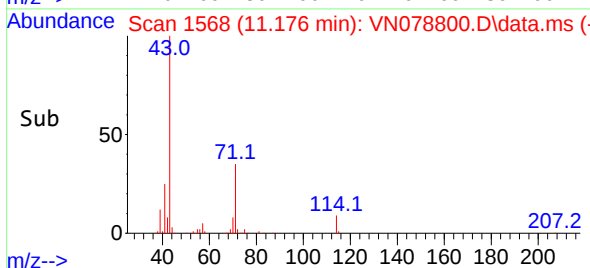
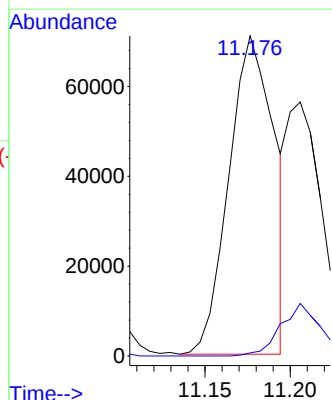
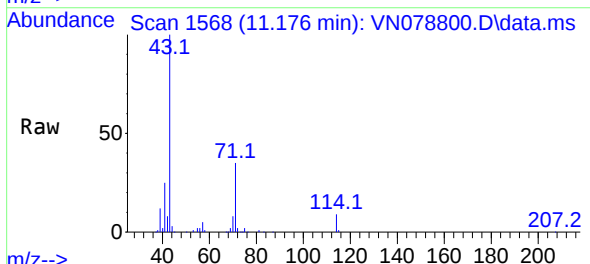
Acq: 08 Aug 2023 14:24

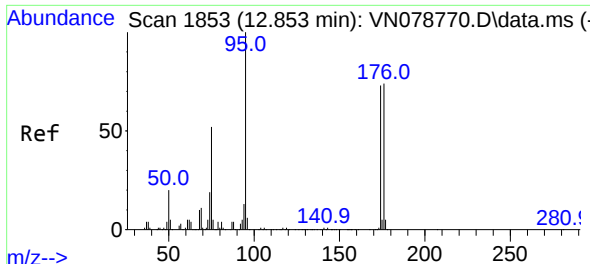
Tgt Ion: 43 Resp: 130834

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

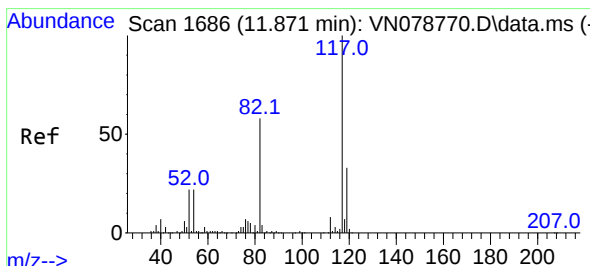
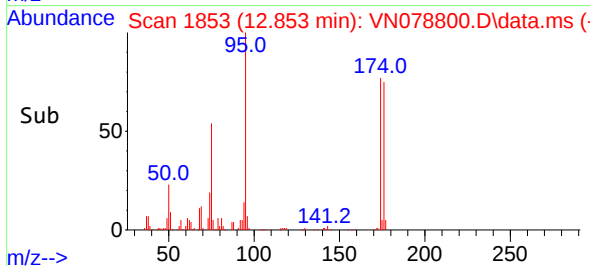
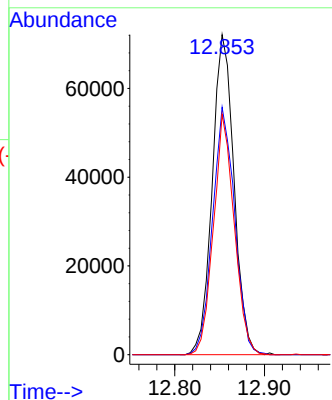
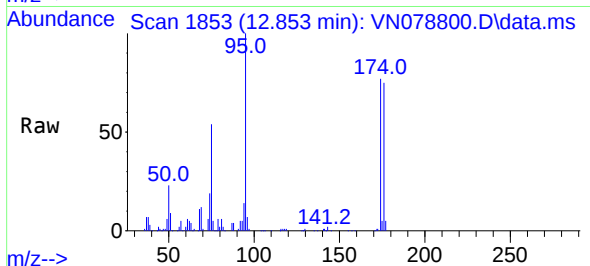




#62
4-Bromofluorobenzene
Concen: 46.392 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078800.D
Acq: 08 Aug 2023 14:24

