

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010324\
 Data File : VN080643.D
 Acq On : 03 Jan 2024 16:31
 Operator : JC\MD
 Sample : P1003-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 04 02:01:46 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)

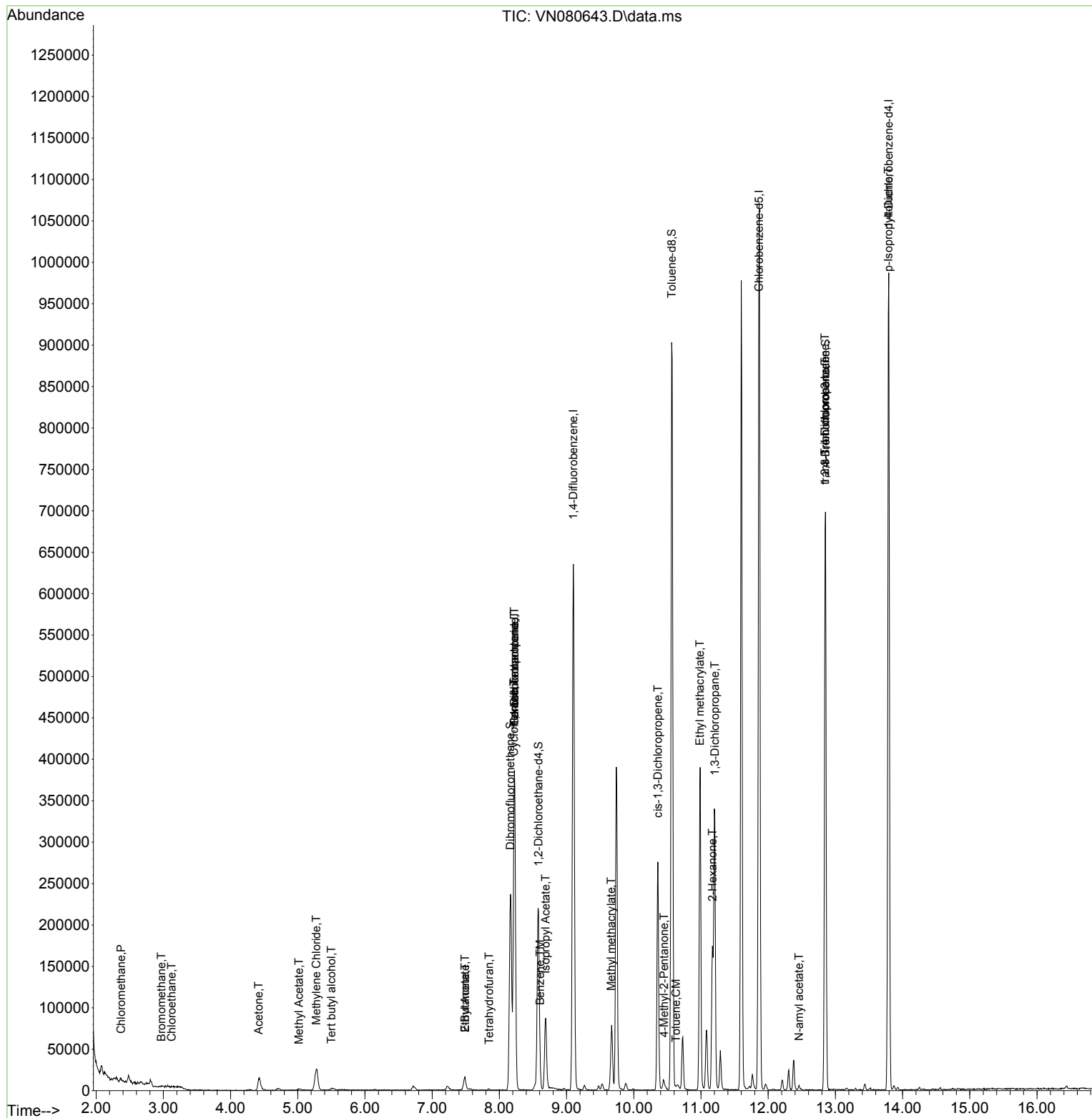
Internal Standards						
1) Pentafluorobenzene	8.224	168	285909	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	561851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	627505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	274656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	185694	50.633	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.260%	
35) Dibromofluoromethane	8.165	113	173278	47.685	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.380%	
50) Toluene-d8	10.565	98	653599	51.515	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.040%	
62) 4-Bromofluorobenzene	12.853	95	258157	60.459	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 120.920%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	5557	0.690	ug/l	90
5) Bromomethane	2.971	94	725	0.540	ug/l #	42
6) Chloroethane	3.124	64	1067	0.484	ug/l #	43
11) Tert butyl alcohol	5.500	59	1465	2.969	ug/l	95
16) Acetone	4.418	43	27329	27.413	ug/l	99
18) Methyl Acetate	5.018	43	2947	0.533	ug/l #	84
20) Methylene Chloride	5.277	84	21205	6.666	ug/l	90
25) 2-Butanone	7.488	43	24004	12.883	ug/l	92
29) Tetrahydrofuran	7.847	42	639	0.526	ug/l #	48
31) Cyclohexane	8.218	56	5455	1.099	ug/l #	18
36) 1,1-Dichloropropene	8.224	75	21950	3.925	ug/l #	49
37) Ethyl Acetate	7.488	43	24004	5.688	ug/l #	64
38) Carbon Tetrachloride	8.224	117	30164	5.272	ug/l #	16
40) Benzene	8.606	78	5810	0.725	ug/l #	75
43) Isopropyl Acetate	8.688	43	97583	14.267	ug/l #	87
48) Methyl methacrylate	9.665	41	4100	1.080	ug/l #	30
51) 4-Methyl-2-Pentanone	10.453	43	10912	2.805	ug/l #	78
52) Toluene	10.629	92	1782	0.200	ug/l	82
54) cis-1,3-Dichloropropene	10.359	75	52738	8.720	ug/l #	62
56) Ethyl methacrylate	10.982	69	2314	0.670	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3855	0.645	ug/l #	42
59) 2-Hexanone	11.171	43	179298	61.150	ug/l #	19
74) N-amyl acetate	12.459	43	3181	0.480	ug/l #	40
76) 1,2,3-Trichloropropane	12.847	75	129976	22.002	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	129976	59.599	ug/l #	15
86) p-Isopropyltoluene	13.788	119	56	0.458	ug/l #	1

