

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010324\
 Data File : VN080639.D
 Acq On : 03 Jan 2024 14:56
 Operator : JC\MD
 Sample : PB158184ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 04 01:59:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 28 03:07:01 2023
 Response via : Initial Calibration

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

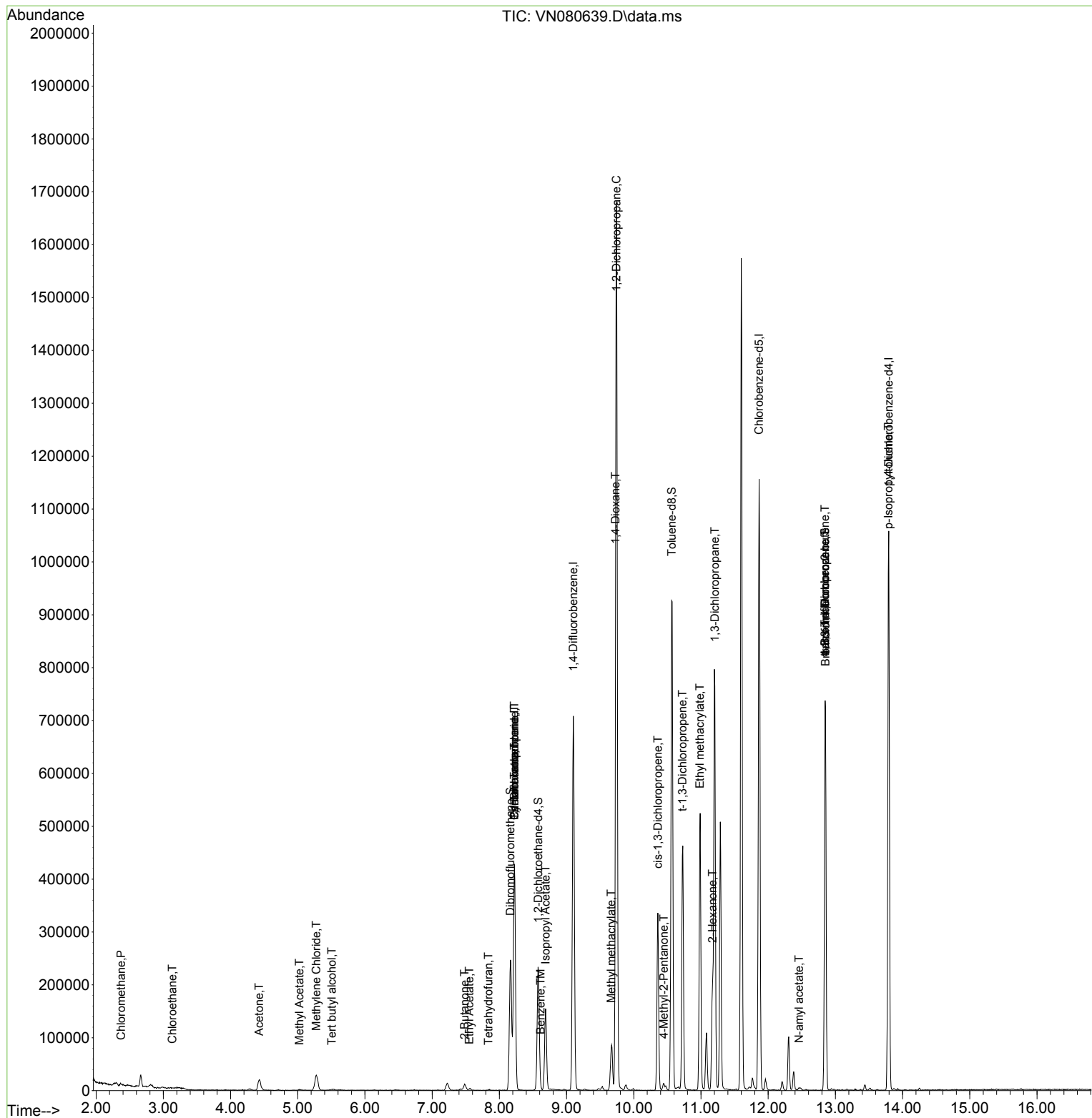
Internal Standards						
1) Pentafluorobenzene	8.224	168	308647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	611826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	667164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	290482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	197486	49.882	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.760%		
35) Dibromofluoromethane	8.165	113	177288	44.803	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.600%		
50) Toluene-d8	10.565	98	678965	49.143	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.280%		
62) 4-Bromofluorobenzene	12.847	95	269271	57.911	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	115.820%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	5858	0.655	ug/l	94
6) Chloroethane	3.136	64	561	0.236	ug/l #	43
11) Tert butyl alcohol	5.506	59	2413	4.530	ug/l #	72
16) Acetone	4.424	43	36966	34.348	ug/l	89
18) Methyl Acetate	5.024	43	2455	0.411	ug/l #	82
20) Methylene Chloride	5.277	84	25014	7.284	ug/l	93
25) 2-Butanone	7.483	43	18383	9.139	ug/l #	81
29) Tetrahydrofuran	7.835	42	987	0.752	ug/l #	20
31) Cyclohexane	8.224	56	5634	1.052	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	23464	3.853	ug/l #	49
37) Ethyl Acetate	7.553	43	4597	1.000	ug/l #	88
38) Carbon Tetrachloride	8.224	117	33646	5.401	ug/l #	16
40) Benzene	8.612	78	1099	0.433	ug/l #	52
43) Isopropyl Acetate	8.688	43	164475	22.082	ug/l #	89
45) 1,2-Dichloropropane	9.741	63	2046	0.494	ug/l #	45
48) Methyl methacrylate	9.665	41	6470	1.564	ug/l #	27
49) 1,4-Dioxane	9.729	88	219	3.313	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	8647	2.041	ug/l	96
53) t-1,3-Dichloropropene	10.723	75	1464	0.249	ug/l #	73
54) cis-1,3-Dichloropropene	10.359	75	64187	9.746	ug/l #	61
56) Ethyl methacrylate	10.982	69	3012	0.801	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8916	1.370	ug/l #	42
59) 2-Hexanone	11.171	43	152769	47.847	ug/l #	19
71) Bromoform	12.853	173	1422	0.377	ug/l #	1
74) N-amyl acetate	12.459	43	4177	0.596	ug/l #	41
76) 1,2,3-Trichloropropane	12.847	75	137139	21.950	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	137139	59.457	ug/l #	15
86) p-Isopropyltoluene	13.788	119	76	0.459	ug/l #	1

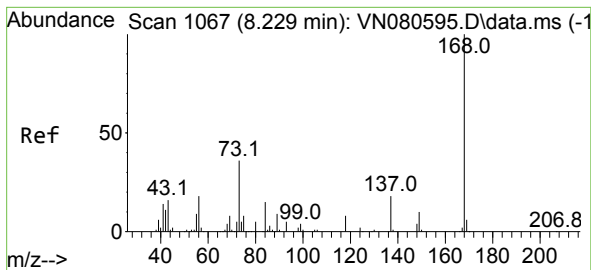
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010324\
Data File : VN080639.D
Acq On : 03 Jan 2024 14:56
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Instrument :
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Quant Time: Jan 04 01:59:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122723W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 28 03:07:01 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN080639.D

Acq: 03 Jan 2024 14:56

Instrument :

MSVOA_N

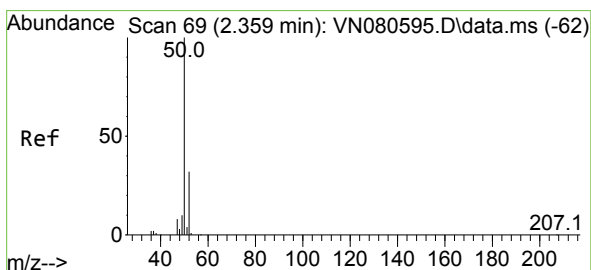
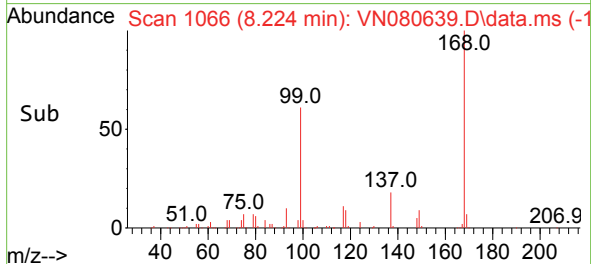
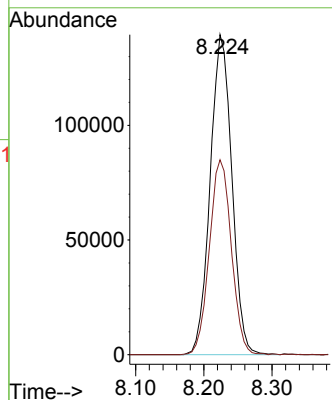
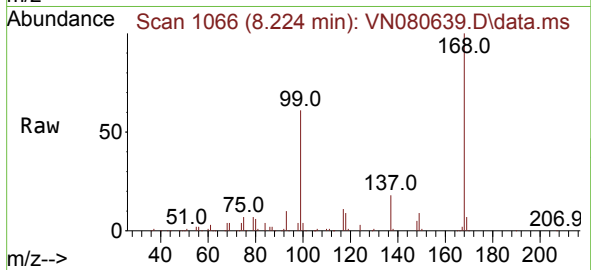
ClientSampleId :

Tgt Ion:168 Resp: 308647

Ion Ratio Lower Upper

168 100

99 60.9 53.0 79.6



#3

Chloromethane

Concen: 0.655 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.012 min

Lab File: VN080639.D

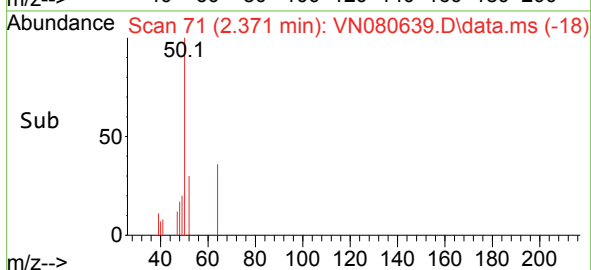
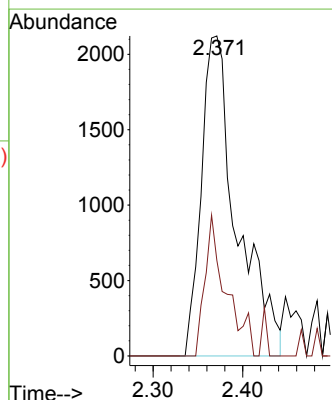
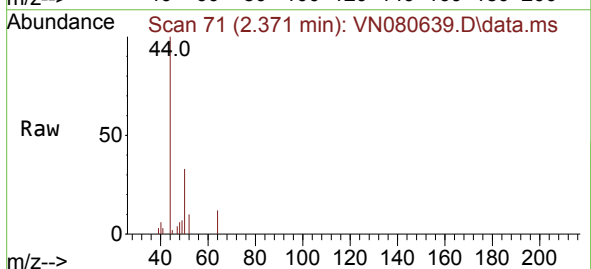
Acq: 03 Jan 2024 14:56

