

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020124\
 Data File : VN080868.D
 Acq On : 01 Feb 2024 14:25
 Operator : JC\MD
 Sample : P1311-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

Quant Time: Feb 02 03:39:08 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)

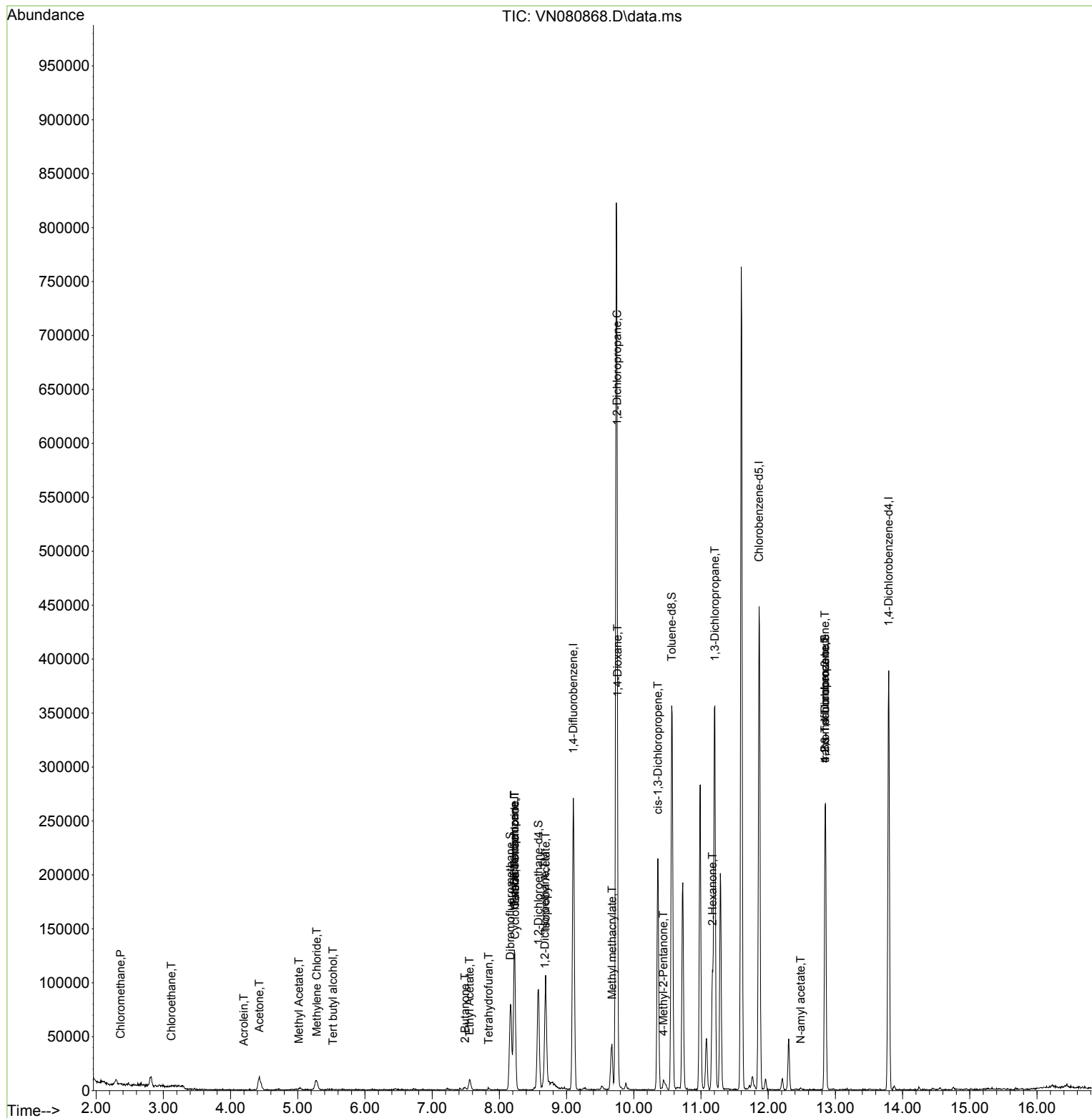
Internal Standards						
1) Pentafluorobenzene	8.224	168	79341	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	201926	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	220441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	89980	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	69838	50.881	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.760%			
35) Dibromofluoromethane	8.165	113	53891	43.623	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 87.240%			
50) Toluene-d8	10.565	98	234710	48.542	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.080%			
62) 4-Bromofluorobenzene	12.847	95	91723	54.437	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.880%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1569	0.886	ug/l #	84
6) Chloroethane	3.118	64	347	0.483	ug/l #	42
11) Tert butyl alcohol	5.524	59	187	0.836	ug/l #	72
13) Acrolein	4.200	56	68	0.241	ug/l	87
16) Acetone	4.430	43	22224	44.645	ug/l	91
18) Methyl Acetate	5.018	43	1586	0.914	ug/l #	54
20) Methylene Chloride	5.283	84	6112	4.677	ug/l #	91
25) 2-Butanone	7.489	43	3786	4.004	ug/l #	90
29) Tetrahydrofuran	7.841	42	1254	1.960	ug/l #	45
31) Cyclohexane	8.236	56	3198	1.359	ug/l #	15
36) 1,1-Dichloropropene	8.224	75	9796	4.266	ug/l #	49
37) Ethyl Acetate	7.559	43	13549	5.732	ug/l #	93
38) Carbon Tetrachloride	8.230	117	8850	4.784	ug/l #	14
42) 1,2-Dichloroethane	8.677	62	609	0.277	ug/l #	75
43) Isopropyl Acetate	8.688	43	124665	28.968	ug/l #	84
45) 1,2-Dichloropropane	9.753	63	926	0.507	ug/l #	42
48) Methyl methacrylate	9.677	41	2676	1.283	ug/l #	45
49) 1,4-Dioxane	9.759	88	56	2.228	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	6391	2.657	ug/l	99
54) cis-1,3-Dichloropropene	10.359	75	35048	12.586	ug/l #	63
57) 1,3-Dichloropropane	11.206	76	3374	1.206	ug/l #	43
59) 2-Hexanone	11.171	43	93756	50.171	ug/l #	26
74) N-amyl acetate	12.482	43	1219	0.238	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	53589	19.747	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	53589	50.871	ug/l #	14

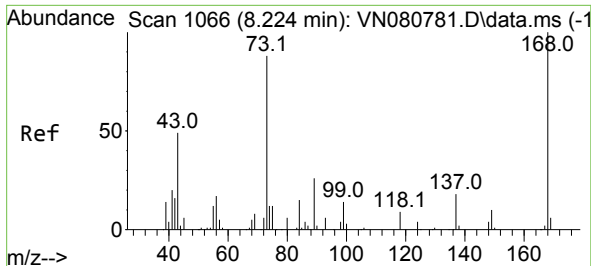
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jan 29 12:54:23 2024
Response via : Initial Calibration

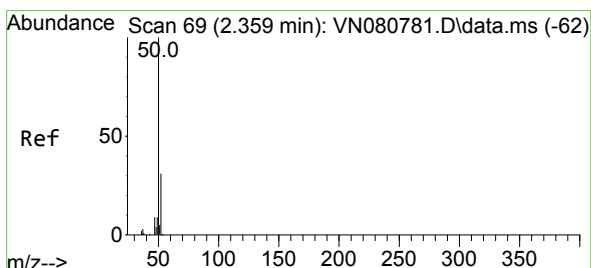
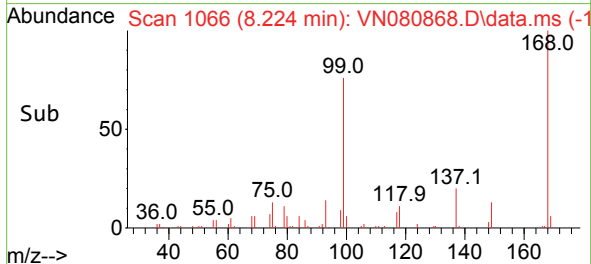
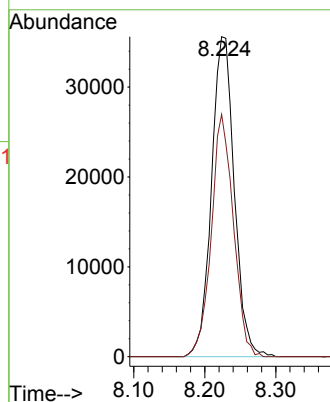
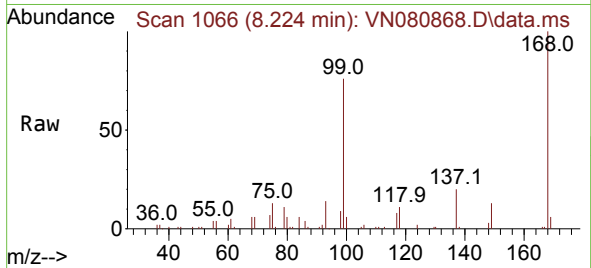




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080868.D
Acq: 01 Feb 2024 14:25

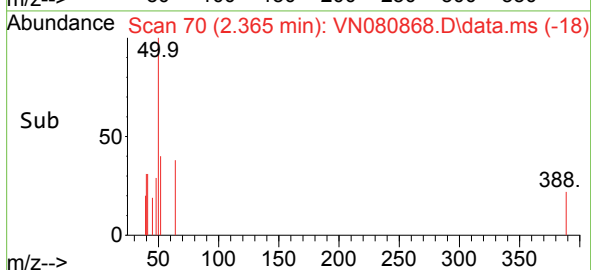
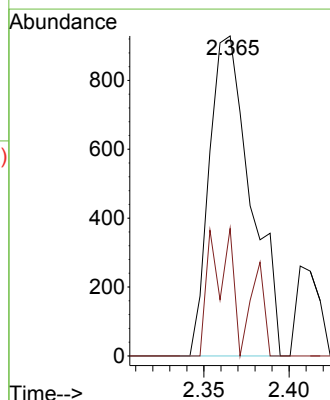
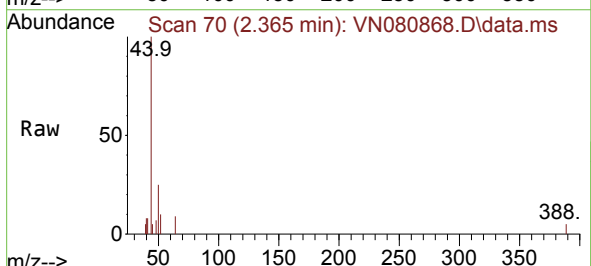
Instrument :
MSVOA_N
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TP-3

