

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020124\
 Data File : VN080869.D
 Acq On : 01 Feb 2024 14:49
 Operator : JC\MD
 Sample : P1311-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

Quant Time: Feb 02 03:39:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

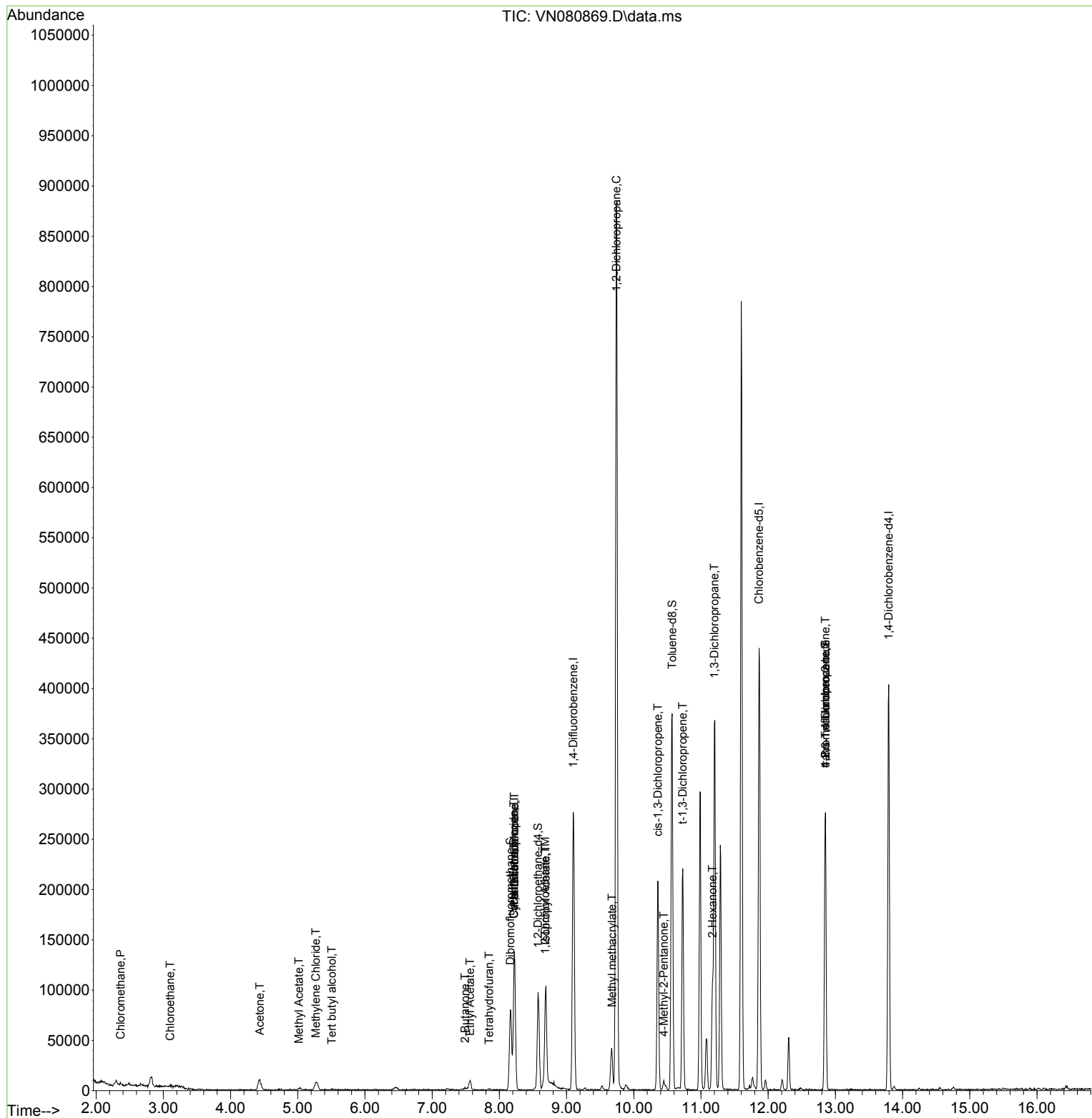
Internal Standards						
1) Pentafluorobenzene	8.224	168	83913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	199241	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	223331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	91408	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	72085	49.656	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.320%		
35) Dibromofluoromethane	8.165	113	57413	47.100	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.200%		
50) Toluene-d8	10.571	98	228768	47.950	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.900%		
62) 4-Bromofluorobenzene	12.853	95	94847	57.049	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	114.100%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1370	0.731	ug/l #	86
6) Chloroethane	3.100	64	319	0.420	ug/l #	42
11) Tert butyl alcohol	5.506	59	400	1.690	ug/l #	72
16) Acetone	4.436	43	20507	38.951	ug/l	90
18) Methyl Acetate	5.018	43	1816	0.990	ug/l	99
20) Methylene Chloride	5.271	84	3689	2.669	ug/l #	77
25) 2-Butanone	7.488	43	3477	3.477	ug/l #	69
29) Tetrahydrofuran	7.847	42	834	1.233	ug/l #	56
31) Cyclohexane	8.218	56	3090	1.241	ug/l #	28
36) 1,1-Dichloropropene	8.224	75	10172	4.490	ug/l #	47
37) Ethyl Acetate	7.565	43	14678	6.293	ug/l #	91
38) Carbon Tetrachloride	8.218	117	10590	5.801	ug/l #	18
42) 1,2-Dichloroethane	8.682	62	570	0.263	ug/l #	75
43) Isopropyl Acetate	8.688	43	128374	30.232	ug/l #	87
45) 1,2-Dichloropropane	9.741	63	978	0.543	ug/l #	42
48) Methyl methacrylate	9.676	41	3443	1.672	ug/l #	46
51) 4-Methyl-2-Pentanone	10.447	43	8431	3.552	ug/l #	73
53) t-1,3-Dichloropropene	10.729	75	520	0.206	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	31238	11.369	ug/l #	71
57) 1,3-Dichloropropane	11.200	76	3593	1.301	ug/l #	43
59) 2-Hexanone	11.171	43	100176	54.329	ug/l #	26
76) 1,2,3-Trichloropropane	12.853	75	57234	20.760	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	57234	53.483	ug/l #	14

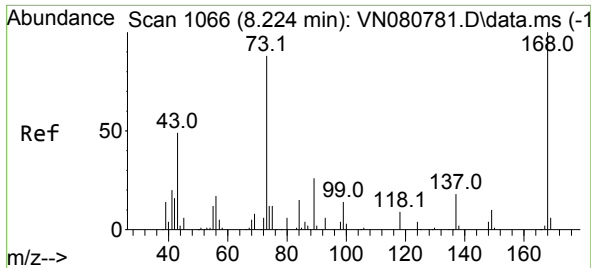
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 02 03:39:31 2024
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Quant Title : SW846 8260
QLast Update : Mon Jan 29 12:54:23 2024
Response via : Initial Calibration

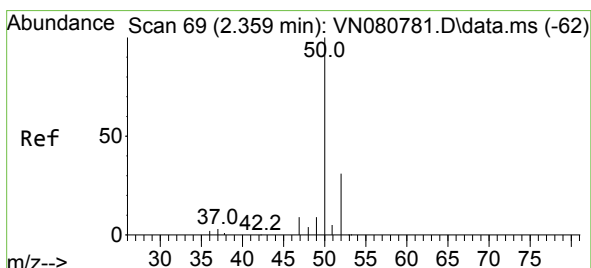
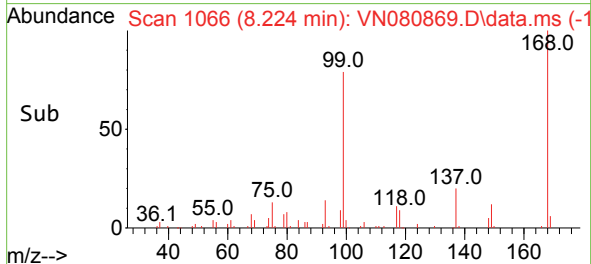
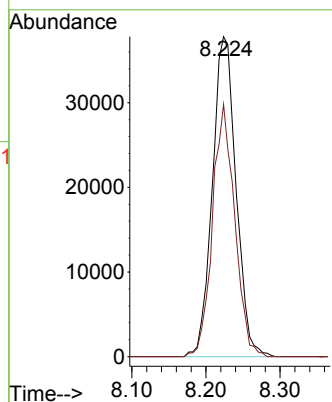
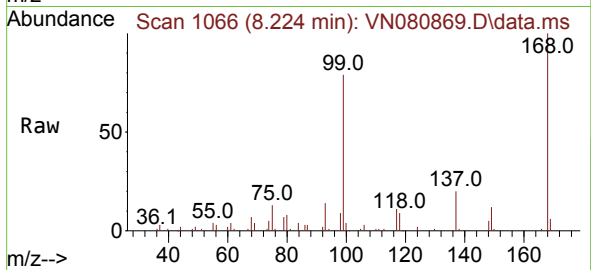




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN080869.D
Acq: 01 Feb 2024 14:49