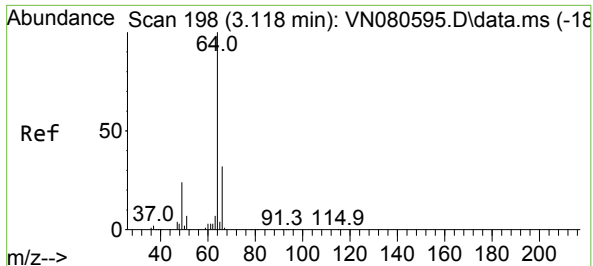
Tgt Ion: 50 Resp: 5858

Ion Ratio Lower Upper

50 100

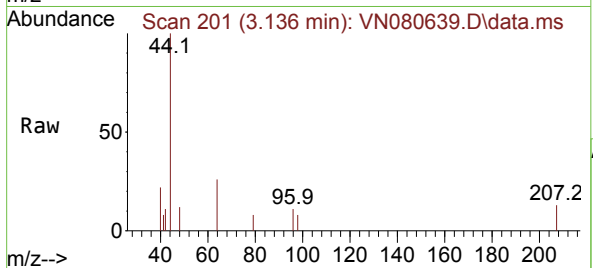
52 29.9 26.5 39.7



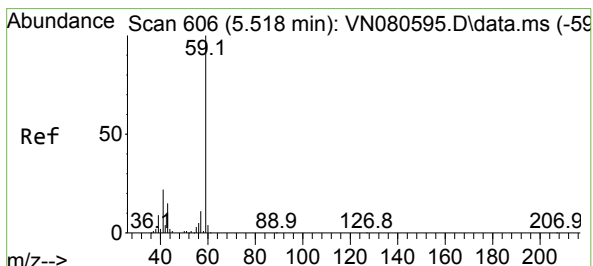
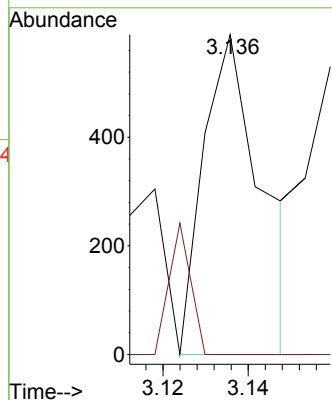
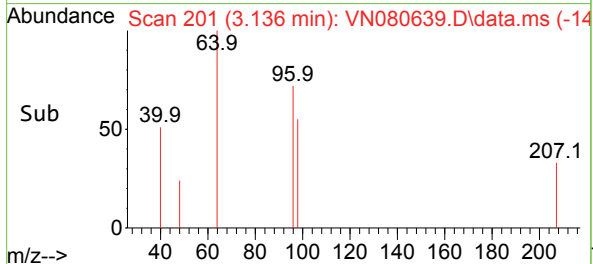


#6
Chloroethane
Concen: 0.236 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN080639.D
Acq: 03 Jan 2024 14:56

Instrument :
MSVOA_N
ClientSampleId :

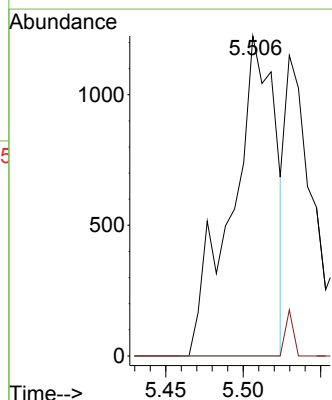
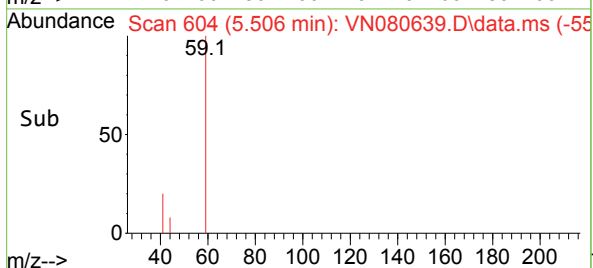
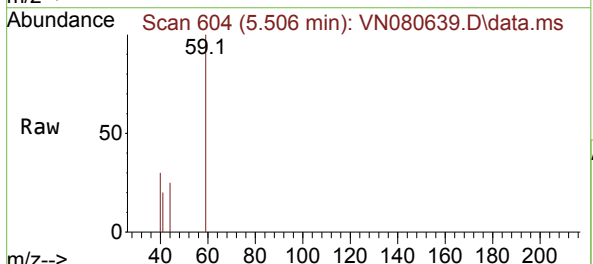


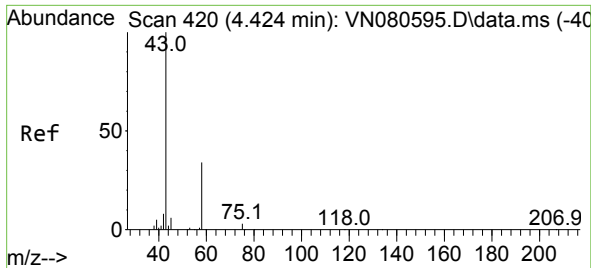
Tgt Ion: 64 Resp: 561
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 4.530 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.012 min
Lab File: VN080639.D
Acq: 03 Jan 2024 14:56

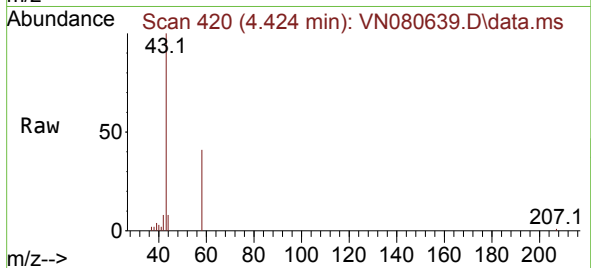
Tgt Ion: 59 Resp: 2413
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



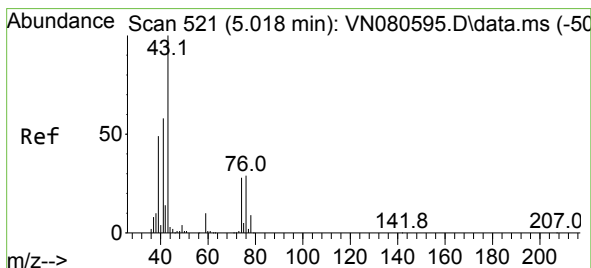
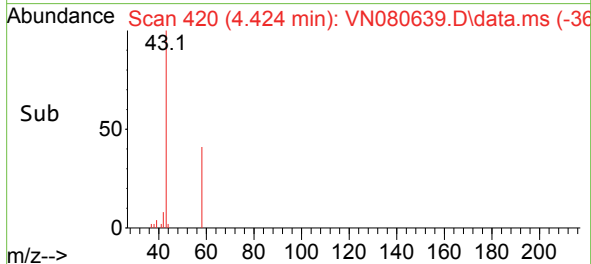
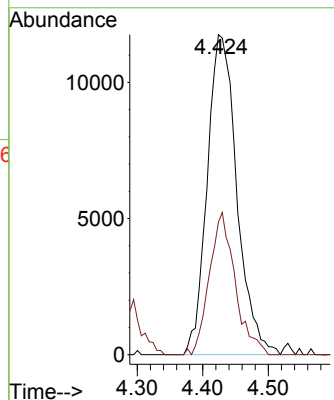


#16
Acetone
Concen: 34.348 ug/l
RT: 4.424 min Scan# 431
Delta R.T. 0.000 min
Lab File: VN080639.D
Acq: 03 Jan 2024 14:56

Instrument :
MSVOA_N
ClientSampleId :

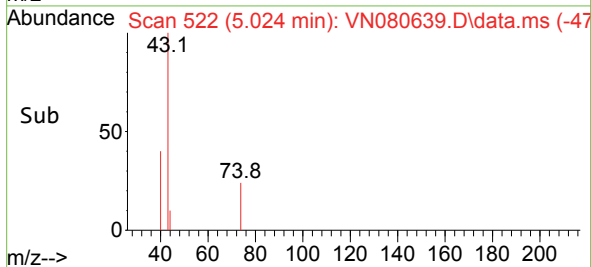
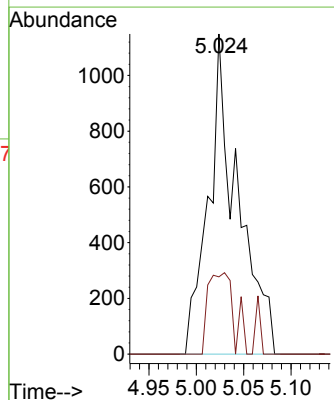
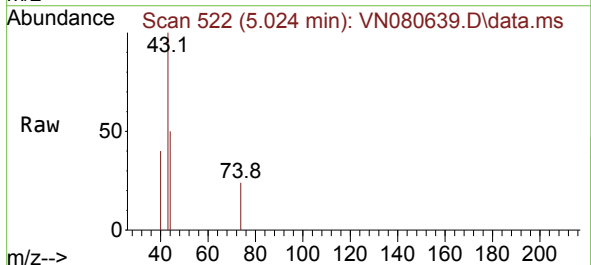


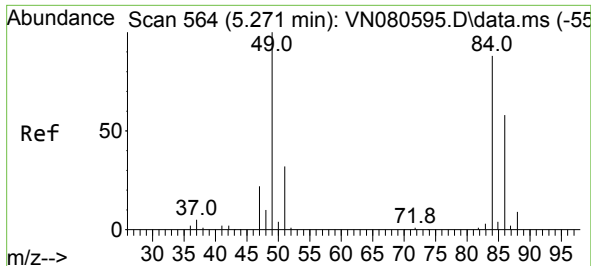
Tgt Ion: 43 Resp: 36966
Ion Ratio Lower Upper
43 100
58 41.5 28.0 42.0



#18
Methyl Acetate
Concen: 0.411 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN080639.D
Acq: 03 Jan 2024 14:56

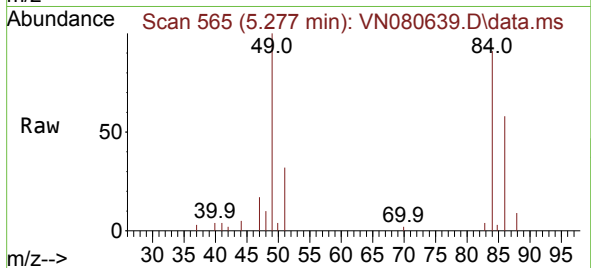
Tgt Ion: 43 Resp: 2455
Ion Ratio Lower Upper
43 100
74 22.6 26.2 39.4#