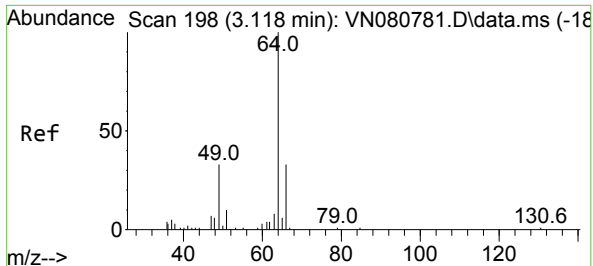
Tgt Ion:168 Resp: 79341
Ion Ratio Lower Upper
168 100
99 75.7 59.9 89.9



#3
Chloromethane
Concen: 0.886 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080868.D
Acq: 01 Feb 2024 14:25

Tgt Ion: 50 Resp: 1569
Ion Ratio Lower Upper
50 100
52 39.8 25.0 37.4#

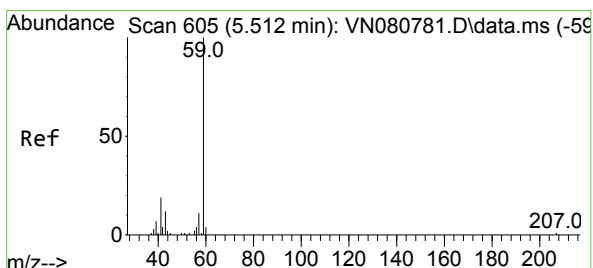
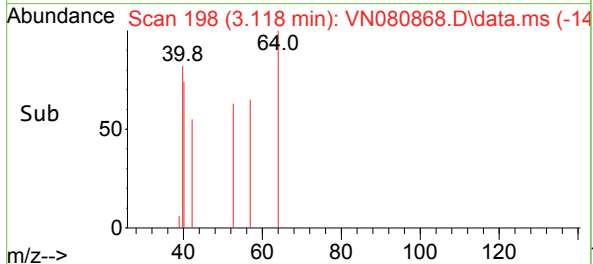
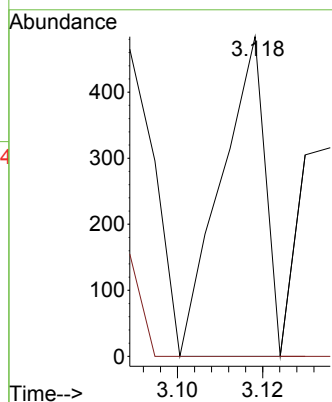
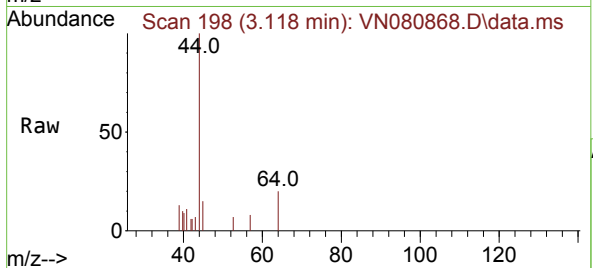




#6
Chloroethane
Concen: 0.483 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN080868.D
Acq: 01 Feb 2024 14:25

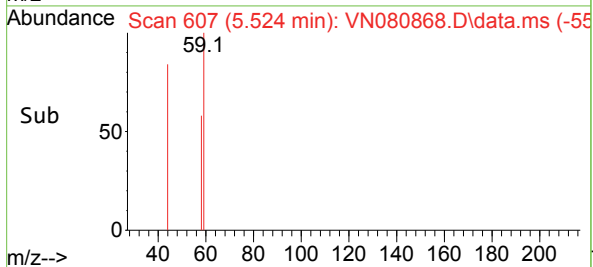
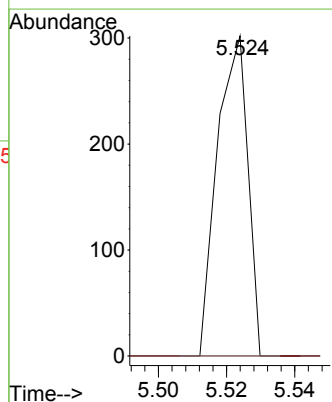
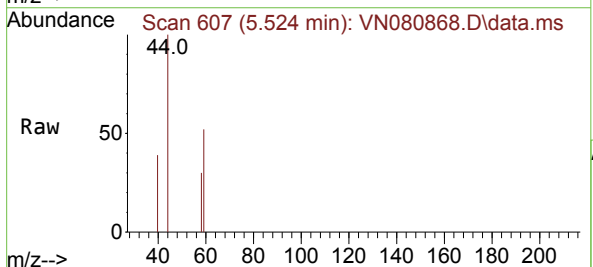
Instrument :
MSVOA_N
ClientSampleId :
TP-3

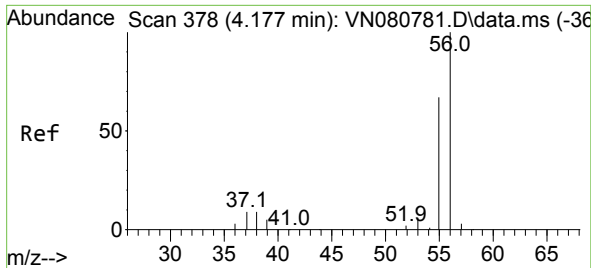
Tgt Ion: 64 Resp: 347
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 0.836 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN080868.D
Acq: 01 Feb 2024 14:25

Tgt Ion: 59 Resp: 187
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

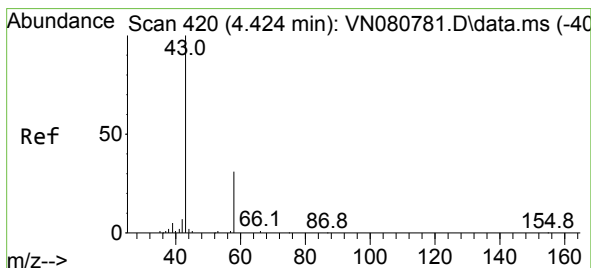
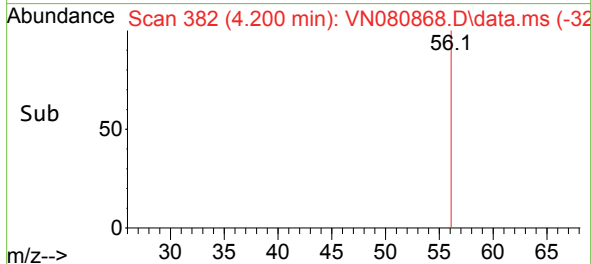
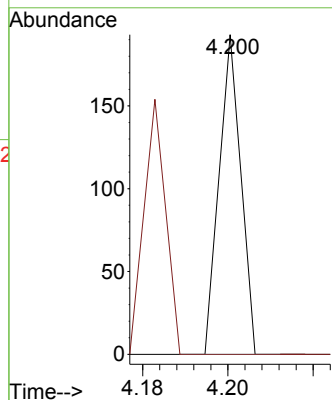
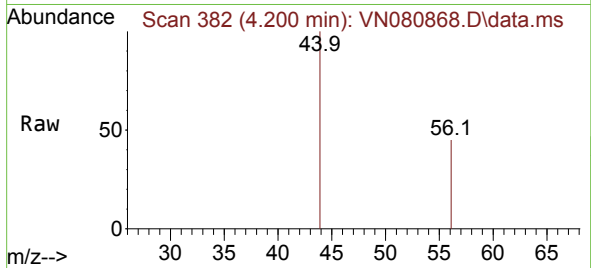




#13
Acrolein
Concen: 0.241 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.024 min
Lab File: VN080868.D
Acq: 01 Feb 2024 14:25

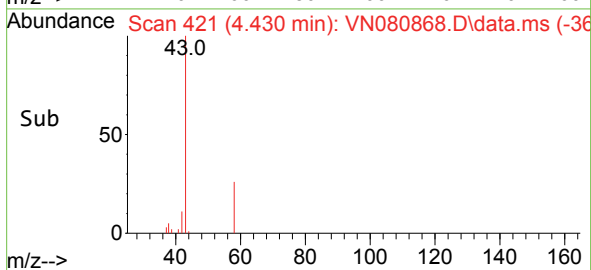
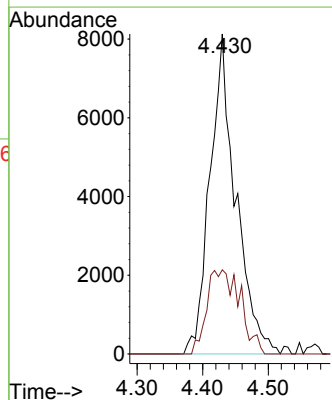
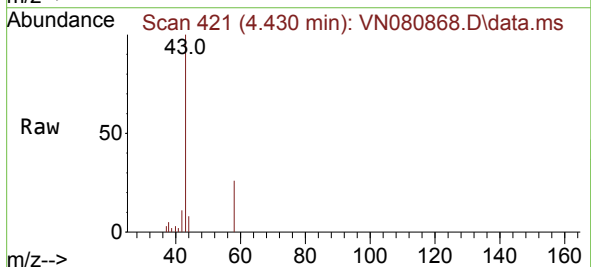
Instrument :
MSVOA_N
ClientSampleId :
TP-3

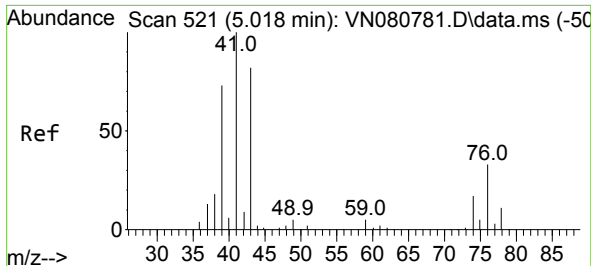
Tgt Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 79.4 55.3 82.9



#16
Acetone
Concen: 44.645 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN080868.D
Acq: 01 Feb 2024 14:25