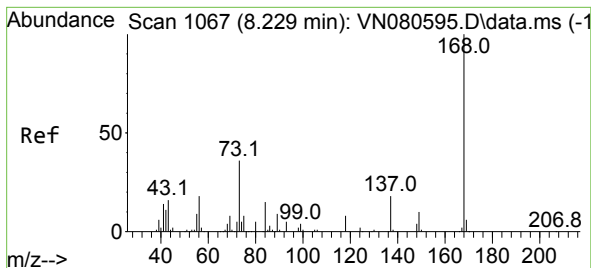
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN080643.D

Acq: 03 Jan 2024 16:31

Instrument :

MSVOA_N

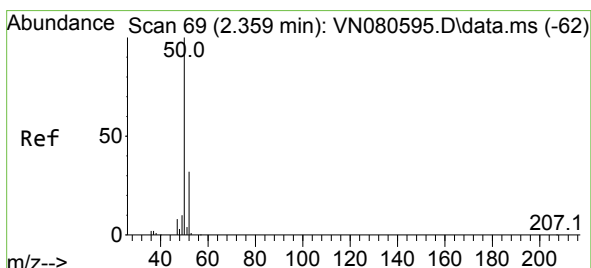
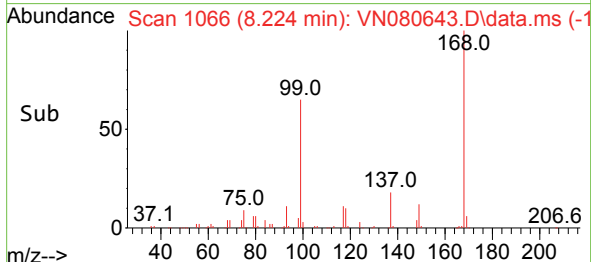
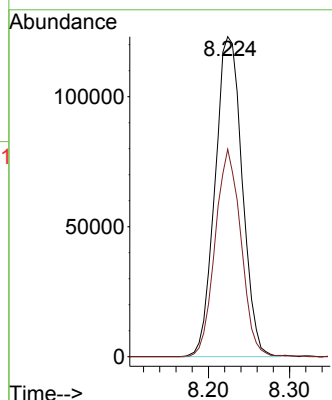
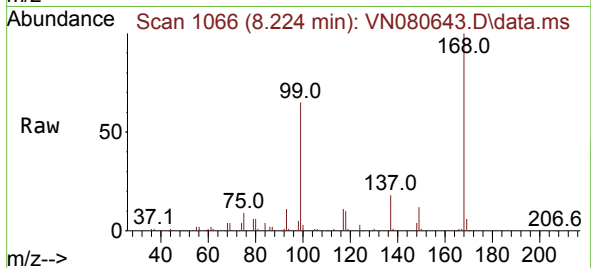
ClientSampleId :

