

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030124\
 Data File : VN081290.D
 Acq On : 01 Mar 2024 17:07
 Operator : JC\MD
 Sample : P1659-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7

Quant Time: Mar 01 22:20:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

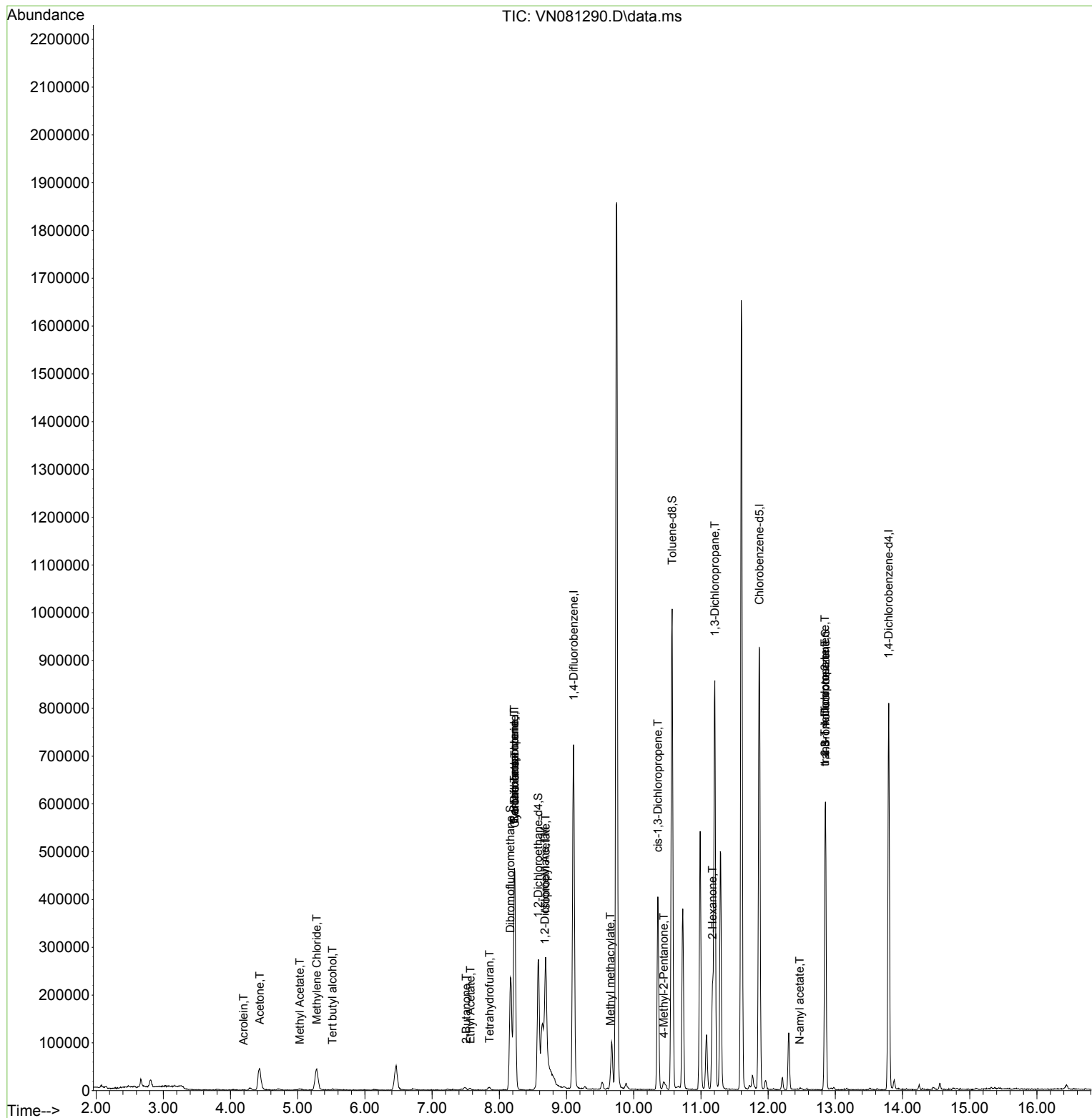
Internal Standards						
1) Pentafluorobenzene	8.224	168	315169	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	613912	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	527650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	197147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	221480	57.332	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.660%			
35) Dibromofluoromethane	8.165	113	174490	50.264	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.520%			
50) Toluene-d8	10.571	98	682088	55.320	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.640%			
62) 4-Bromofluorobenzene	12.853	95	205286	44.310	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.620%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	701	Below Cal		93
6) Chloroethane	3.148	64	109	Below Cal	#	42
11) Tert butyl alcohol	5.518	59	1834	2.582	ug/l #	72
13) Acrolein	4.195	56	482	1.266	ug/l	83
16) Acetone	4.436	43	89599	58.945	ug/l	100
18) Methyl Acetate	5.030	43	3422	0.923	ug/l	99
20) Methylene Chloride	5.283	84	35753	8.317	ug/l	90
25) 2-Butanone	7.506	43	9348	3.807	ug/l #	73
29) Tetrahydrofuran	7.853	42	5051	3.081	ug/l #	74
31) Cyclohexane	8.230	56	9503	1.425	ug/l #	48
36) 1,1-Dichloropropene	8.224	75	30310	5.096	ug/l #	53
37) Ethyl Acetate	7.571	43	6056	1.128	ug/l	98
38) Carbon Tetrachloride	8.224	117	37072	6.161	ug/l #	18
42) 1,2-Dichloroethane	8.677	62	1243	0.207	ug/l #	75
43) Isopropyl Acetate	8.688	43	391095	41.661	ug/l #	80
48) Methyl methacrylate	9.653	41	6031	1.381	ug/l #	46
49) 1,4-Dioxane	9.694	88	108	Below Cal	#	18
51) 4-Methyl-2-Pentanone	10.447	43	20233	3.747	ug/l #	72
54) cis-1,3-Dichloropropene	10.359	75	70979	9.949	ug/l #	64
57) 1,3-Dichloropropane	11.206	76	8983	1.239	ug/l #	43
59) 2-Hexanone	11.171	43	190104	44.403	ug/l #	26
74) N-amyl acetate	12.471	43	2109	0.289	ug/l #	50
76) 1,2,3-Trichloropropane	12.847	75	117376	26.204	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	117376	67.447	ug/l #	14

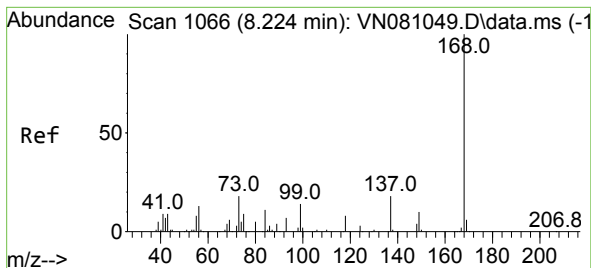
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN081290.D

Acq: 01 Mar 2024 17:07

Instrument :

MSVOA_N

ClientSampleId :

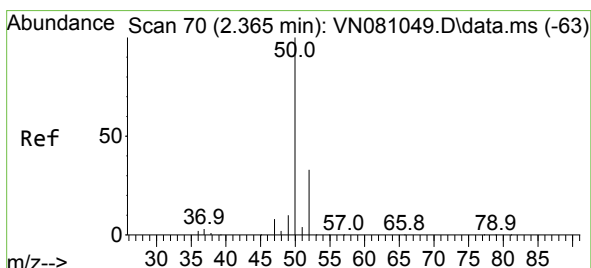
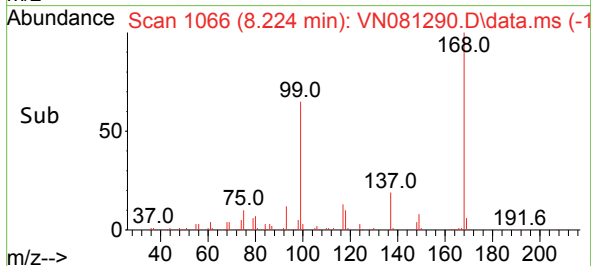
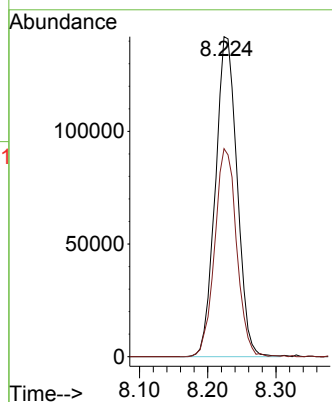
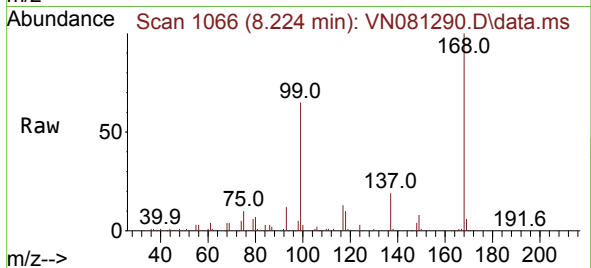
TP-7

Tgt Ion:168 Resp: 315169

Ion Ratio Lower Upper

168 100

99 65.0 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN081290.D

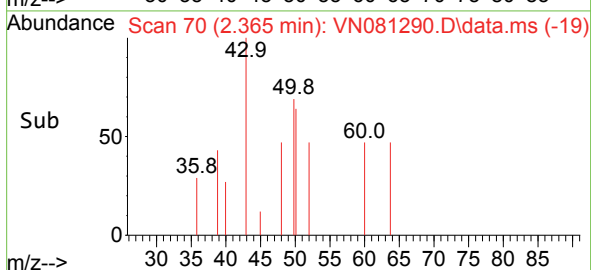
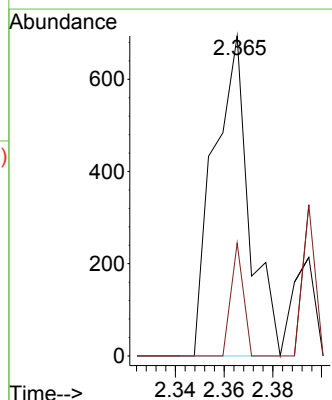
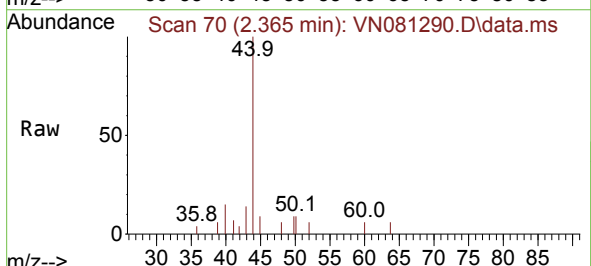
Acq: 01 Mar 2024 17:07