Tgt Ion: 43 Resp: 22224
Ion Ratio Lower Upper
43 100
58 26.3 24.8 37.2

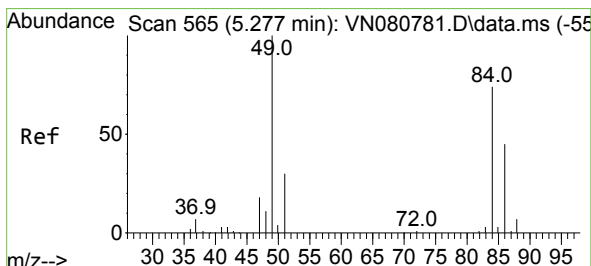
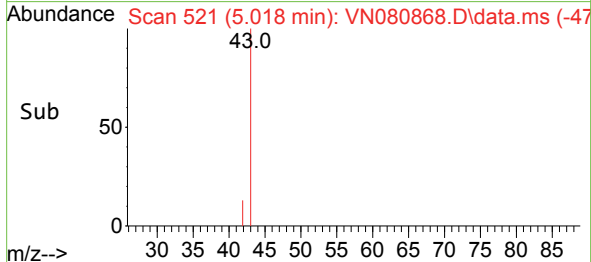
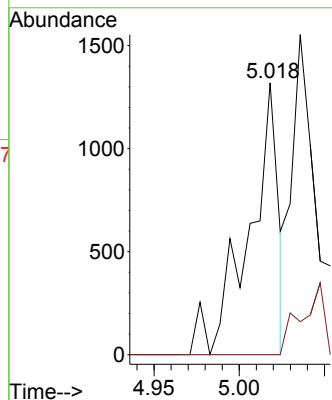
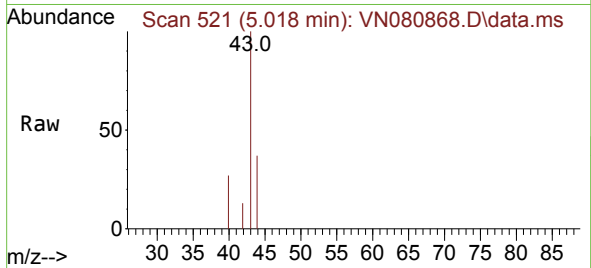




#18
Methyl Acetate
Concen: 0.914 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN080868.D
Acq: 01 Feb 2024 14:25

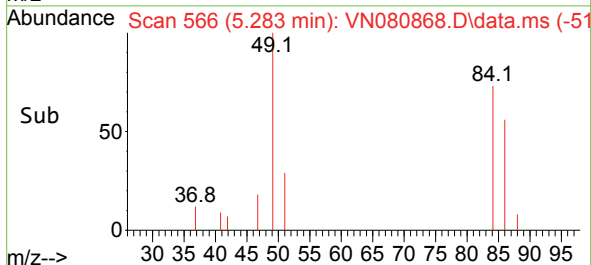
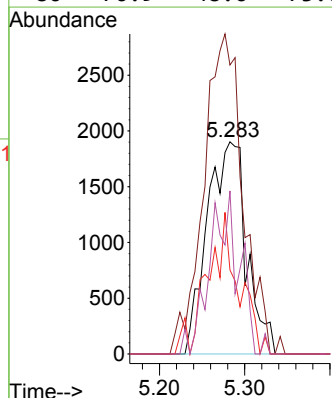
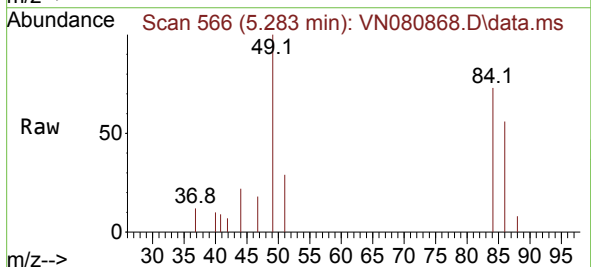
Instrument :
MSVOA_N
ClientSampleId :
TP-3

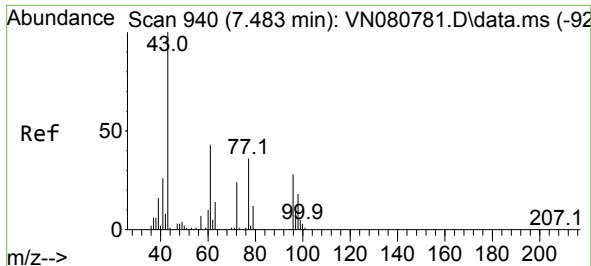
Tgt Ion: 43 Resp: 1586
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#



#20
Methylene Chloride
Concen: 4.677 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN080868.D
Acq: 01 Feb 2024 14:25

Tgt Ion: 84 Resp: 6112
Ion Ratio Lower Upper
84 100
49 128.0 108.1 162.1
51 39.6 32.9 49.3
86 76.9 48.6 73.0#

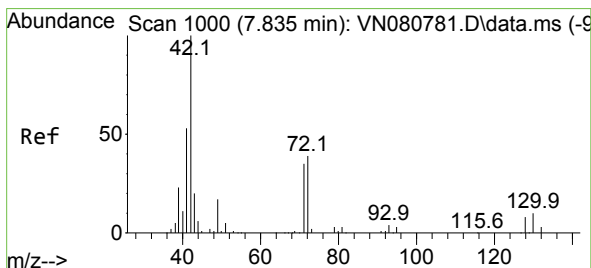
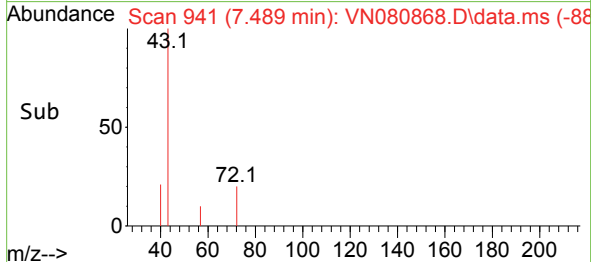
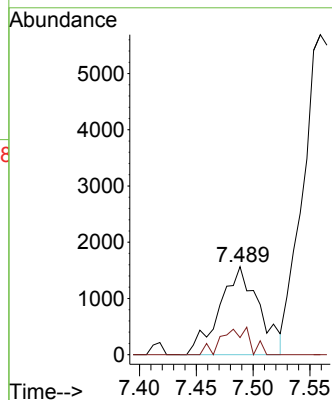
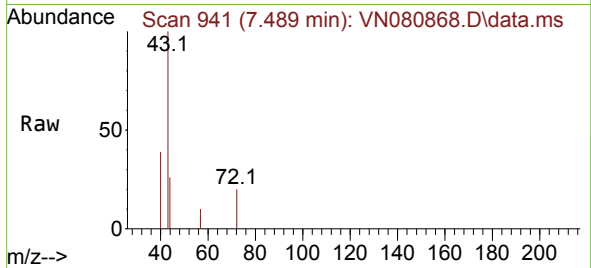




#25
2-Butanone
Concen: 4.004 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080868.D
Acq: 01 Feb 2024 14:25

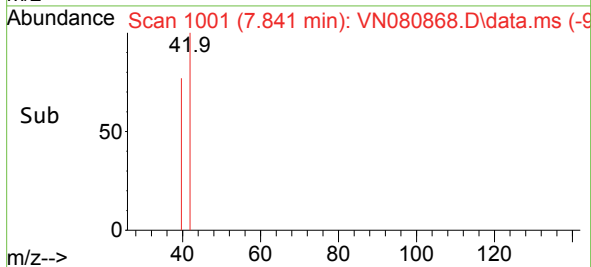
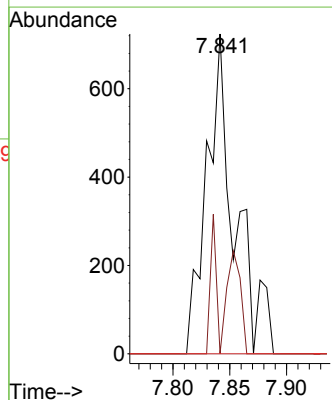
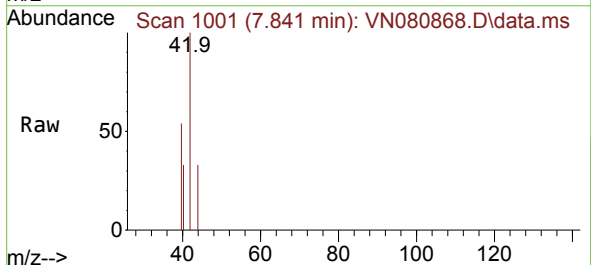
Instrument :
MSVOA_N
ClientSampleId :
TP-3

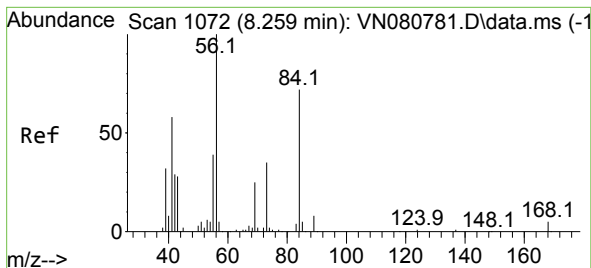
Tgt Ion: 43 Resp: 3786
Ion Ratio Lower Upper
43 100
72 19.5 19.5 29.3#



#29
Tetrahydrofuran
Concen: 1.960 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN080868.D
Acq: 01 Feb 2024 14:25

Tgt Ion: 42 Resp: 1254
Ion Ratio Lower Upper
42 100
72 8.9 31.1 46.7#
71 0.0 28.3 42.5#





#31

Cyclohexane

Concen: 1.359 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.023 min

Lab File: VN080868.D

Acq: 01 Feb 2024 14:25

Instrument :

MSVOA_N

ClientSampleId :