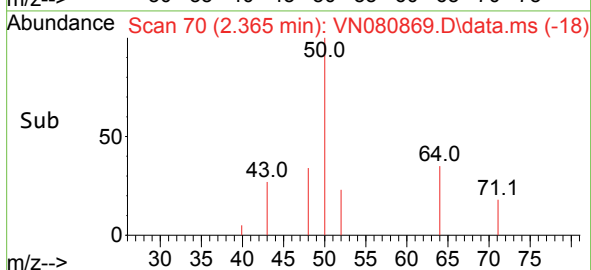
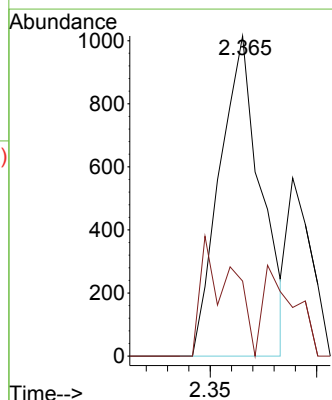
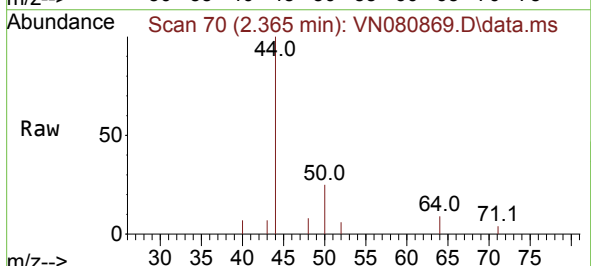
Instrument :
MSVOA_N
ClientSampleId :
TP-4

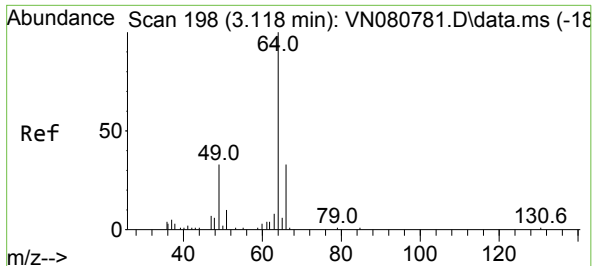
Tgt Ion:168 Resp: 83913
Ion Ratio Lower Upper
168 100
99 78.9 59.9 89.9



#3
Chloromethane
Concen: 0.731 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080869.D
Acq: 01 Feb 2024 14:49

Tgt Ion: 50 Resp: 1370
Ion Ratio Lower Upper
50 100
52 23.4 25.0 37.4#

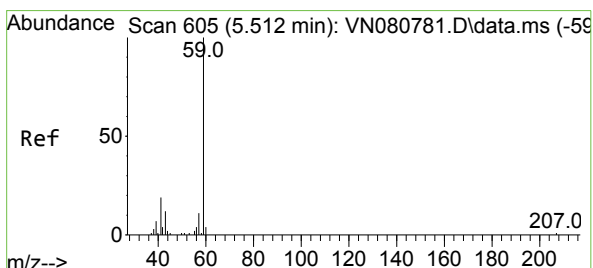
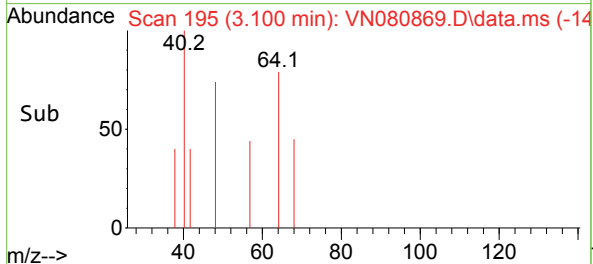
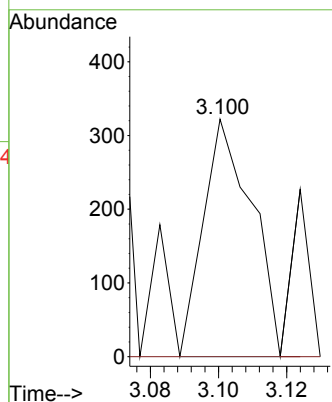
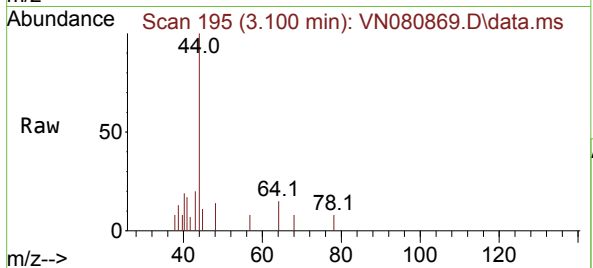




#6
Chloroethane
Concen: 0.420 ug/l
RT: 3.100 min Scan# 198
Delta R.T. -0.018 min
Lab File: VN080869.D
Acq: 01 Feb 2024 14:49

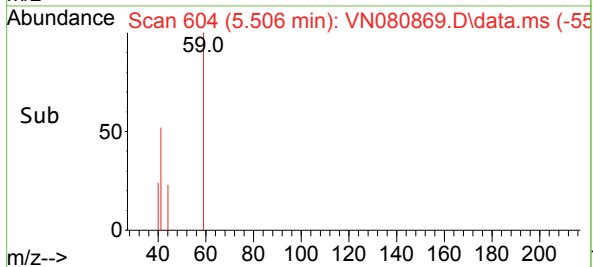
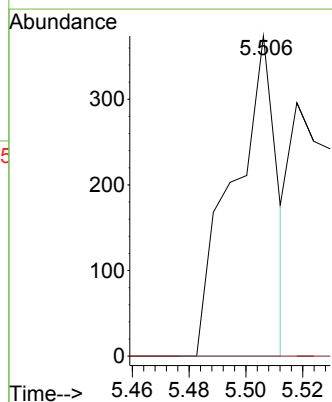
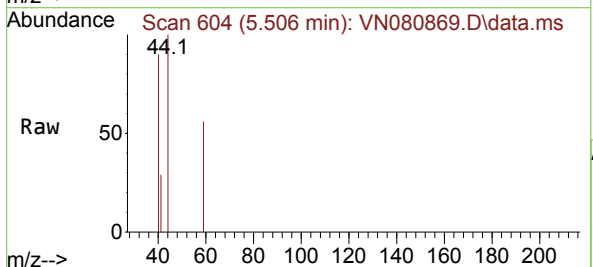
Instrument :
MSVOA_N
ClientSampleId :
TP-4

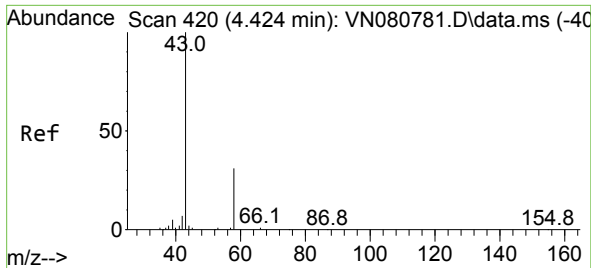
Tgt Ion: 64 Resp: 319
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 1.690 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.006 min
Lab File: VN080869.D
Acq: 01 Feb 2024 14:49

Tgt Ion: 59 Resp: 400
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

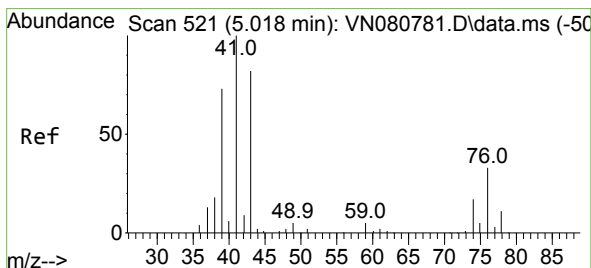
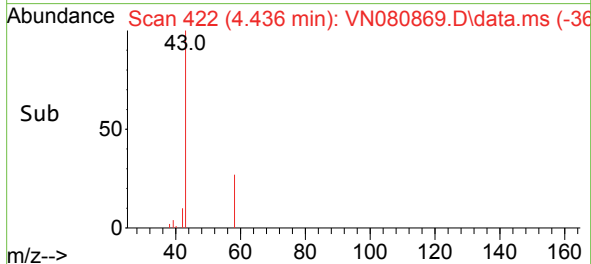
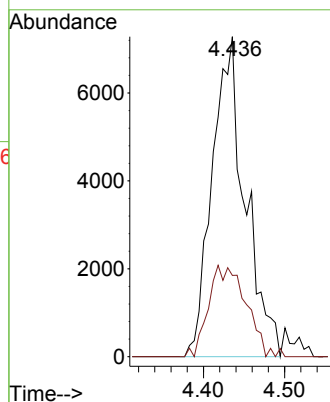
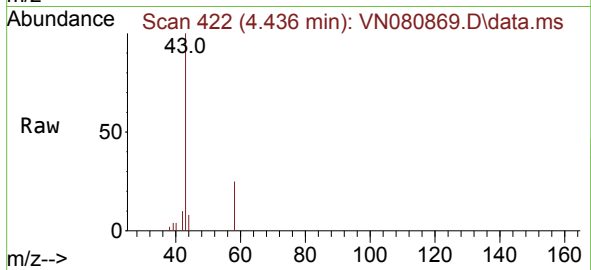




#16
Acetone
Concen: 38.951 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN080869.D
Acq: 01 Feb 2024 14:49

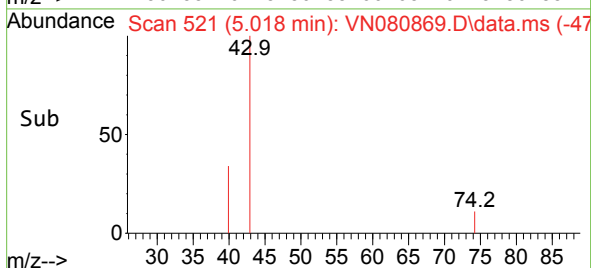
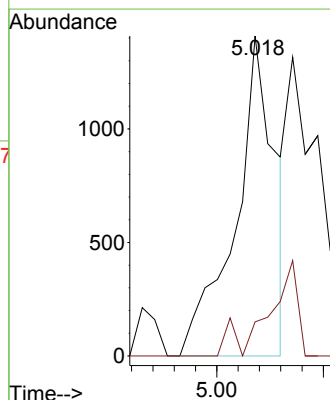
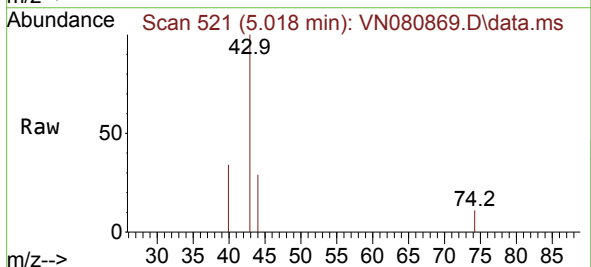
Instrument :
MSVOA_N
ClientSampleId :
TP-4