Tgt Ion:168 Resp: 285909

Ion Ratio Lower Upper

168 100

99 64.8 53.0 79.6



#3

Chloromethane

Concen: 0.690 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.012 min

Lab File: VN080643.D

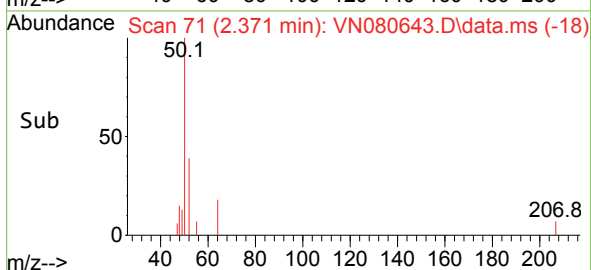
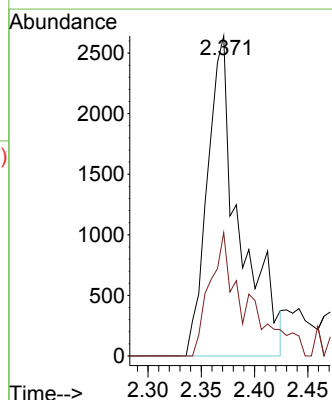
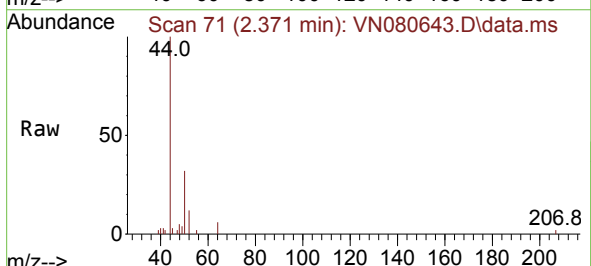
Acq: 03 Jan 2024 16:31

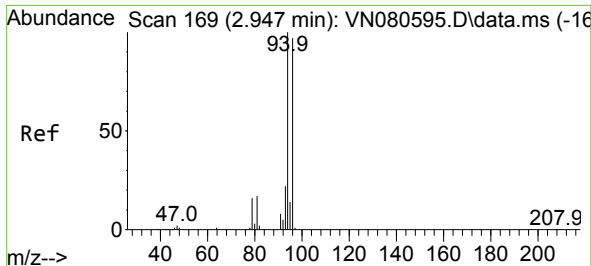
Tgt Ion: 50 Resp: 5557

Ion Ratio Lower Upper

50 100

52 38.5 26.5 39.7

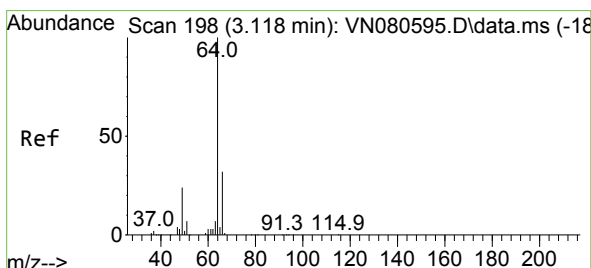
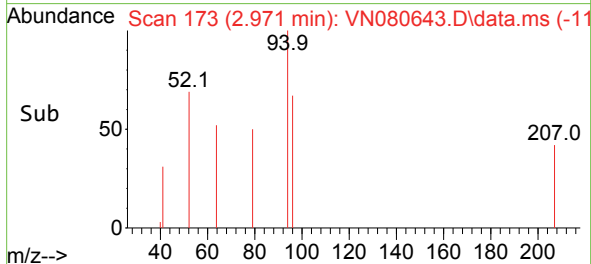
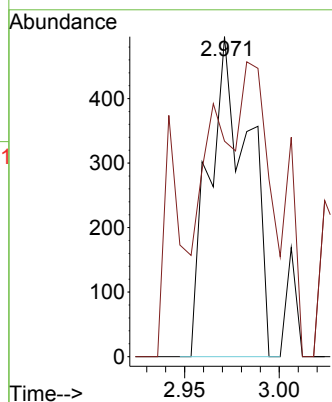
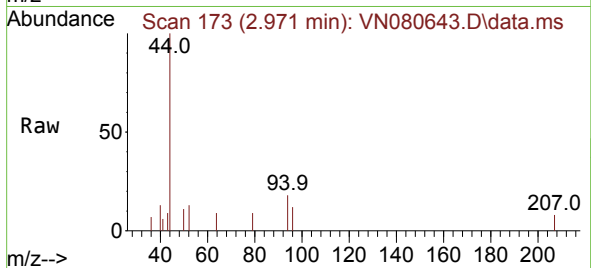




#5
Bromomethane
Concen: 0.540 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN080643.D
Acq: 03 Jan 2024 16:31