TP-3

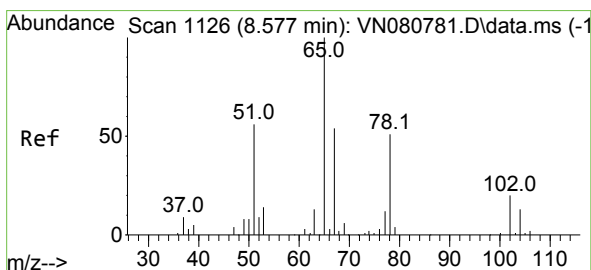
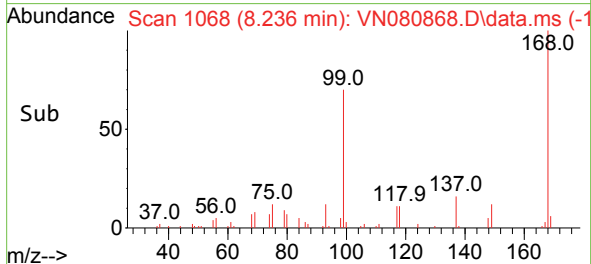
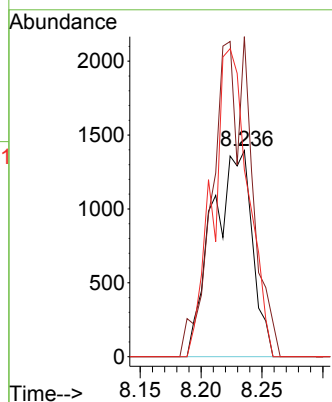
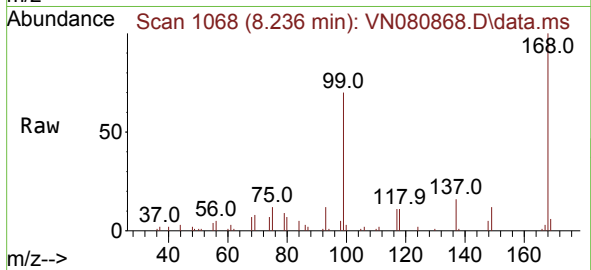
Tgt Ion: 56 Resp: 3198

Ion Ratio Lower Upper

56 100

69 155.3 20.1 30.1#

84 90.8 56.9 85.3#



#33

1,2-Dichloroethane-d4

Concen: 50.881 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080868.D

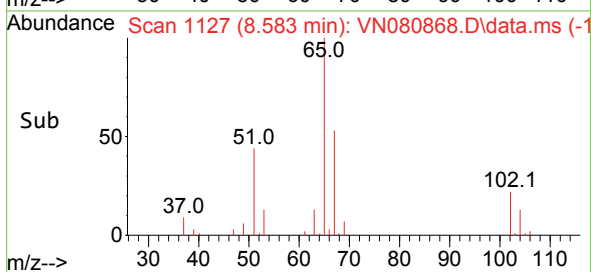
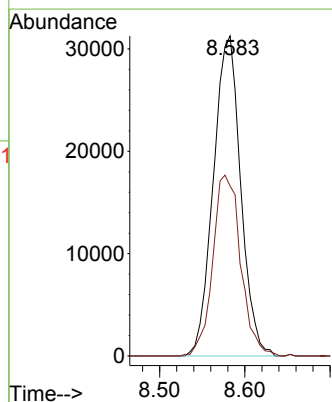
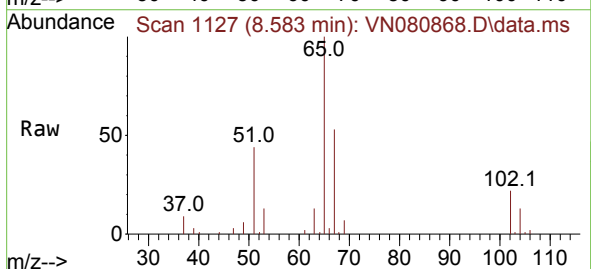
Acq: 01 Feb 2024 14:25

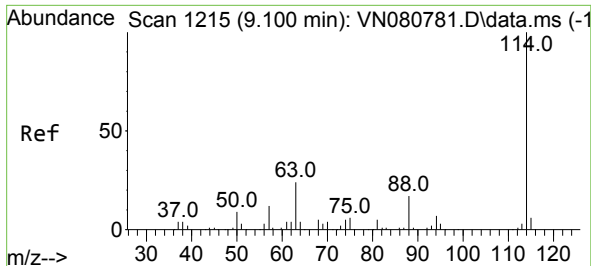
Tgt Ion: 65 Resp: 69838

Ion Ratio Lower Upper

65 100

67 57.6 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN080868.D

Acq: 01 Feb 2024 14:25

Instrument :

MSVOA_N

ClientSampleId :

TP-3

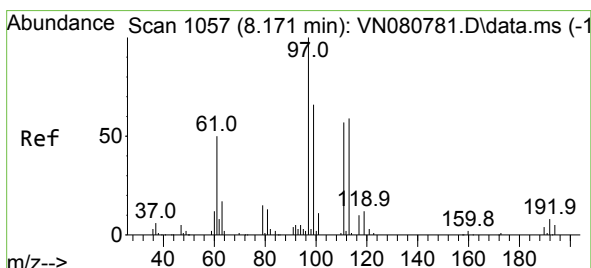
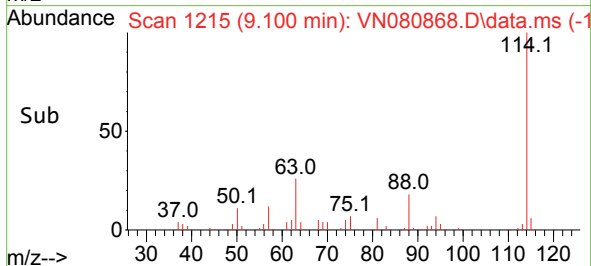
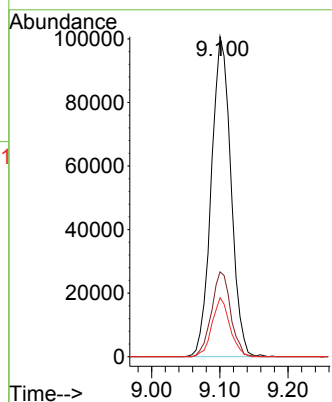
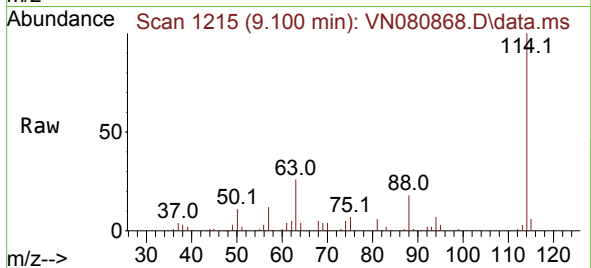
Tgt Ion:114 Resp: 201926

Ion Ratio Lower Upper

114 100

63 26.5 0.0 48.0

88 18.4 0.0 34.8



#35

Dibromofluoromethane

Concen: 43.623 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN080868.D

Acq: 01 Feb 2024 14:25

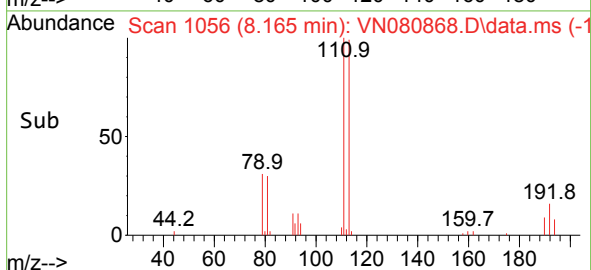
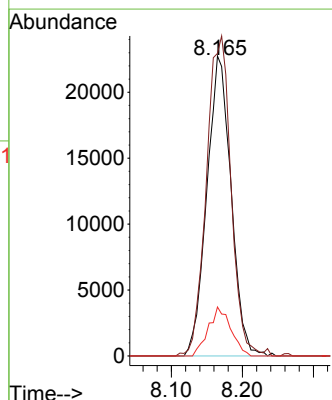
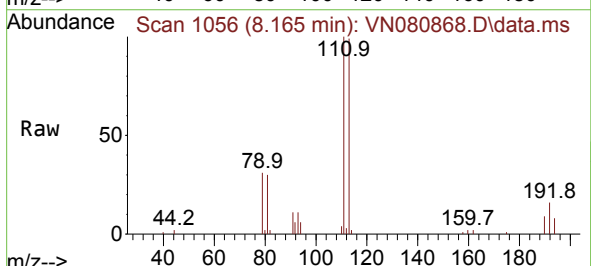
Tgt Ion:113 Resp: 53891

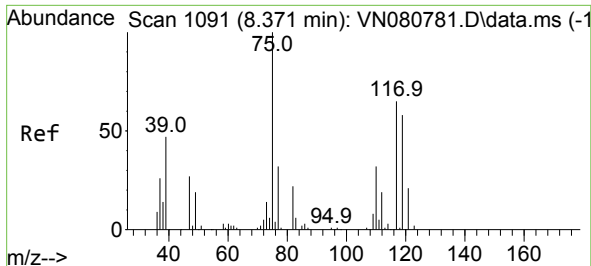
Ion Ratio Lower Upper

113 100

111 108.3 82.2 123.4

192 15.1 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.266 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN080868.D

Acq: 01 Feb 2024 14:25

Instrument :

MSVOA_N

ClientSampleId :

TP-3

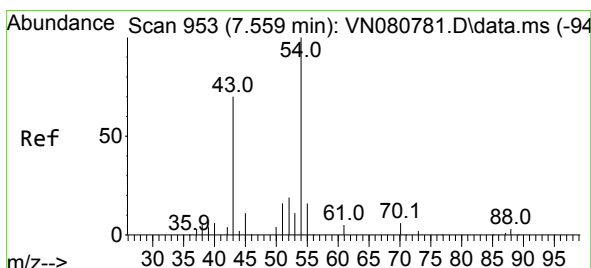
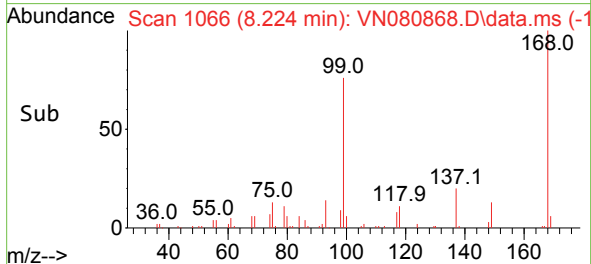
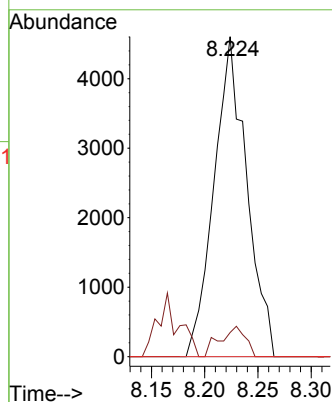
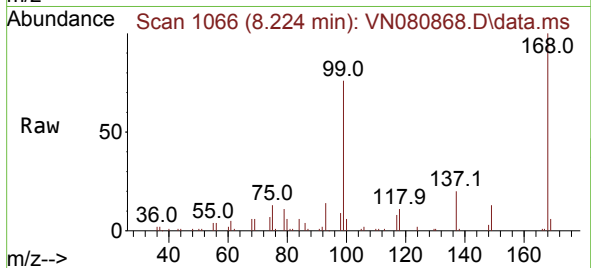
Tgt Ion: 75 Resp: 9796