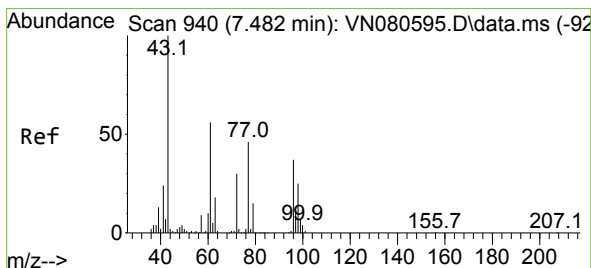
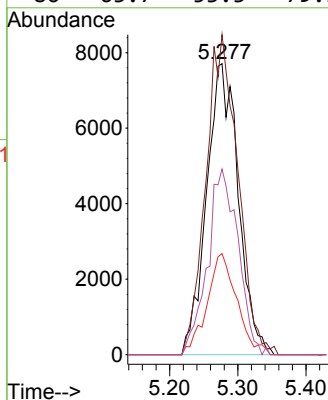
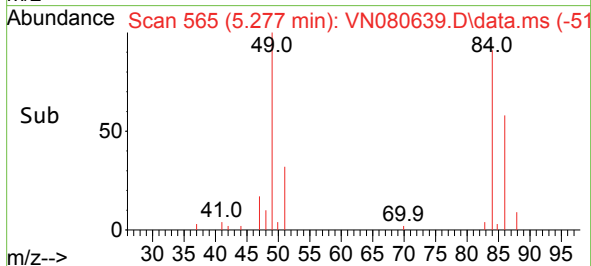


#20
Methylene Chloride
Concen: 7.284 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080639.D
Acq: 03 Jan 2024 14:56

Instrument :
MSVOA_N
ClientSampleId :

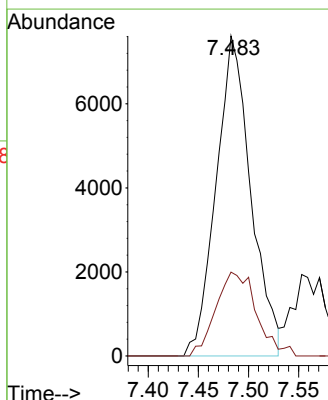
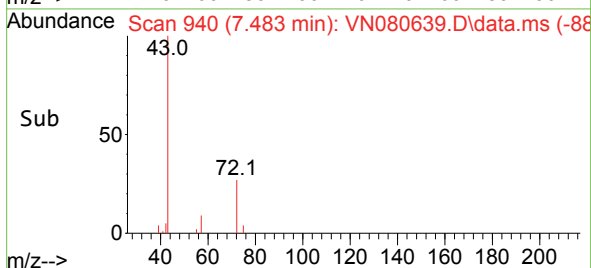
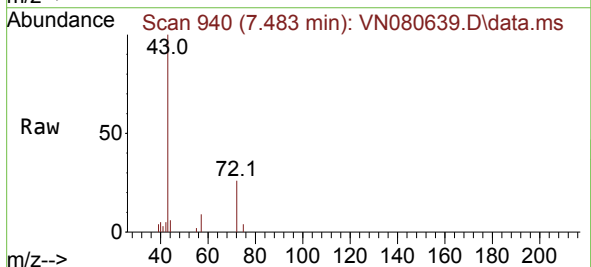


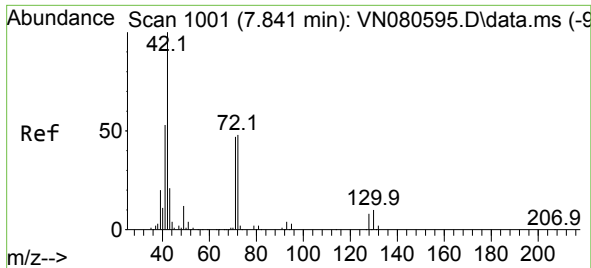
Tgt Ion: 84	Resp: 25014
Ion Ratio	Lower Upper
84 100	
49 109.9	79.7 119.5
51 34.7	25.2 37.8
86 63.7	53.3 79.9



#25
2-Butanone
Concen: 9.139 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN080639.D
Acq: 03 Jan 2024 14:56

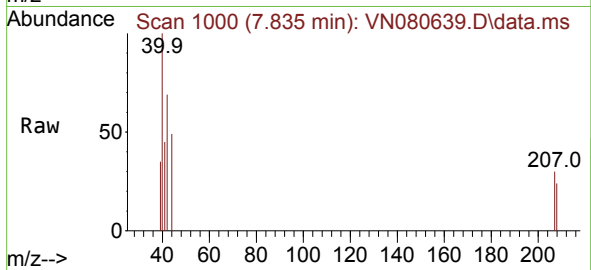
Tgt Ion: 43	Resp: 18383
Ion Ratio	Lower Upper
43 100	
72 26.2	30.2 45.2#



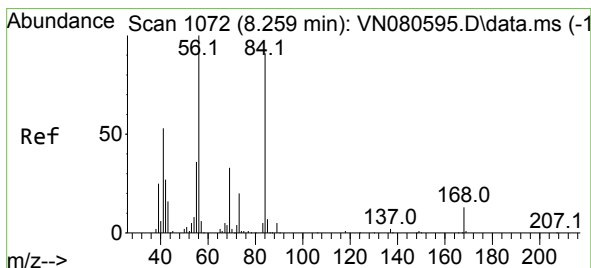
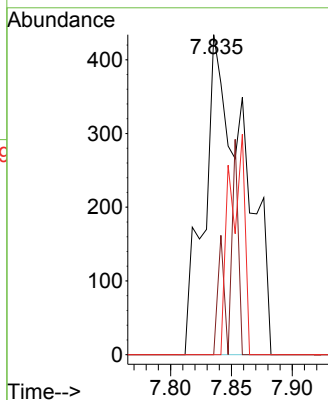
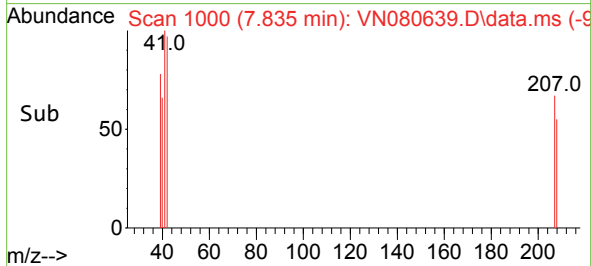


#29
Tetrahydrofuran
Concen: 0.752 ug/l
RT: 7.835 min Scan# 1066
Delta R.T. -0.006 min
Lab File: VN080639.D
Acq: 03 Jan 2024 14:56

Instrument :
MSVOA_N
ClientSampleId :

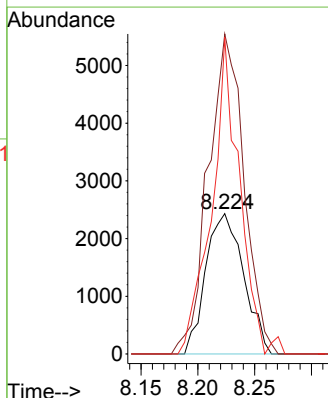
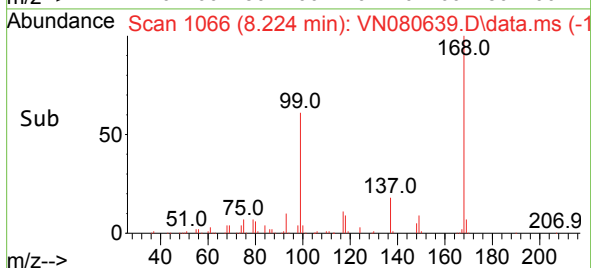
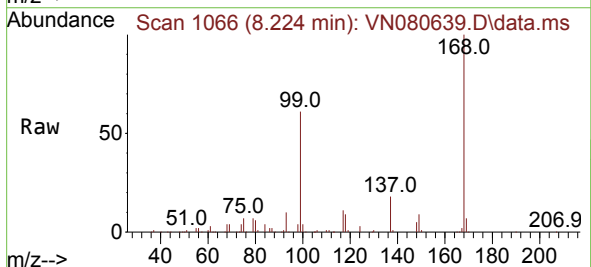


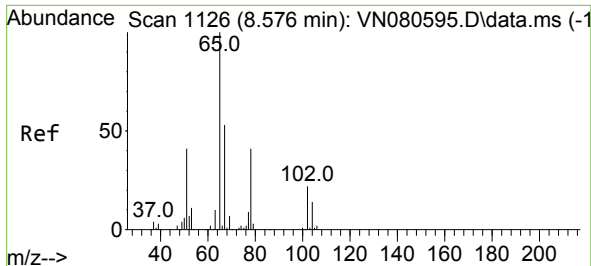
Tgt Ion: 42 Resp: 987
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



#31
Cyclohexane
Concen: 1.052 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080639.D
Acq: 03 Jan 2024 14:56

Tgt Ion: 56 Resp: 5634
Ion Ratio Lower Upper
56 100
69 228.0 26.8 40.2#
84 225.7 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 49.882 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080639.D

Acq: 03 Jan 2024 14:56

Instrument :

MSVOA_N

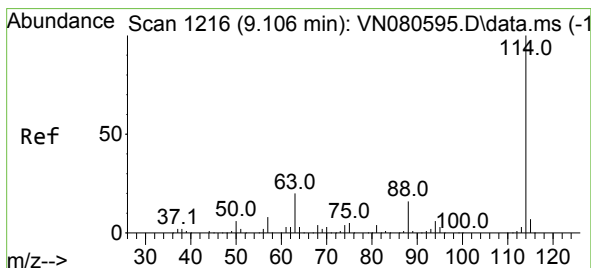
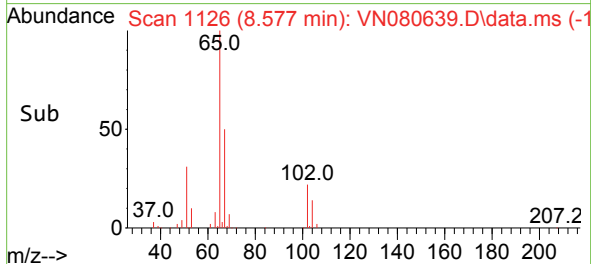
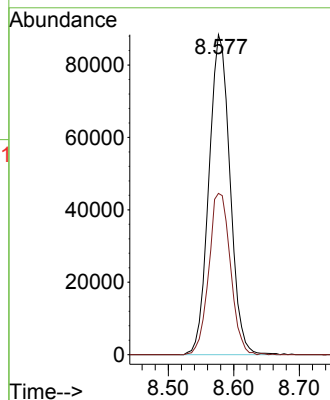
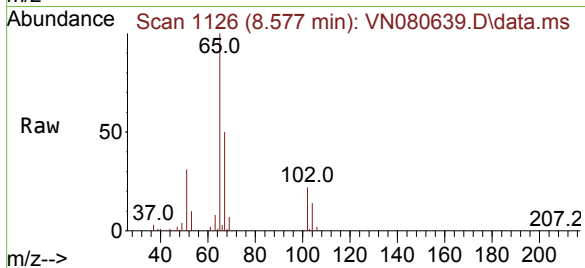
ClientSampleId :