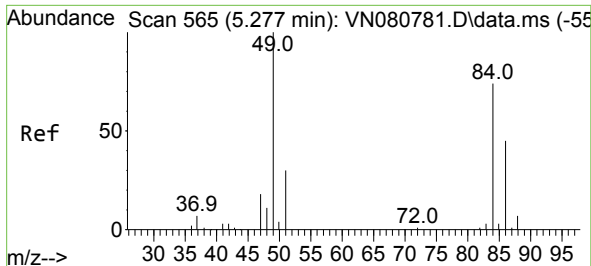
Tgt Ion: 43 Resp: 20507
Ion Ratio Lower Upper
43 100
58 25.4 24.8 37.2



#18
Methyl Acetate
Concen: 0.990 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN080869.D
Acq: 01 Feb 2024 14:49

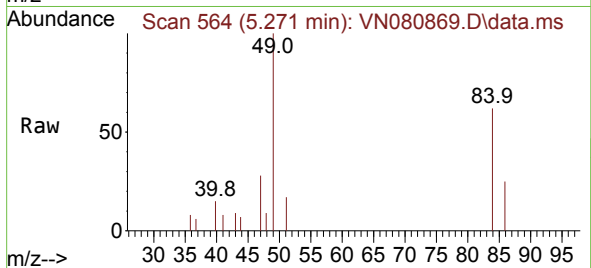
Tgt Ion: 43 Resp: 1816
Ion Ratio Lower Upper
43 100
74 22.3 17.3 25.9



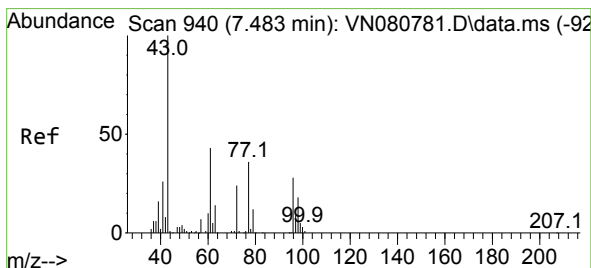
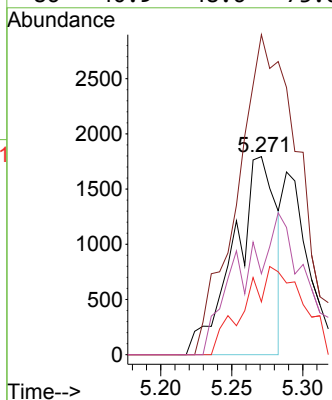
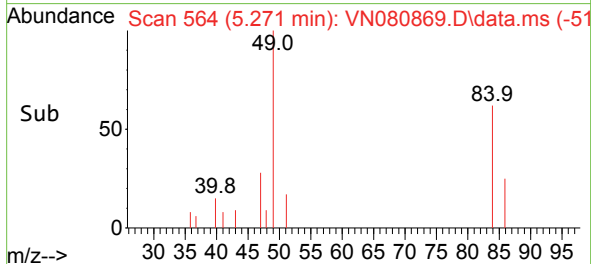


#20
Methylene Chloride
Concen: 2.669 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN080869.D
Acq: 01 Feb 2024 14:49

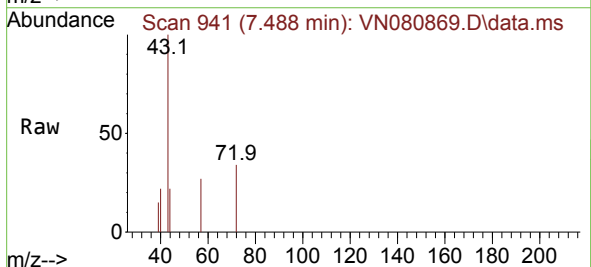
Instrument :
MSVOA_N
ClientSampleId :
TP-4



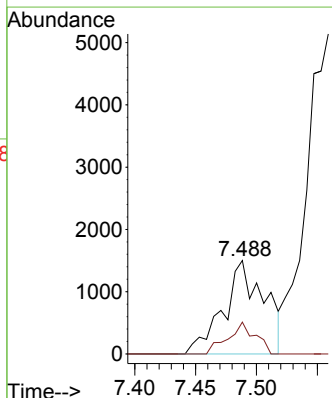
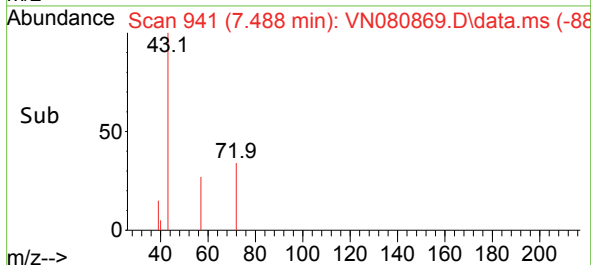
Tgt Ion: 84 Resp: 3689
Ion Ratio Lower Upper
84 100
49 161.5 108.1 162.1
51 26.7 32.9 49.3#
86 40.9 48.6 73.0#

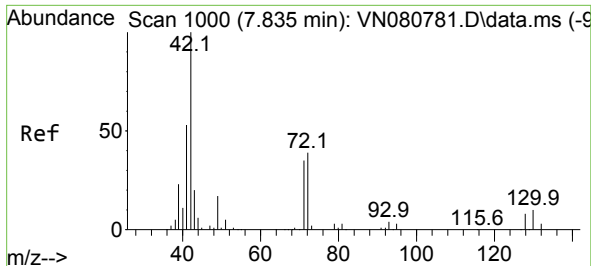


#25
2-Butanone
Concen: 3.477 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080869.D
Acq: 01 Feb 2024 14:49



Tgt Ion: 43 Resp: 3477
Ion Ratio Lower Upper
43 100
72 39.9 19.5 29.3#

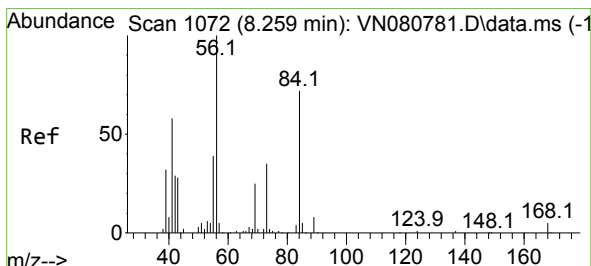
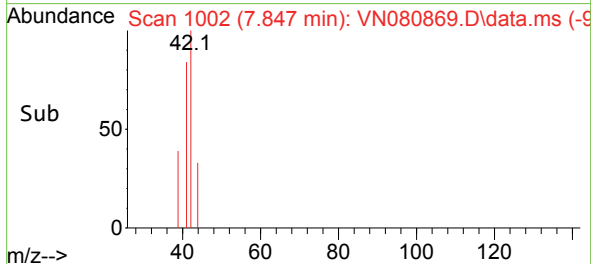
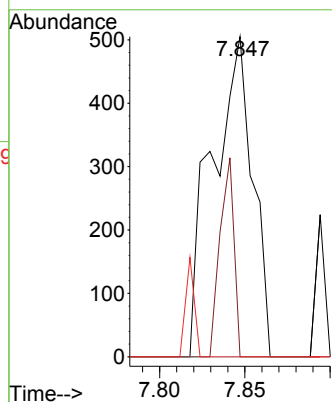
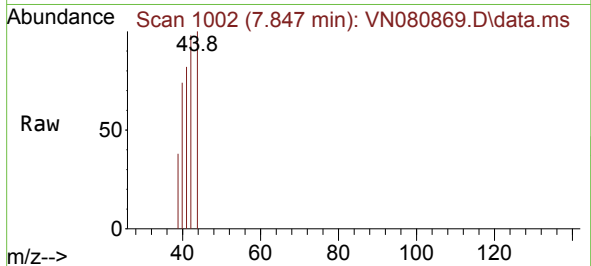




#29
Tetrahydrofuran
Concen: 1.233 ug/l
RT: 7.847 min Scan# 1065
Delta R.T. 0.012 min
Lab File: VN080869.D
Acq: 01 Feb 2024 14:49