Ion Ratio Lower Upper

75 100

110 7.4 16.0 48.0#

77 0.0 25.8 38.6#



#37

Ethyl Acetate

Concen: 5.732 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.000 min

Lab File: VN080868.D

Acq: 01 Feb 2024 14:25

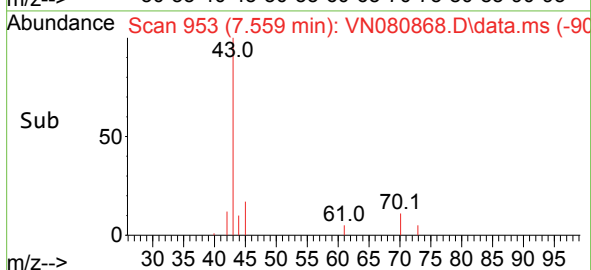
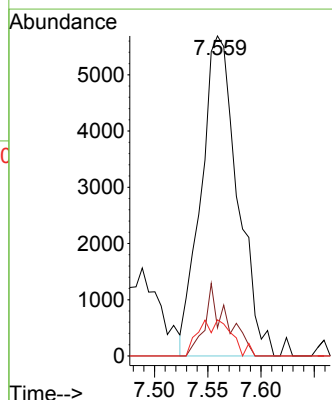
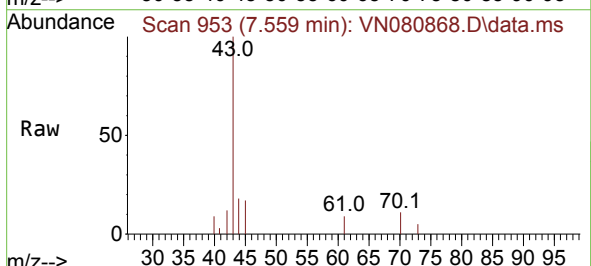
Tgt Ion: 43 Resp: 13549

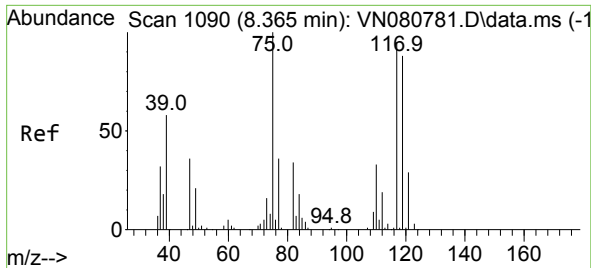
Ion Ratio Lower Upper

43 100

61 13.7 10.6 15.8

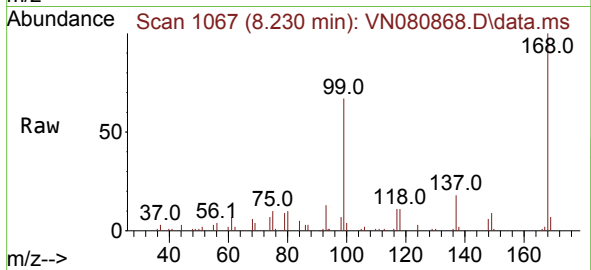
70 4.7 8.0 12.0#



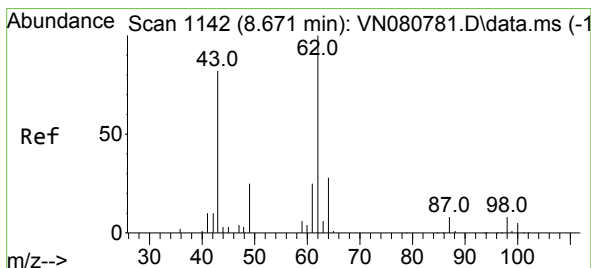
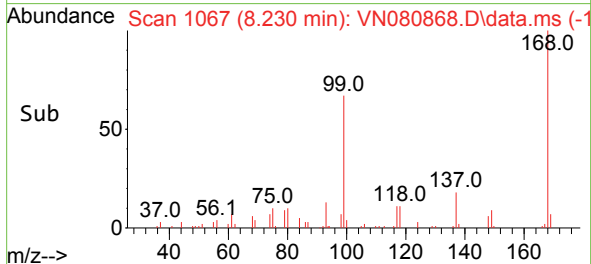
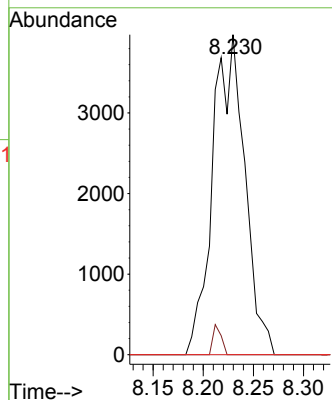


#38
Carbon Tetrachloride
Concen: 4.784 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN080868.D
Acq: 01 Feb 2024 14:25

Instrument :
MSVOA_N
ClientSampleId :
TP-3

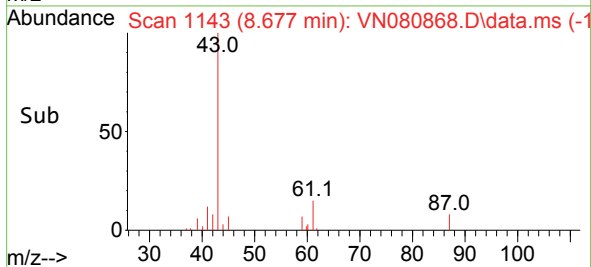
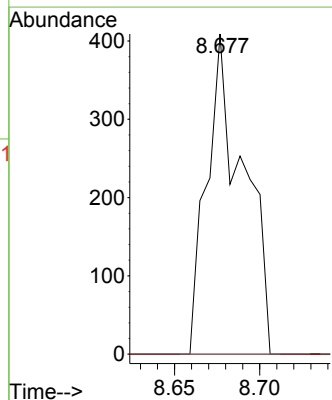
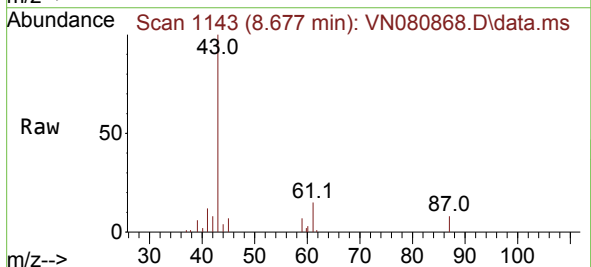


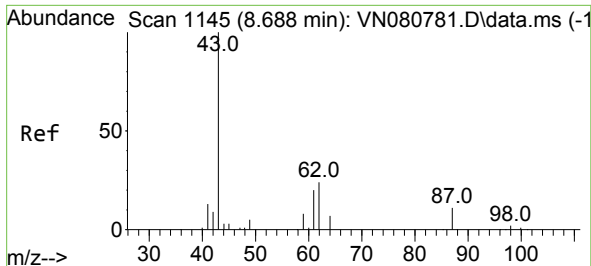
Tgt Ion:117 Resp: 8850
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.2#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.277 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN080868.D
Acq: 01 Feb 2024 14:25

Tgt Ion: 62 Resp: 609
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.0





#43

Isopropyl Acetate

Concen: 28.968 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN080868.D

Acq: 01 Feb 2024 14:25

Instrument :

MSVOA_N

ClientSampleId :

TP-3

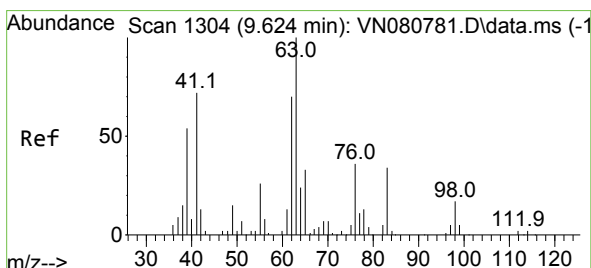
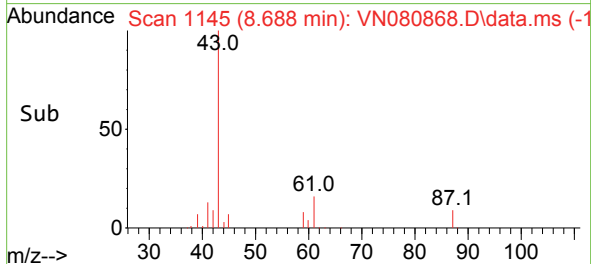
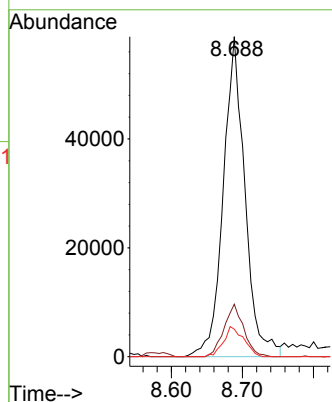
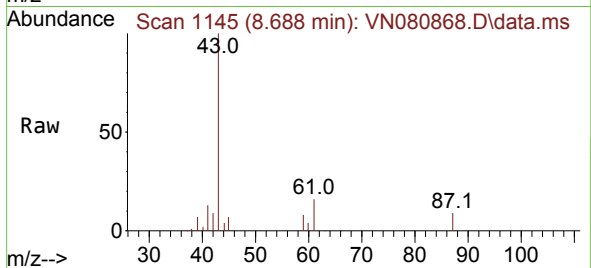
Tgt Ion: 43 Resp: 124665