Tgt Ion: 65 Resp: 197486

Ion Ratio Lower Upper

65 100

67 51.6 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN080639.D

Acq: 03 Jan 2024 14:56

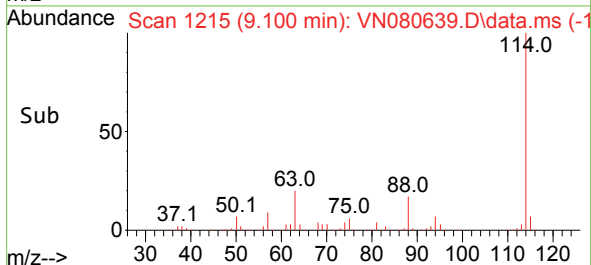
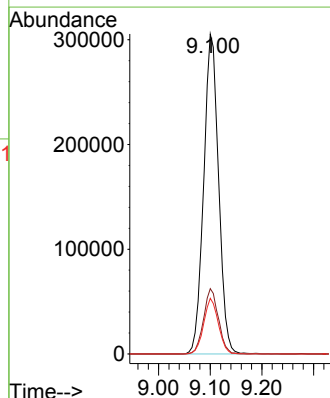
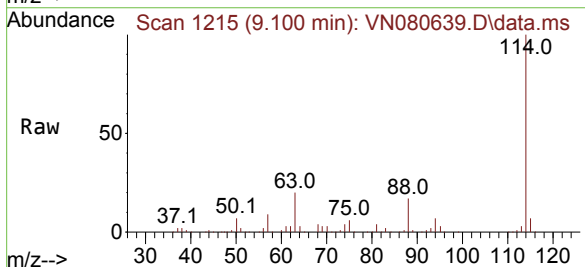
Tgt Ion: 114 Resp: 611826

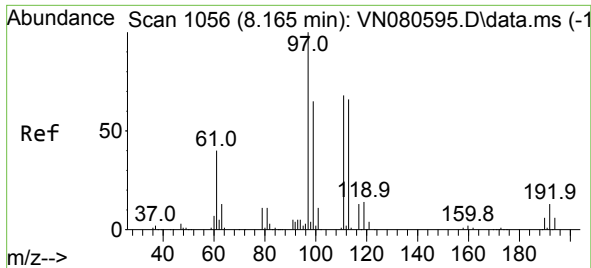
Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.4

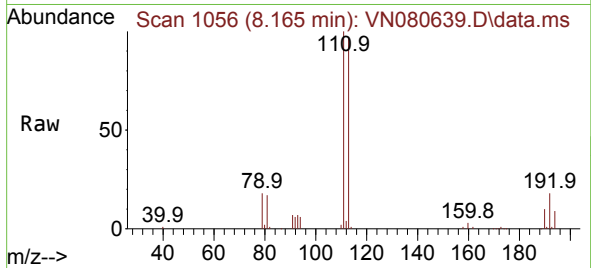
88 17.4 0.0 30.6



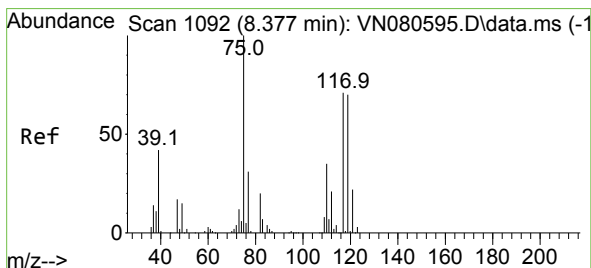
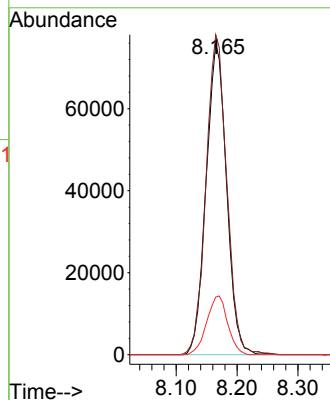
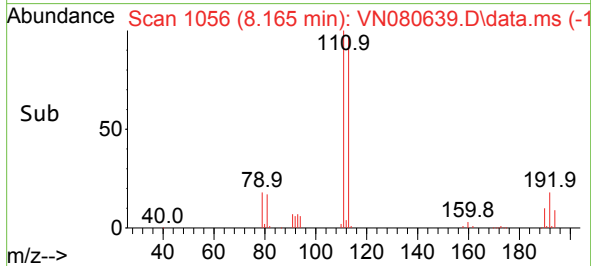


#35
Dibromofluoromethane
Concen: 44.803 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080639.D
Acq: 03 Jan 2024 14:56

Instrument :
MSVOA_N
ClientSampleId :

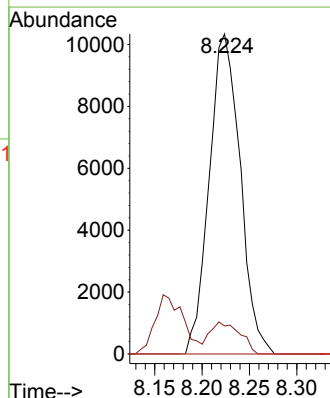
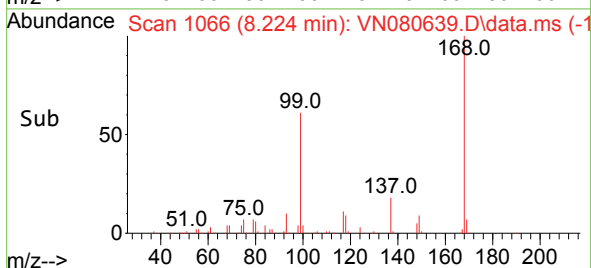
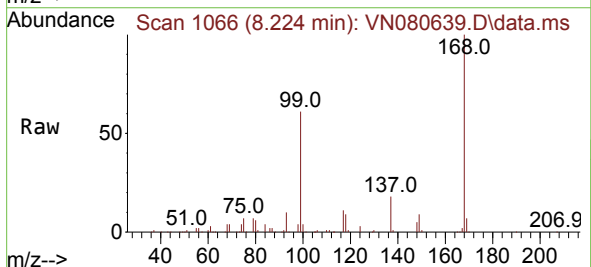


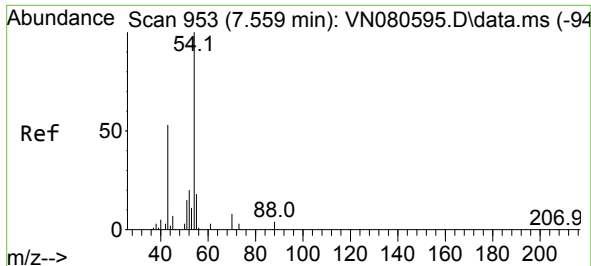
Tgt Ion:113 Resp: 177288
Ion Ratio Lower Upper
113 100
111 103.7 82.6 123.8
192 19.3 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 3.853 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080639.D
Acq: 03 Jan 2024 14:56

Tgt Ion: 75 Resp: 23464
Ion Ratio Lower Upper
75 100
110 9.7 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.000 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.006 min

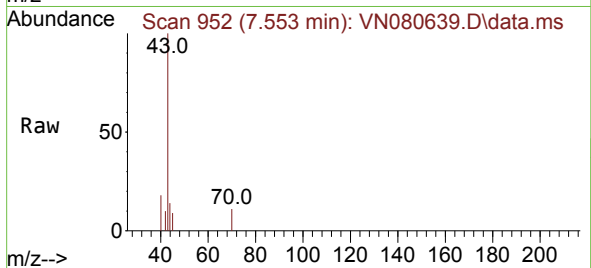
Lab File: VN080639.D

Acq: 03 Jan 2024 14:56

Instrument :

MSVOA_N

ClientSampleId :



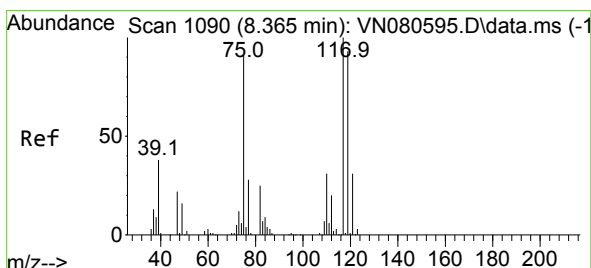
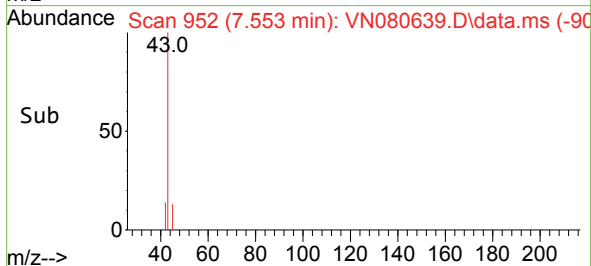
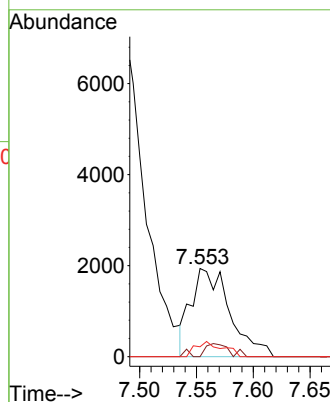
Tgt Ion: 43 Resp: 4597

Ion Ratio Lower Upper

43 100

61 8.9 13.2 19.8#

70 12.0 11.3 16.9



#38

Carbon Tetrachloride

Concen: 5.401 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN080639.D

Acq: 03 Jan 2024 14:56

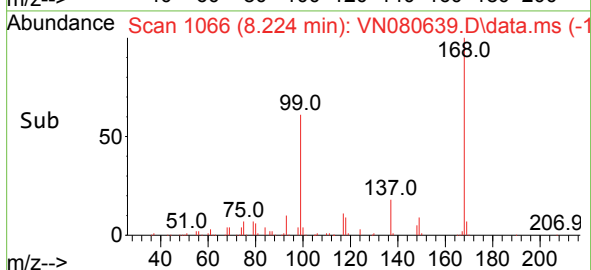
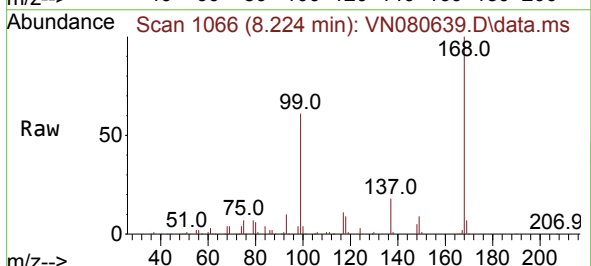
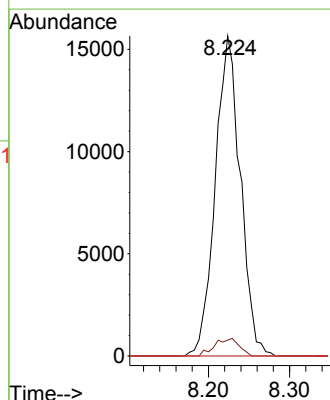
Tgt Ion: 117 Resp: 33646