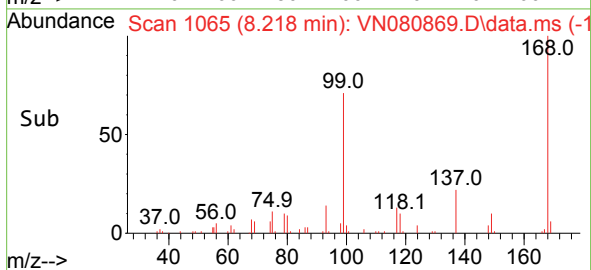
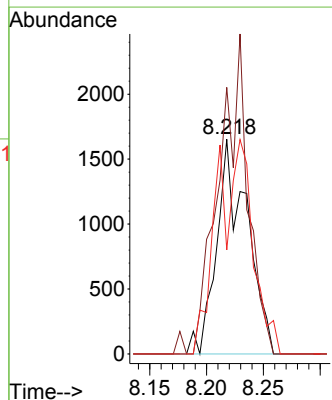
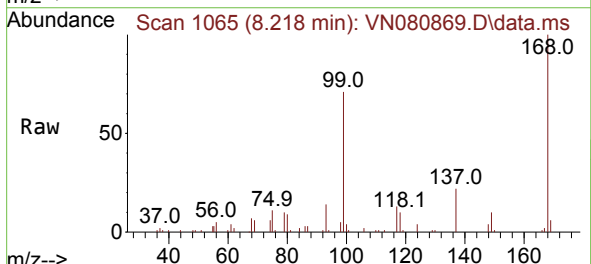
Instrument :
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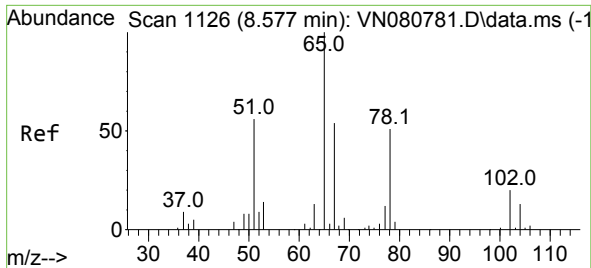
Tgt Ion: 42 Resp: 834
Ion Ratio Lower Upper
42 100
72 21.6 31.1 46.7#
71 0.0 28.3 42.5#



#31
Cyclohexane
Concen: 1.241 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN080869.D
Acq: 01 Feb 2024 14:49

Tgt Ion: 56 Resp: 3090
Ion Ratio Lower Upper
56 100
69 124.1 20.1 30.1#
84 48.5 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 49.656 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN080869.D

Acq: 01 Feb 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

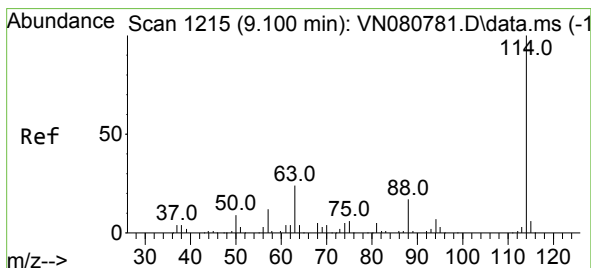
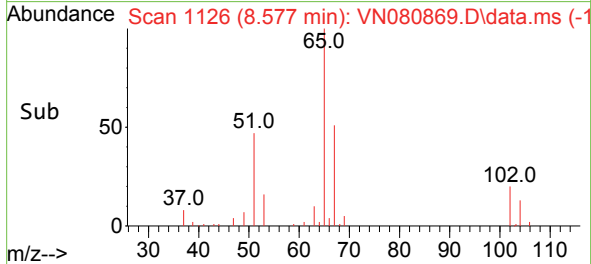
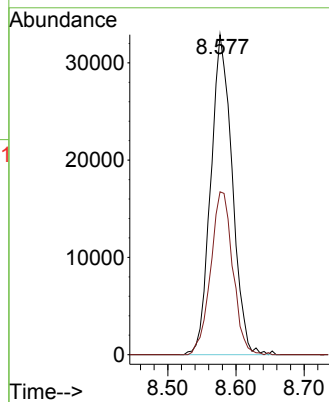
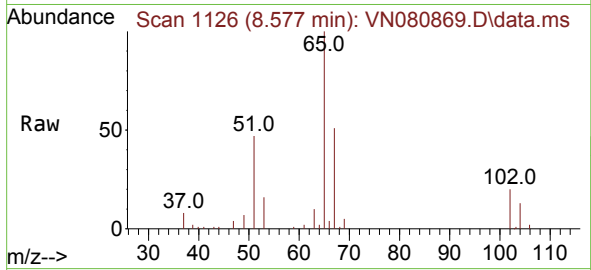
TP-4

Tgt Ion: 65 Resp: 72085

Ion Ratio Lower Upper

65 100

67 52.4 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN080869.D

Acq: 01 Feb 2024 14:49

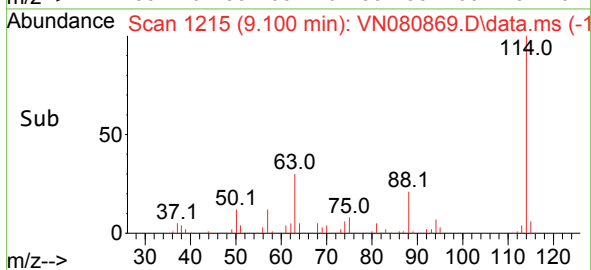
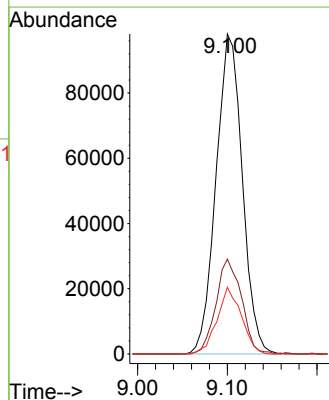
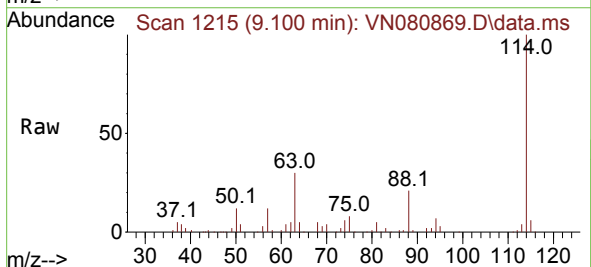
Tgt Ion: 114 Resp: 199241

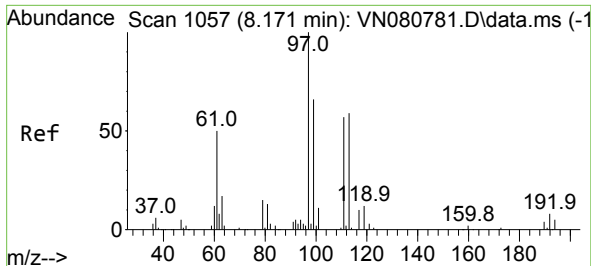
Ion Ratio Lower Upper

114 100

63 29.7 0.0 48.0

88 20.8 0.0 34.8

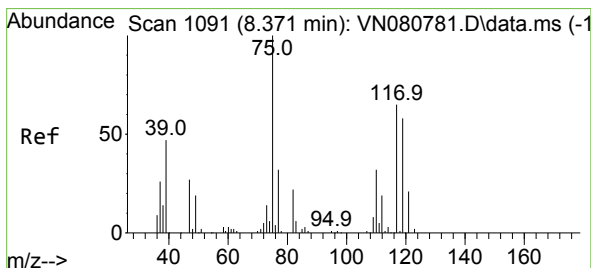
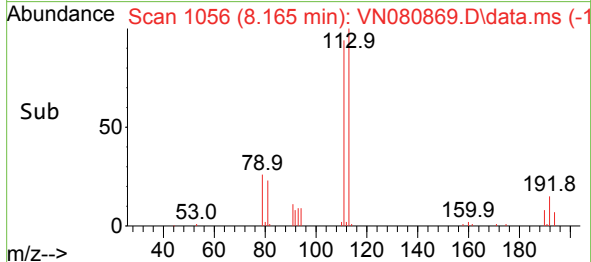
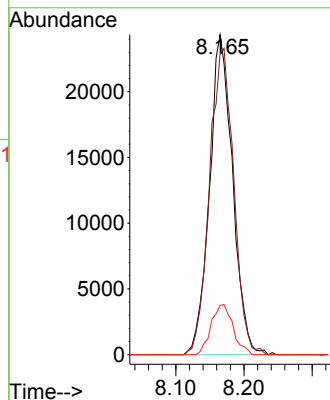
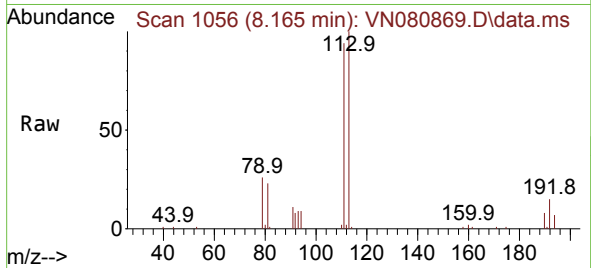




#35
Dibromofluoromethane
Concen: 47.100 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN080869.D
Acq: 01 Feb 2024 14:49

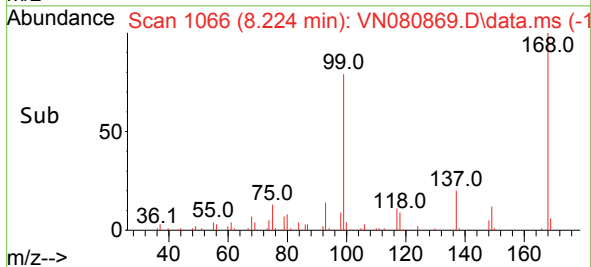
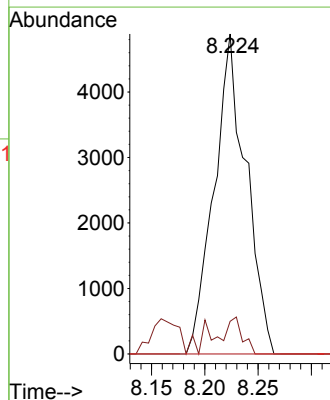
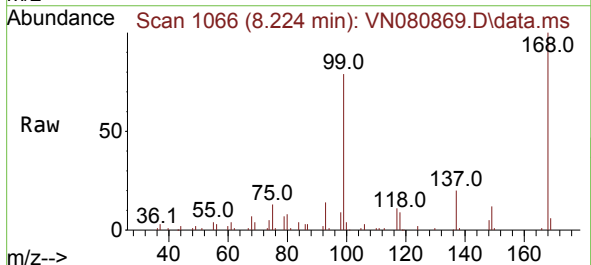
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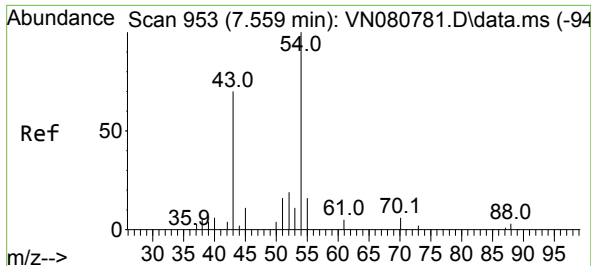
Tgt Ion:113 Resp: 57413
Ion Ratio Lower Upper
113 100
111 100.1 82.2 123.4
192 14.9 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.490 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080869.D
Acq: 01 Feb 2024 14:49