Ion Ratio Lower Upper

43 100

61 14.9 19.9 29.9#

87 8.7 9.0 13.6#



#45

1,2-Dichloropropane

Concen: 0.507 ug/l

RT: 9.753 min Scan# 1326

Delta R.T. 0.130 min

Lab File: VN080868.D

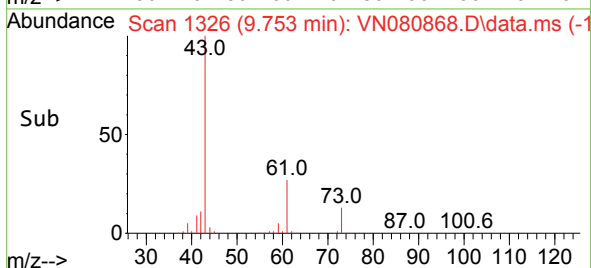
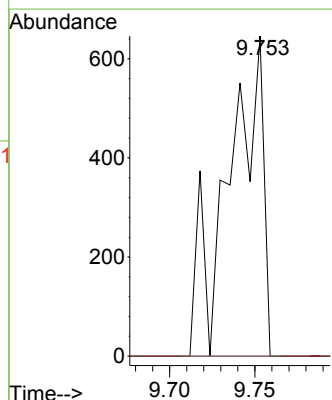
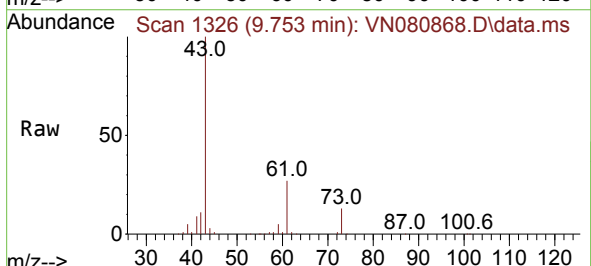
Acq: 01 Feb 2024 14:25

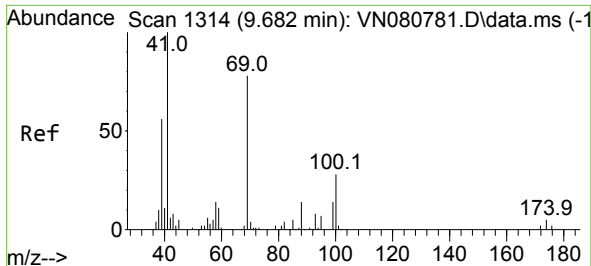
Tgt Ion: 63 Resp: 926

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#

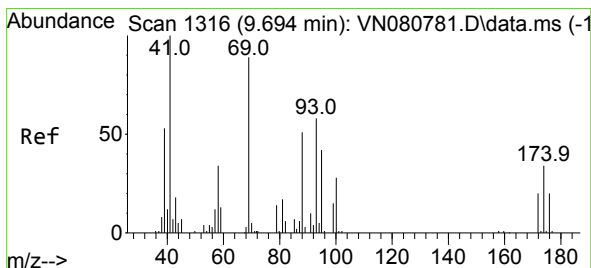
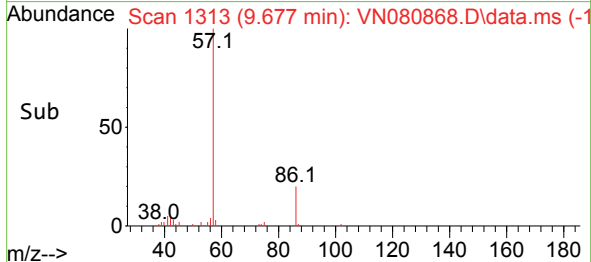
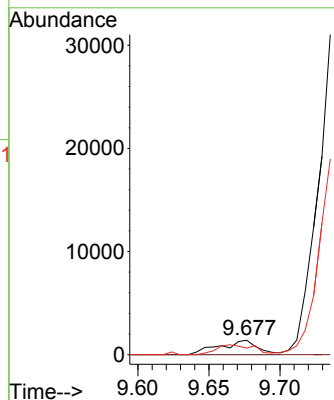
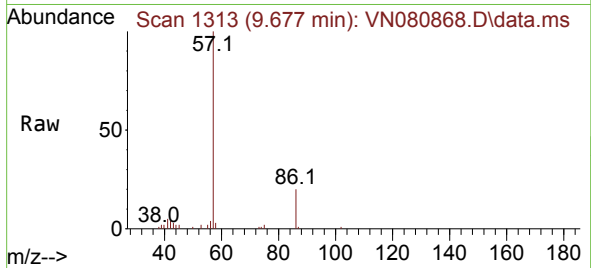




#48
Methyl methacrylate
Concen: 1.283 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080868.D
Acq: 01 Feb 2024 14:25

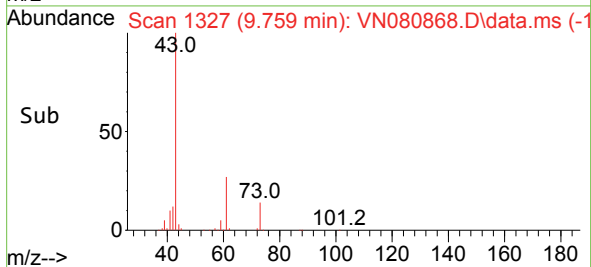
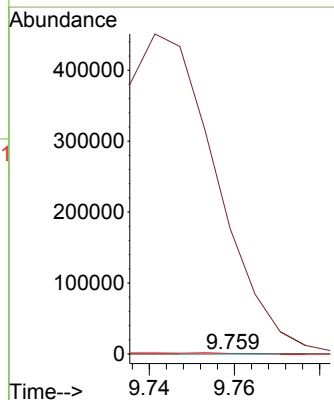
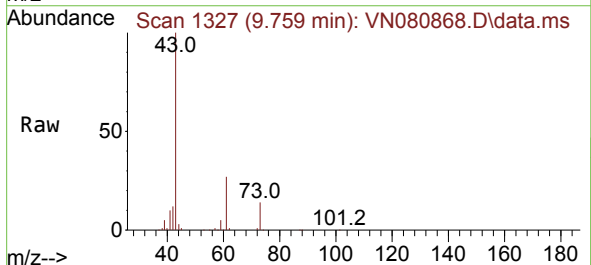
Instrument :
MSVOA_N
ClientSampleId :
TP-3

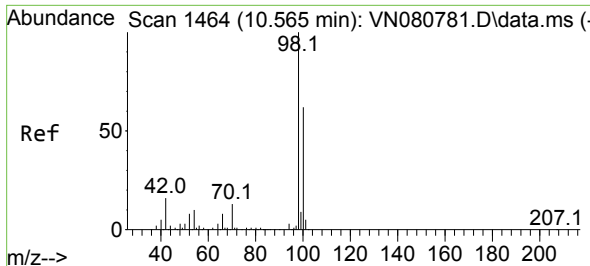
Tgt Ion: 41 Resp: 2676
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 66.8 47.6 71.4



#49
1,4-Dioxane
Concen: 2.228 ug/l
RT: 9.759 min Scan# 1327
Delta R.T. 0.065 min
Lab File: VN080868.D
Acq: 01 Feb 2024 14:25

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 1465096.4 30.1 45.1#
58 6530.4 63.9 95.9#

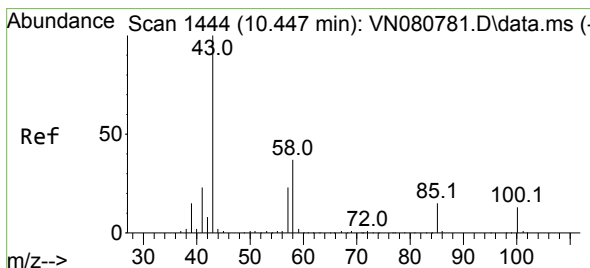
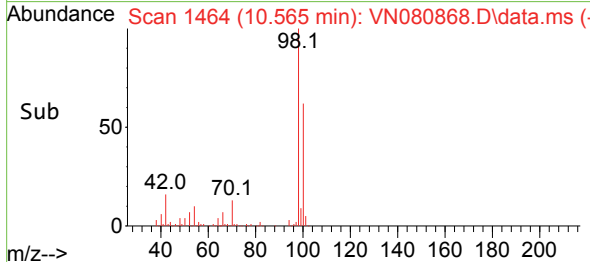
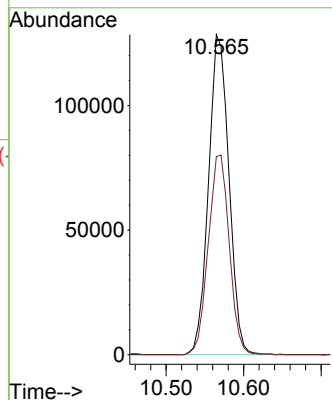
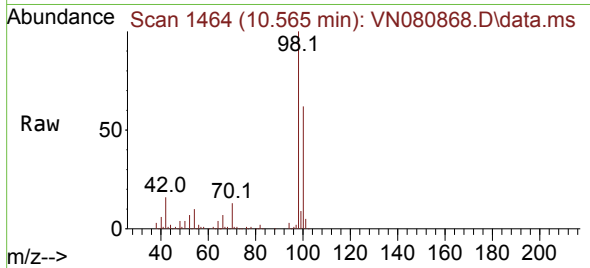




#50
Toluene-d8
Concen: 48.542 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080868.D
Acq: 01 Feb 2024 14:25