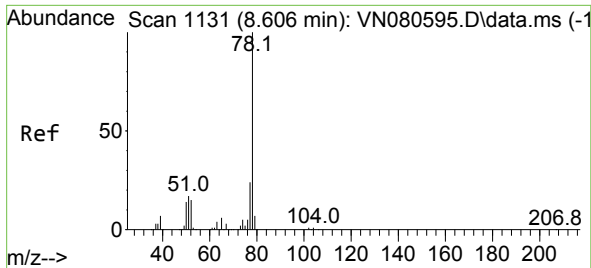
Ion Ratio Lower Upper

117 100

119 4.9 77.3 115.9#

121 0.0 23.3 34.9#

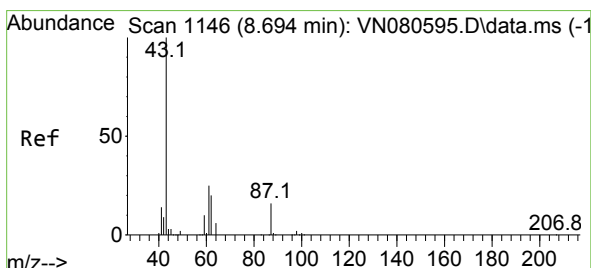
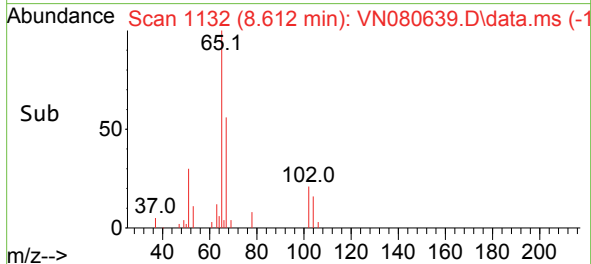
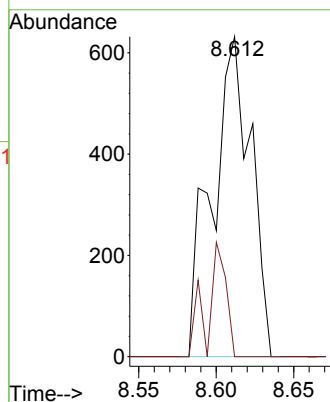
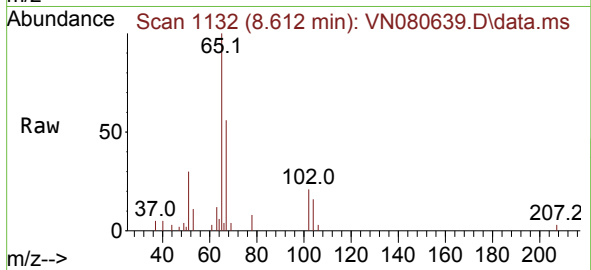




#40
Benzene
Concen: 0.433 ug/l
RT: 8.612 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN080639.D
Acq: 03 Jan 2024 14:56

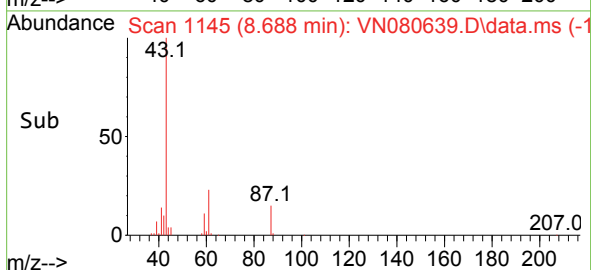
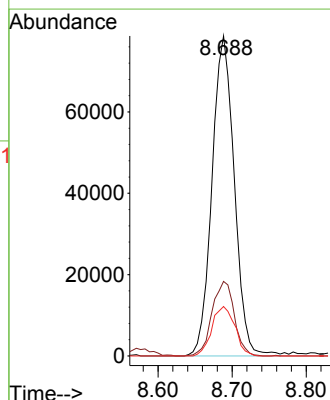
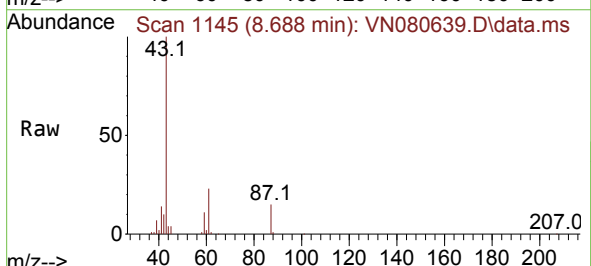
Instrument :
MSVOA_N
ClientSampleId :

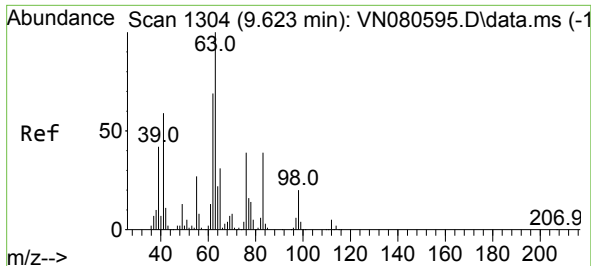
Tgt Ion: 78 Resp: 1099
Ion Ratio Lower Upper
78 100
77 0.0 19.0 28.6#



#43
Isopropyl Acetate
Concen: 22.082 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN080639.D
Acq: 03 Jan 2024 14:56

Tgt Ion: 43 Resp: 164475
Ion Ratio Lower Upper
43 100
61 23.3 24.7 37.1#
87 16.0 14.6 21.8





#45

1,2-Dichloropropane

Concen: 0.494 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.118 min

Lab File: VN080639.D

Acq: 03 Jan 2024 14:56

Instrument :

MSVOA_N

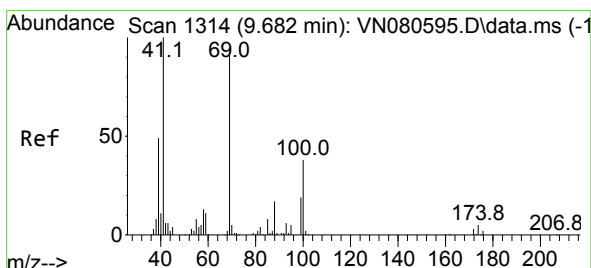
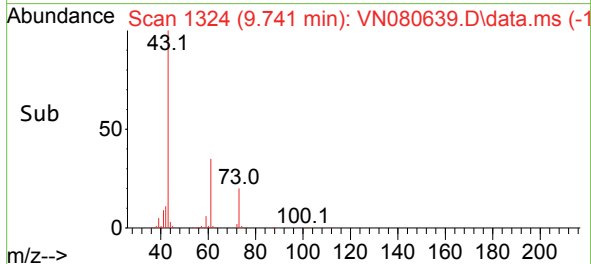
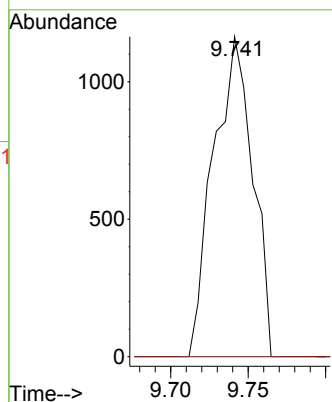
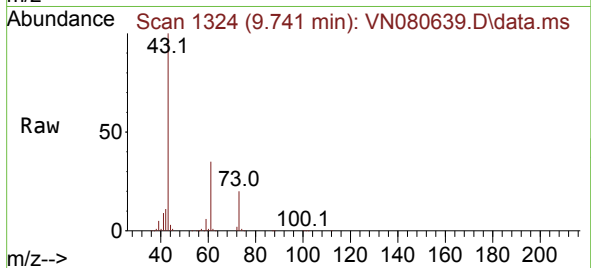
ClientSampleId :

Tgt Ion: 63 Resp: 2046

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.564 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN080639.D

Acq: 03 Jan 2024 14:56

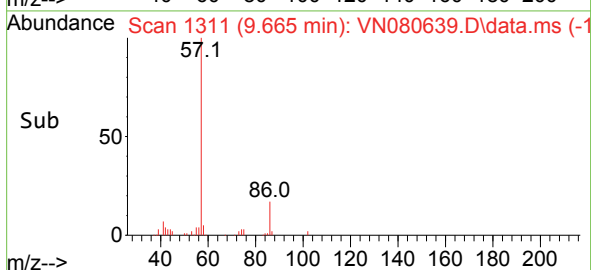
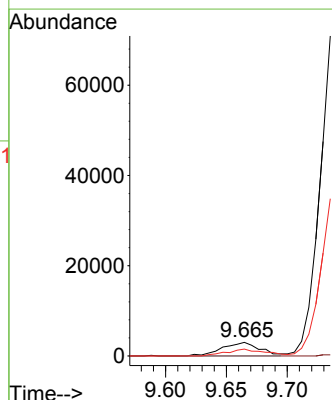
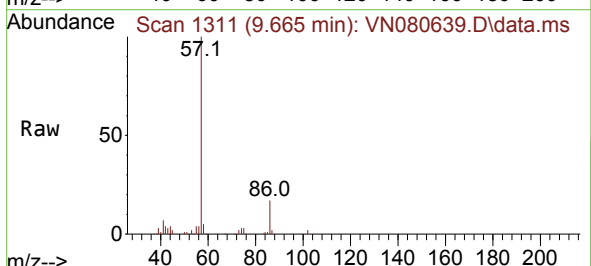
Tgt Ion: 41 Resp: 6470

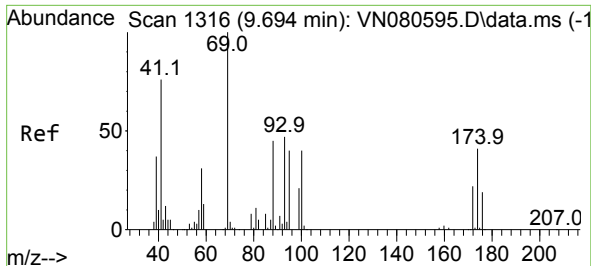
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 52.2 54.6 81.8#





#49

1,4-Dioxane

Concen: 3.313 ug/l

RT: 9.729 min Scan# 1

Delta R.T. 0.035 min

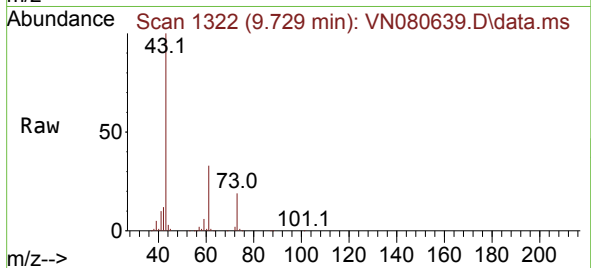
Lab File: VN080639.D

Acq: 03 Jan 2024 14:56

Instrument :

MSVOA_N

ClientSampleId :



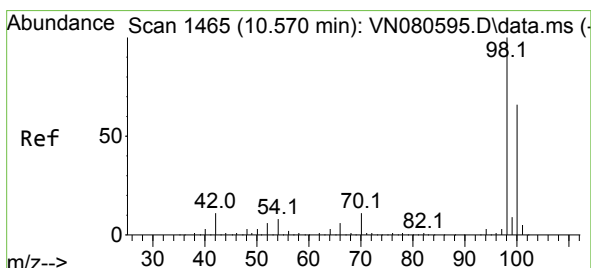
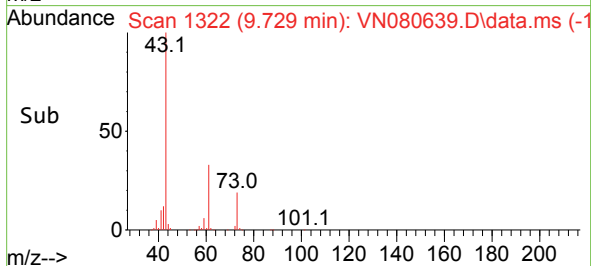
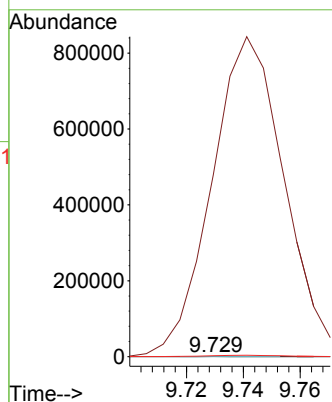
Tgt Ion: 88 Resp: 219