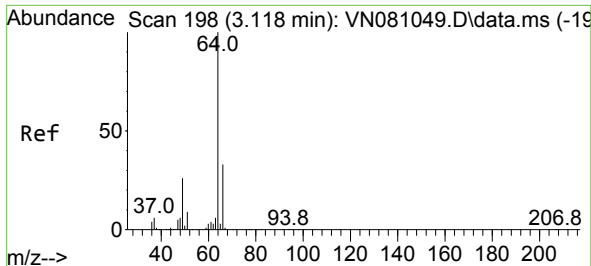
Tgt Ion: 50 Resp: 701

Ion Ratio Lower Upper

50 100

52 35.3 25.0 37.4

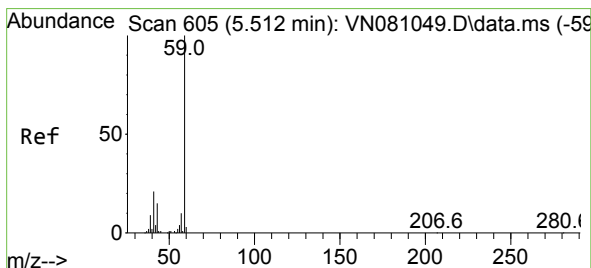
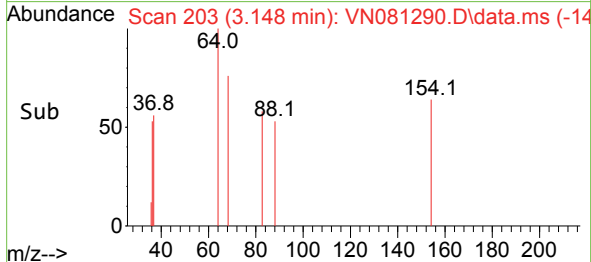
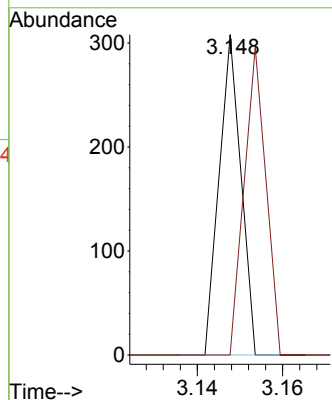
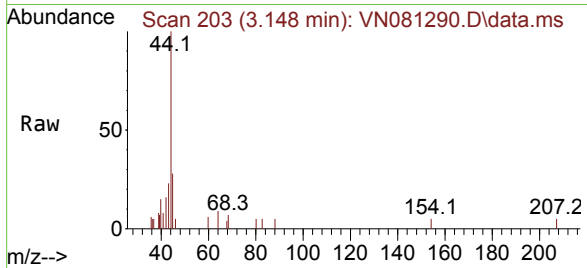




#6
Chloroethane
Concen: Below Cal
RT: 3.148 min Scan# 203
Delta R.T. 0.030 min
Lab File: VN081290.D
Acq: 01 Mar 2024 17:07

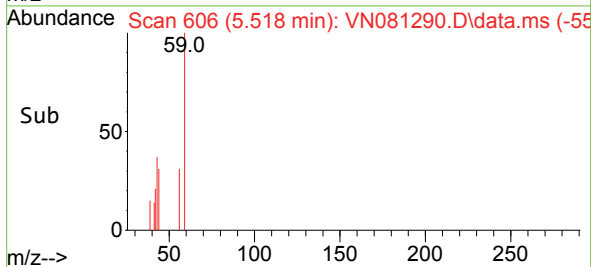
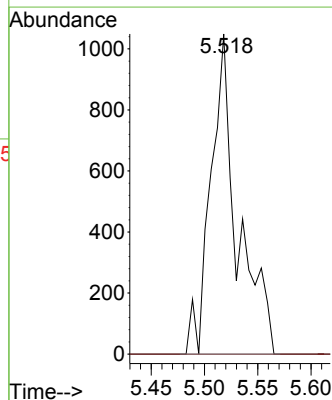
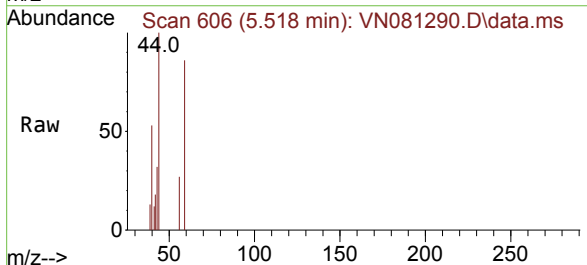
Instrument :
MSVOA_N
ClientSampleId :
TP-7

Tgt Ion: 64 Resp: 109
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 2.582 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN081290.D
Acq: 01 Mar 2024 17:07

Tgt Ion: 59 Resp: 1834
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

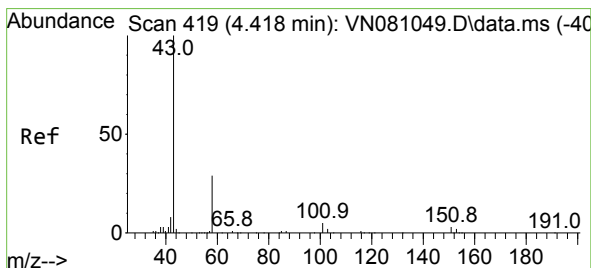
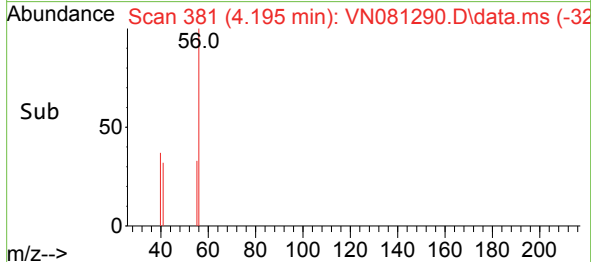
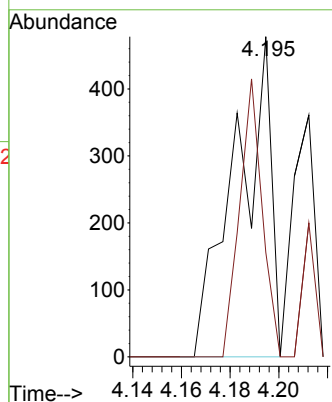
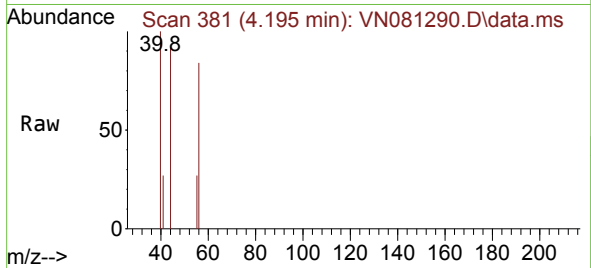




#13
Acrolein
Concen: 1.266 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN081290.D
Acq: 01 Mar 2024 17:07

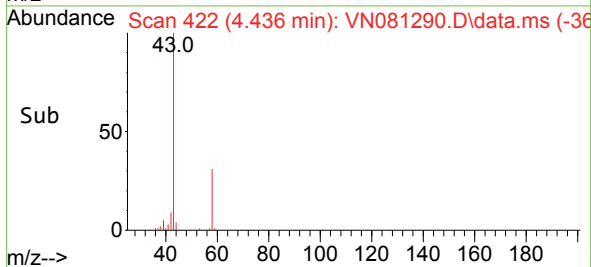
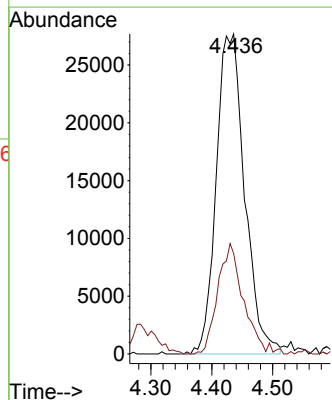
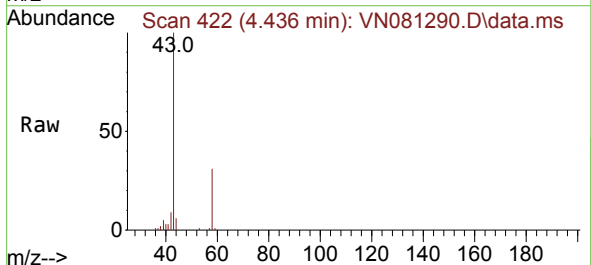
Instrument :
MSVOA_N
ClientSampleId :
TP-7

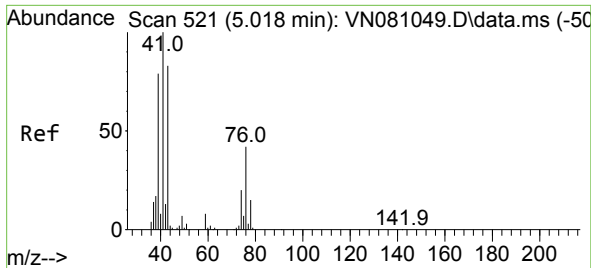
Tgt Ion: 56 Resp: 482
Ion Ratio Lower Upper
56 100
55 55.4 55.3 82.9



