

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021224\
 Data File : VN081008.D
 Acq On : 12 Feb 2024 17:09
 Operator : JC\MD
 Sample : P1423-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

Quant Time: Feb 13 03:22:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020624W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 07 06:22:23 2024
 Response via : Initial Calibration

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

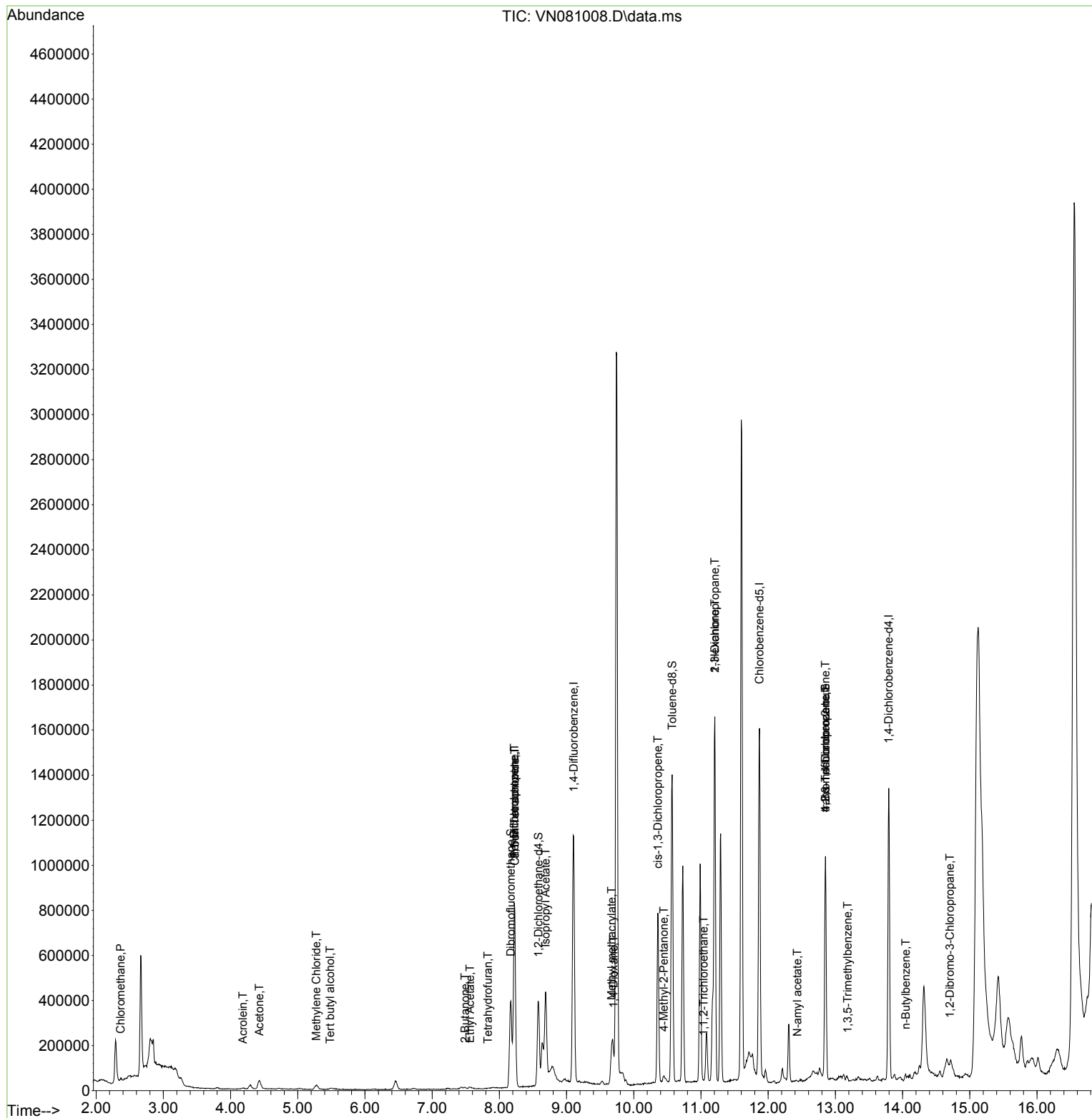
Internal Standards						
1) Pentafluorobenzene	8.224	168	626430	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	1036691	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	945109	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	362850	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	305120	38.611	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	77.220%
35) Dibromofluoromethane	8.171	113	283296	50.926	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.860%
50) Toluene-d8	10.571	98	986416	49.023	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.040%
62) 4-Bromofluorobenzene	12.853	95	347677	47.564	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.120%
Target Compounds						
						Qvalue
3) Chloromethane	2.365	50	14153	0.560	ug/l	94
11) Tert butyl alcohol	5.483	59	2345	2.154	ug/l	# 72
13) Acrolein	4.183	56	7960	5.800	ug/l	100
16) Acetone	4.430	43	71279	27.416	ug/l	# 84
18) Methyl Acetate	5.024	43	7039	Below Cal		94
20) Methylene Chloride	5.277	84	17161	2.179	ug/l	# 81
25) 2-Butanone	7.488	43	9570	2.293	ug/l	# 72
29) Tetrahydrofuran	7.830	42	1511	0.592	ug/l	# 62
36) 1,1-Dichloropropene	8.224	75	45781	5.532	ug/l	# 52
37) Ethyl Acetate	7.565	43	9672	1.545	ug/l	# 86
38) Carbon Tetrachloride	8.230	117	61076	7.199	ug/l	# 17
43) Isopropyl Acetate	8.688	43	419623	36.442	ug/l	# 89
48) Methyl methacrylate	9.671	41	10772	1.660	ug/l	# 58
49) 1,4-Dioxane	9.700	88	109382	913.126	ug/l	# 68
51) 4-Methyl-2-Pentanone	10.447	43	33116	4.772	ug/l	# 83
54) cis-1,3-Dichloropropene	10.359	75	147853	13.847	ug/l	# 54
55) 1,1,2-Trichloroethane	11.041	97	1670	0.256	ug/l	# 32
57) 1,3-Dichloropropane	11.206	76	19530	1.846	ug/l	# 46
59) 2-Hexanone	11.206	43	169983	32.319	ug/l	# 62
74) N-amyl acetate	12.435	43	3288	0.323	ug/l	# 57
76) 1,2,3-Trichloropropane	12.853	75	171770	23.217	ug/l	# 1
80) 1,3,5-Trimethylbenzene	13.182	105	5377	0.234	ug/l	# 96
81) trans-1,4-Dichloro-2-b...	12.853	75	171770	63.079	ug/l	# 15
89) n-Butylbenzene	14.047	91	9258	0.472	ug/l	# 60
92) 1,2-Dibromo-3-Chloropr...	14.706	75	885	0.539	ug/l	# 27

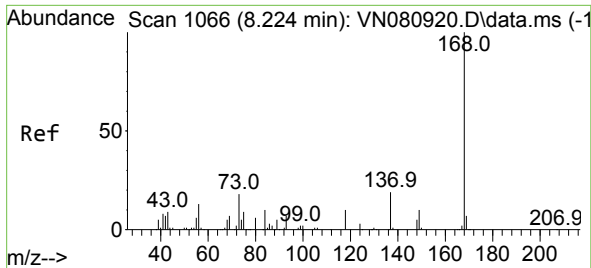
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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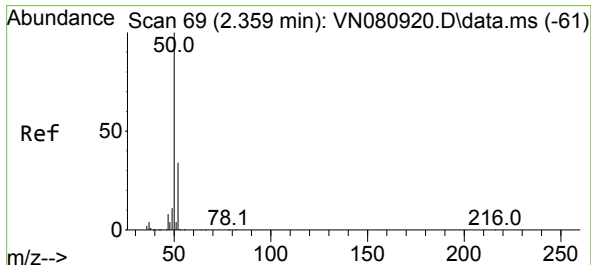
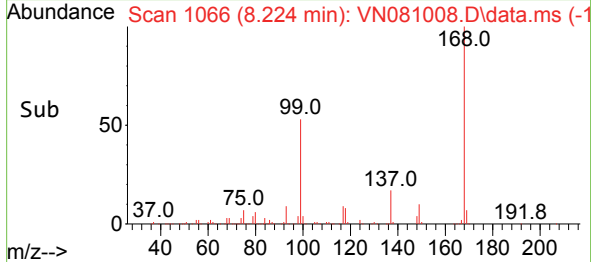
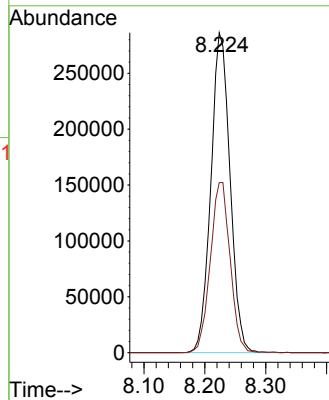
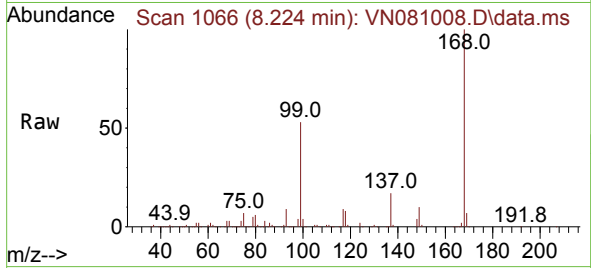




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN081008.D
Acq: 12 Feb 2024 17:09

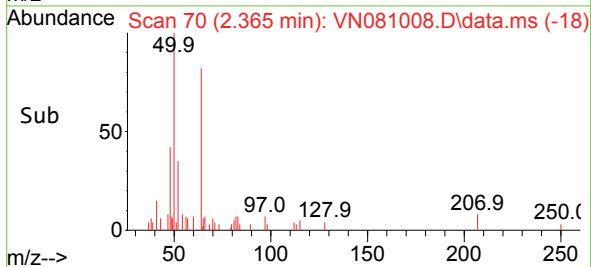
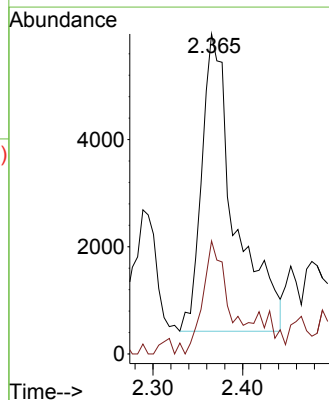
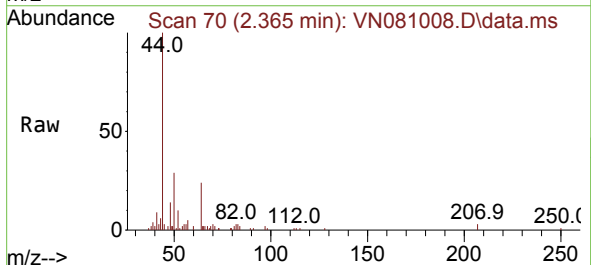
Instrument :
MSVOA_N
ClientSampleId :
TP-3