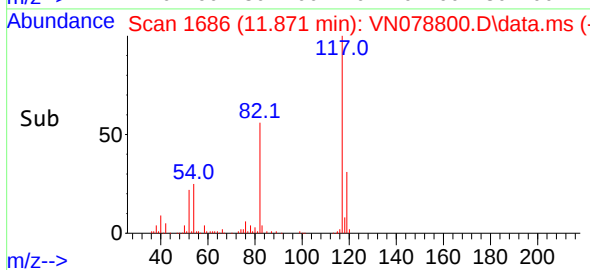
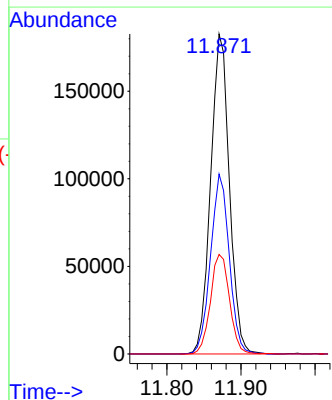
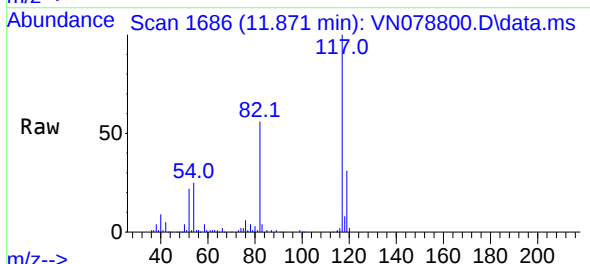
Instrument :
MSVOA_N
ClientSampleId :
TP-36

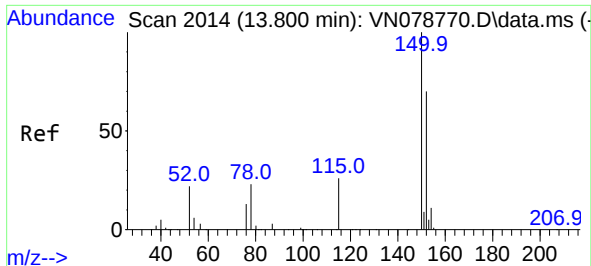
Tgt Ion: 95 Resp: 121297
Ion Ratio Lower Upper
95 100
174 78.5 0.0 143.8
176 71.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078800.D
Acq: 08 Aug 2023 14:24

Tgt Ion: 117 Resp: 320271
Ion Ratio Lower Upper
117 100
82 56.2 44.0 66.0
119 31.1 25.6 38.4

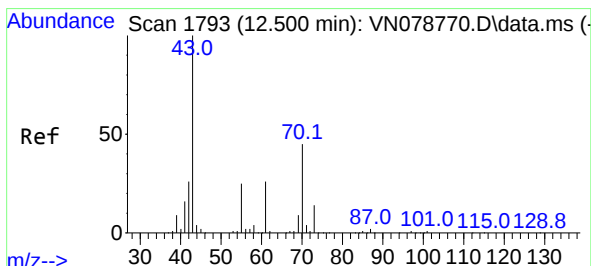
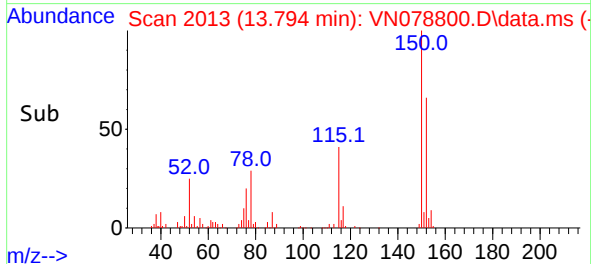
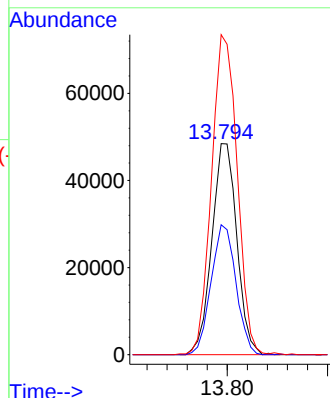
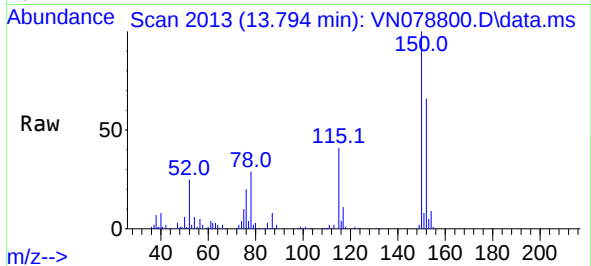




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN078800.D
Acq: 08 Aug 2023 14:24