#16
Acetone
Concen: 58.945 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN081290.D
Acq: 01 Mar 2024 17:07

Tgt Ion: 43 Resp: 89599
Ion Ratio Lower Upper
43 100
58 30.8 24.8 37.2

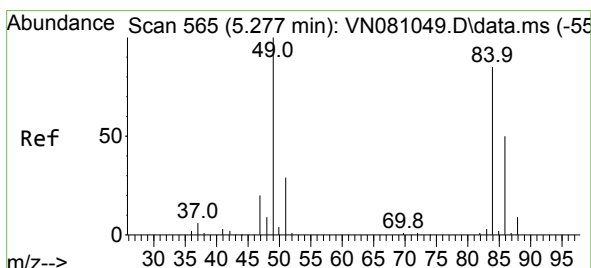
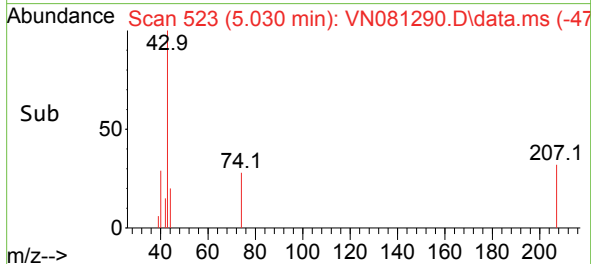
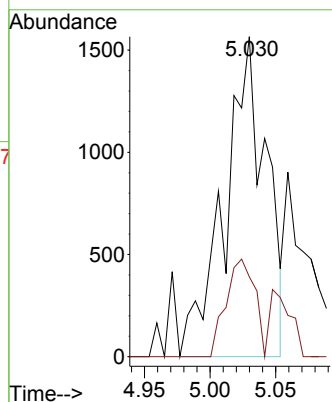
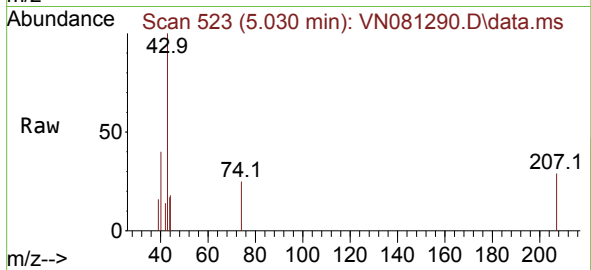




#18
Methyl Acetate
Concen: 0.923 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081290.D
Acq: 01 Mar 2024 17:07

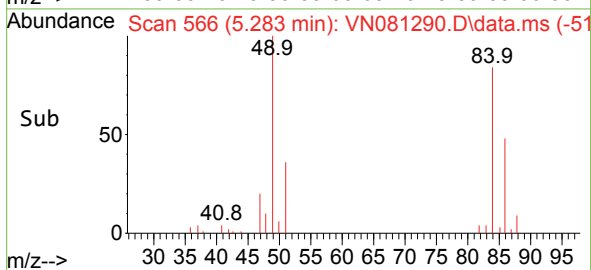
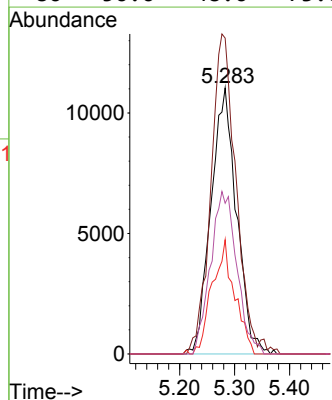
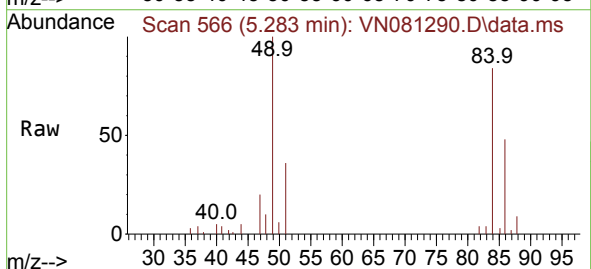
Instrument :
MSVOA_N
ClientSampleId :
TP-7

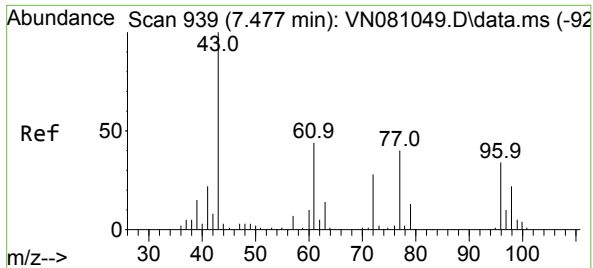
Tgt Ion: 43 Resp: 3422
Ion Ratio Lower Upper
43 100
74 21.2 17.3 25.9



#20
Methylene Chloride
Concen: 8.317 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN081290.D
Acq: 01 Mar 2024 17:07

Tgt Ion: 84 Resp: 35753
Ion Ratio Lower Upper
84 100
49 118.7 108.1 162.1
51 42.9 32.9 49.3
86 56.6 48.6 73.0

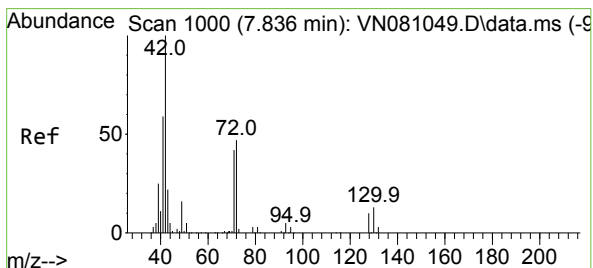
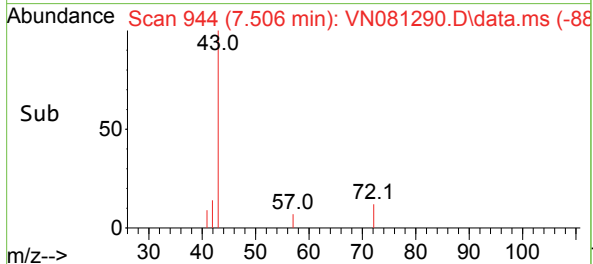
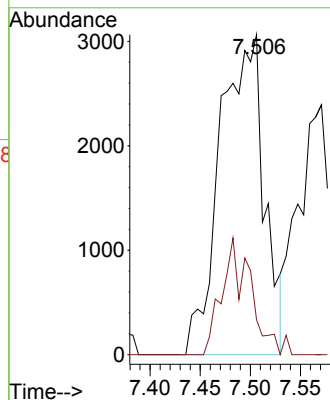
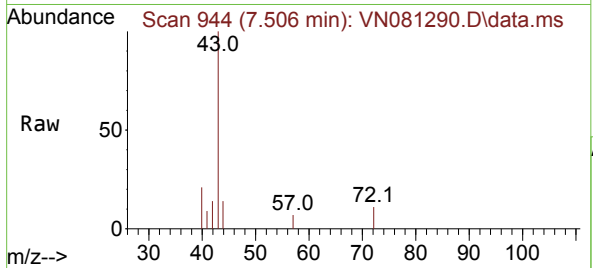




#25
2-Butanone
Concen: 3.807 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.029 min
Lab File: VN081290.D
Acq: 01 Mar 2024 17:07

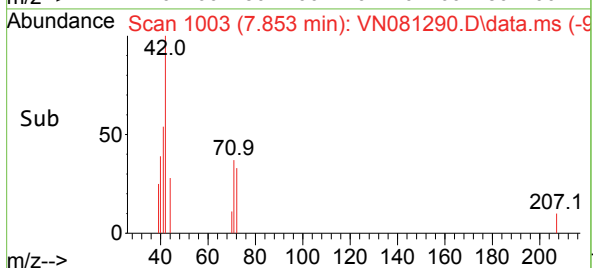
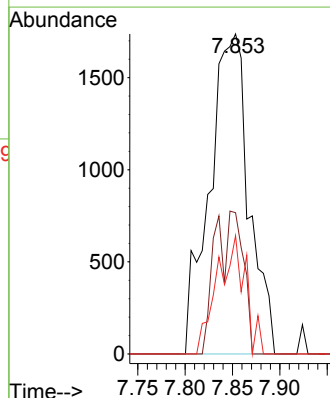
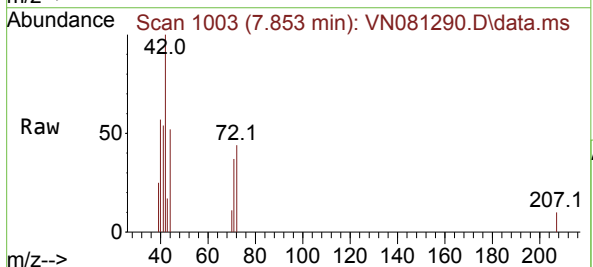
Instrument :
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ClientSampleId :
TP-7

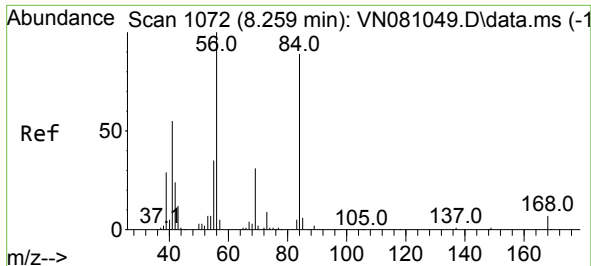
Tgt Ion: 43 Resp: 9348
Ion Ratio Lower Upper
43 100
72 11.0 19.5 29.3#



#29
Tetrahydrofuran
Concen: 3.081 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN081290.D
Acq: 01 Mar 2024 17:07

Tgt Ion: 42 Resp: 5051
Ion Ratio Lower Upper
42 100
72 17.8 31.1 46.7#
71 26.3 28.3 42.5#