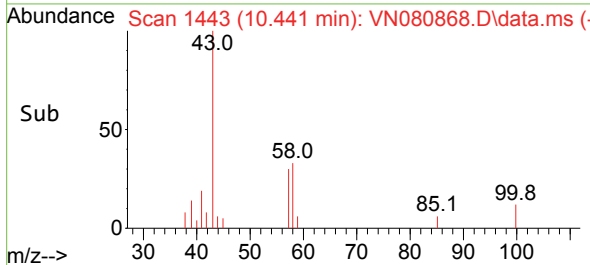
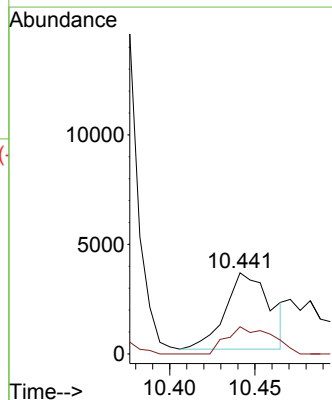
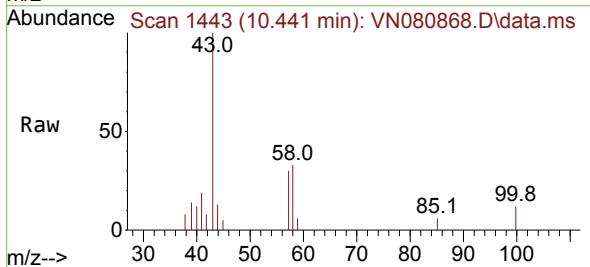
Instrument :
MSVOA_N
ClientSampleId :
TP-3

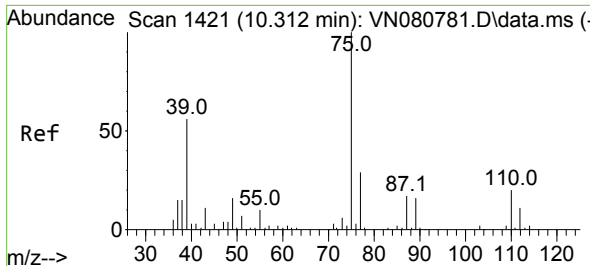
Tgt Ion: 98 Resp: 234710
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 2.657 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN080868.D
Acq: 01 Feb 2024 14:25

Tgt Ion: 43 Resp: 6391
Ion Ratio Lower Upper
43 100
58 36.0 29.4 44.0

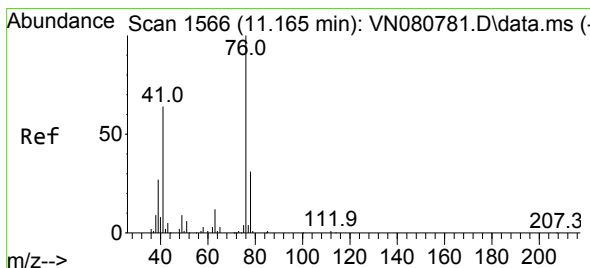
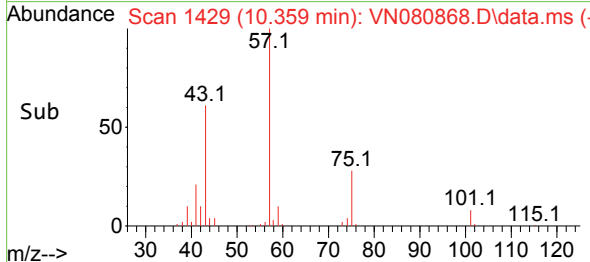
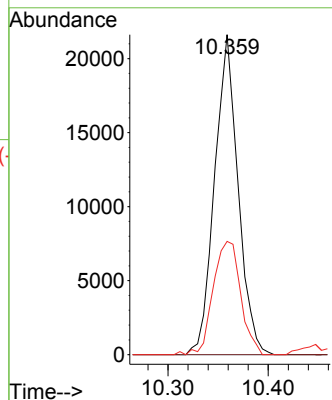
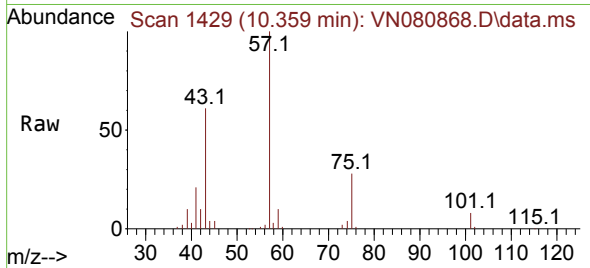




#54
 cis-1,3-Dichloropropene
 Concen: 12.586 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080868.D
 Acq: 01 Feb 2024 14:25

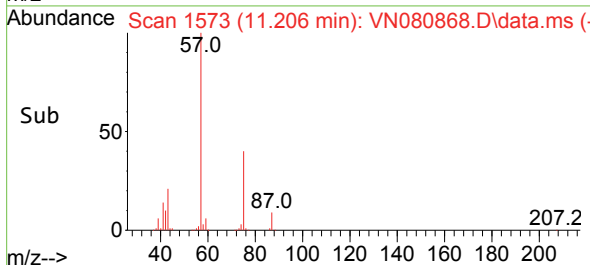
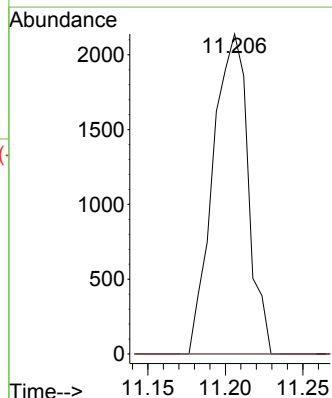
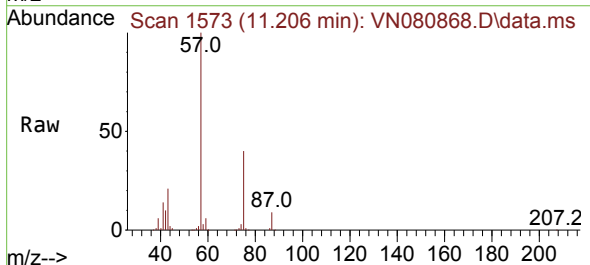
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

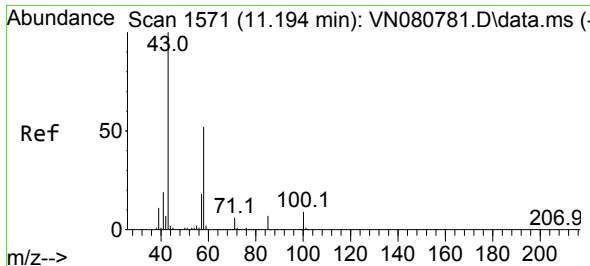
Tgt Ion: 75 Resp: 35048
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.3 34.9#
 39 35.4 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 1.206 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.041 min
 Lab File: VN080868.D
 Acq: 01 Feb 2024 14:25

Tgt Ion: 76 Resp: 3374
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#

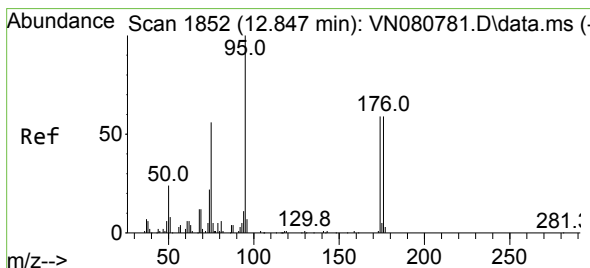
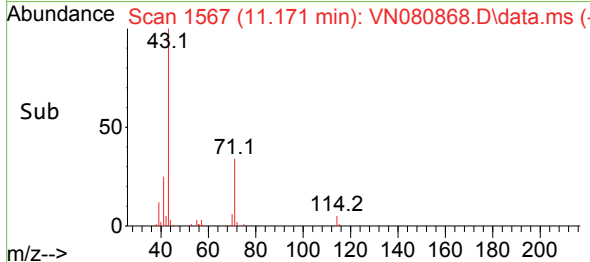
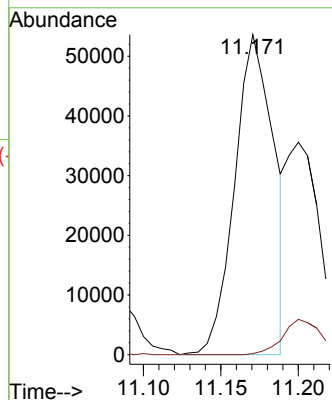
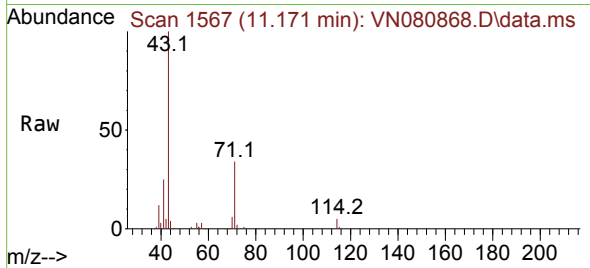




#59
2-Hexanone
Concen: 50.171 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.023 min
Lab File: VN080868.D
Acq: 01 Feb 2024 14:25

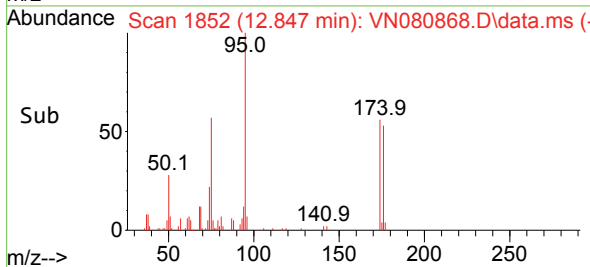
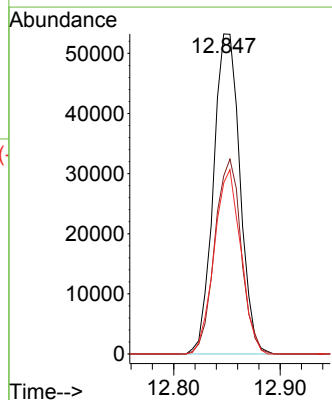
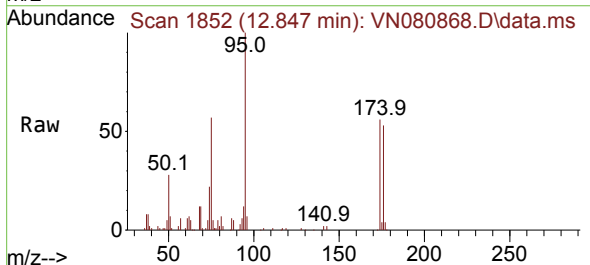
Instrument :
MSVOA_N
ClientSampleId :
TP-3