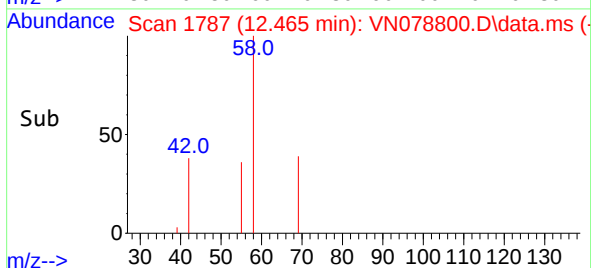
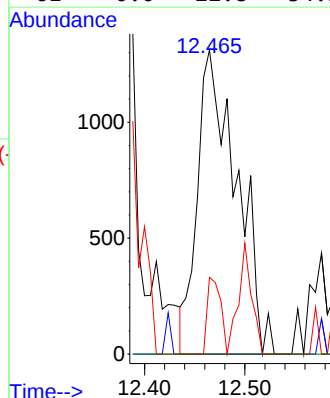
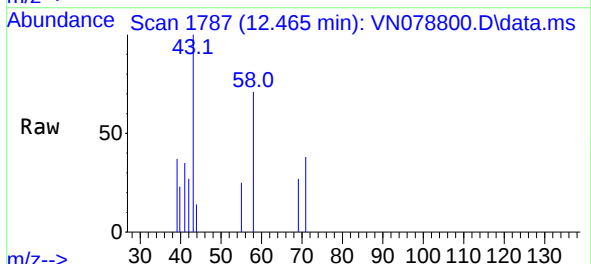
Instrument :
MSVOA_N
ClientSampleId :
TP-36

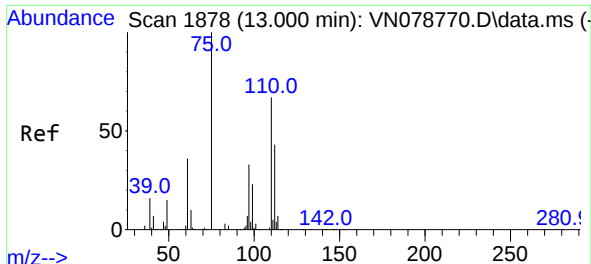
Tgt Ion:152 Resp: 83728
Ion Ratio Lower Upper
152 100
115 61.2 32.3 96.8
150 156.0 0.0 355.8



#74
N-ethyl acetate
Concen: 0.952 ug/l
RT: 12.465 min Scan# 1787
Delta R.T. -0.035 min
Lab File: VN078800.D
Acq: 08 Aug 2023 14:24

Tgt Ion: 43 Resp: 3558
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 8.6 21.4 32.0#
61 0.0 22.8 34.2#

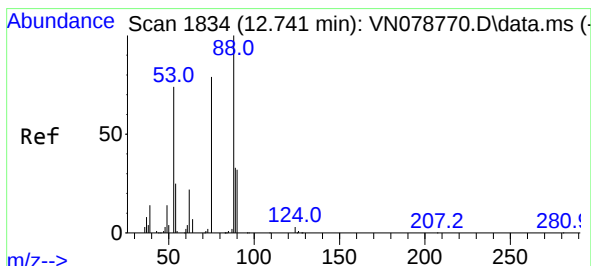
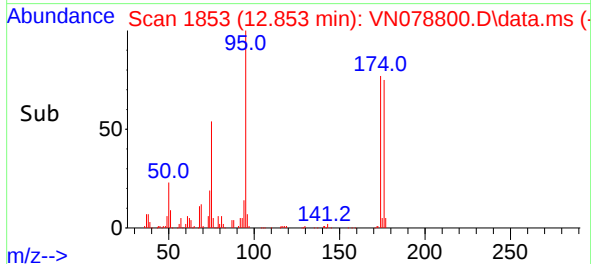
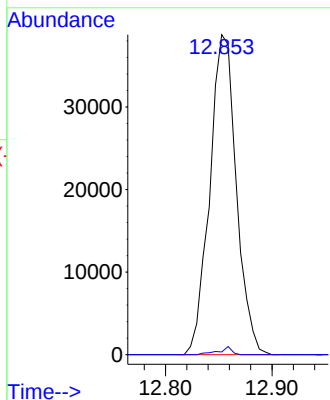
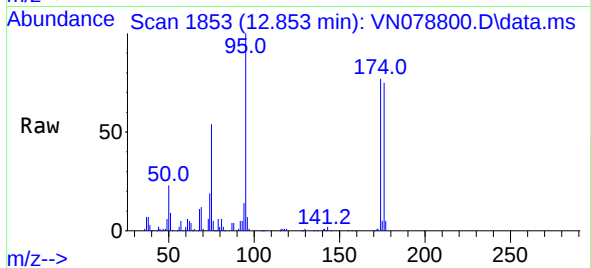




#76
1,2,3-Trichloropropane
Concen: 29.701 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078800.D
Acq: 08 Aug 2023 14:24

Instrument :
MSVOA_N
ClientSampleId :
TP-36

Tgt Ion: 75 Resp: 67235
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.698 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078800.D
Acq: 08 Aug 2023 14:24

Tgt Ion: 75 Resp: 67235
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#