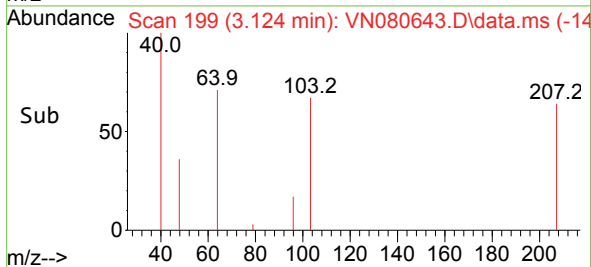
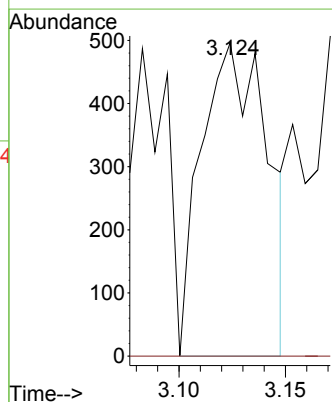
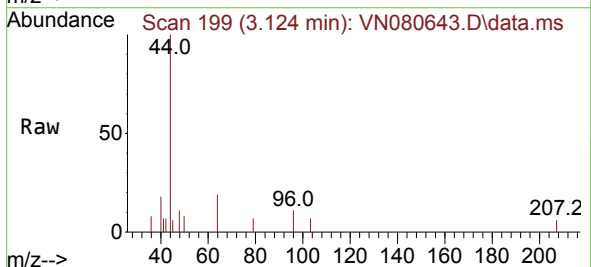
Instrument :
MSVOA_N
ClientSampleId :

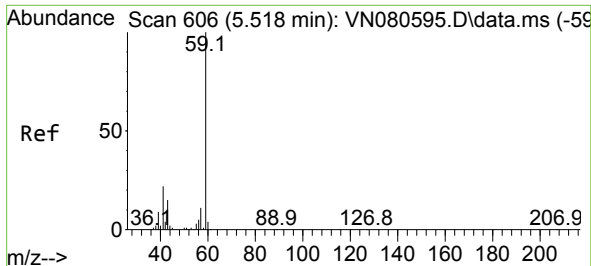
Tgt Ion: 94 Resp: 725
Ion Ratio Lower Upper
94 100
96 36.1 73.1 109.7#



#6
Chloroethane
Concen: 0.484 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN080643.D
Acq: 03 Jan 2024 16:31

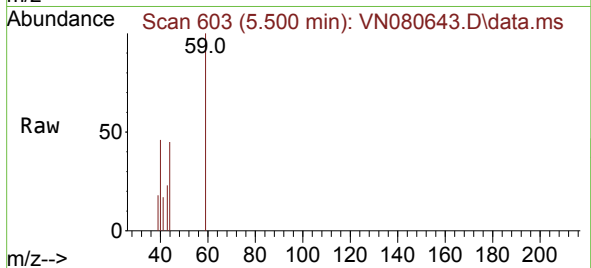
Tgt Ion: 64 Resp: 1067
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



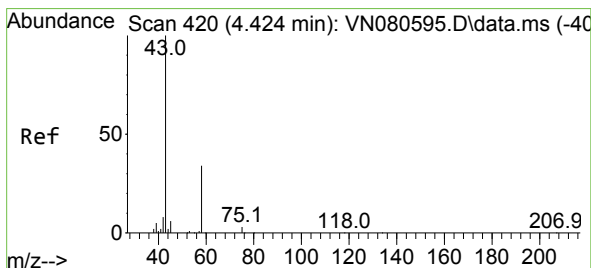
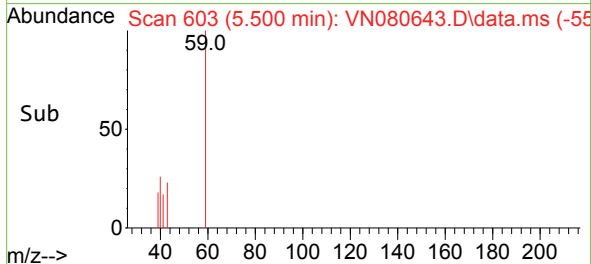
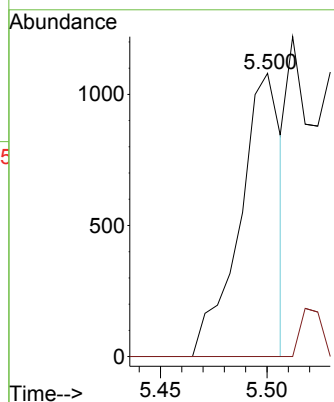


#11
Tert butyl alcohol
Concen: 2.969 ug/l
RT: 5.500 min Scan# 606
Delta R.T. -0.018 min
Lab File: VN080643.D
Acq: 03 Jan 2024 16:31

Instrument :
MSVOA_N
ClientSampleId :