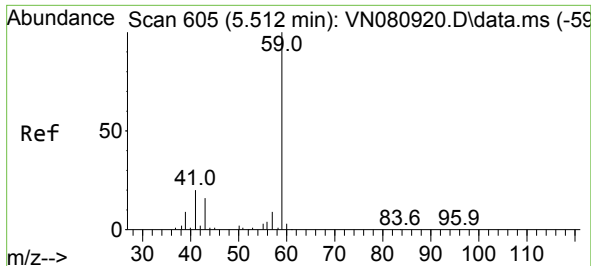
Tgt Ion:168 Resp: 626430
Ion Ratio Lower Upper
168 100
99 53.1 59.9 89.9#



#3
Chloromethane
Concen: 0.560 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN081008.D
Acq: 12 Feb 2024 17:09

Tgt Ion: 50 Resp: 14153
Ion Ratio Lower Upper
50 100
52 34.4 25.0 37.4





#11

Tert butyl alcohol

Concen: 2.154 ug/l

RT: 5.483 min Scan# 605

Delta R.T. -0.029 min

Lab File: VN081008.D

Acq: 12 Feb 2024 17:09

Instrument :

MSVOA_N

ClientSampleId :

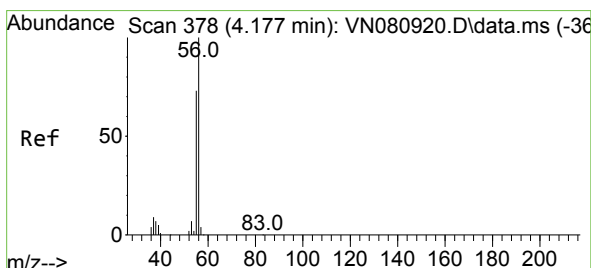
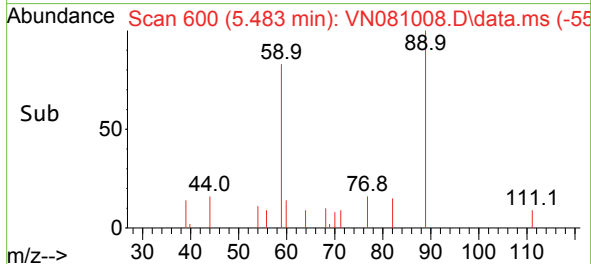
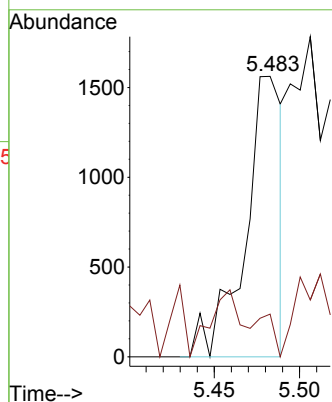
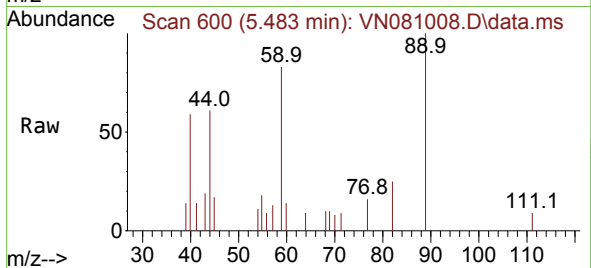
TP-3

Tgt Ion: 59 Resp: 2345

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#13

Acrolein

Concen: 5.800 ug/l

RT: 4.183 min Scan# 379

Delta R.T. 0.006 min

Lab File: VN081008.D

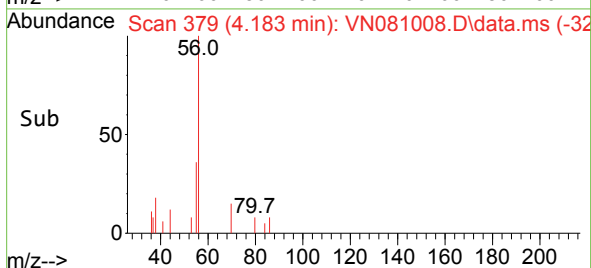
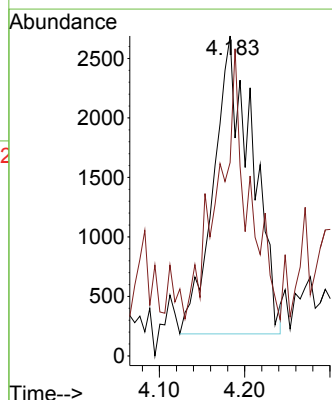
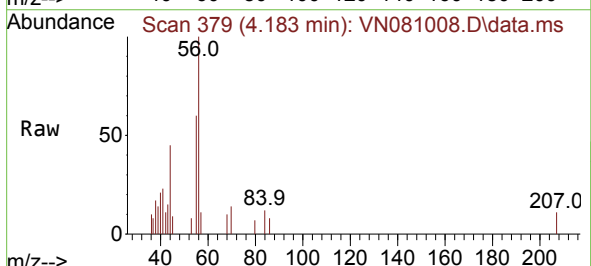
Acq: 12 Feb 2024 17:09

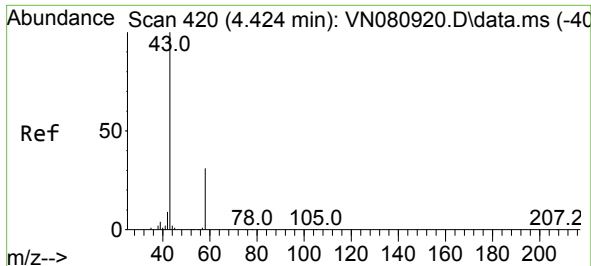
Tgt Ion: 56 Resp: 7960

Ion Ratio Lower Upper

56 100

55 69.3 55.3 82.9

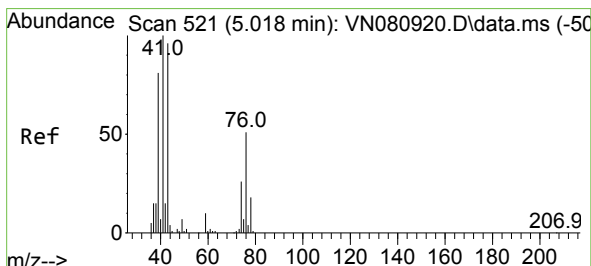
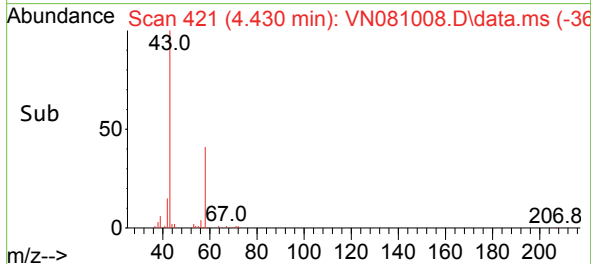
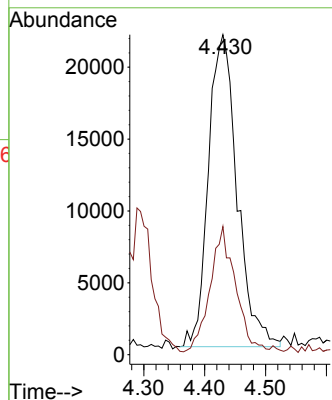
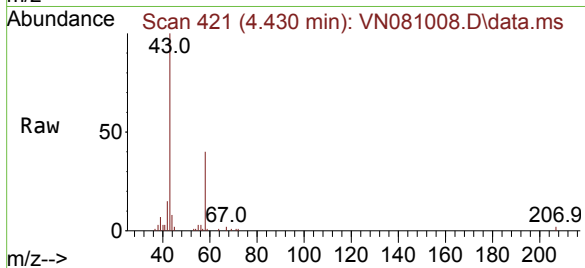




#16
Acetone
Concen: 27.416 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081008.D
Acq: 12 Feb 2024 17:09

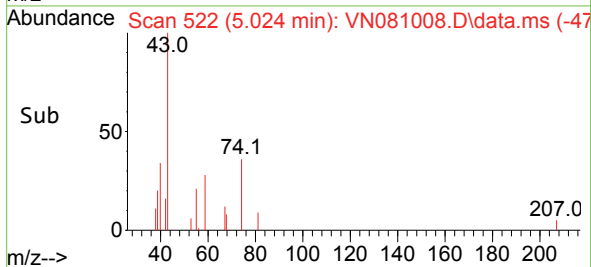
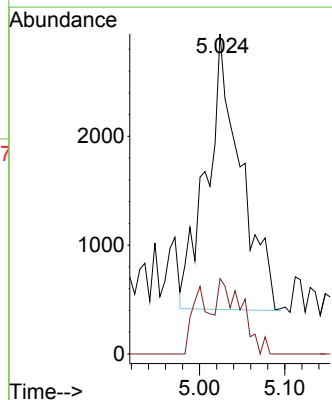
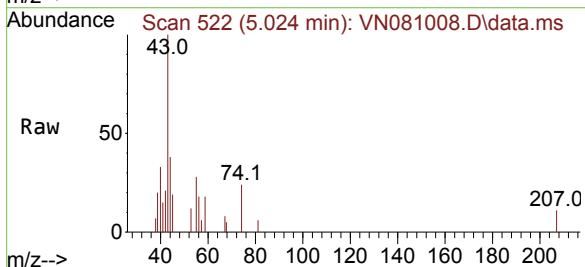
Instrument :
MSVOA_N
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TP-3

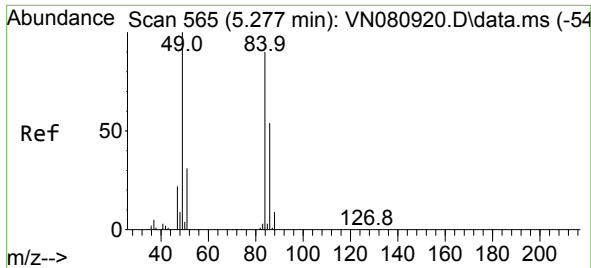
Tgt Ion: 43 Resp: 71279
Ion Ratio Lower Upper
43 100
58 40.0 24.8 37.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN081008.D
Acq: 12 Feb 2024 17:09