Ion Ratio Lower Upper

88 100

43 685413.7 17.0 25.6#

58 3384.5 47.0 70.4#



#50

Toluene-d8

Concen: 49.143 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN080639.D

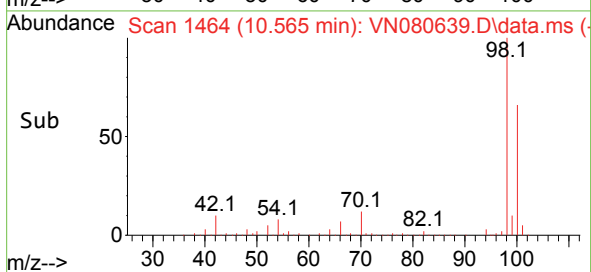
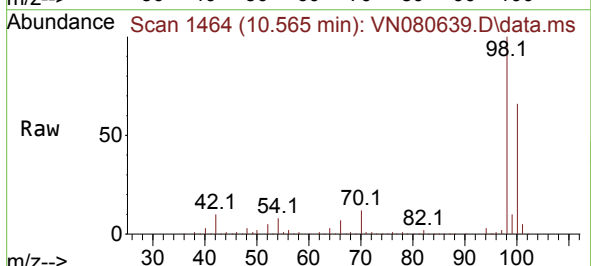
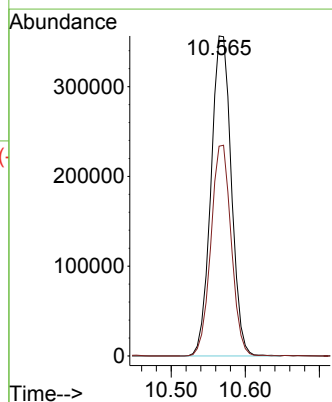
Acq: 03 Jan 2024 14:56

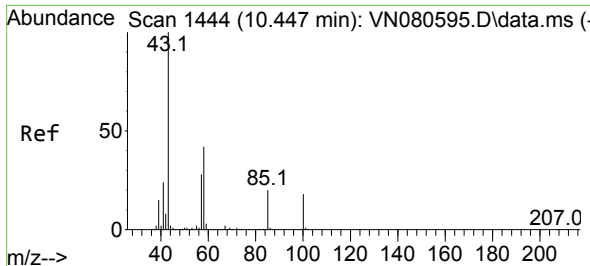
Tgt Ion: 98 Resp: 678965

Ion Ratio Lower Upper

98 100

100 65.8 52.0 78.0

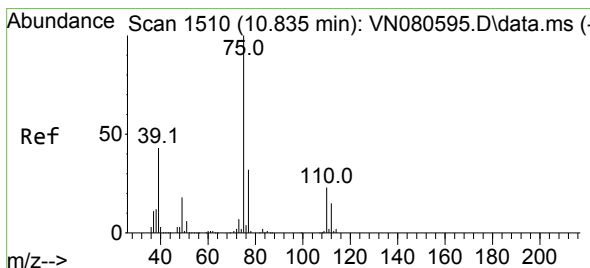
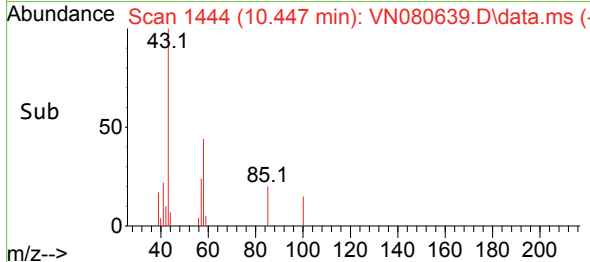
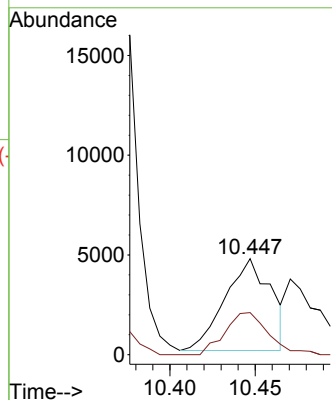
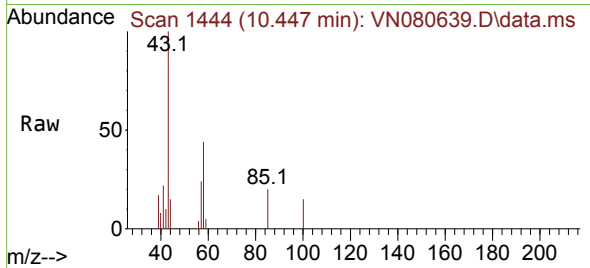




#51
4-Methyl-2-Pentanone
Concen: 2.041 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080639.D
Acq: 03 Jan 2024 14:56

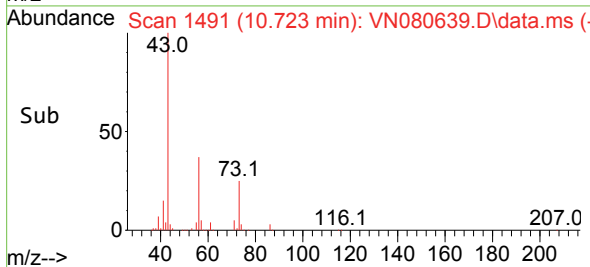
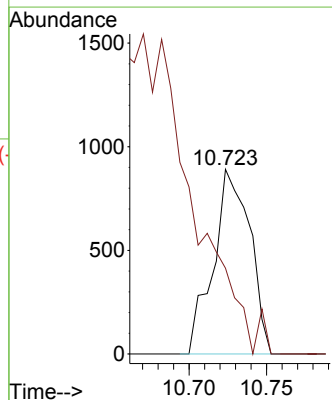
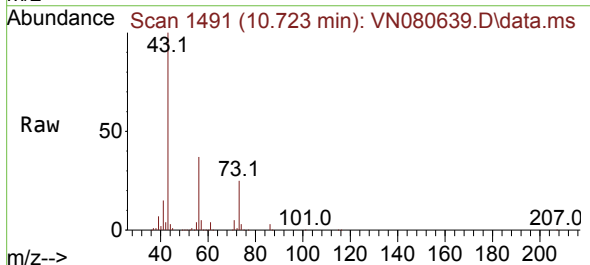
Instrument :
MSVOA_N
ClientSampleId :

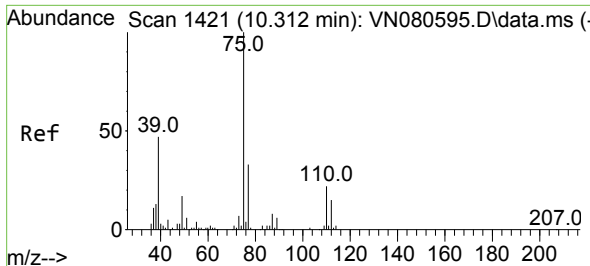
Tgt Ion: 43 Resp: 8647
Ion Ratio Lower Upper
43 100
58 43.3 36.6 54.8



#53
t-1,3-Dichloropropene
Concen: 0.249 ug/l
RT: 10.723 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN080639.D
Acq: 03 Jan 2024 14:56

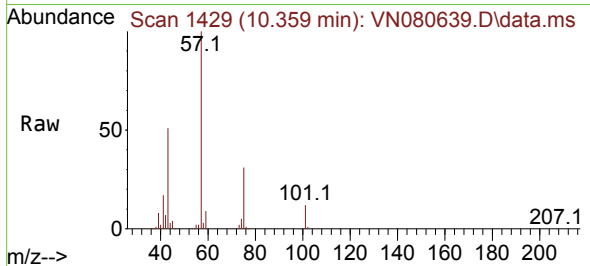
Tgt Ion: 75 Resp: 1464
Ion Ratio Lower Upper
75 100
77 46.5 25.4 38.0#



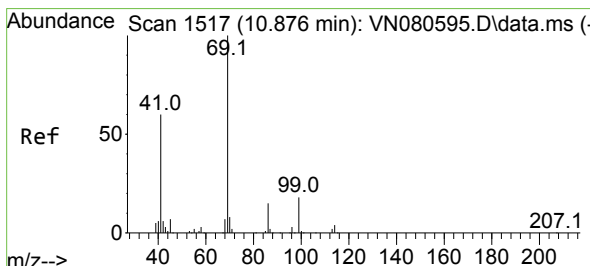
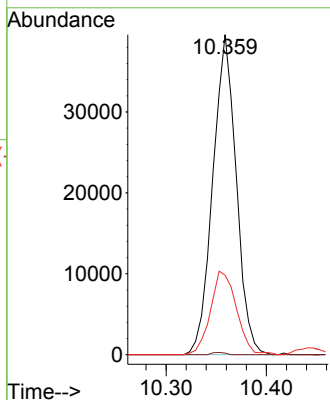
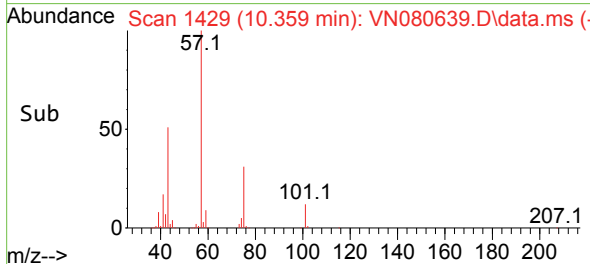


#54
 cis-1,3-Dichloropropene
 Concen: 9.746 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080639.D
 Acq: 03 Jan 2024 14:56

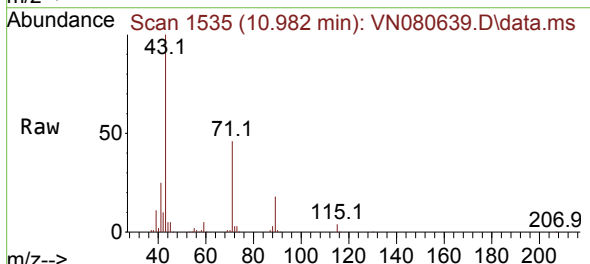
Instrument :
 MSVOA_N
 ClientSampleId :