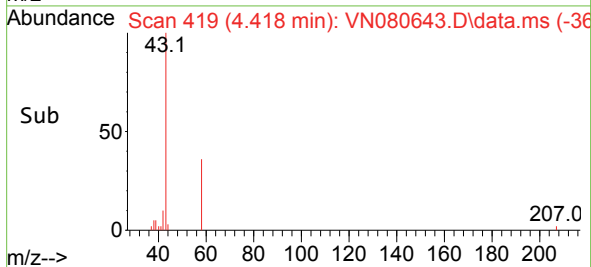
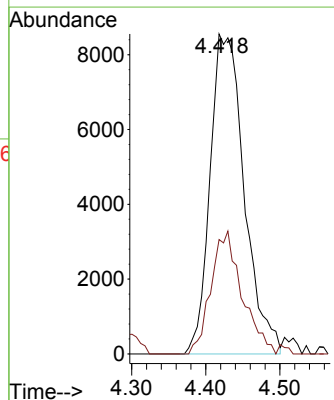
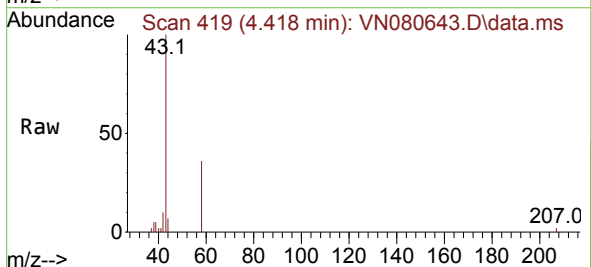


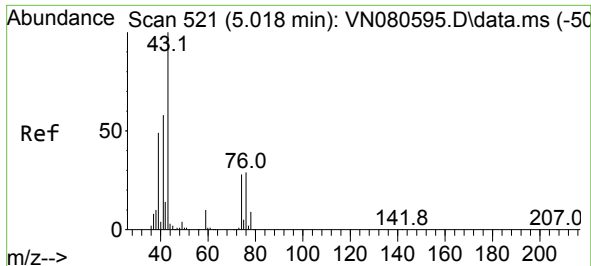
Tgt Ion: 59 Resp: 1465
Ion Ratio Lower Upper
59 100
57 8.5 8.2 12.4



#16
Acetone
Concen: 27.413 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN080643.D
Acq: 03 Jan 2024 16:31

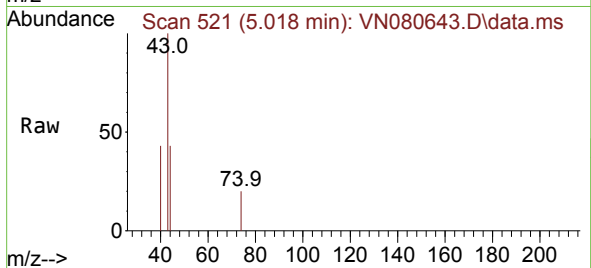
Tgt Ion: 43 Resp: 27329
Ion Ratio Lower Upper
43 100
58 35.8 28.0 42.0



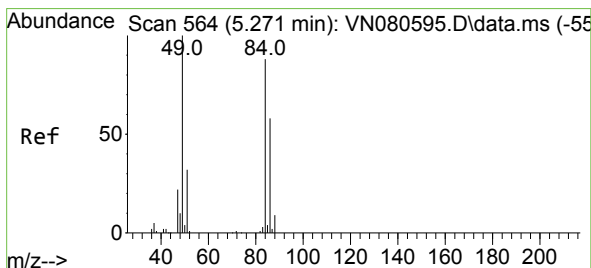
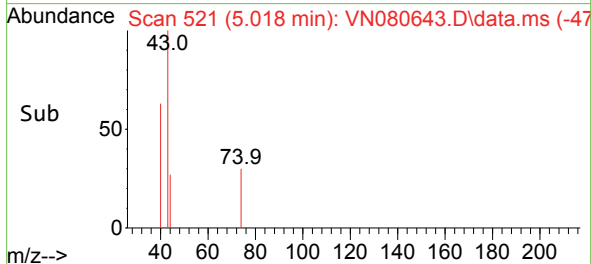
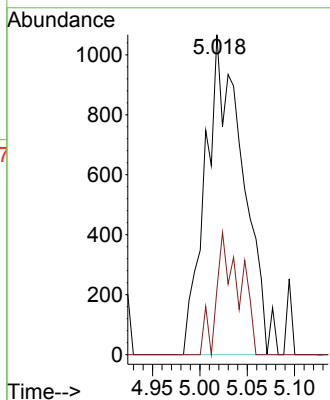


#18
Methyl Acetate
Concen: 0.533 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN080643.D
Acq: 03 Jan 2024 16:31

Instrument :
MSVOA_N
ClientSampleId :

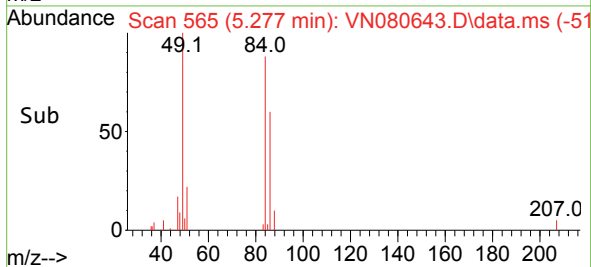
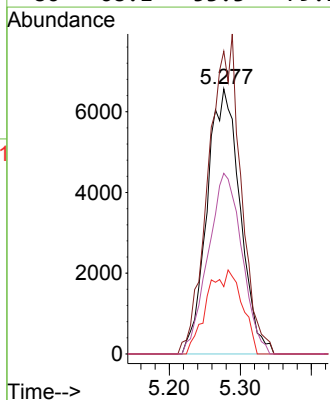
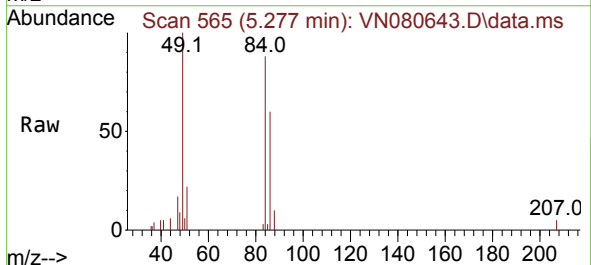