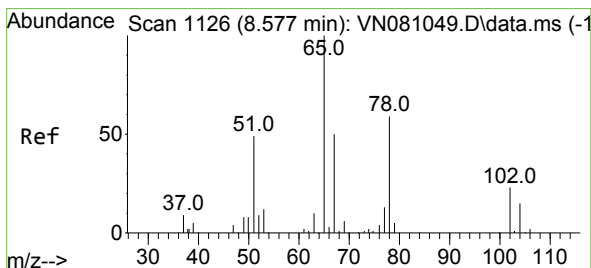
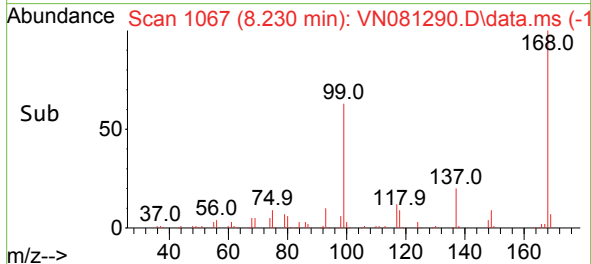
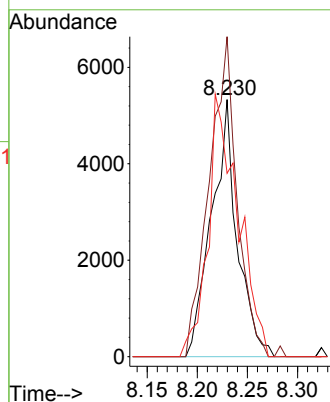
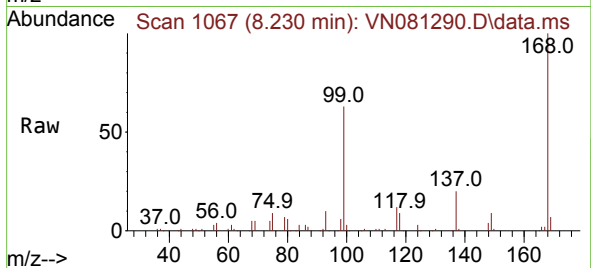




#31
Cyclohexane
Concen: 1.425 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081290.D
Acq: 01 Mar 2024 17:07

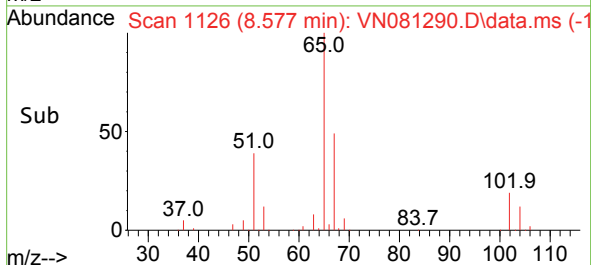
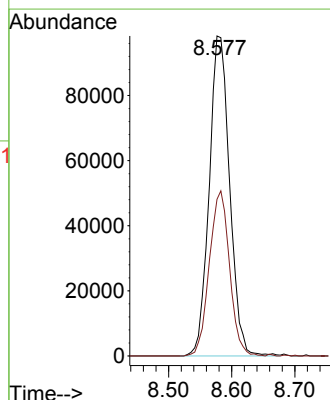
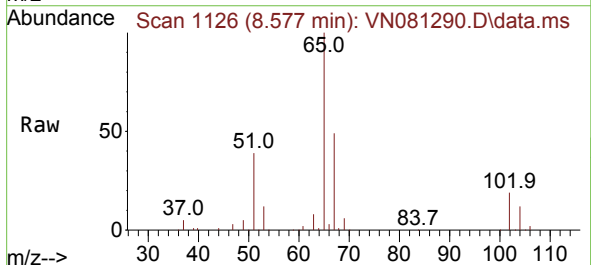
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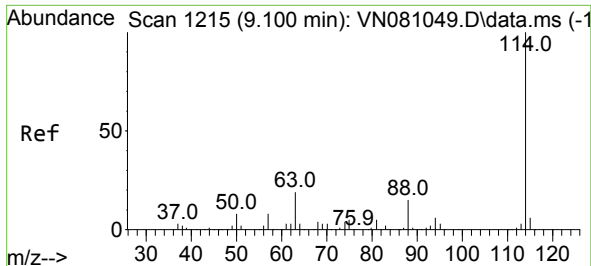
Tgt Ion: 56 Resp: 9503
Ion Ratio Lower Upper
56 100
69 124.5 20.1 30.1#
84 71.3 56.9 85.3



#33
1,2-Dichloroethane-d4
Concen: 57.332 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081290.D
Acq: 01 Mar 2024 17:07

Tgt Ion: 65 Resp: 221480
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081290.D

Acq: 01 Mar 2024 17:07

Instrument :

MSVOA_N

ClientSampleId :

TP-7

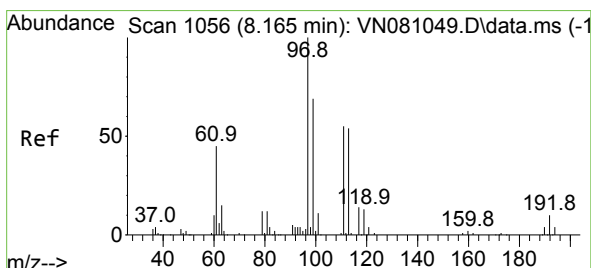
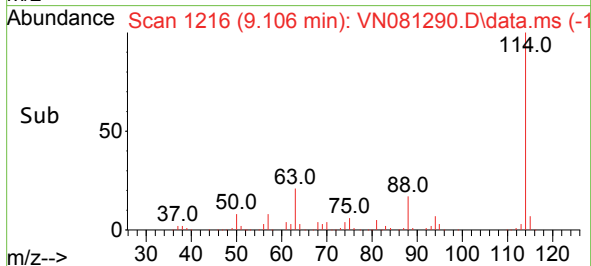
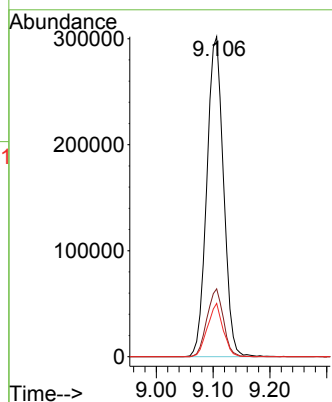
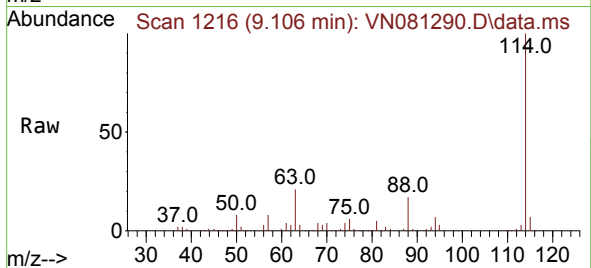
Tgt Ion:114 Resp: 613912

Ion Ratio Lower Upper

114 100

63 21.2 0.0 48.0

88 16.7 0.0 34.8



#35

Dibromofluoromethane

Concen: 50.264 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN081290.D

Acq: 01 Mar 2024 17:07

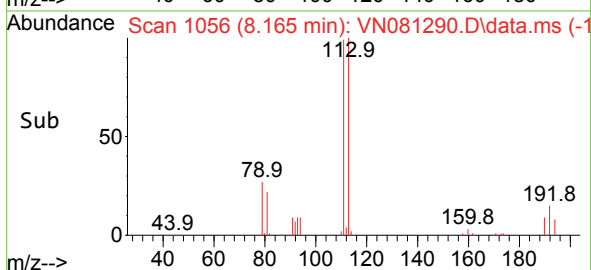
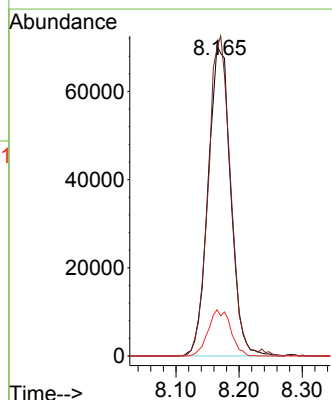
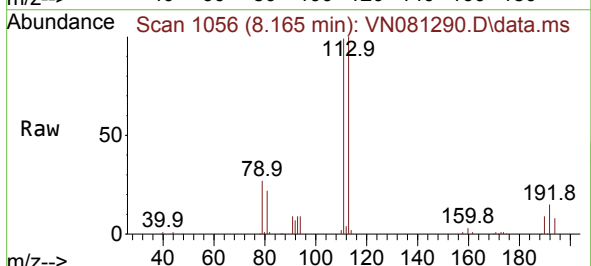
Tgt Ion:113 Resp: 174490