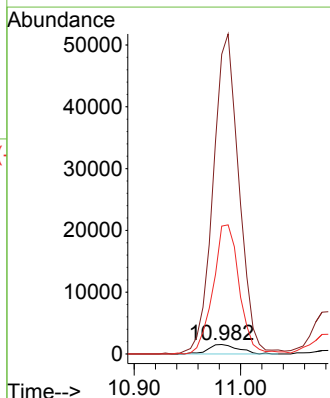
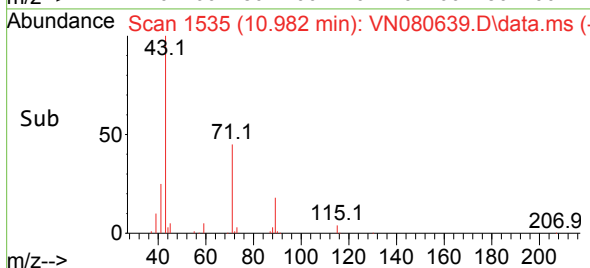
Tgt Ion: 75 Resp: 64187
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.1 39.1#
 39 24.8 31.6 47.4#

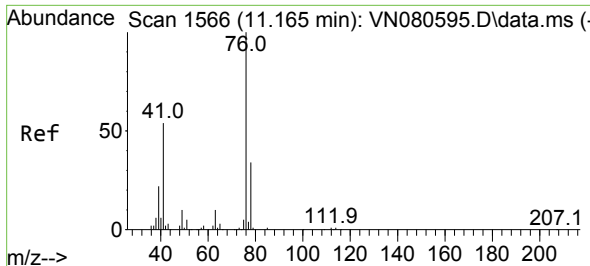


#56
 Ethyl methacrylate
 Concen: 0.801 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN080639.D
 Acq: 03 Jan 2024 14:56



Tgt Ion: 69 Resp: 3012
 Ion Ratio Lower Upper
 69 100
 41 2900.0 39.6 59.4#
 39 1191.5 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.370 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

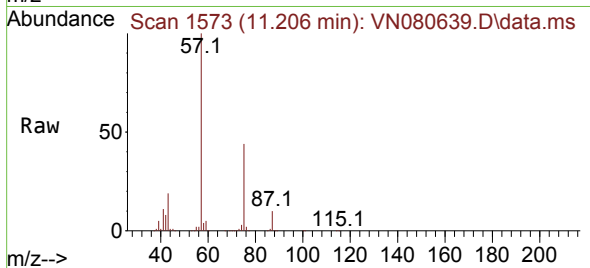
Lab File: VN080639.D

Acq: 03 Jan 2024 14:56

Instrument :

MSVOA_N

ClientSampleId :

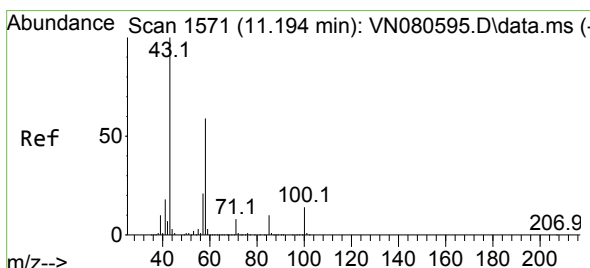
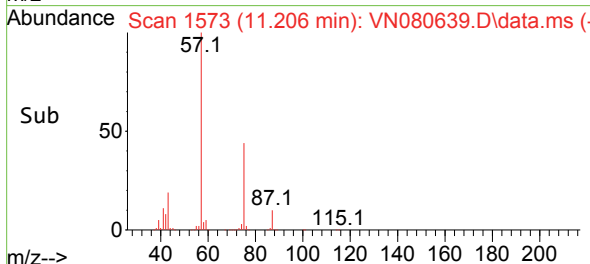
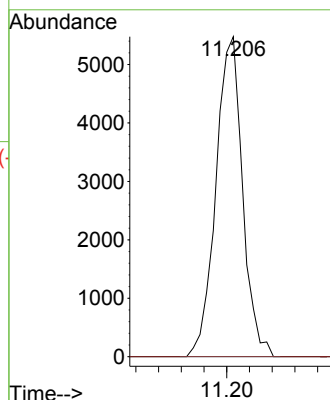


Tgt Ion: 76 Resp: 8916

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 47.847 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN080639.D

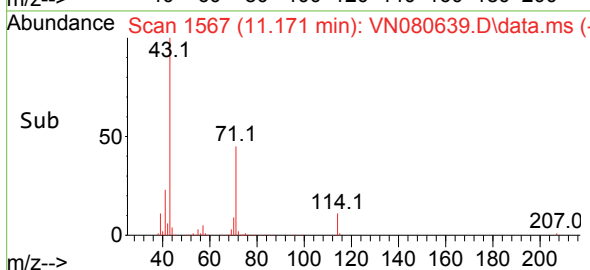
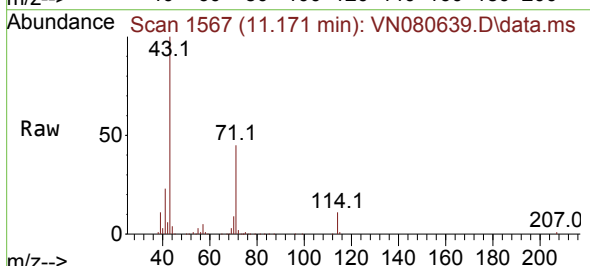
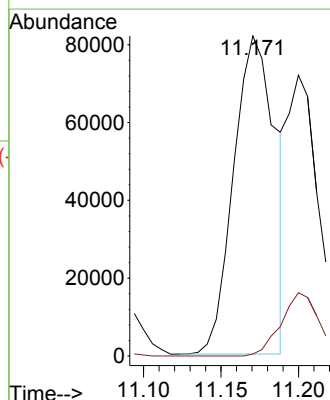
Acq: 03 Jan 2024 14:56

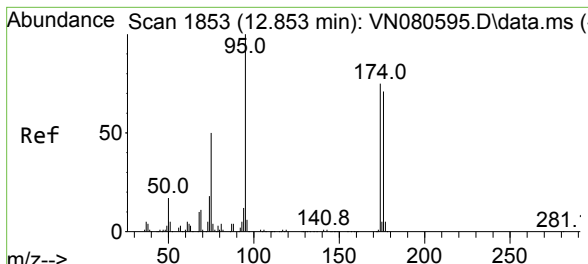
Tgt Ion: 43 Resp: 152769

Ion Ratio Lower Upper

43 100

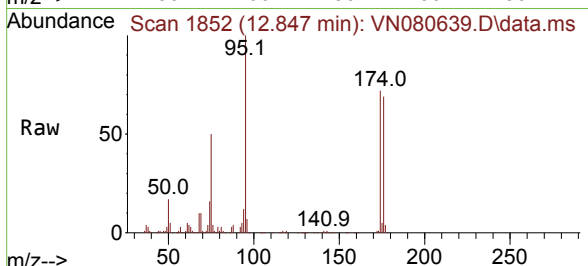
58 0.0 31.7 95.1#



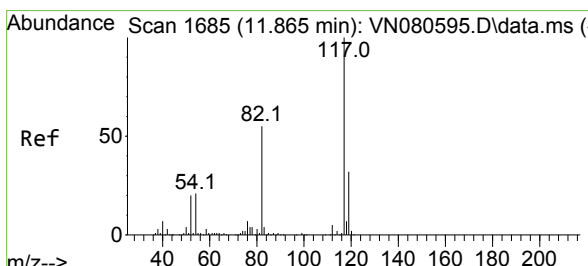
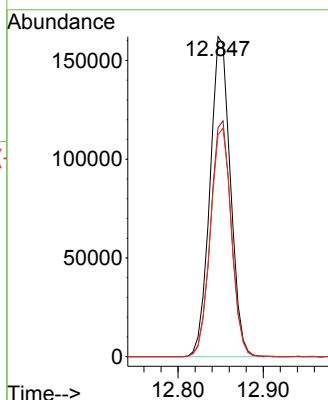
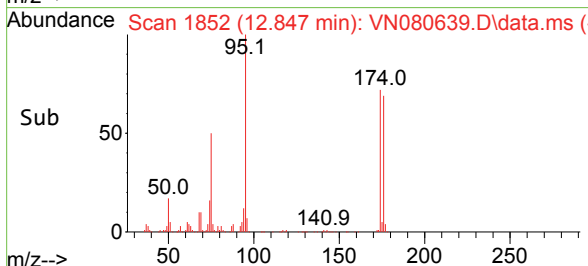


#62
4-Bromofluorobenzene
Concen: 57.911 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN080639.D
Acq: 03 Jan 2024 14:56

Instrument :
MSVOA_N
ClientSampleId :

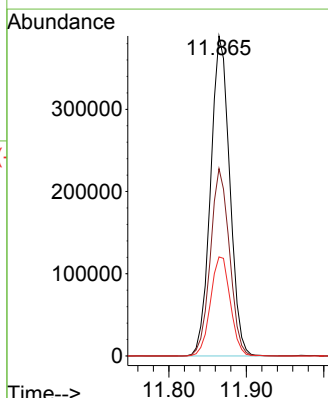
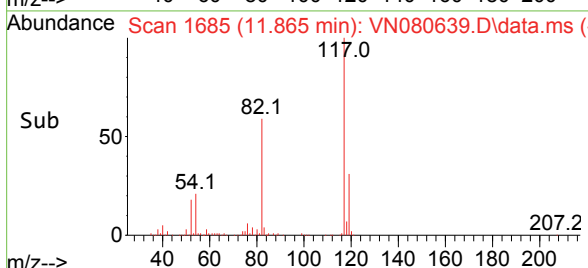
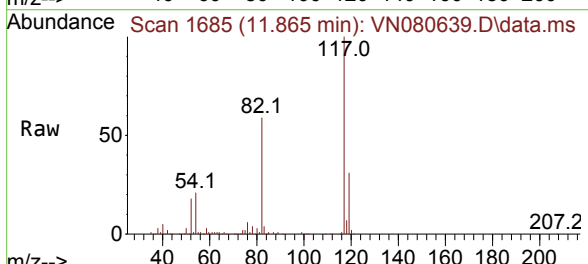


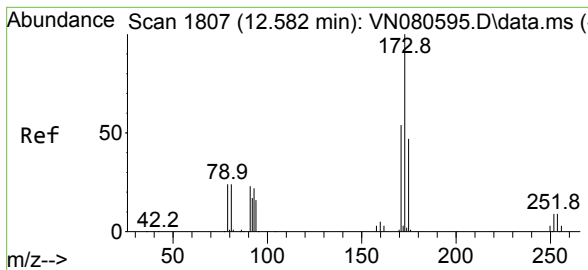
Tgt Ion:	95	Resp:	269271
Ion Ratio	Lower	Upper	
95	100		
174	74.9	0.0	143.8
176	73.4	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080639.D
Acq: 03 Jan 2024 14:56

Tgt Ion:	117	Resp:	667164
Ion Ratio	Lower	Upper	
117	100		
82	58.5	44.0	66.0
119	30.9	25.6	38.4