Tgt Ion: 43 Resp: 7039
Ion Ratio Lower Upper
43 100
74 18.7 17.3 25.9

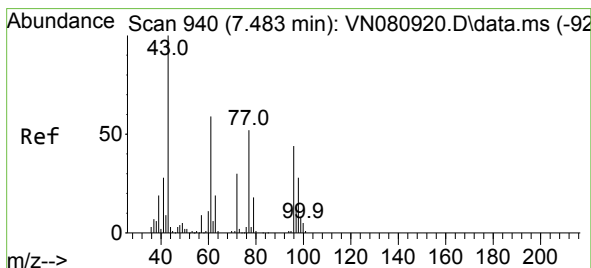
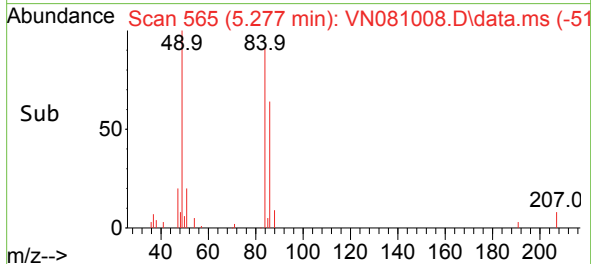
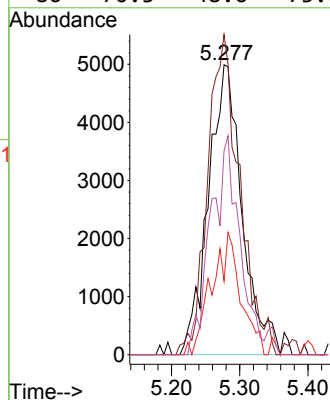
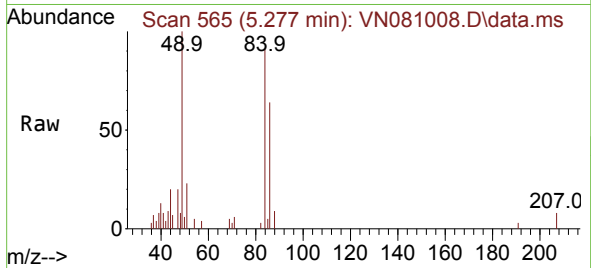




#20
Methylene Chloride
Concen: 2.179 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN081008.D
Acq: 12 Feb 2024 17:09

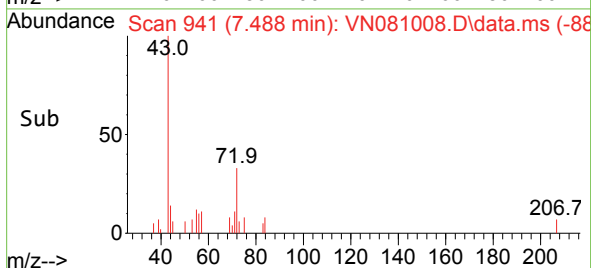
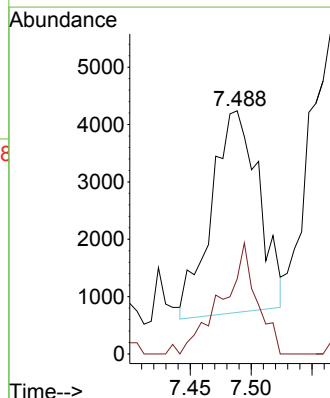
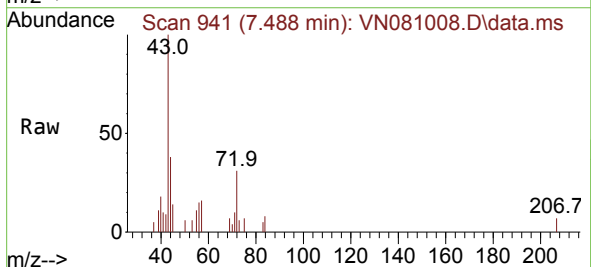
Instrument :
MSVOA_N
ClientSampleId :
TP-3

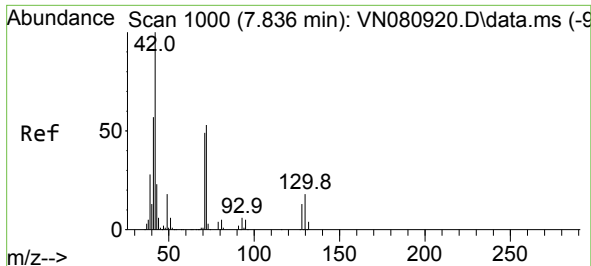
Tgt Ion: 84 Resp: 17161
Ion Ratio Lower Upper
84 100
49 110.4 108.1 162.1
51 25.4 32.9 49.3#
86 70.3 48.6 73.0



#25
2-Butanone
Concen: 2.293 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081008.D
Acq: 12 Feb 2024 17:09

Tgt Ion: 43 Resp: 9570
Ion Ratio Lower Upper
43 100
72 38.2 19.5 29.3#





#29

Tetrahydrofuran

Concen: 0.592 ug/l

RT: 7.830 min Scan# 999

Delta R.T. -0.006 min

Lab File: VN081008.D

Acq: 12 Feb 2024 17:09

Instrument :

MSVOA_N

ClientSampleId :

TP-3

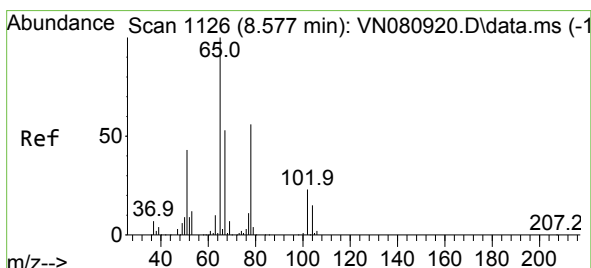
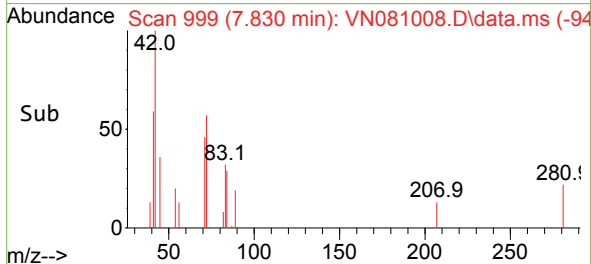
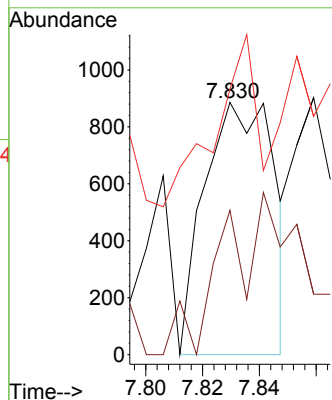
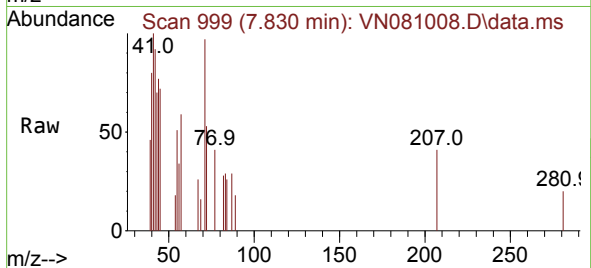
Tgt Ion: 42 Resp: 1511

Ion Ratio Lower Upper

42 100

72 28.3 31.1 46.7#

71 0.0 28.3 42.5#



#33

1,2-Dichloroethane-d4

Concen: 38.611 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081008.D

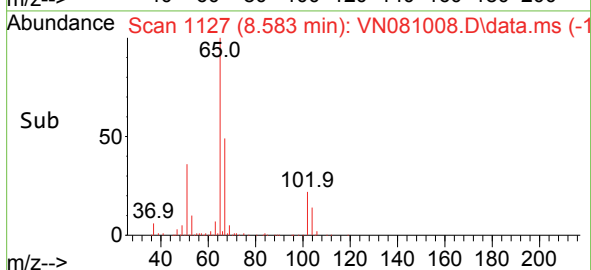
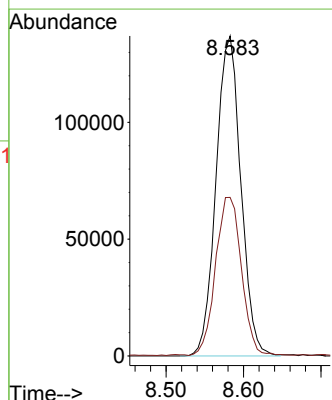
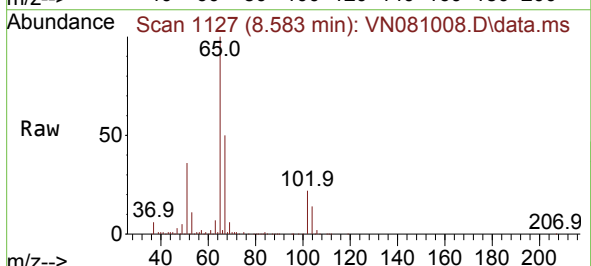
Acq: 12 Feb 2024 17:09