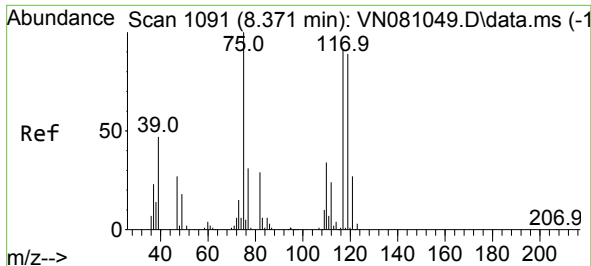
Ion Ratio Lower Upper

113 100

111 101.2 82.2 123.4

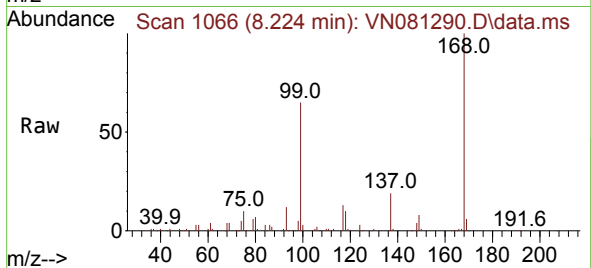
192 14.9 12.5 18.7



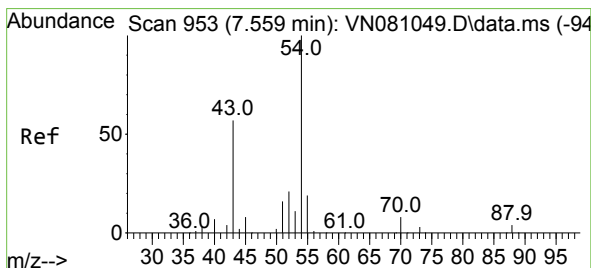
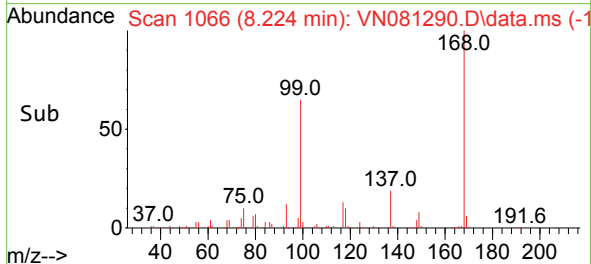
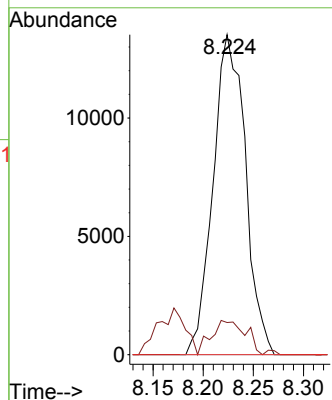


#36
1,1-Dichloropropene
Concen: 5.096 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081290.D
Acq: 01 Mar 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
TP-7

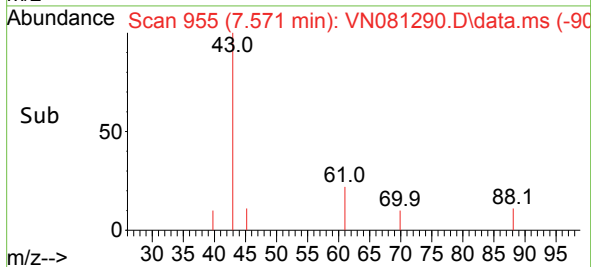
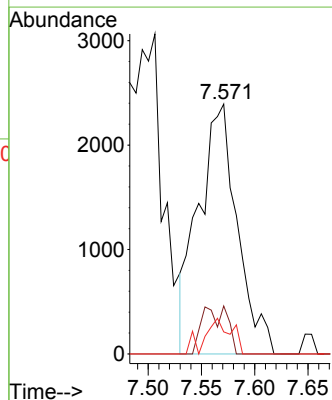
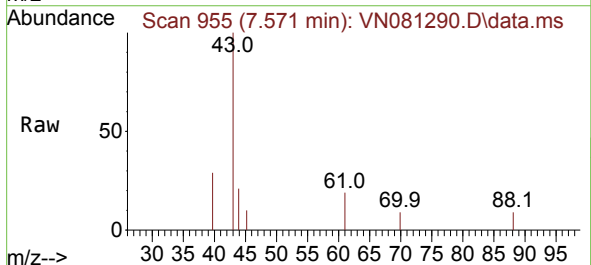


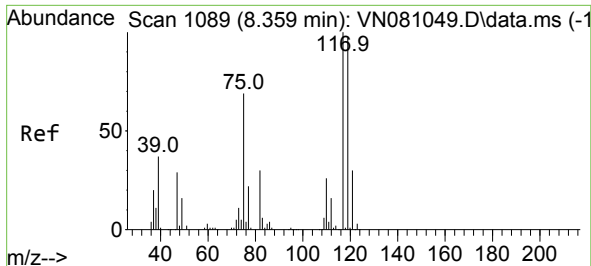
Tgt Ion: 75 Resp: 30310
Ion Ratio Lower Upper
75 100
110 11.3 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 1.128 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.012 min
Lab File: VN081290.D
Acq: 01 Mar 2024 17:07

Tgt Ion: 43 Resp: 6056
Ion Ratio Lower Upper
43 100
61 12.3 10.6 15.8
70 9.7 8.0 12.0

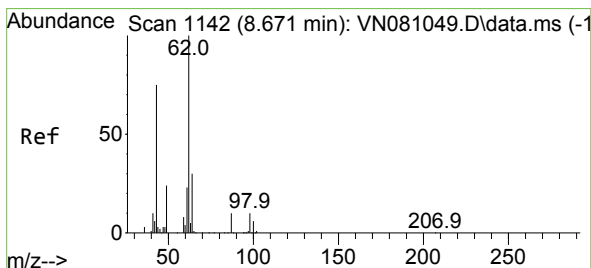
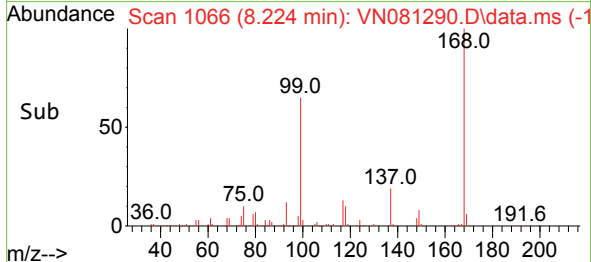
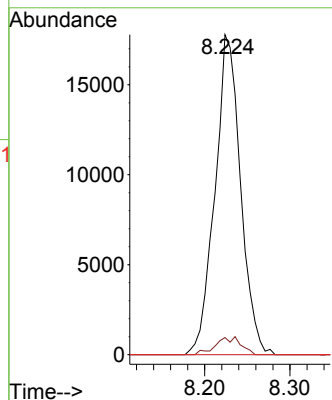
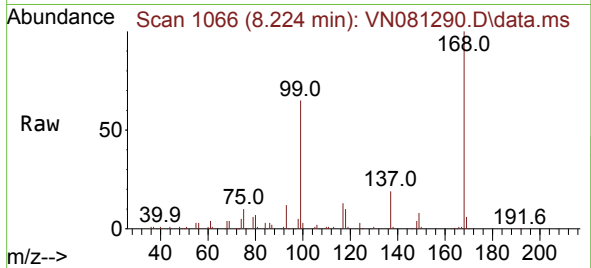




#38
Carbon Tetrachloride
Concen: 6.161 ug/l
RT: 8.224 min Scan# 1089
Delta R.T. -0.135 min
Lab File: VN081290.D
Acq: 01 Mar 2024 17:07

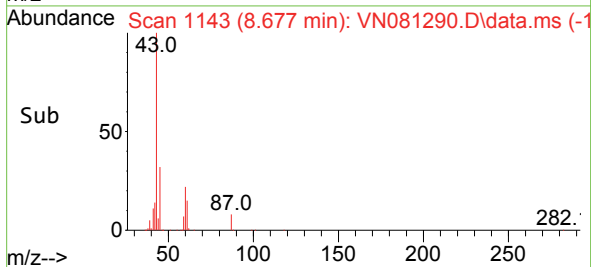
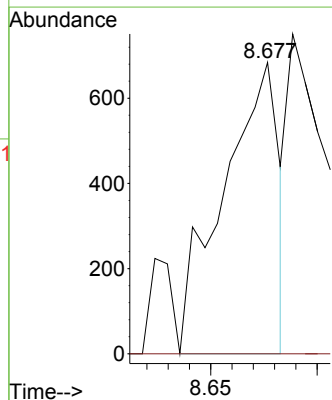
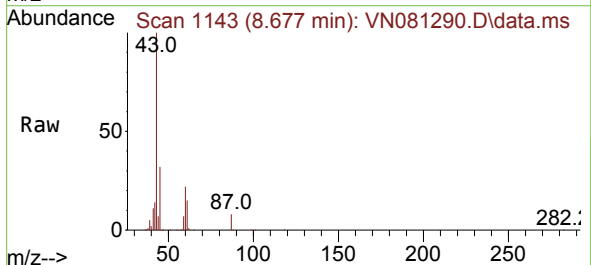
Instrument :
MSVOA_N
ClientSampleId :
TP-7

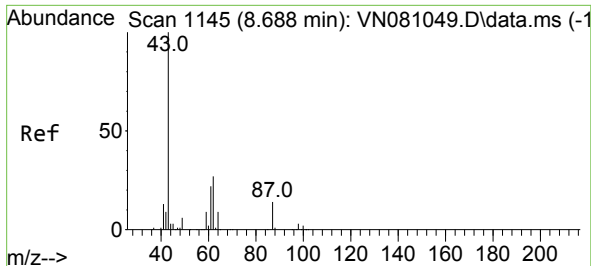
Tgt Ion:117 Resp: 37072
Ion Ratio Lower Upper
117 100
119 5.3 73.4 110.2#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.207 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN081290.D
Acq: 01 Mar 2024 17:07