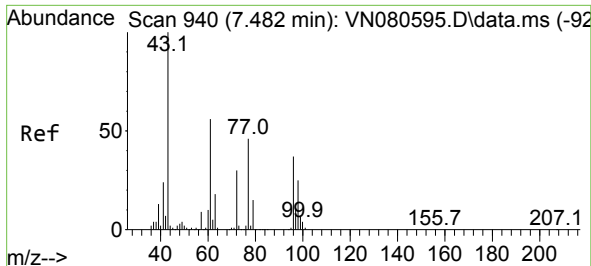
Tgt Ion: 43 Resp: 2947
Ion Ratio Lower Upper
43 100
74 23.9 26.2 39.4#



#20
Methylene Chloride
Concen: 6.666 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN080643.D
Acq: 03 Jan 2024 16:31

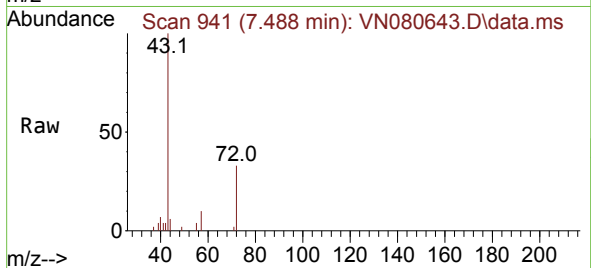
Tgt Ion: 84 Resp: 21205
Ion Ratio Lower Upper
84 100
49 114.2 79.7 119.5
51 25.4 25.2 37.8
86 68.1 53.3 79.9



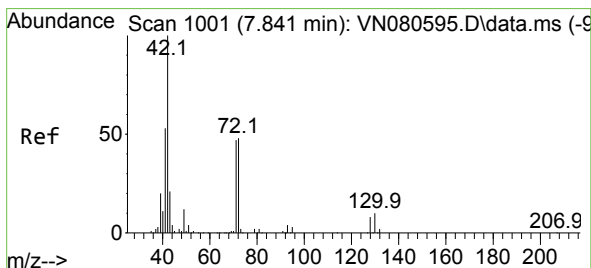
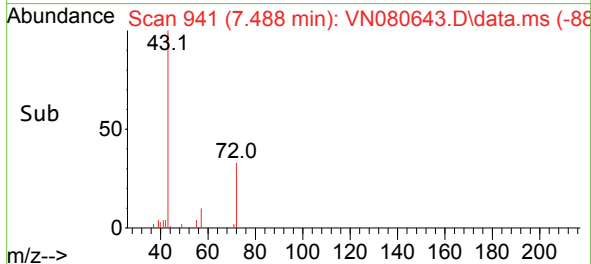
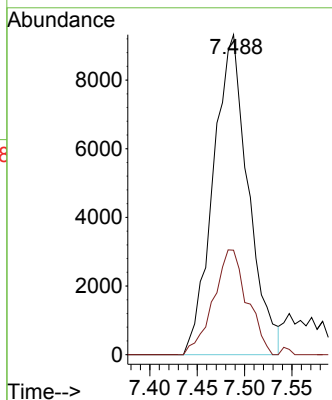


#25
2-Butanone
Concen: 12.883 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080643.D
Acq: 03 Jan 2024 16:31

Instrument :
MSVOA_N
ClientSampleId :

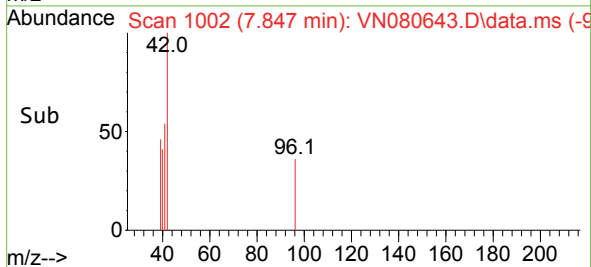
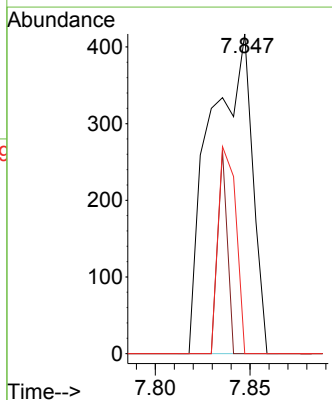
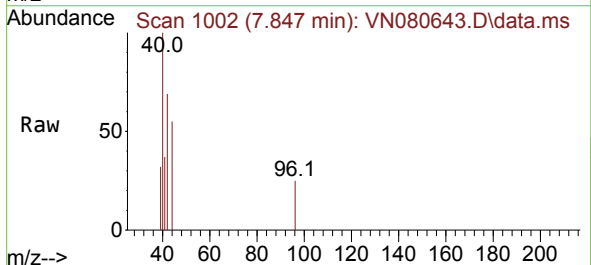