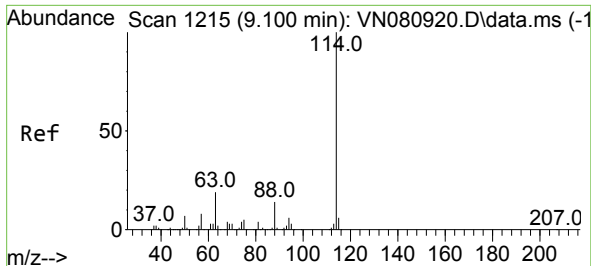
Tgt Ion: 65 Resp: 305120

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.4

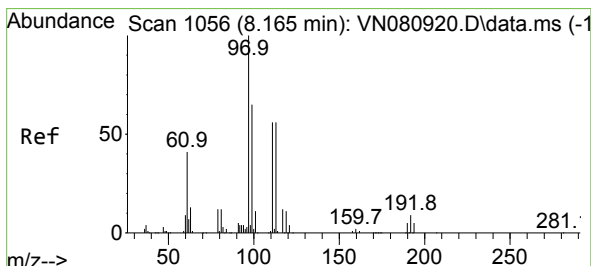
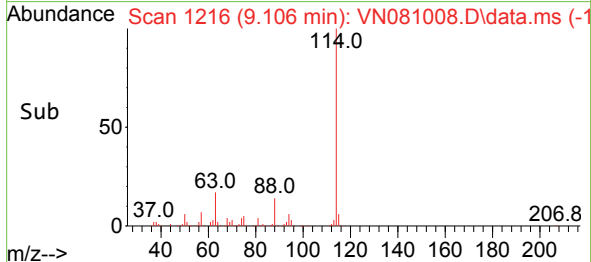
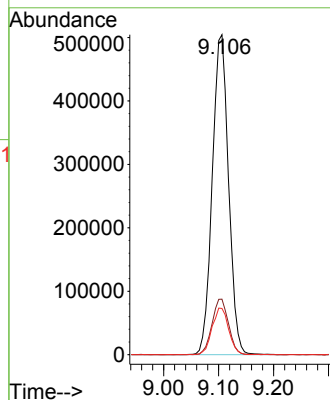
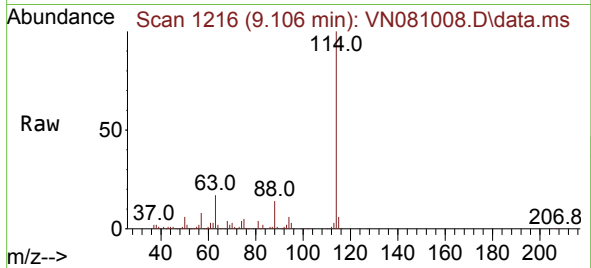




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081008.D
Acq: 12 Feb 2024 17:09

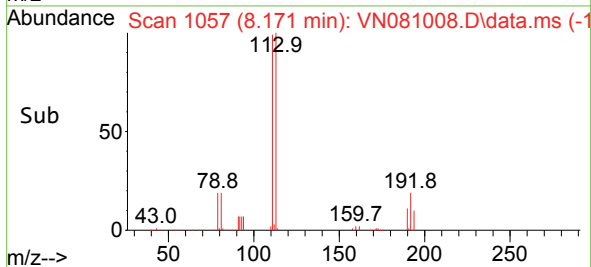
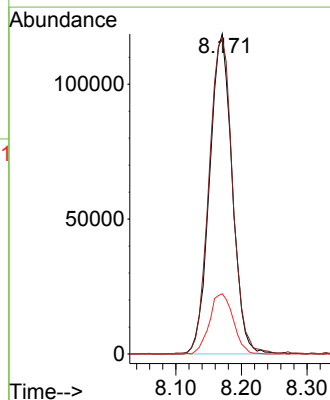
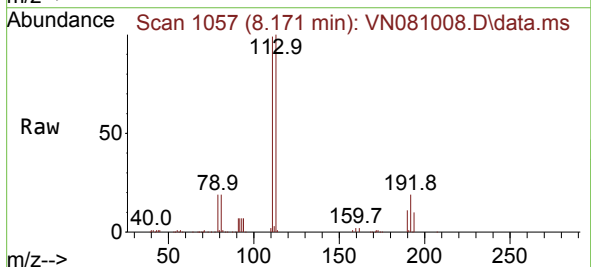
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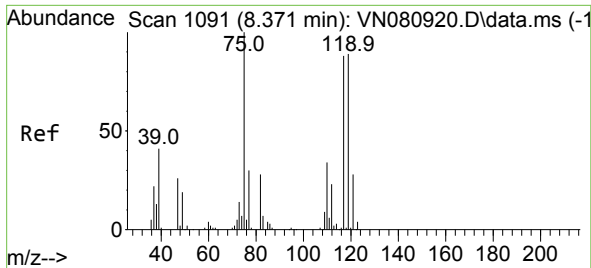
Tgt Ion:114 Resp: 1036691
Ion Ratio Lower Upper
114 100
63 17.4 0.0 48.0
88 14.5 0.0 34.8



#35
Dibromofluoromethane
Concen: 50.926 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081008.D
Acq: 12 Feb 2024 17:09

Tgt Ion:113 Resp: 283296
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.4
192 19.8 12.5 18.7#

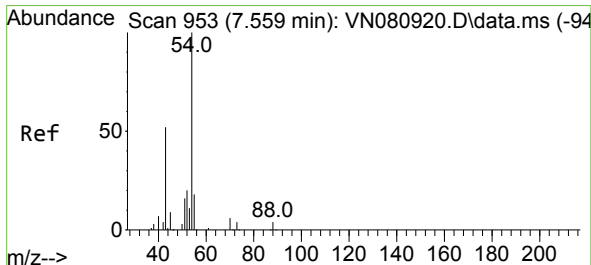
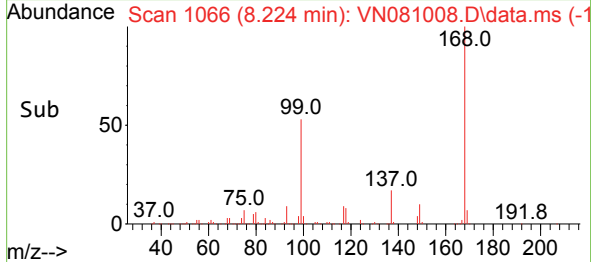
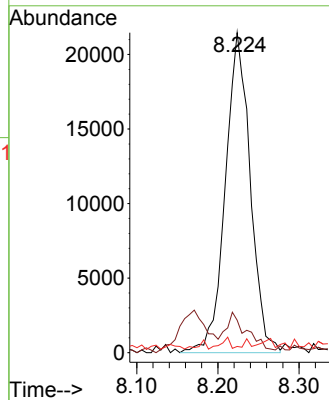
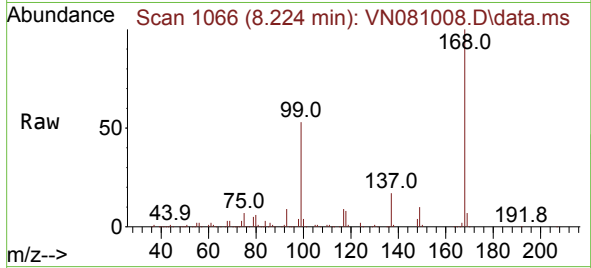




#36
1,1-Dichloropropene
Concen: 5.532 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.147 min
Lab File: VN081008.D
Acq: 12 Feb 2024 17:09

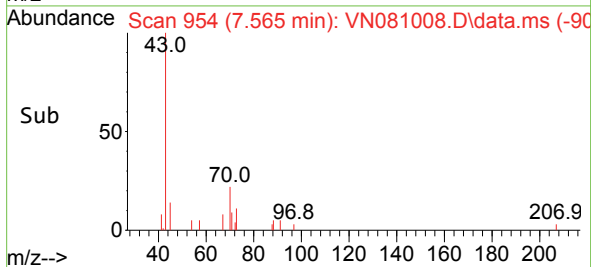
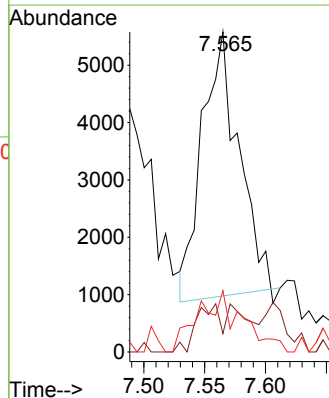
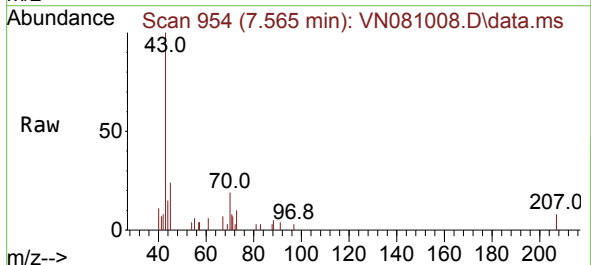
Instrument :
MSVOA_N
ClientSampleId :
TP-3

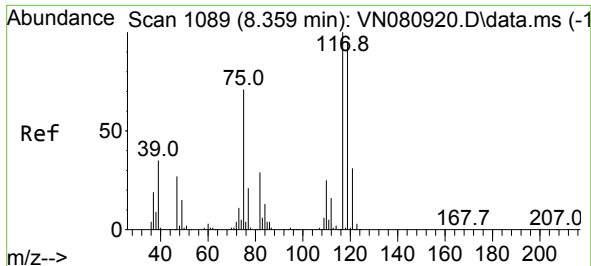
Tgt Ion: 75 Resp: 45781
Ion Ratio Lower Upper
75 100
110 9.8 16.0 48.0#
77 0.9 25.8 38.6#



#37
Ethyl Acetate
Concen: 1.545 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN081008.D
Acq: 12 Feb 2024 17:09

Tgt Ion: 43 Resp: 9672
Ion Ratio Lower Upper
43 100
61 11.5 10.6 15.8
70 0.0 8.0 12.0#

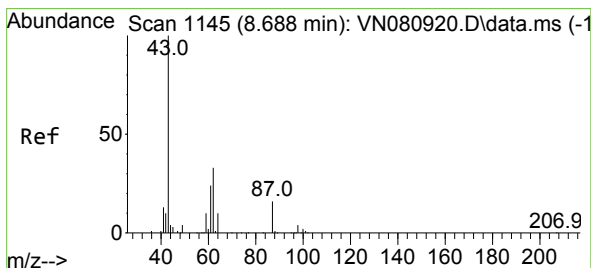
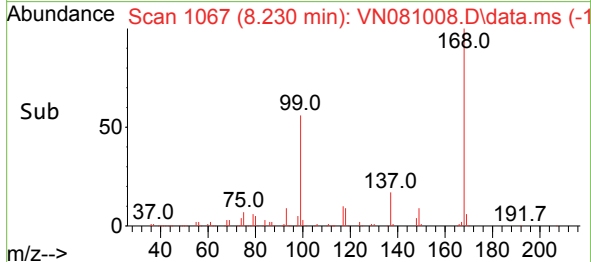
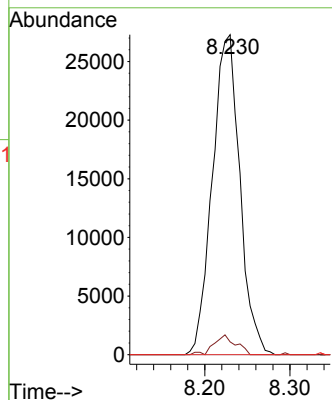
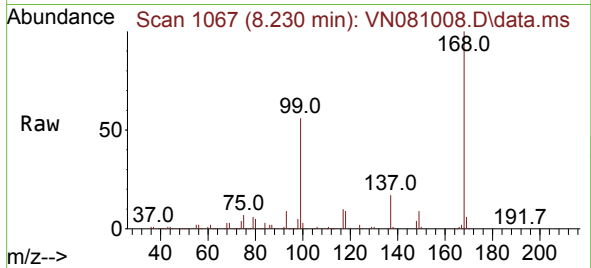