Tgt Ion: 62 Resp: 1243
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.0

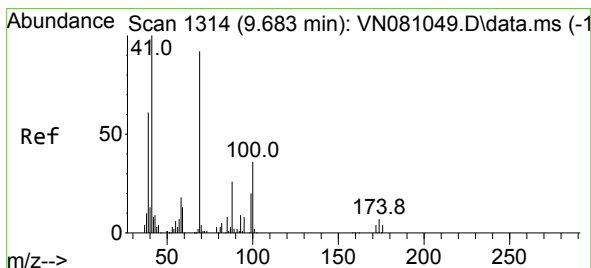
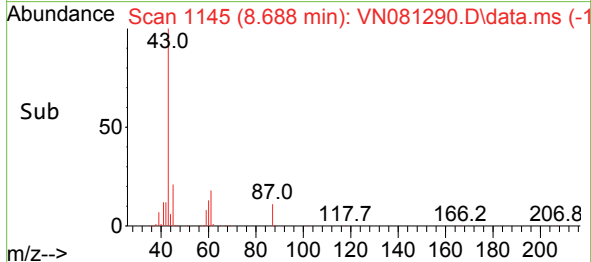
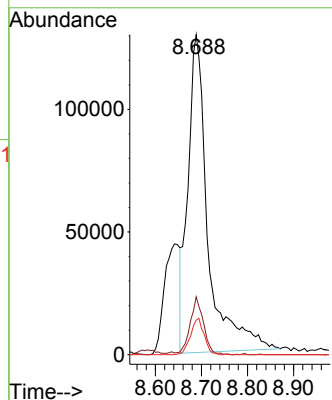
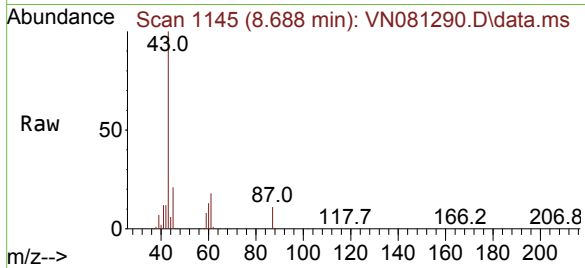




#43
Isopropyl Acetate
Concen: 41.661 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081290.D
Acq: 01 Mar 2024 17:07

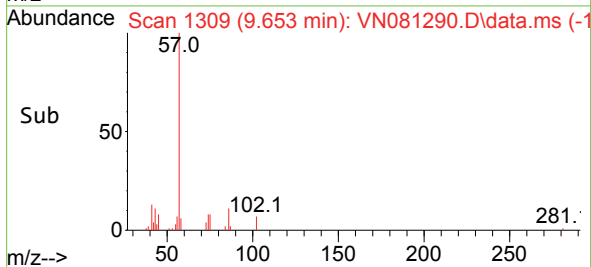
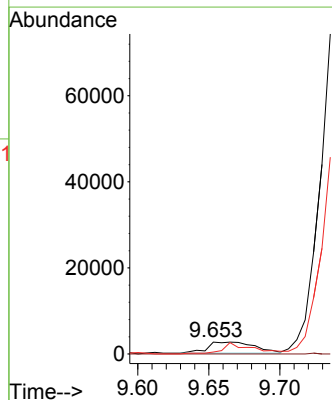
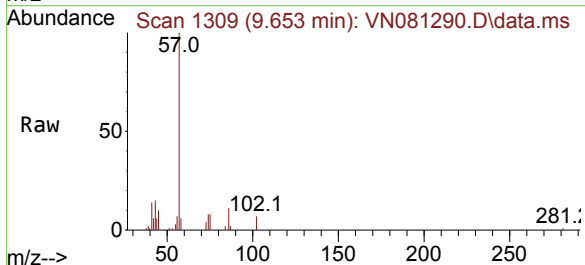
Instrument :
MSVOA_N
ClientSampleId :
TP-7

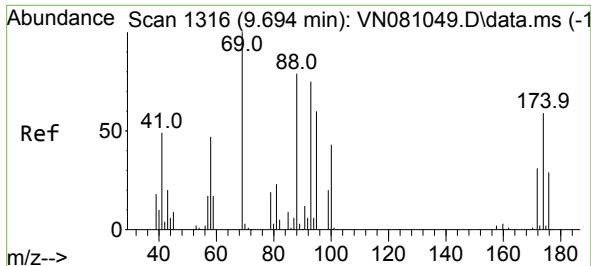
Tgt Ion: 43 Resp: 391095
Ion Ratio Lower Upper
43 100
61 12.2 19.9 29.9#
87 7.7 9.0 13.6#



#48
Methyl methacrylate
Concen: 1.381 ug/l
RT: 9.653 min Scan# 1309
Delta R.T. -0.029 min
Lab File: VN081290.D
Acq: 01 Mar 2024 17:07

Tgt Ion: 41 Resp: 6031
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 64.4 47.6 71.4





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN081290.D

Acq: 01 Mar 2024 17:07

Instrument :

MSVOA_N

ClientSampleId :

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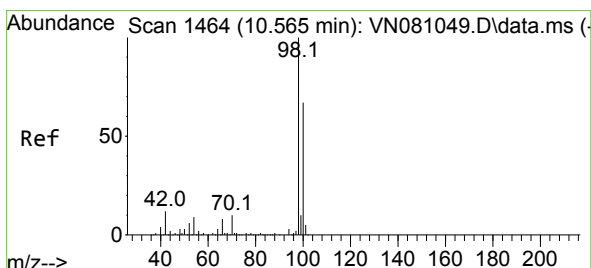
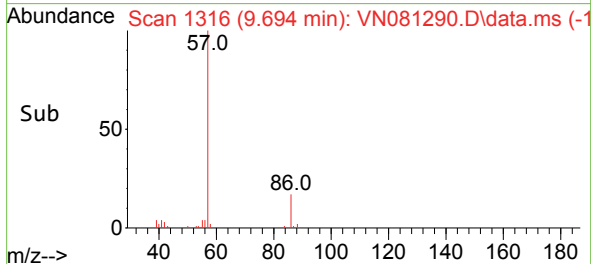
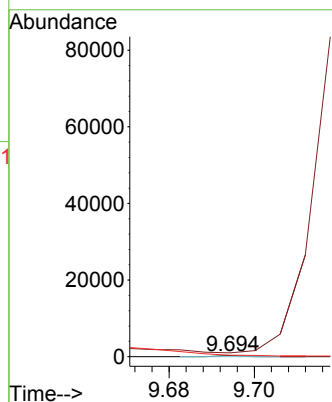
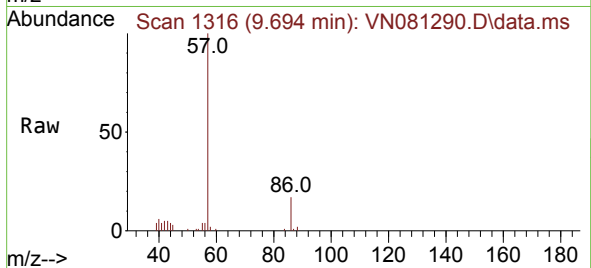
Tgt Ion: 88 Resp: 108

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 55.320 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081290.D

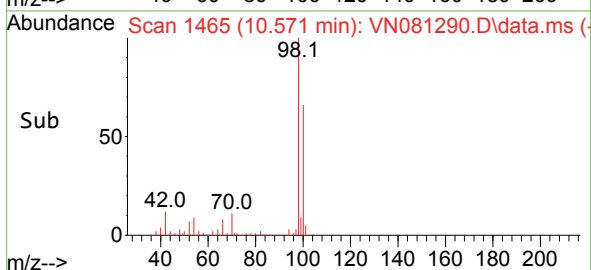
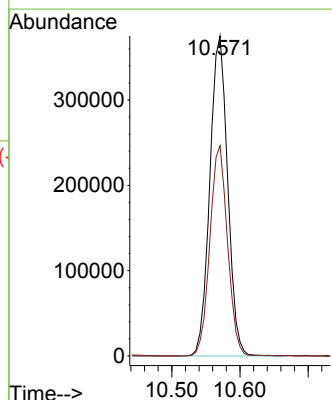
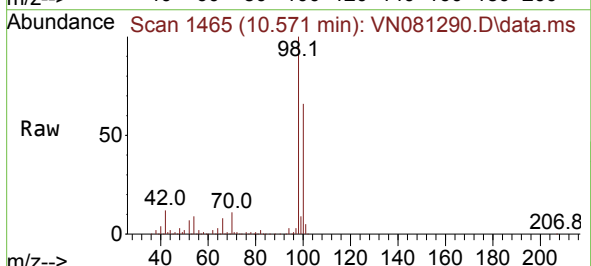
Acq: 01 Mar 2024 17:07

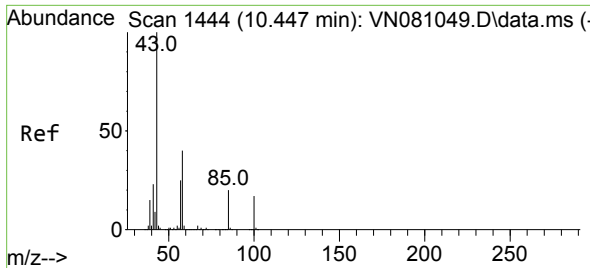
Tgt Ion: 98 Resp: 682088

Ion Ratio Lower Upper

98 100

100 65.1 51.4 77.0

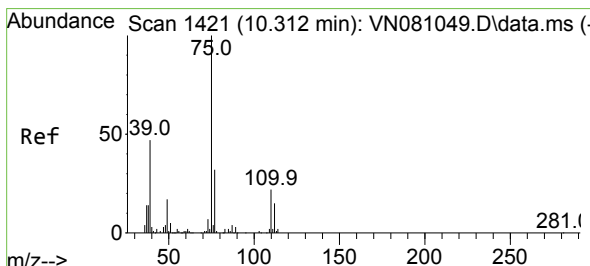
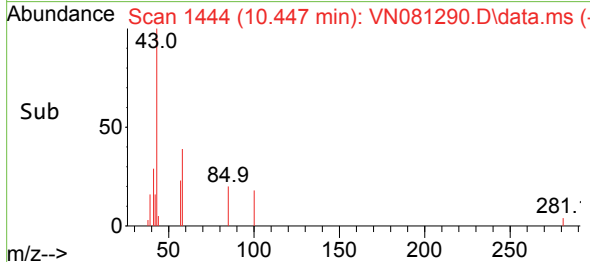
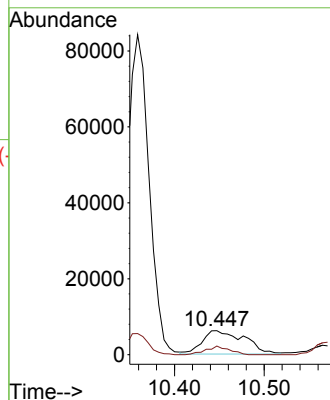
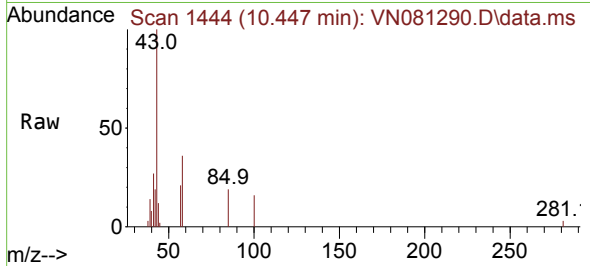