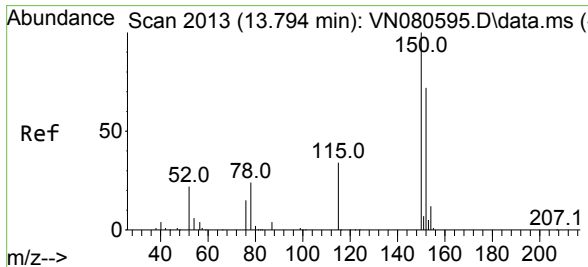
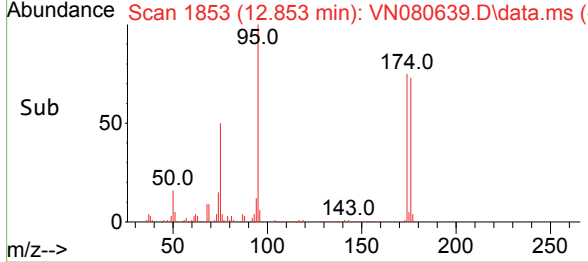
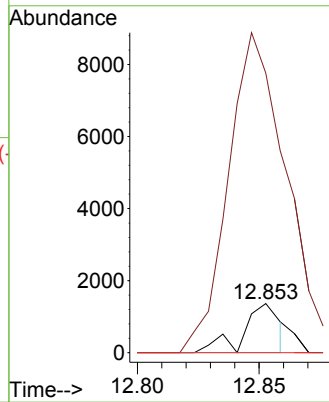
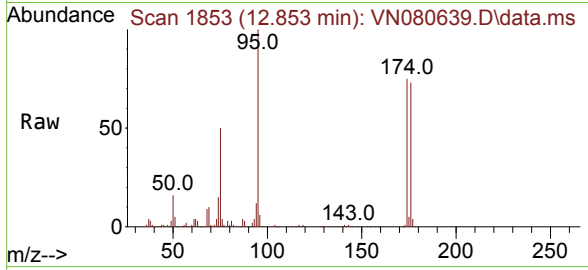




#71
Bromoform
Concen: 0.377 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.271 min
Lab File: VN080639.D
Acq: 03 Jan 2024 14:56

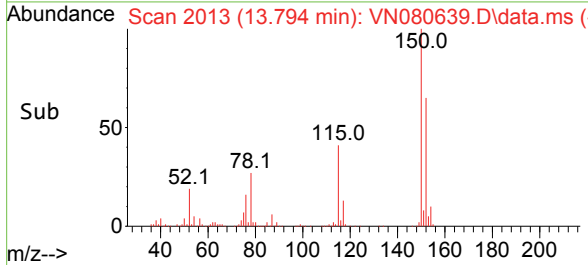
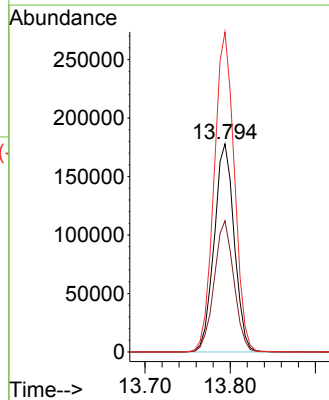
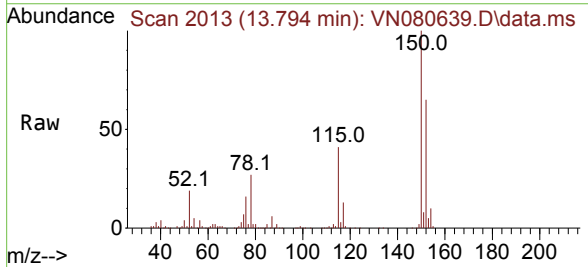
Instrument :
MSVOA_N
ClientSampleId :

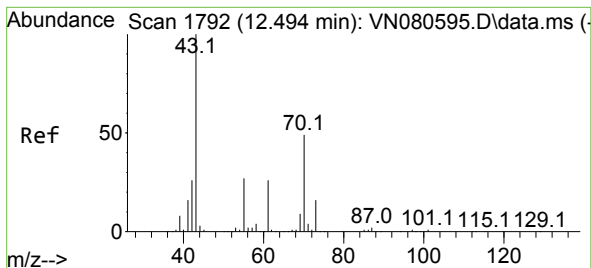
Tgt Ion:173 Resp: 1422
Ion Ratio Lower Upper
173 100
175 858.9 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080639.D
Acq: 03 Jan 2024 14:56

Tgt Ion:152 Resp: 290482
Ion Ratio Lower Upper
152 100
115 62.1 32.3 96.8
150 155.2 0.0 355.8





#74

N-ethyl acetate

Concen: 0.596 ug/l

RT: 12.459 min Scan# 1

Delta R.T. -0.035 min

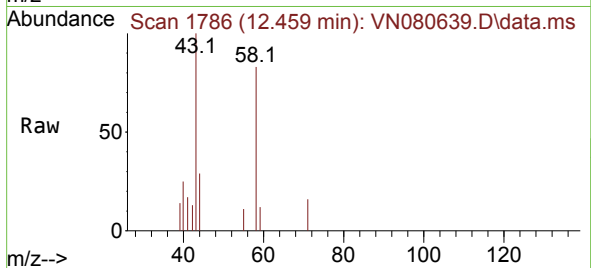
Lab File: VN080639.D

Acq: 03 Jan 2024 14:56

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 4177

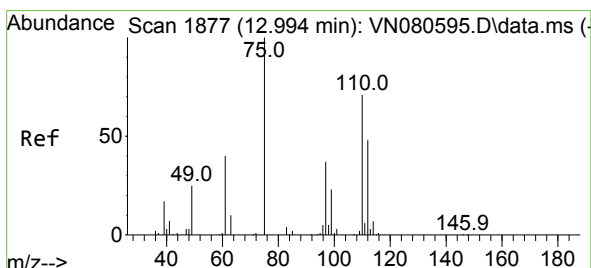
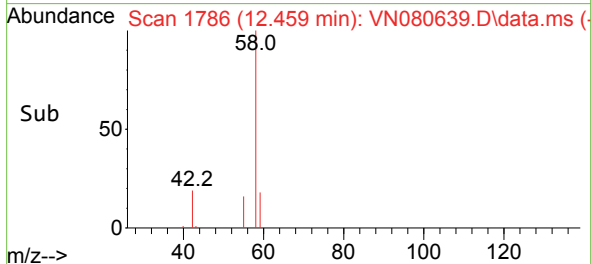
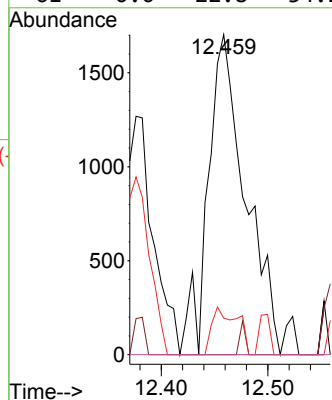
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 10.1 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 21.950 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080639.D

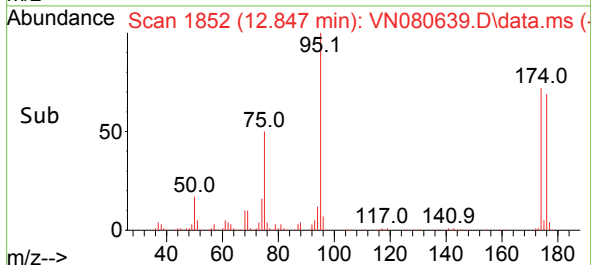
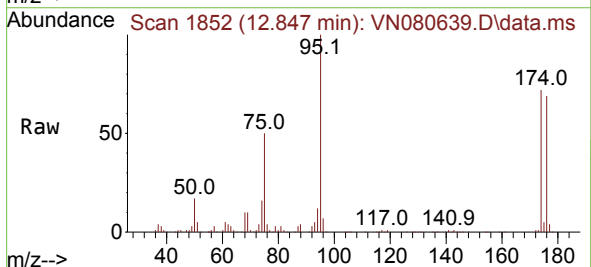
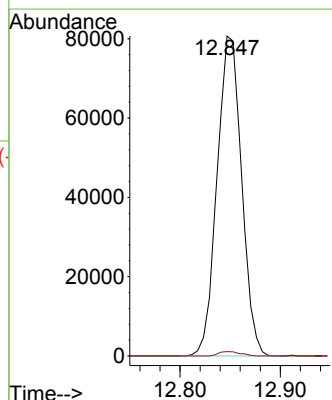
Acq: 03 Jan 2024 14:56

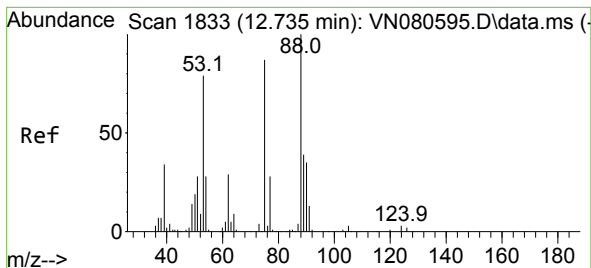
Tgt Ion: 75 Resp: 137139

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#

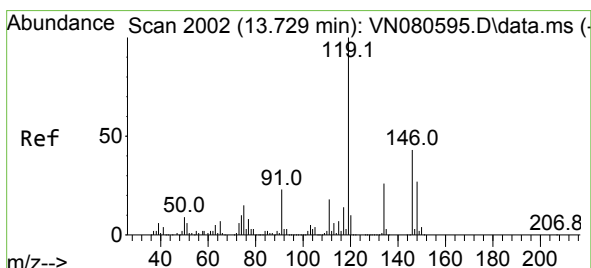
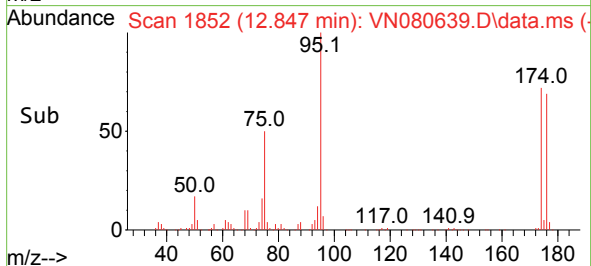
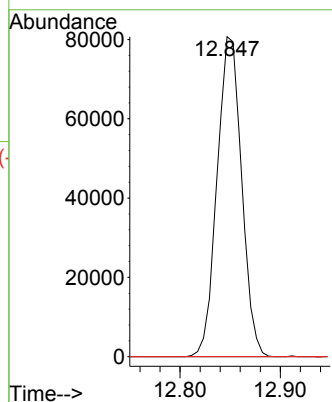
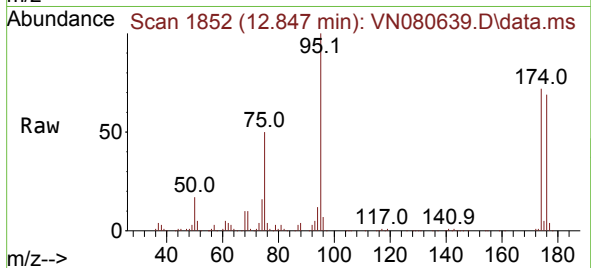




#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.457 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080639.D
 Acq: 03 Jan 2024 14:56

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 137139
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#



#86
 p-Isopropyltoluene
 Concen: 0.459 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.059 min
 Lab File: VN080639.D
 Acq: 03 Jan 2024 14:56

Tgt Ion: 119 Resp: 76
 Ion Ratio Lower Upper
 119 100
 134 265.8 12.6 37.8#
 91 900.0 12.4 37.2#