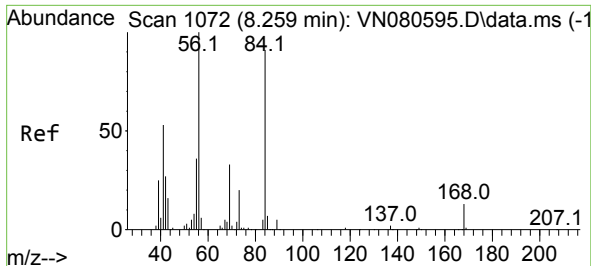
Tgt Ion: 43 Resp: 24004
Ion Ratio Lower Upper
43 100
72 32.6 30.2 45.2



#29
Tetrahydrofuran
Concen: 0.526 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VN080643.D
Acq: 03 Jan 2024 16:31

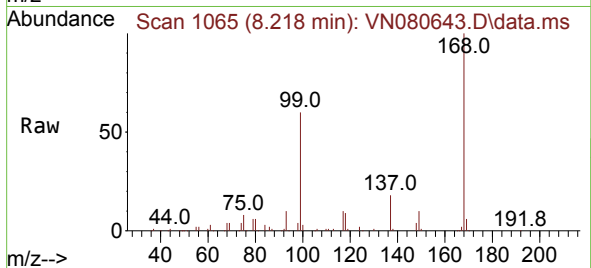
Tgt Ion: 42 Resp: 639
Ion Ratio Lower Upper
42 100
72 14.6 49.8 74.6#
71 27.7 47.4 71.2#



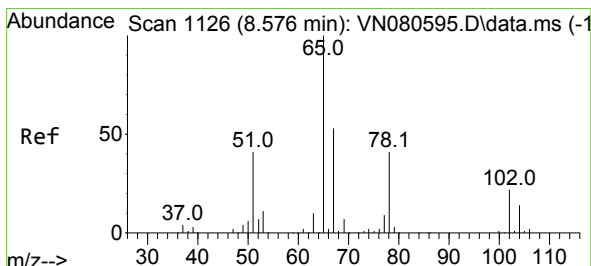
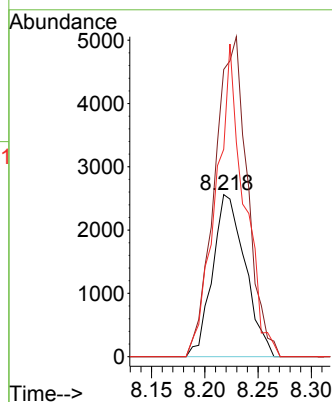
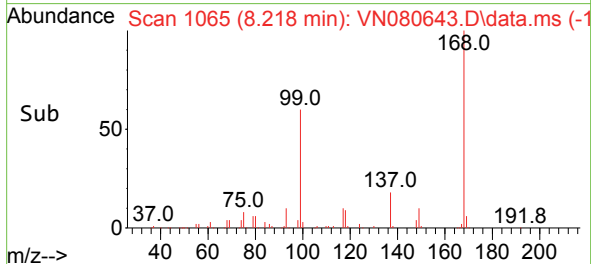


#31
Cyclohexane
Concen: 1.099 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN080643.D
Acq: 03 Jan 2024 16:31

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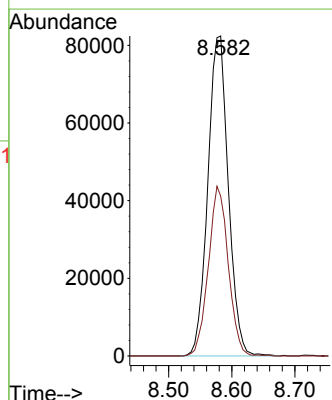
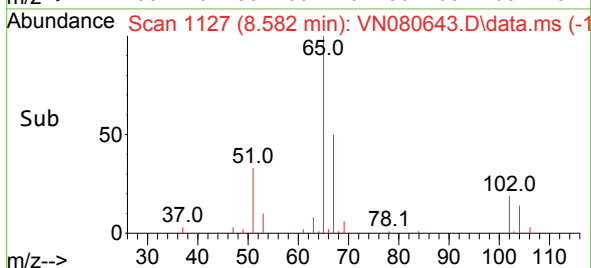
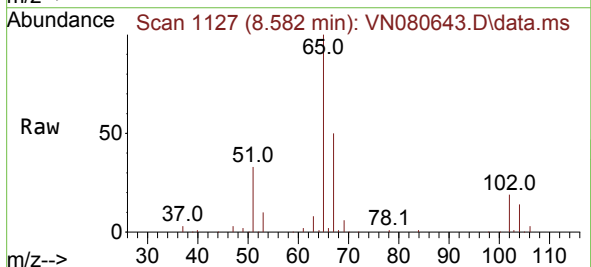