#51
4-Methyl-2-Pentanone
Concen: 3.747 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081290.D
Acq: 01 Mar 2024 17:07

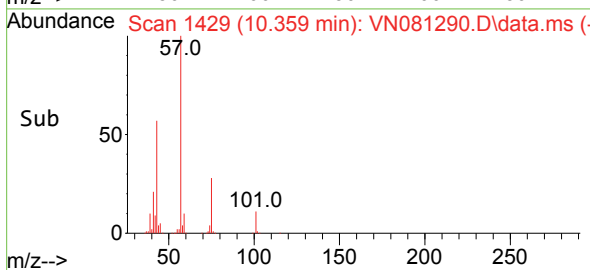
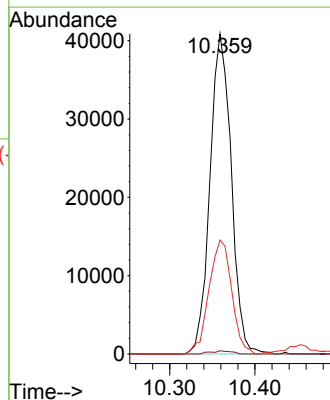
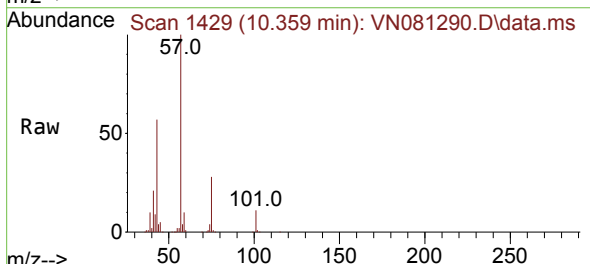
Instrument :
MSVOA_N
ClientSampleId :
TP-7

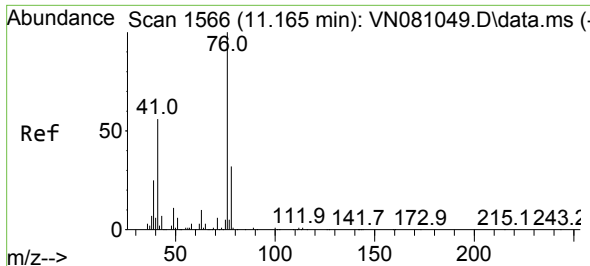
Tgt Ion: 43 Resp: 20233
Ion Ratio Lower Upper
43 100
58 20.1 29.4 44.0#



#54
cis-1,3-Dichloropropene
Concen: 9.949 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN081290.D
Acq: 01 Mar 2024 17:07

Tgt Ion: 75 Resp: 70979
Ion Ratio Lower Upper
75 100
77 1.0 23.3 34.9#
39 35.6 44.6 66.8#

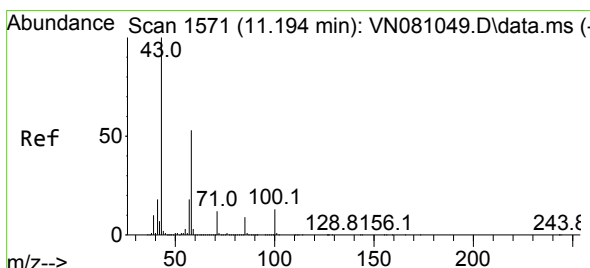
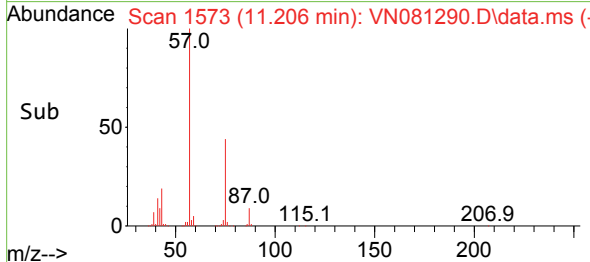
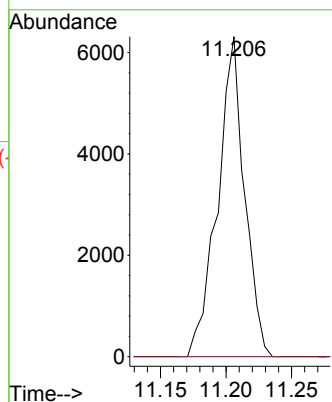
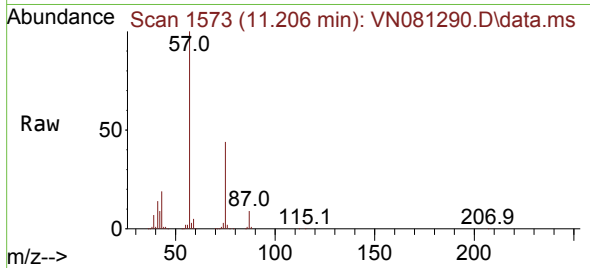




#57
1,3-Dichloropropane
Concen: 1.239 ug/l
RT: 11.206 min Scan# 1567
Delta R.T. 0.041 min
Lab File: VN081290.D
Acq: 01 Mar 2024 17:07

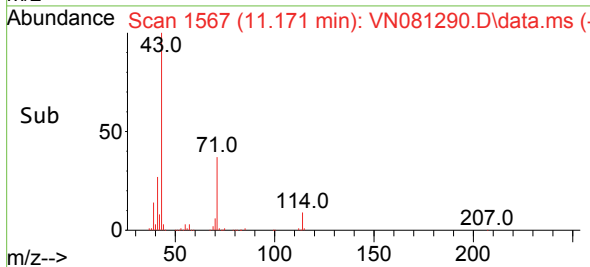
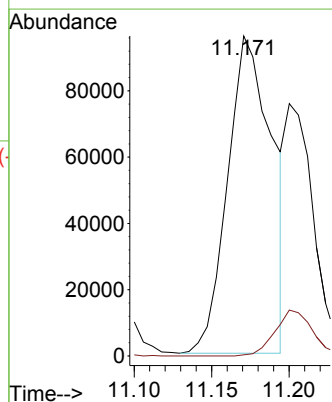
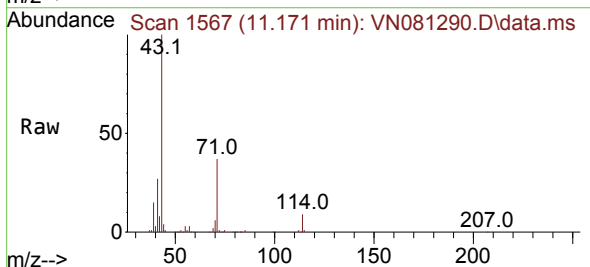
Instrument :
MSVOA_N
ClientSampleId :
TP-7

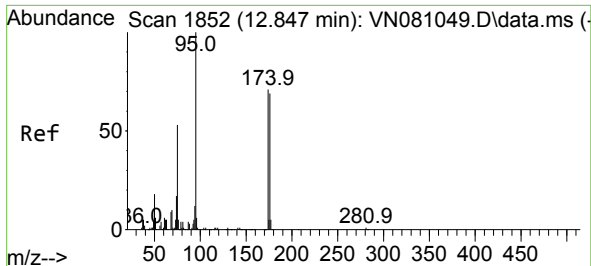
Tgt Ion: 76 Resp: 8983
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 44.403 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN081290.D
Acq: 01 Mar 2024 17:07

Tgt Ion: 43 Resp: 190104
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#

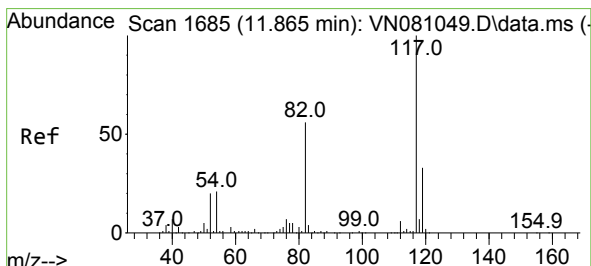
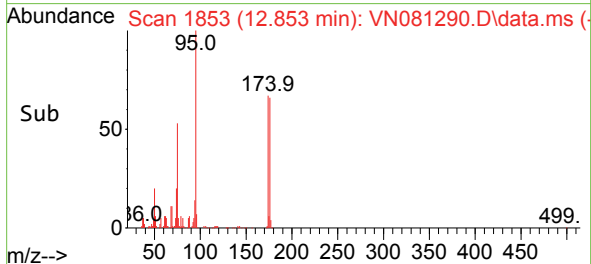
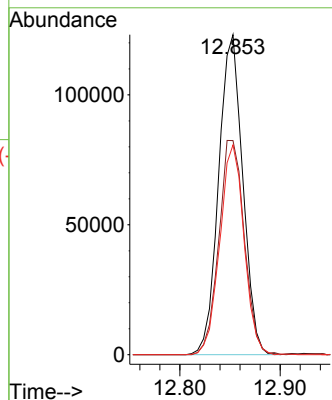
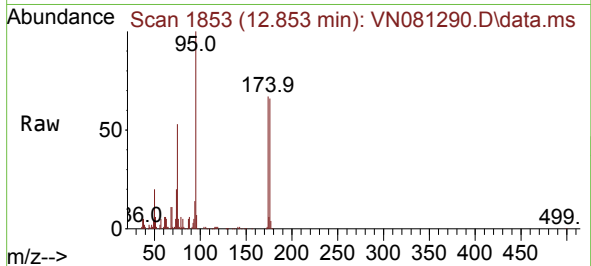