Tgt Ion: 75 Resp: 10172
Ion Ratio Lower Upper
75 100
110 5.1 16.0 48.0#
77 0.0 25.8 38.6#





#37

Ethyl Acetate

Concen: 6.293 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN080869.D

Acq: 01 Feb 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

TP-4

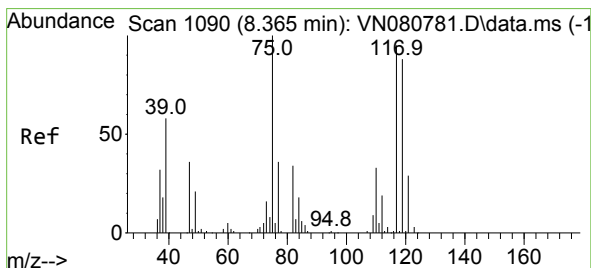
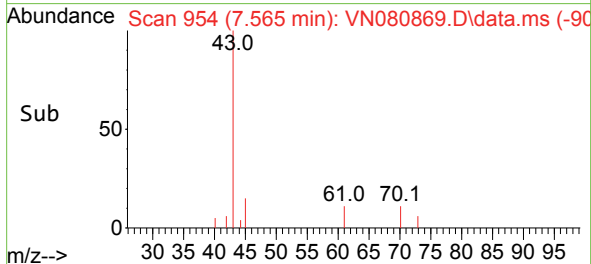
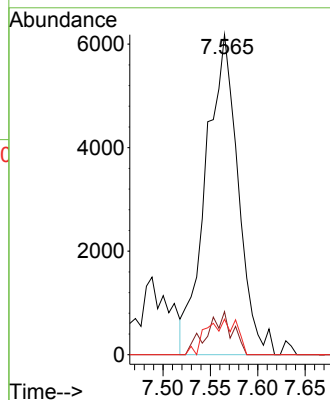
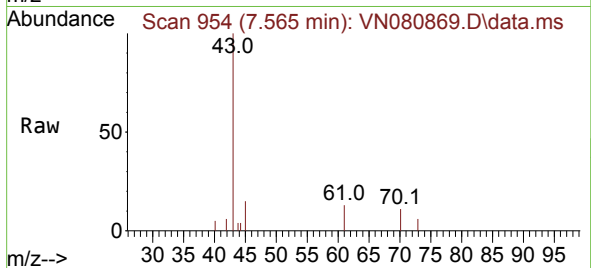
Tgt Ion: 43 Resp: 14678

Ion Ratio Lower Upper

43 100

61 10.5 10.6 15.8#

70 5.3 8.0 12.0#



#38

Carbon Tetrachloride

Concen: 5.801 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN080869.D

Acq: 01 Feb 2024 14:49

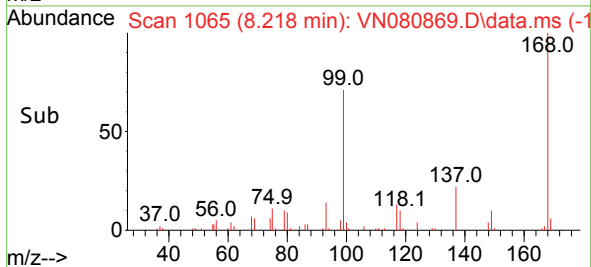
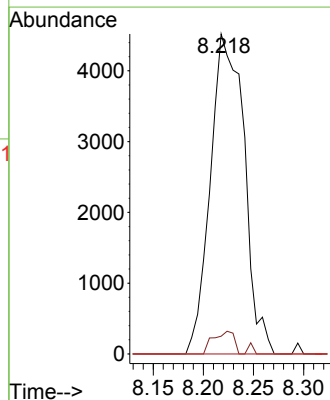
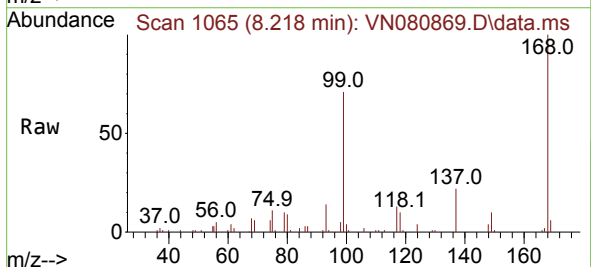
Tgt Ion: 117 Resp: 10590

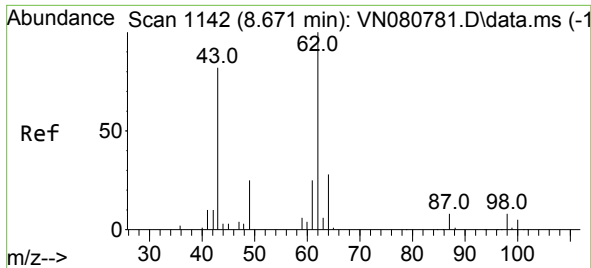
Ion Ratio Lower Upper

117 100

119 5.6 73.4 110.2#

121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.263 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN080869.D

Acq: 01 Feb 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

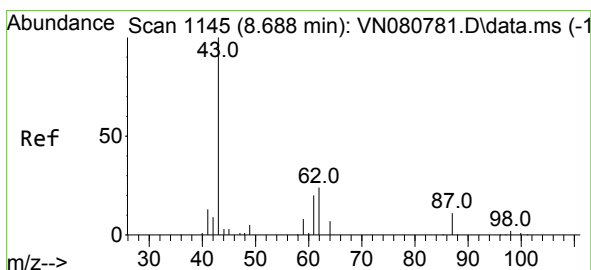
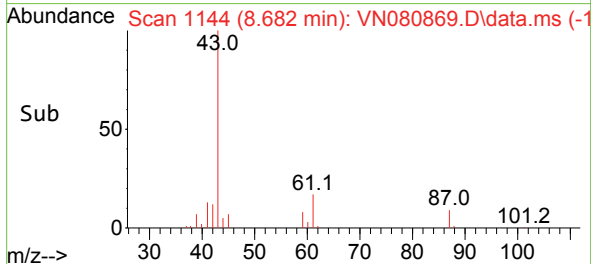
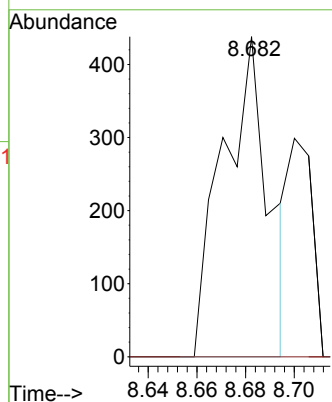
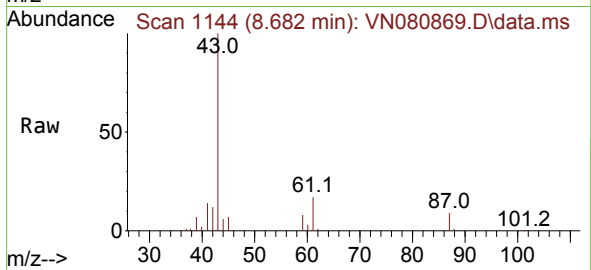
TP-4

Tgt Ion: 62 Resp: 570

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0



#43

Isopropyl Acetate

Concen: 30.232 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN080869.D

Acq: 01 Feb 2024 14:49

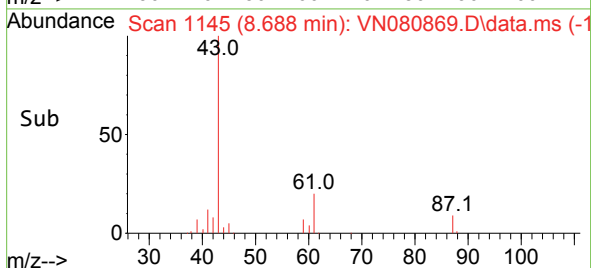
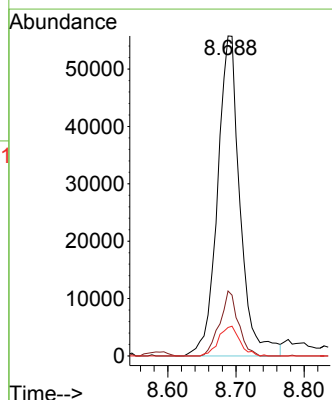
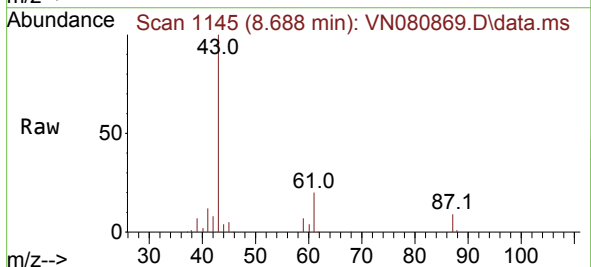
Tgt Ion: 43 Resp: 128374