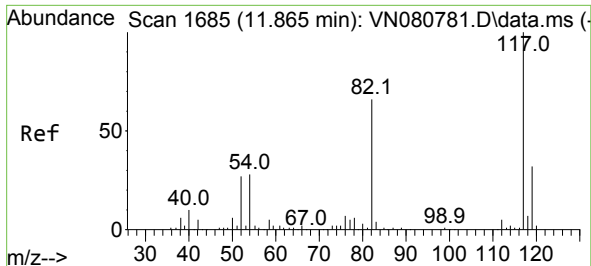
Tgt Ion: 43 Resp: 93756
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 54.437 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080868.D
Acq: 01 Feb 2024 14:25

Tgt Ion: 95 Resp: 91723
Ion Ratio Lower Upper
95 100
174 61.0 0.0 120.4
176 58.0 0.0 121.0

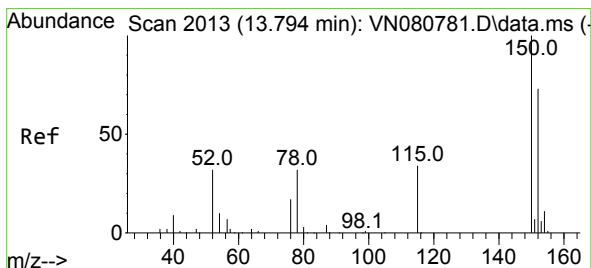
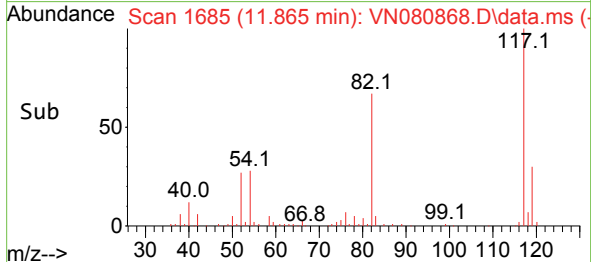
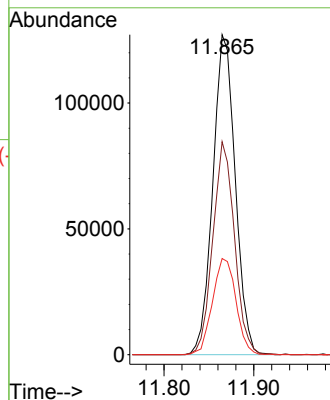
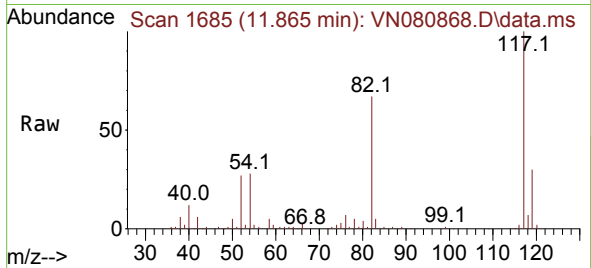




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080868.D
Acq: 01 Feb 2024 14:25

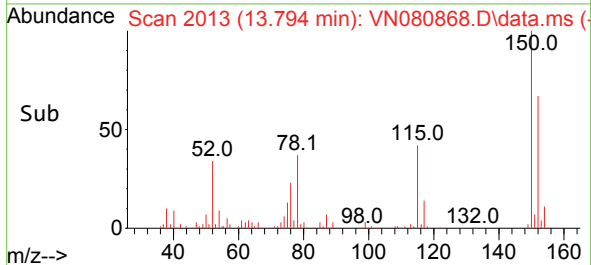
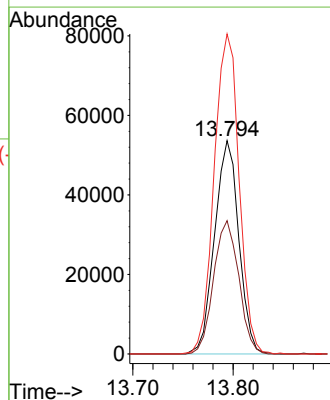
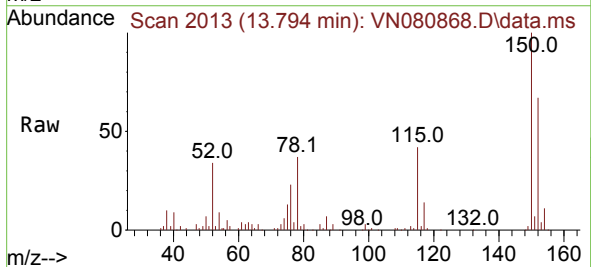
Instrument :
MSVOA_N
ClientSampleId :
TP-3

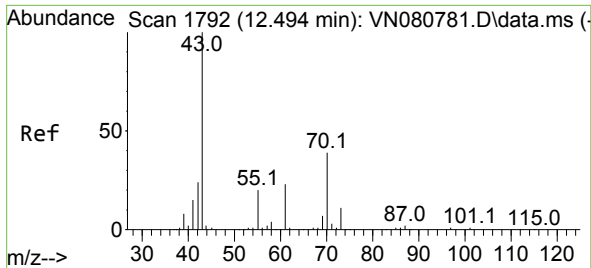
Tgt Ion:117 Resp: 220441
Ion Ratio Lower Upper
117 100
82 66.6 52.7 79.1
119 30.0 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080868.D
Acq: 01 Feb 2024 14:25

Tgt Ion:152 Resp: 89980
Ion Ratio Lower Upper
152 100
115 64.8 32.3 96.8
150 154.3 0.0 339.8

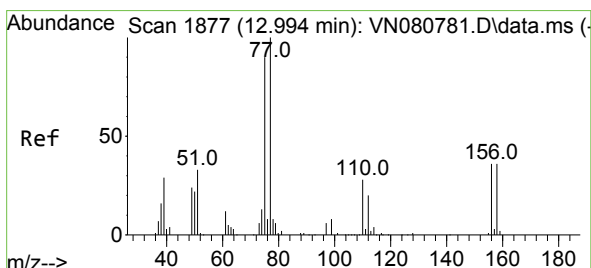
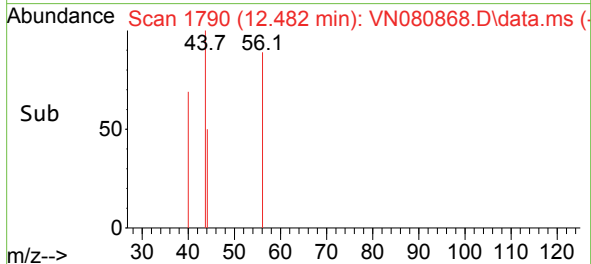
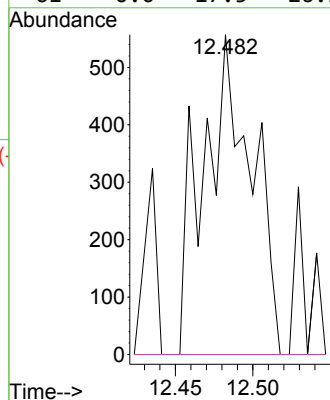
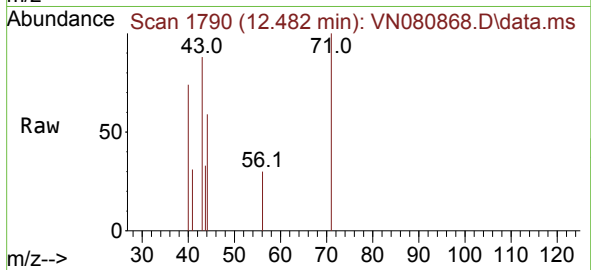




#74
N-amy1 acetate
Concen: 0.238 ug/l
RT: 12.482 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN080868.D
Acq: 01 Feb 2024 14:25

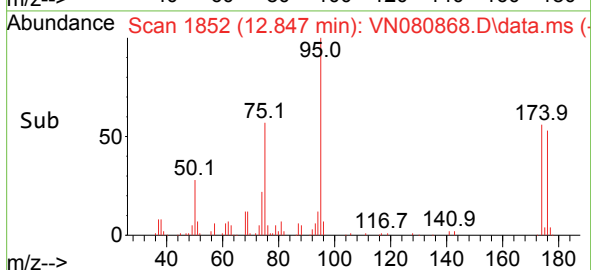
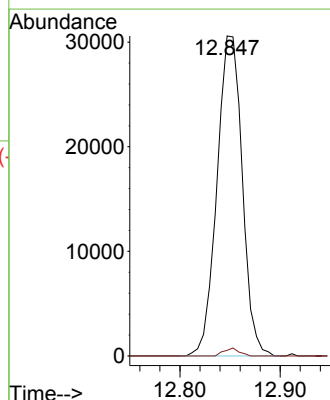
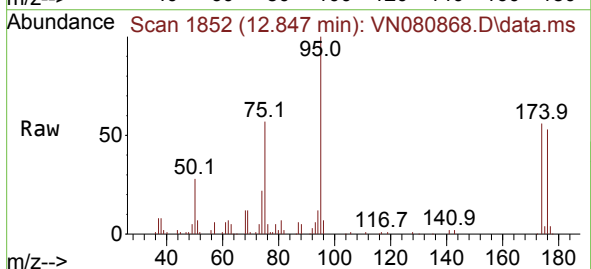
Instrument :
MSVOA_N
ClientSampleId :
TP-3

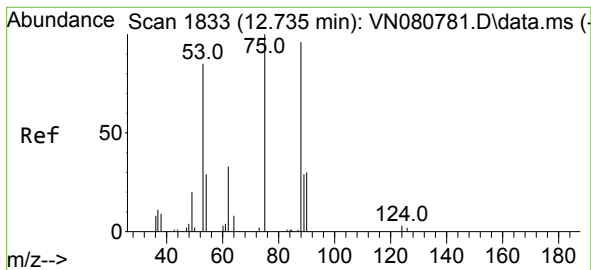
Tgt Ion: 43	Resp:	1219
Ion	Ratio	Lower Upper
43	100	
70	0.0	30.1 45.1#
55	0.0	17.0 25.4#
61	0.0	17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 19.747 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080868.D
Acq: 01 Feb 2024 14:25

Tgt Ion: 75	Resp:	53589
Ion	Ratio	Lower Upper
75	100	
77	1.5	91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.871 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080868.D
 Acq: 01 Feb 2024 14:25

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

Tgt Ion: 75 Resp: 53589
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