#38
Carbon Tetrachloride
Concen: 7.199 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.129 min
Lab File: VN081008.D
Acq: 12 Feb 2024 17:09

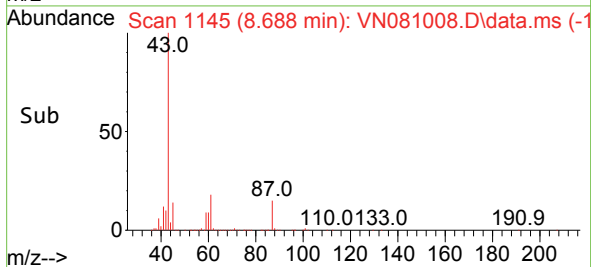
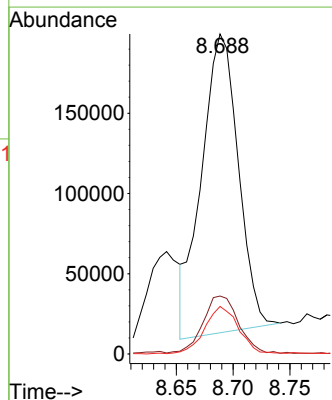
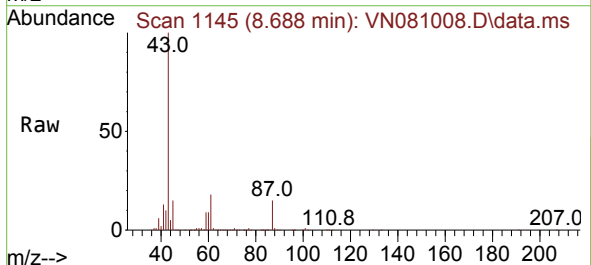
Instrument :
MSVOA_N
ClientSampleId :
TP-3

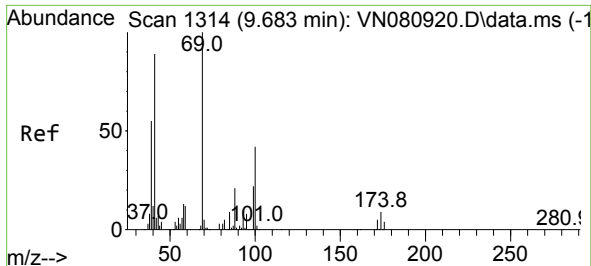
Tgt Ion:117 Resp: 61076
Ion Ratio Lower Upper
117 100
119 4.0 73.4 110.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 36.442 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN081008.D
Acq: 12 Feb 2024 17:09

Tgt Ion: 43 Resp: 419623
Ion Ratio Lower Upper
43 100
61 18.8 19.9 29.9#
87 14.8 9.0 13.6#

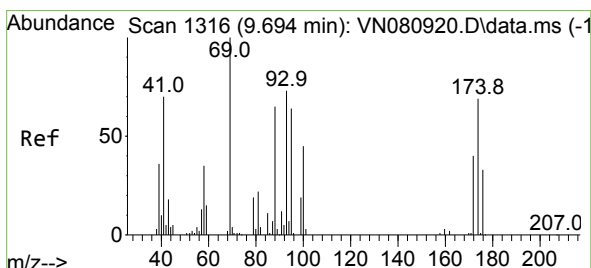
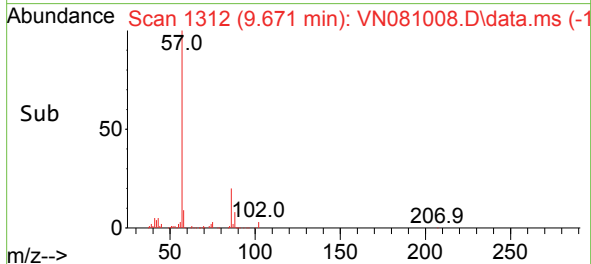
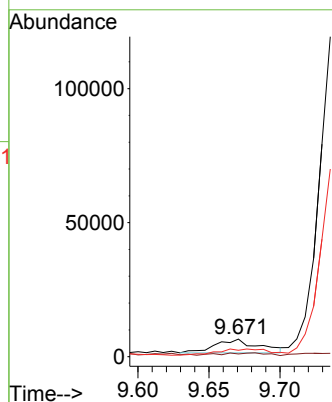
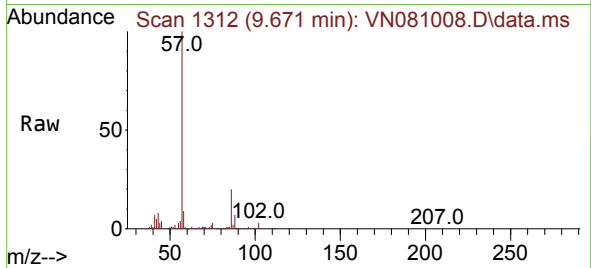




#48
Methyl methacrylate
Concen: 1.660 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN081008.D
Acq: 12 Feb 2024 17:09

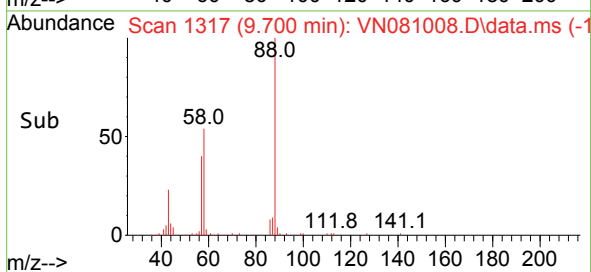
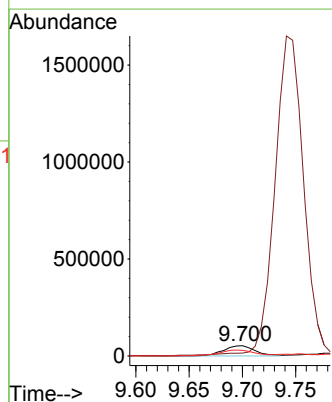
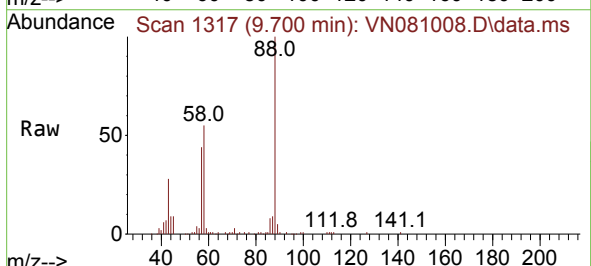
Instrument :
MSVOA_N
ClientSampleId :
TP-3

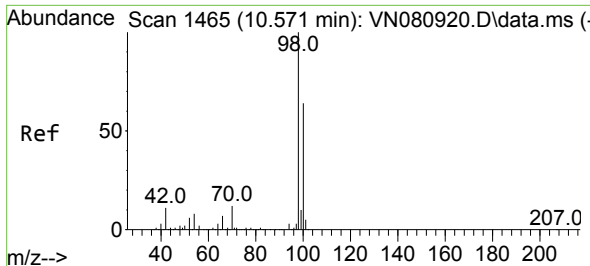
Tgt Ion: 41 Resp: 10772
Ion Ratio Lower Upper
41 100
69 15.0 62.2 93.2#
39 57.0 47.6 71.4



#49
1,4-Dioxane
Concen: 913.126 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VN081008.D
Acq: 12 Feb 2024 17:09

Tgt Ion: 88 Resp: 109382
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 64.6 63.9 95.9

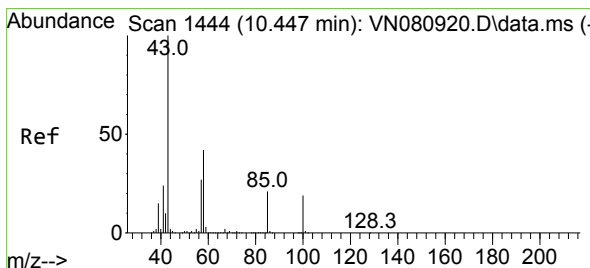
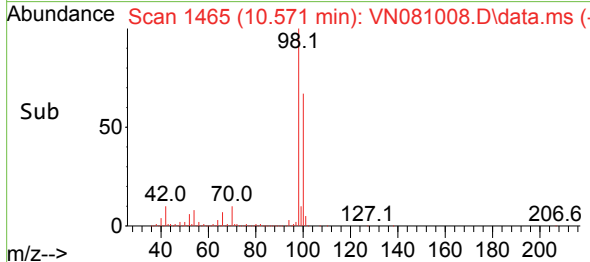
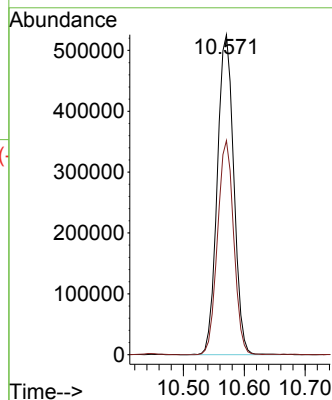
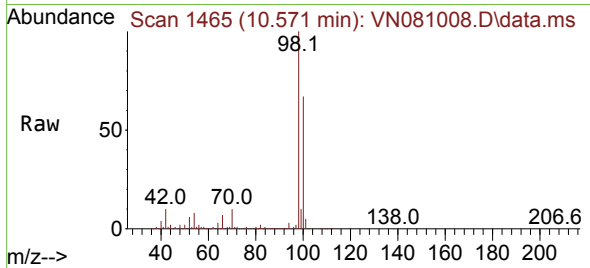




#50
Toluene-d8
Concen: 49.023 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN081008.D
Acq: 12 Feb 2024 17:09