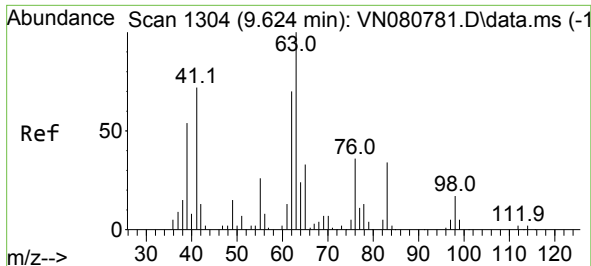
Ion Ratio Lower Upper

43 100

61 16.7 19.9 29.9#

87 8.7 9.0 13.6#





#45

1,2-Dichloropropane

Concen: 0.543 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN080869.D

Acq: 01 Feb 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

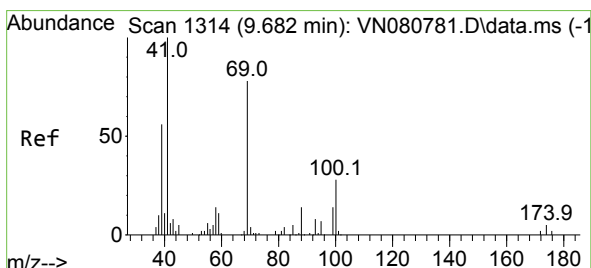
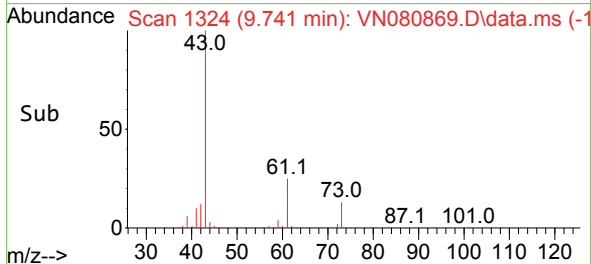
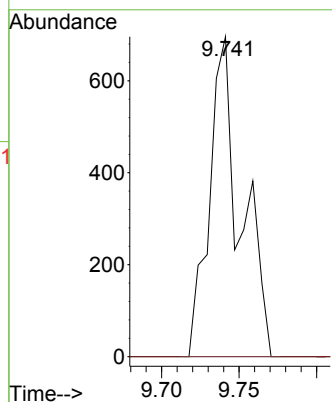
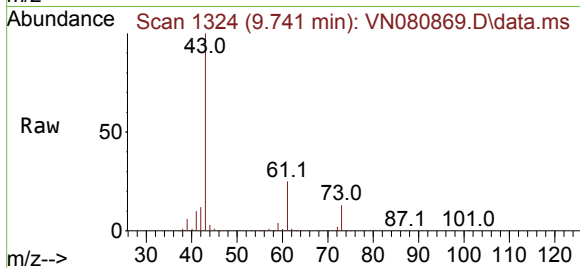
TP-4

Tgt Ion: 63 Resp: 978

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.672 ug/l

RT: 9.676 min Scan# 1313

Delta R.T. -0.006 min

Lab File: VN080869.D

Acq: 01 Feb 2024 14:49

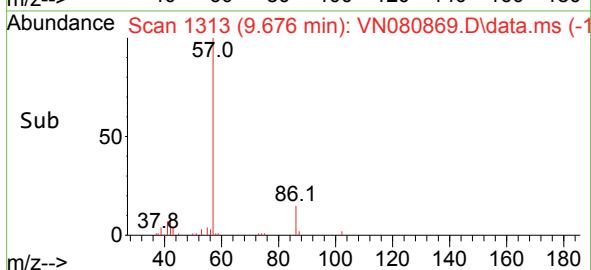
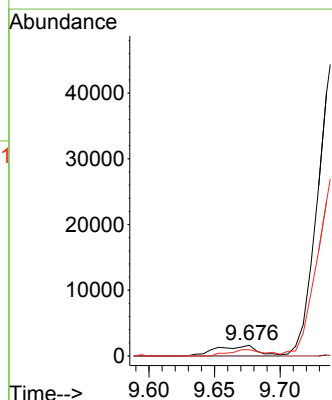
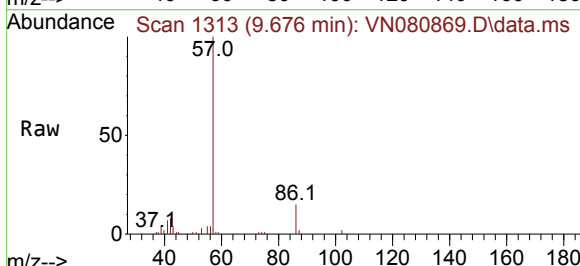
Tgt Ion: 41 Resp: 3443

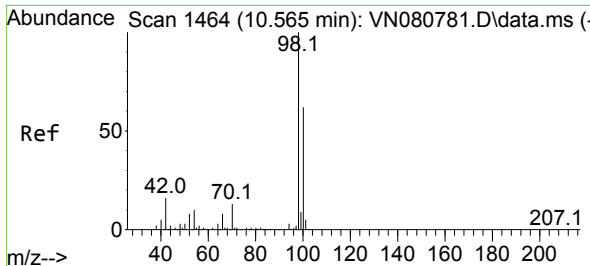
Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.2#

39 53.2 47.6 71.4

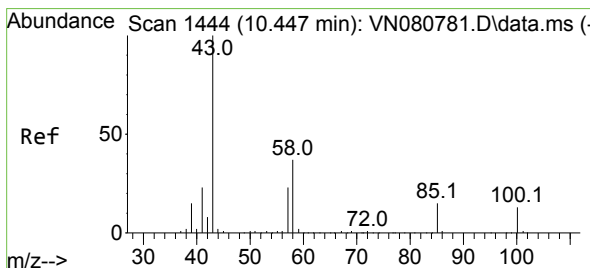
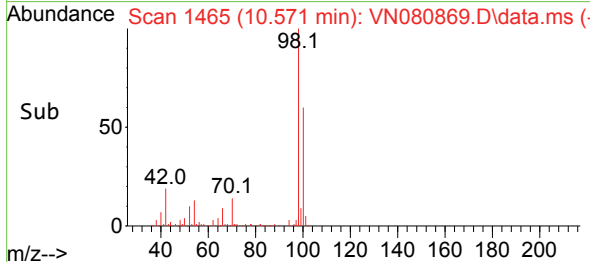
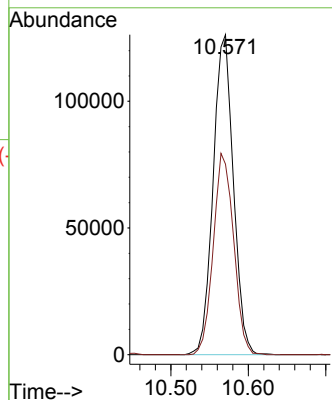
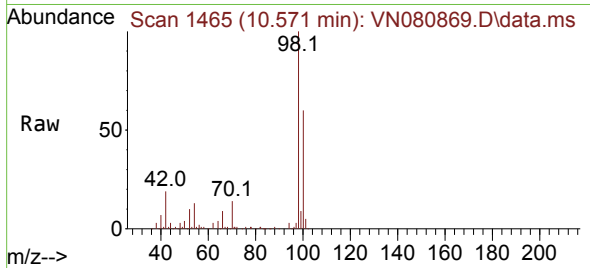




#50
Toluene-d8
Concen: 47.950 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080869.D
Acq: 01 Feb 2024 14:49

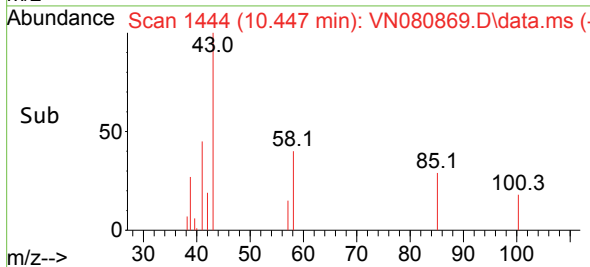
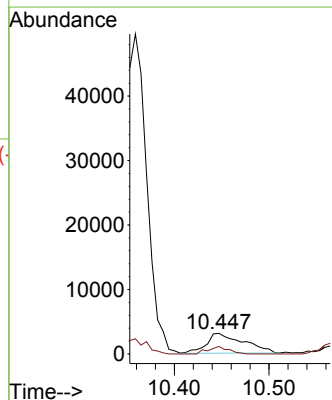
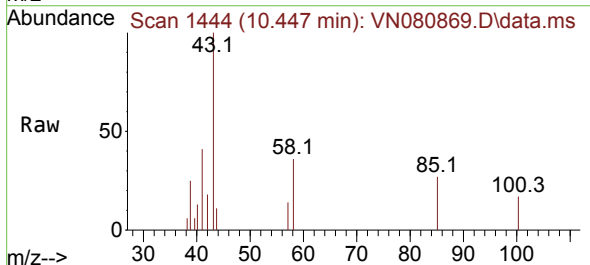
Instrument :
MSVOA_N
ClientSampleId :
TP-4

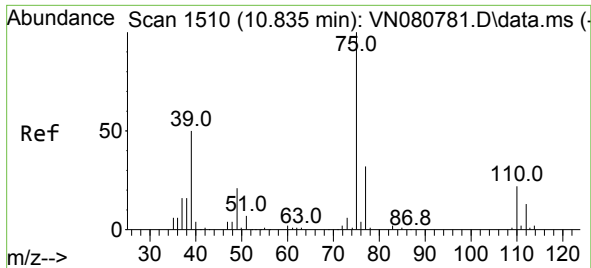
Tgt Ion: 98 Resp: 228768
Ion Ratio Lower Upper
98 100
100 63.4 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 3.552 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080869.D
Acq: 01 Feb 2024 14:49