#62
4-Bromofluorobenzene
Concen: 44.310 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081290.D
Acq: 01 Mar 2024 17:07

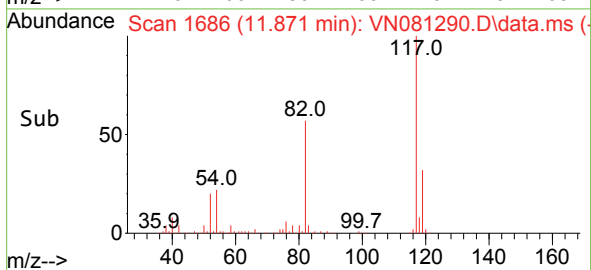
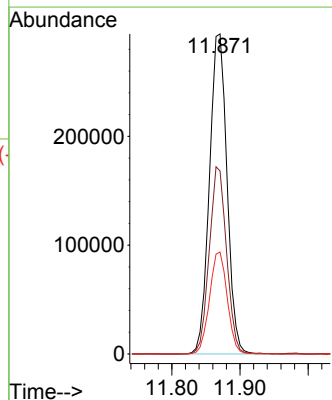
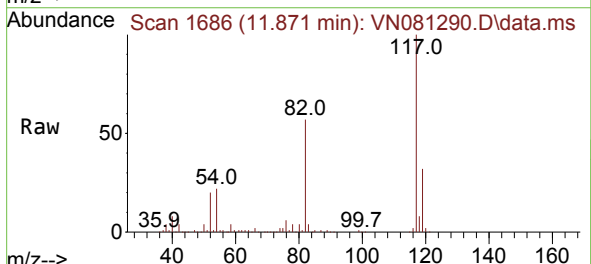
Instrument :
MSVOA_N
ClientSampleId :
TP-7

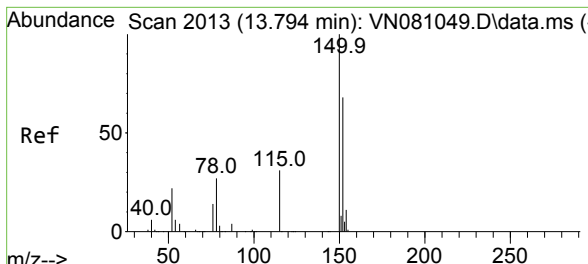
Tgt Ion: 95 Resp: 205286
Ion Ratio Lower Upper
95 100
174 70.8 0.0 120.4
176 65.8 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081290.D
Acq: 01 Mar 2024 17:07

Tgt Ion: 117 Resp: 527650
Ion Ratio Lower Upper
117 100
82 57.2 52.7 79.1
119 31.8 25.3 37.9

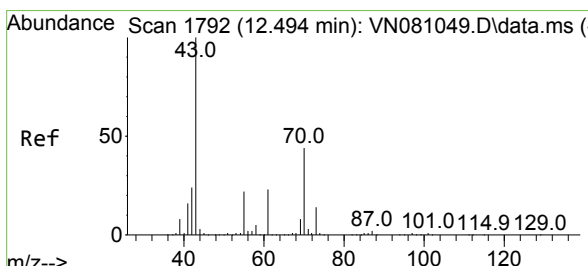
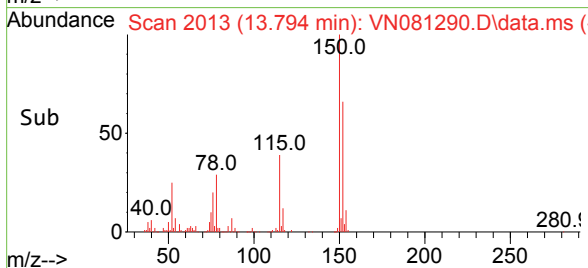
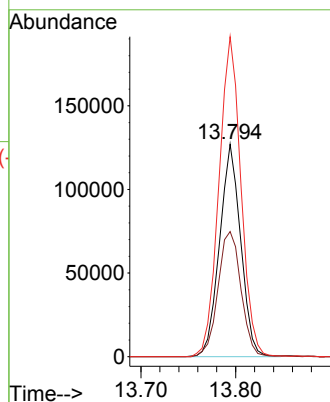
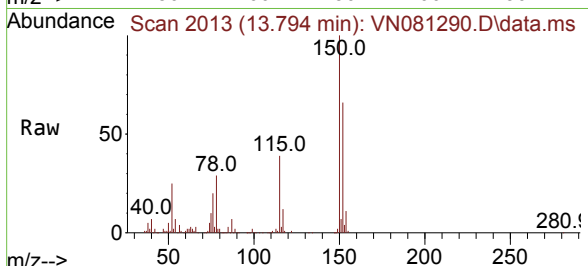




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN081290.D
 Acq: 01 Mar 2024 17:07

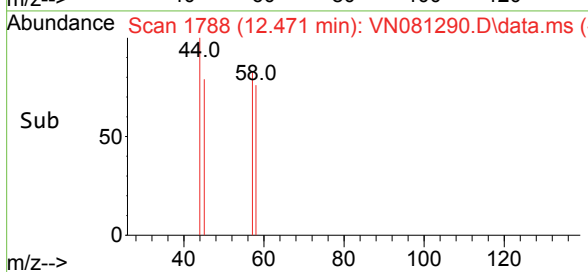
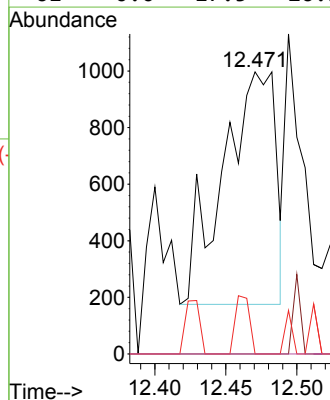
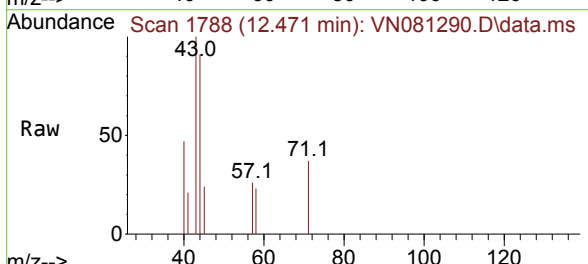
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7

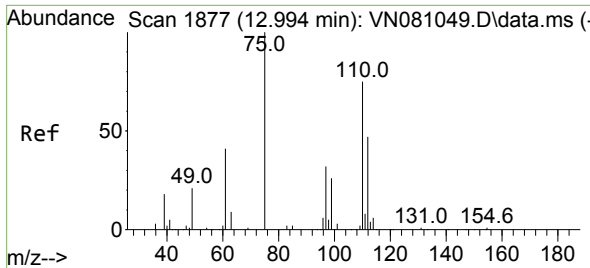
Tgt Ion:	152	Resp:	197147
Ion	Ratio	Lower	Upper
152	100		
115	64.0	32.3	96.8
150	156.8	0.0	339.8



#74
 N-ethyl acetate
 Concen: 0.289 ug/l
 RT: 12.471 min Scan# 1788
 Delta R.T. -0.024 min
 Lab File: VN081290.D
 Acq: 01 Mar 2024 17:07

Tgt Ion:	43	Resp:	2109
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.1	45.1#
55	6.7	17.0	25.4#
61	0.0	17.5	26.3#

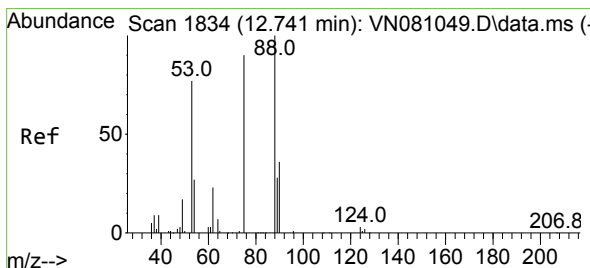
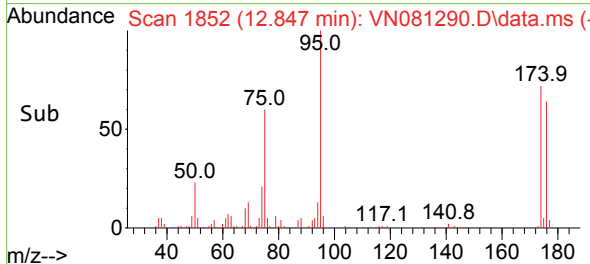
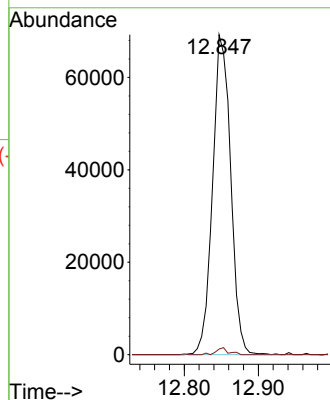
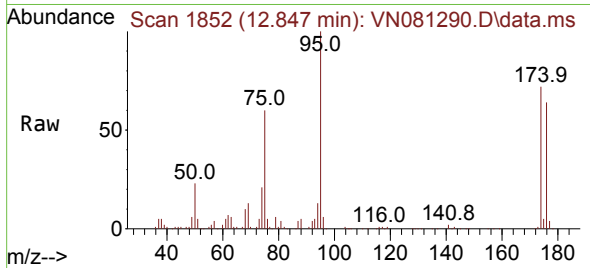




#76
1,2,3-Trichloropropane
Concen: 26.204 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081290.D
Acq: 01 Mar 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
TP-7

Tgt Ion: 75 Resp: 117376
Ion Ratio Lower Upper
75 100
77 1.5 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.447 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081290.D
Acq: 01 Mar 2024 17:07

Tgt Ion: 75 Resp: 117376
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.2#
89 0.0 33.4 50.0#