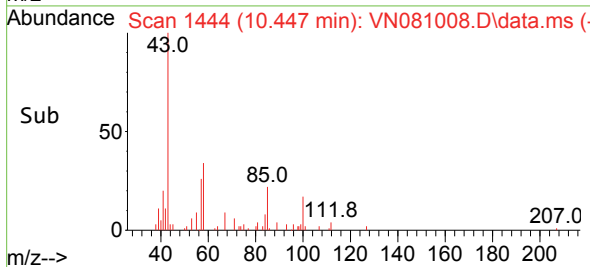
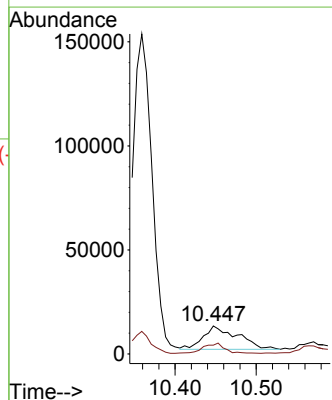
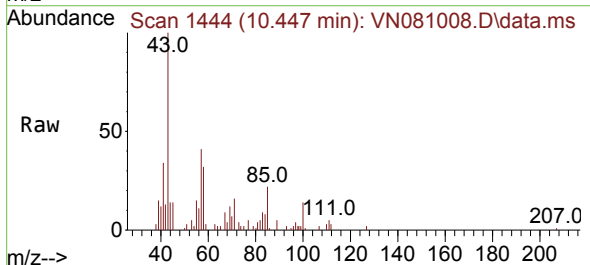
Instrument :
MSVOA_N
ClientSampleId :
TP-3

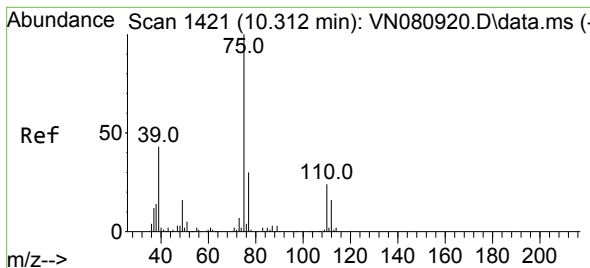
Tgt Ion: 98 Resp: 986416
Ion Ratio Lower Upper
98 100
100 65.8 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 4.772 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN081008.D
Acq: 12 Feb 2024 17:09

Tgt Ion: 43 Resp: 33116
Ion Ratio Lower Upper
43 100
58 26.7 29.4 44.0#

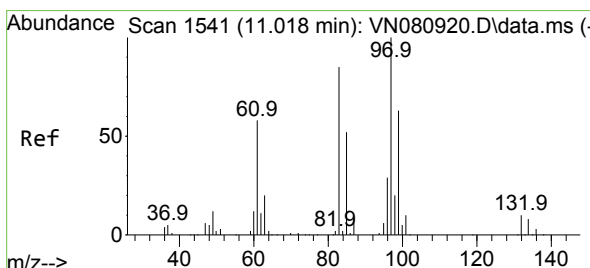
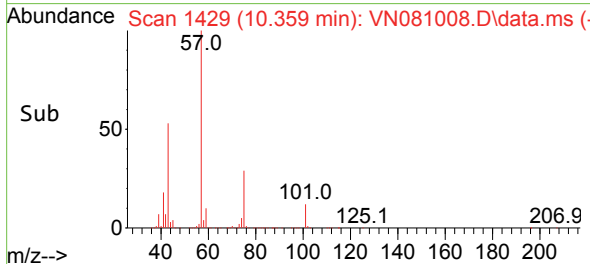
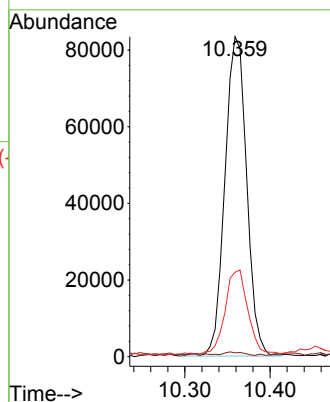
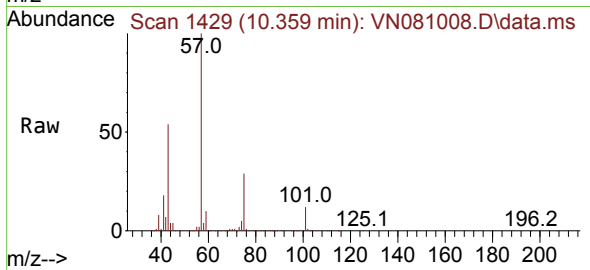




#54
 cis-1,3-Dichloropropene
 Concen: 13.847 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN081008.D
 Acq: 12 Feb 2024 17:09

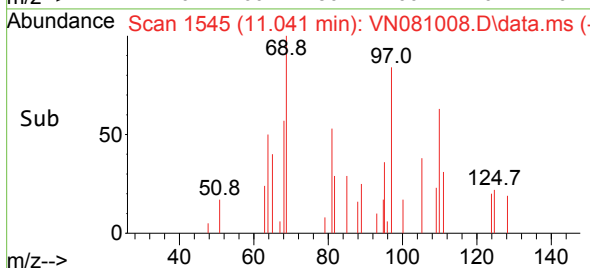
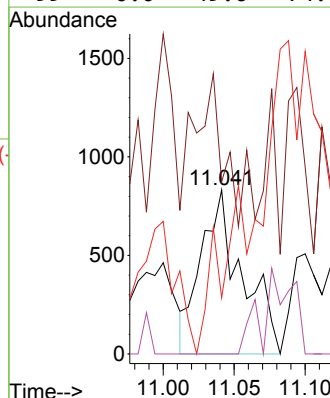
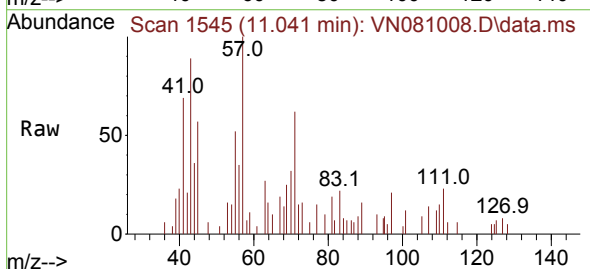
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

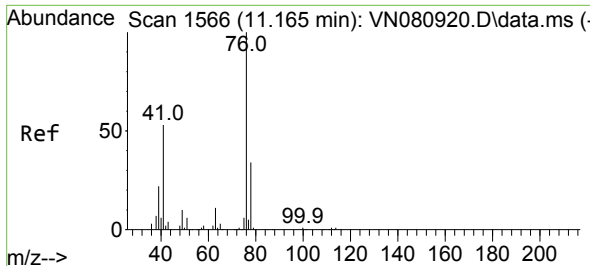
Tgt Ion: 75 Resp: 147853
 Ion Ratio Lower Upper
 75 100
 77 0.5 23.3 34.9#
 39 25.6 44.6 66.8#



#55
 1,1,2-Trichloroethane
 Concen: 0.256 ug/l
 RT: 11.041 min Scan# 1545
 Delta R.T. 0.023 min
 Lab File: VN081008.D
 Acq: 12 Feb 2024 17:09

Tgt Ion: 97 Resp: 1670
 Ion Ratio Lower Upper
 97 100
 83 44.2 72.9 109.3#
 85 0.0 50.2 75.2#
 99 0.0 49.6 74.4#

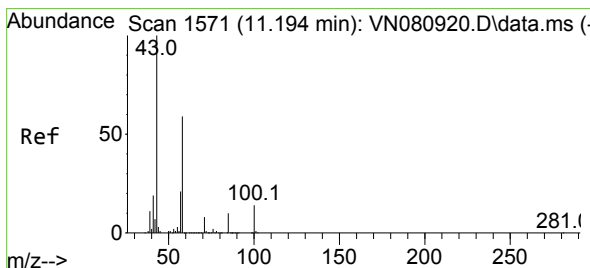
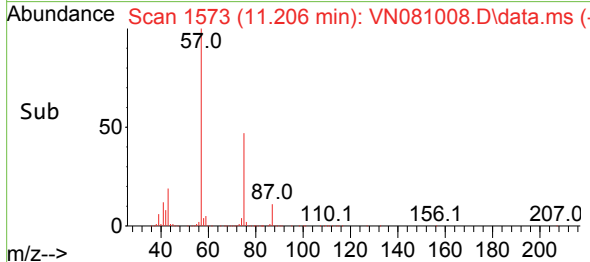
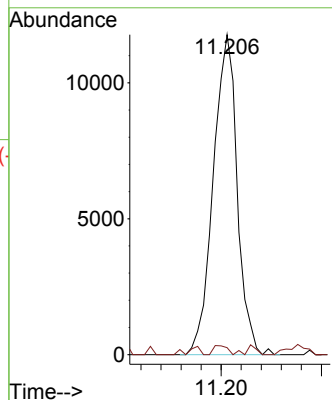
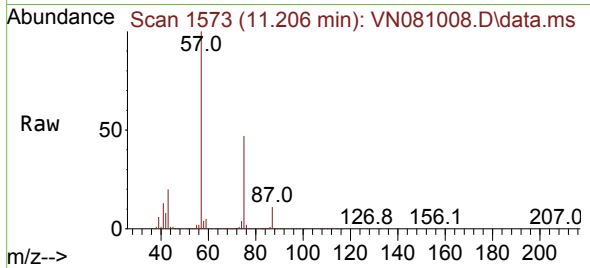




#57
1,3-Dichloropropane
Concen: 1.846 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN081008.D
Acq: 12 Feb 2024 17:09

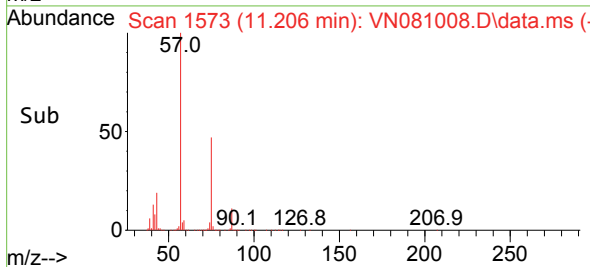
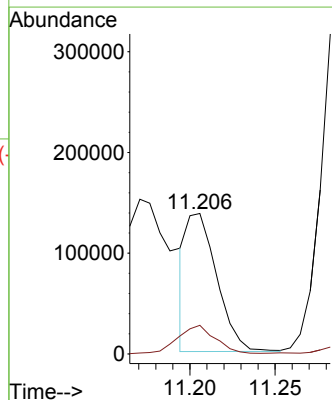
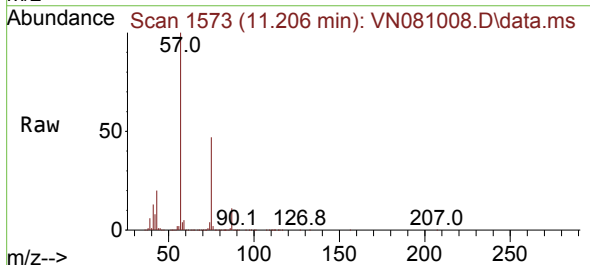
Instrument :
MSVOA_N
ClientSampleId :
TP-3