Tgt Ion: 43 Resp: 8431
Ion Ratio Lower Upper
43 100
58 20.6 29.4 44.0#

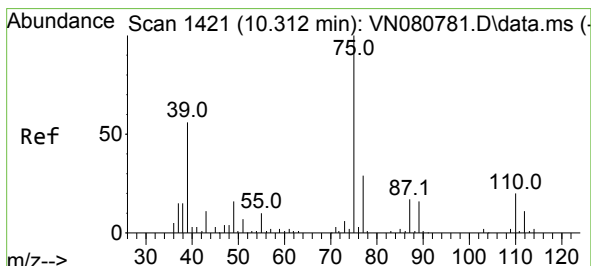
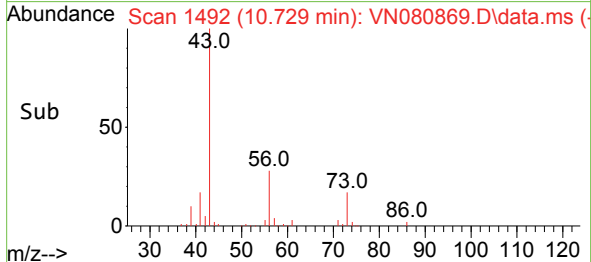
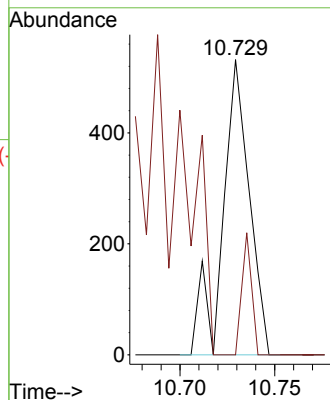
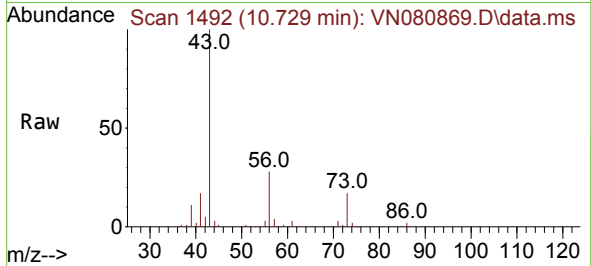




#53
 t-1,3-Dichloropropene
 Concen: 0.206 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN080869.D
 Acq: 01 Feb 2024 14:49

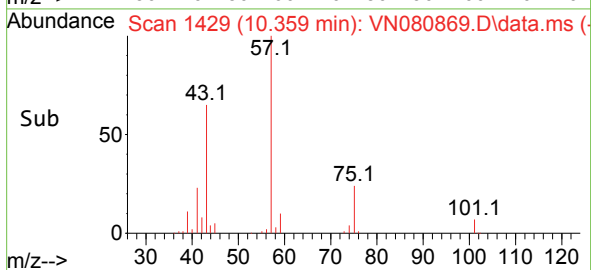
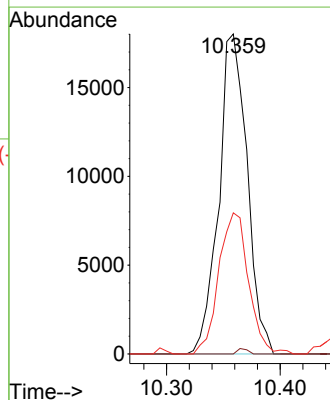
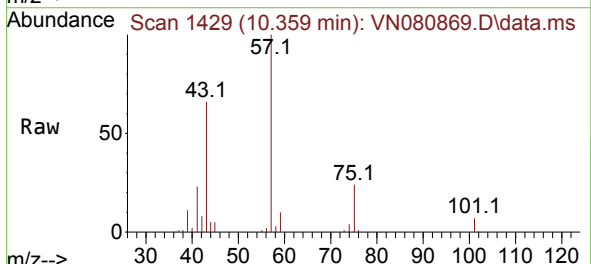
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

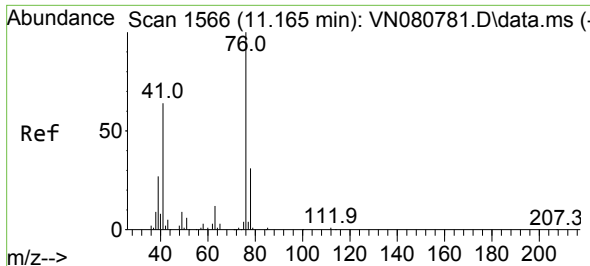
Tgt Ion: 75 Resp: 520
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#



#54
 cis-1,3-Dichloropropene
 Concen: 11.369 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080869.D
 Acq: 01 Feb 2024 14:49

Tgt Ion: 75 Resp: 31238
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.3 34.9#
 39 44.1 44.6 66.8#

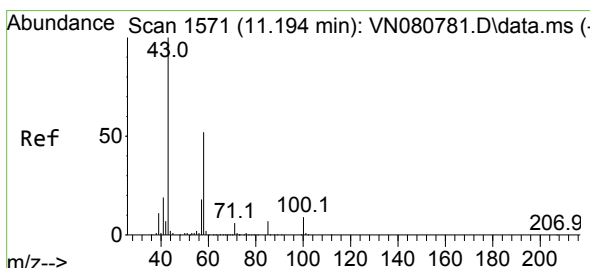
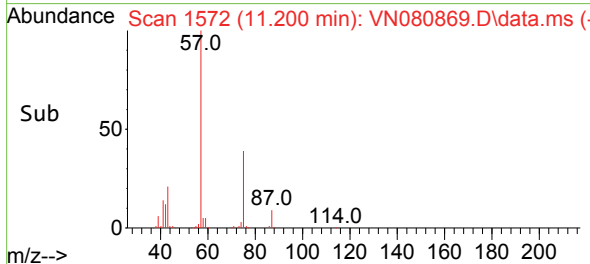
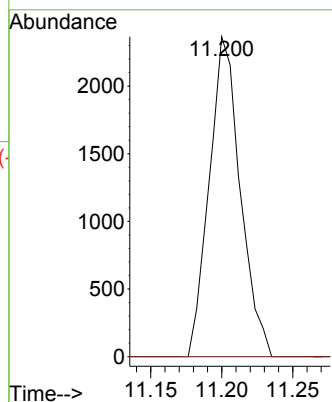
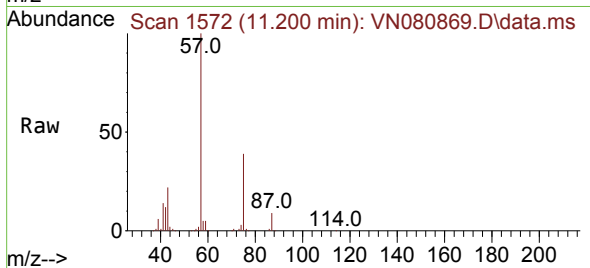




#57
1,3-Dichloropropane
Concen: 1.301 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN080869.D
Acq: 01 Feb 2024 14:49

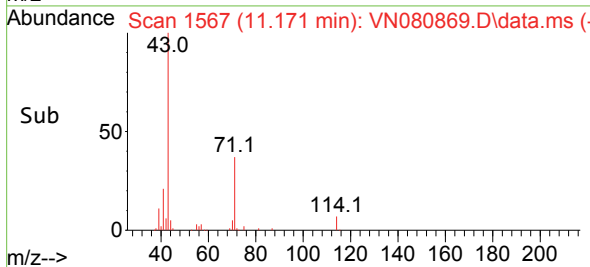
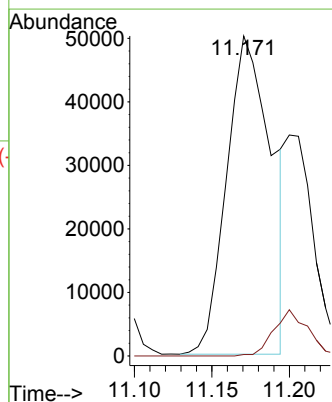
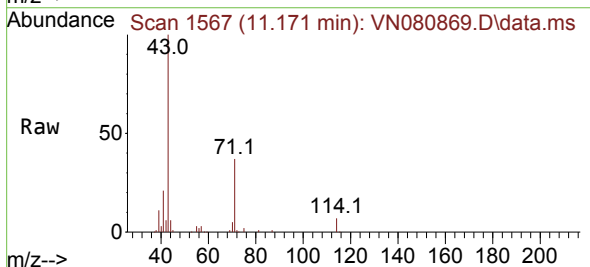
Instrument :
MSVOA_N
ClientSampleId :
TP-4

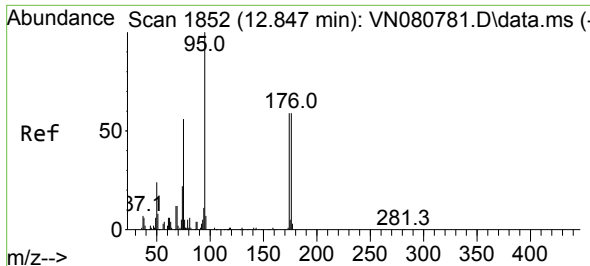
Tgt Ion: 76 Resp: 3593
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 54.329 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN080869.D
Acq: 01 Feb 2024 14:49