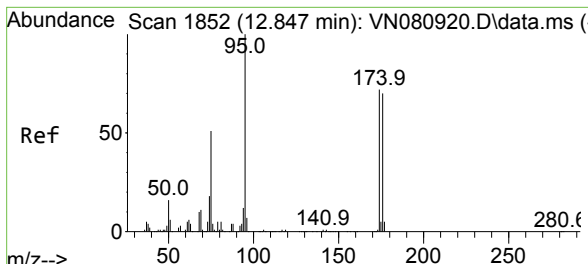
Tgt Ion: 76 Resp: 19530
Ion Ratio Lower Upper
76 100
78 1.7 25.5 38.3#



#59
2-Hexanone
Concen: 32.319 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.012 min
Lab File: VN081008.D
Acq: 12 Feb 2024 17:09

Tgt Ion: 43 Resp: 169983
Ion Ratio Lower Upper
43 100
58 25.2 25.9 77.8#

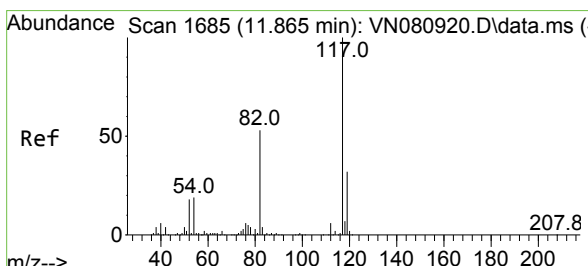
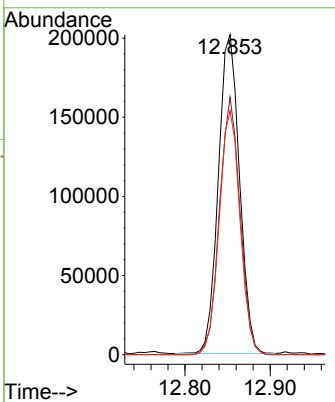
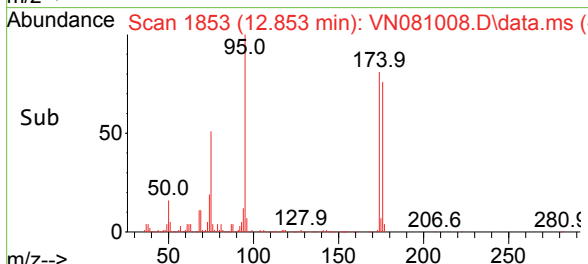
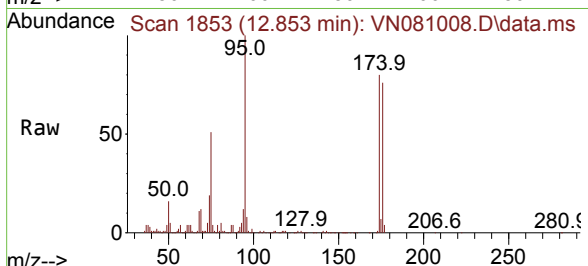




#62
 4-Bromofluorobenzene
 Concen: 47.564 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: VN081008.D
 Acq: 12 Feb 2024 17:09

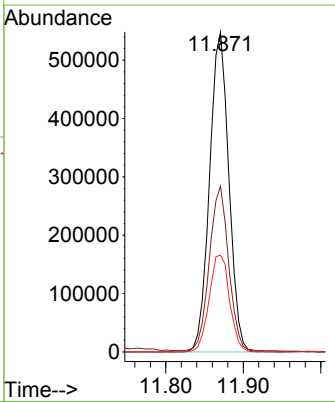
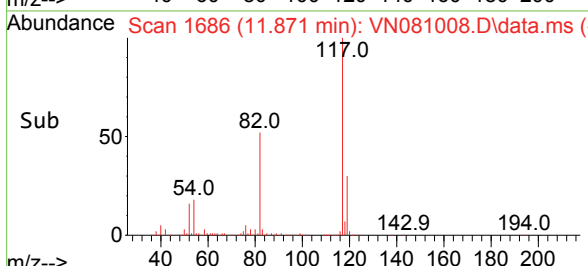
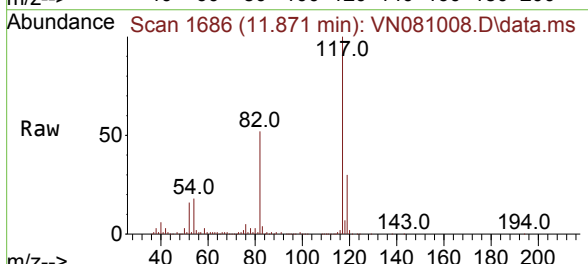
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

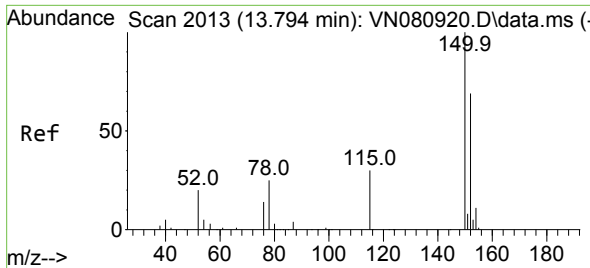
Tgt Ion:	95	Resp:	347677
Ion	Ratio	Lower	Upper
95	100		
174	78.6	0.0	120.4
176	75.6	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.006 min
 Lab File: VN081008.D
 Acq: 12 Feb 2024 17:09

Tgt Ion:	117	Resp:	945109
Ion	Ratio	Lower	Upper
117	100		
82	51.4	52.7	79.1
119	30.3	25.3	37.9

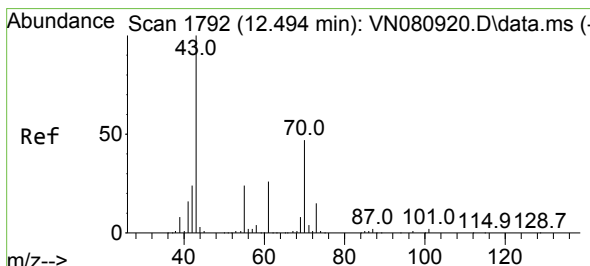
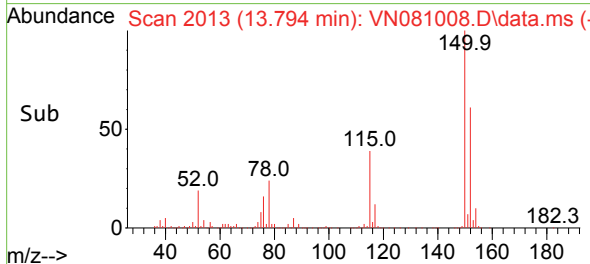
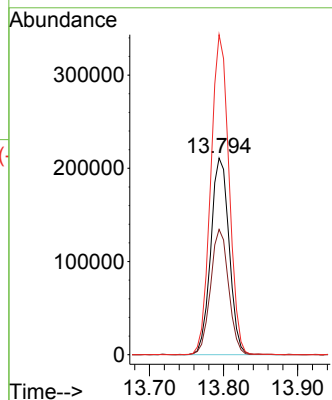
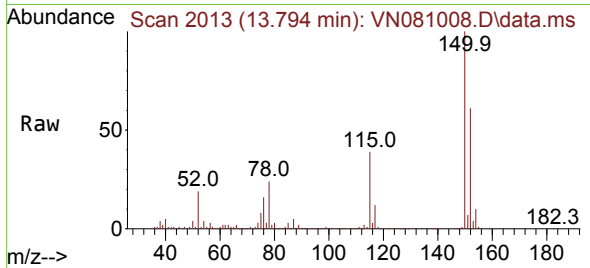




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081008.D
Acq: 12 Feb 2024 17:09

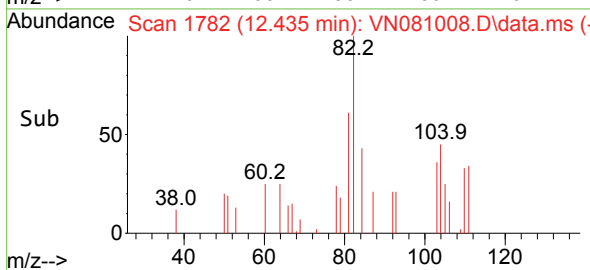
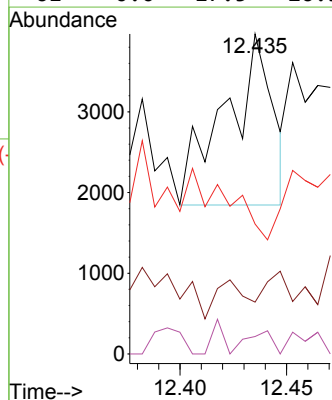
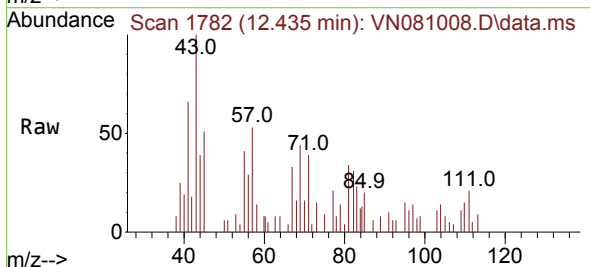
Instrument :
MSVOA_N
ClientSampleId :
TP-3

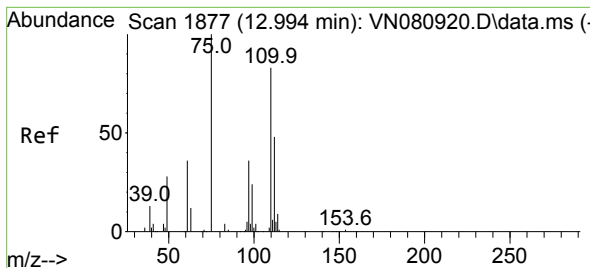
Tgt Ion:152 Resp: 362850
Ion Ratio Lower Upper
152 100
115 62.7 32.3 96.8
150 162.0 0.0 339.8



#74
N-ethyl acetate
Concen: 0.323 ug/l
RT: 12.435 min Scan# 1792
Delta R.T. -0.059 min
Lab File: VN081008.D
Acq: 12 Feb 2024 17:09

Tgt Ion: 43 Resp: 3288
Ion Ratio Lower Upper
43 100
70 14.1 30.1 45.1#
55 0.0 17.0 25.4#
61 0.0 17.5 26.3#





#76

1,2,3-Trichloropropane

Concen: 23.217 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081008.D

Acq: 12 Feb 2024 17:09

Instrument :

MSVOA_N

ClientSampleId :

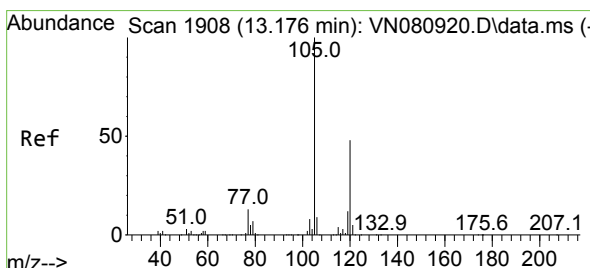
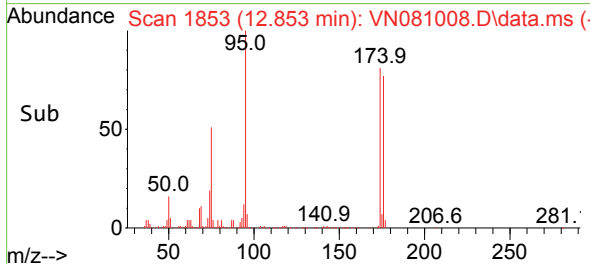
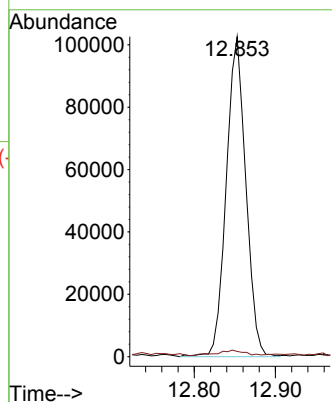
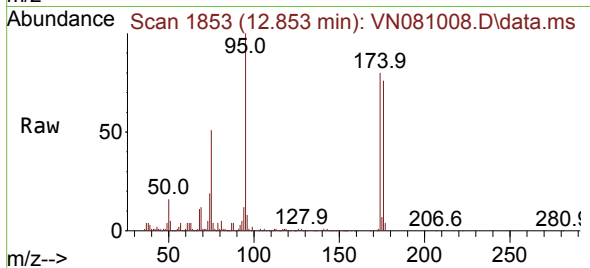
TP-3

Tgt Ion: 75 Resp: 171770

Ion Ratio Lower Upper

75 100

77 2.3 91.0 272.8#



#80

1,3,5-Trimethylbenzene

Concen: 0.234 ug/l

RT: 13.182 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VN081008.D

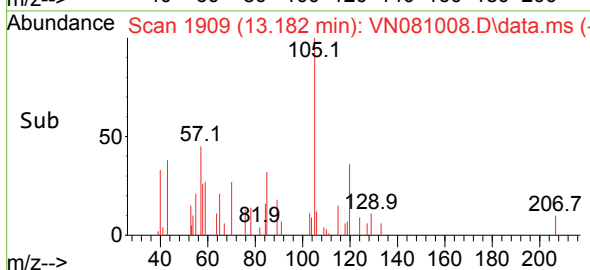
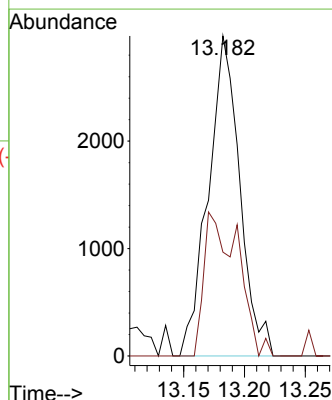
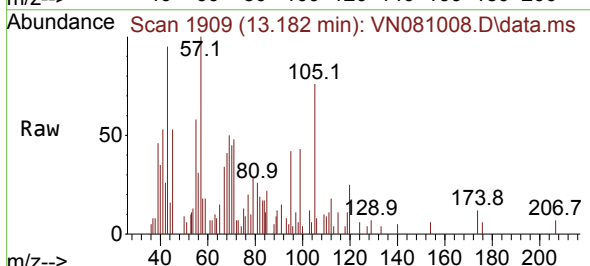
Acq: 12 Feb 2024 17:09

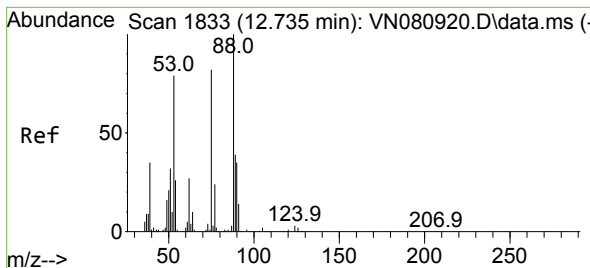
Tgt Ion: 105 Resp: 5377

Ion Ratio Lower Upper

105 100

120 48.3 23.0 69.0

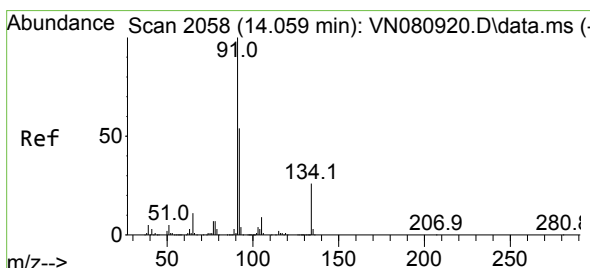
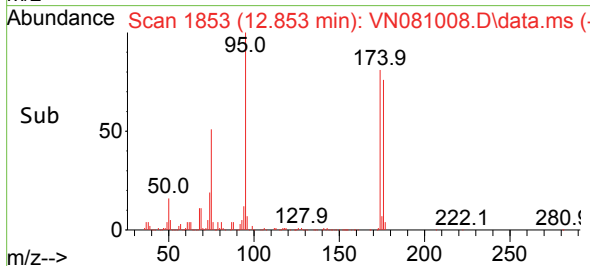
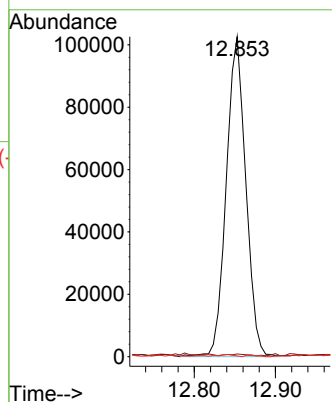
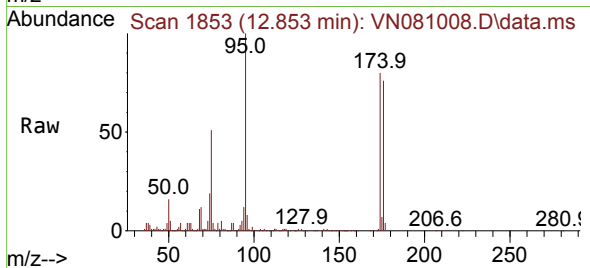




#81
trans-1,4-Dichloro-2-butene
Concen: 63.079 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN081008.D
Acq: 12 Feb 2024 17:09

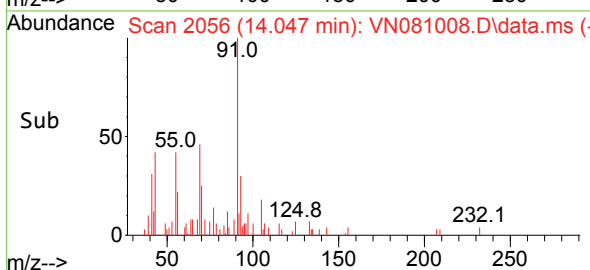
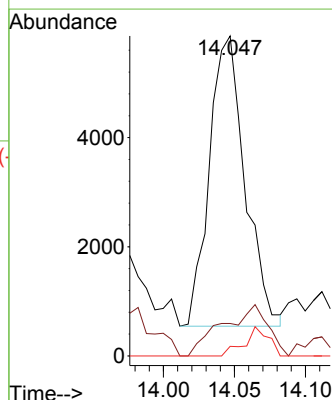
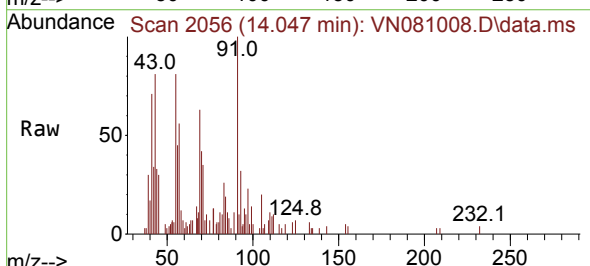
Instrument :
MSVOA_N
ClientSampleId :
TP-3

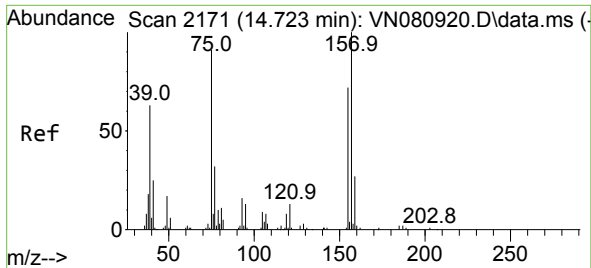
Tgt Ion: 75 Resp: 171770
Ion Ratio Lower Upper
75 100
53 0.5 71.4 107.2#
89 0.3 33.4 50.0#



#89
n-Butylbenzene
Concen: 0.472 ug/l
RT: 14.047 min Scan# 2056
Delta R.T. -0.012 min
Lab File: VN081008.D
Acq: 12 Feb 2024 17:09

Tgt Ion: 91 Resp: 9258
Ion Ratio Lower Upper
91 100
92 22.6 26.7 80.1#
134 6.7 10.8 32.4#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.539 ug/l
 RT: 14.706 min Scan# 2171
 Delta R.T. -0.018 min
 Lab File: VN081008.D
 Acq: 12 Feb 2024 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

Tgt Ion:	75	Resp:	885
Ion Ratio	Lower	Upper	
75	100		
155	26.4	31.8	95.4#
157	0.0	41.1	123.4#