Tgt Ion: 43 Resp: 100176
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#

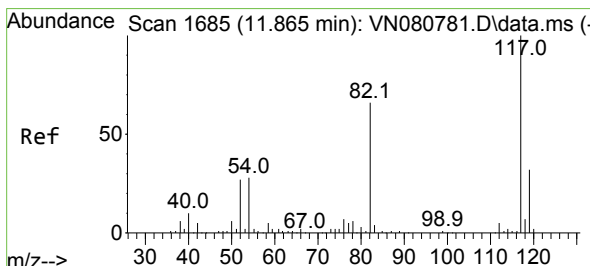
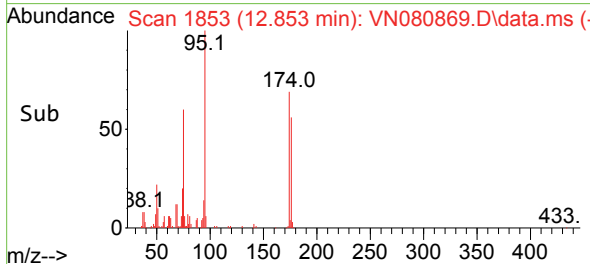
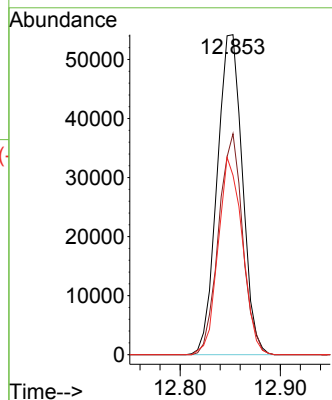
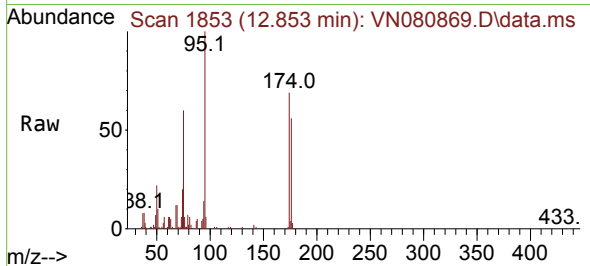




#62
4-Bromofluorobenzene
Concen: 57.049 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080869.D
Acq: 01 Feb 2024 14:49

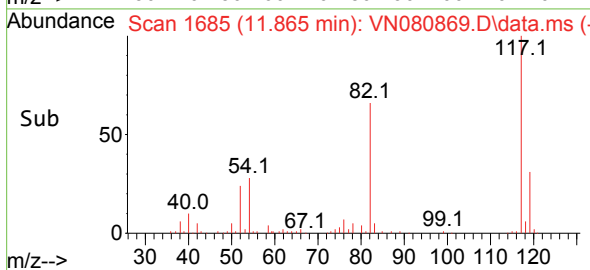
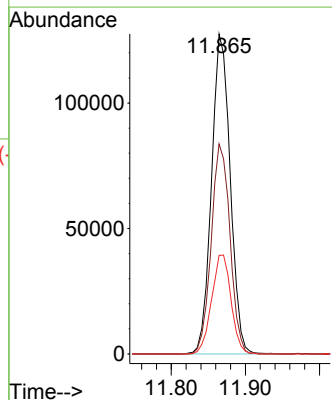
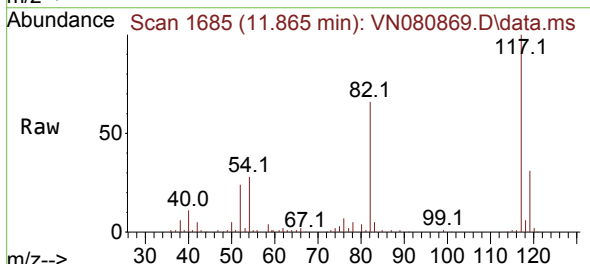
Instrument :
MSVOA_N
ClientSampleId :
TP-4

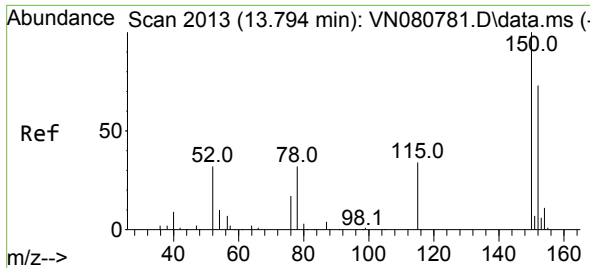
Tgt Ion: 95 Resp: 94847
Ion Ratio Lower Upper
95 100
174 65.7 0.0 120.4
176 59.2 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN080869.D
Acq: 01 Feb 2024 14:49

Tgt Ion: 117 Resp: 223331
Ion Ratio Lower Upper
117 100
82 65.6 52.7 79.1
119 30.8 25.3 37.9

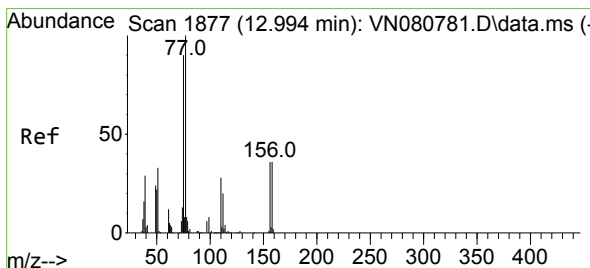
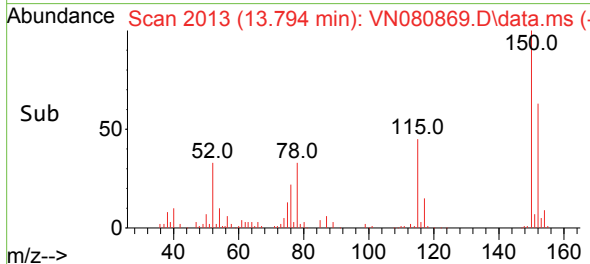
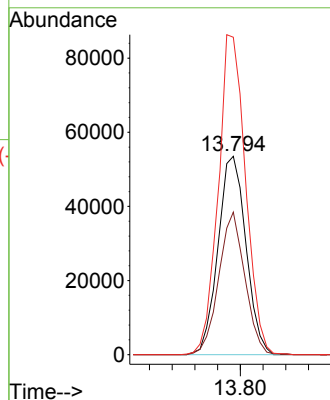
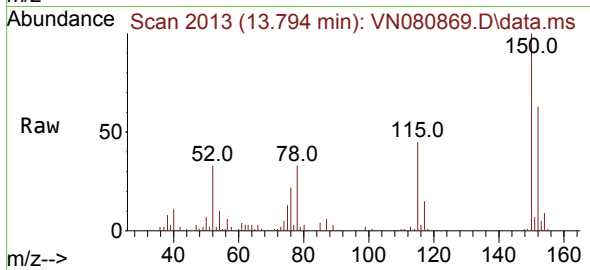




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN080869.D
 Acq: 01 Feb 2024 14:49

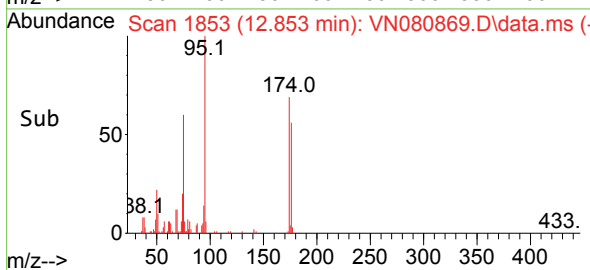
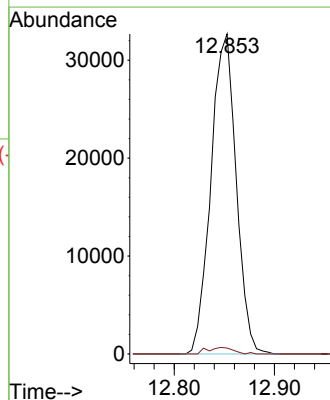
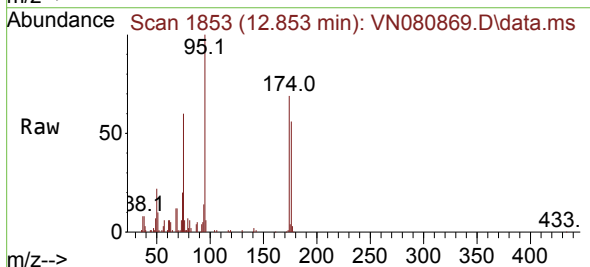
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

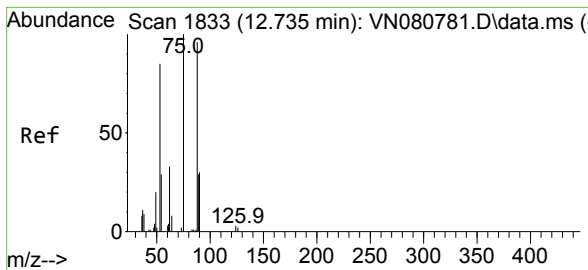
Tgt Ion:152 Resp: 91408
 Ion Ratio Lower Upper
 152 100
 115 67.3 32.3 96.8
 150 157.7 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 20.760 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN080869.D
 Acq: 01 Feb 2024 14:49

Tgt Ion: 75 Resp: 57234
 Ion Ratio Lower Upper
 75 100
 77 2.1 91.0 272.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 53.483 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN080869.D
Acq: 01 Feb 2024 14:49

Instrument :
MSVOA_N
ClientSampleId :
TP-4

Tgt Ion:	75	Resp:	57234
Ion Ratio	Lower	Upper	
75	100		
53	0.0	71.4	107.2#
89	0.0	33.4	50.0#