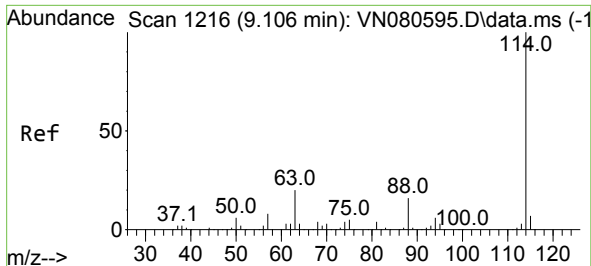
Tgt Ion: 56 Resp: 5455
Ion Ratio Lower Upper
56 100
69 177.2 26.8 40.2#
84 128.0 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 50.633 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN080643.D
Acq: 03 Jan 2024 16:31

Tgt Ion: 65 Resp: 185694
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# 11

Delta R.T. -0.006 min

Lab File: VN080643.D

Acq: 03 Jan 2024 16:31

Instrument :

MSVOA_N

ClientSampleId :

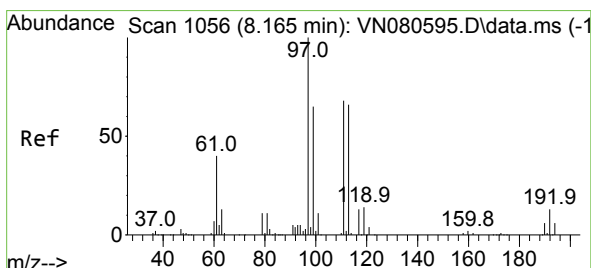
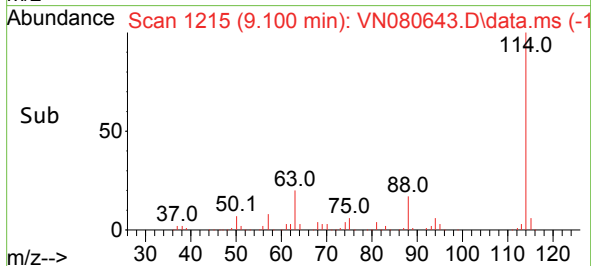
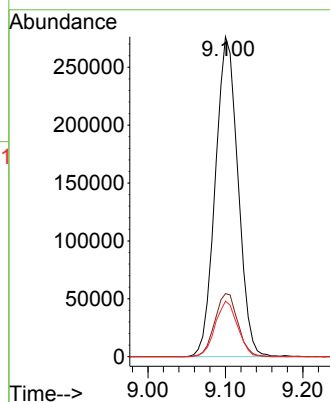
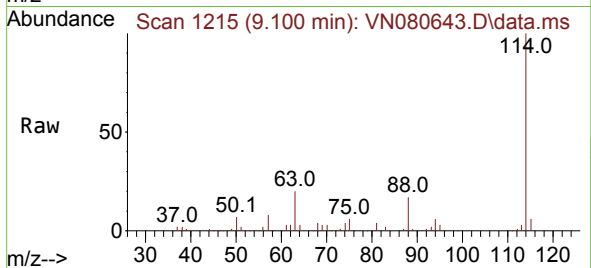
Tgt Ion:114 Resp: 561851

Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.4

88 17.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.685 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN080643.D

Acq: 03 Jan 2024 16:31

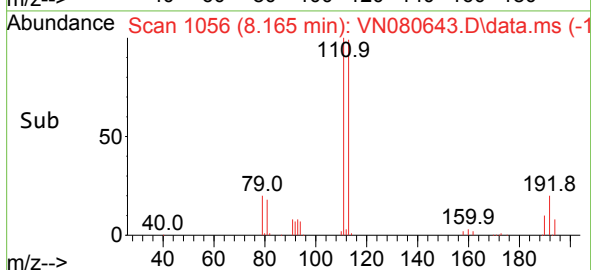
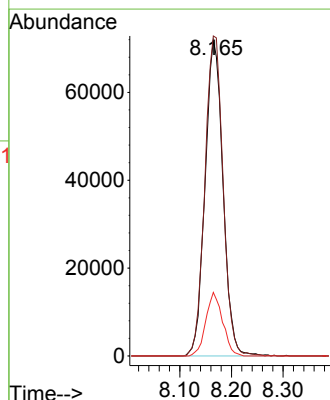
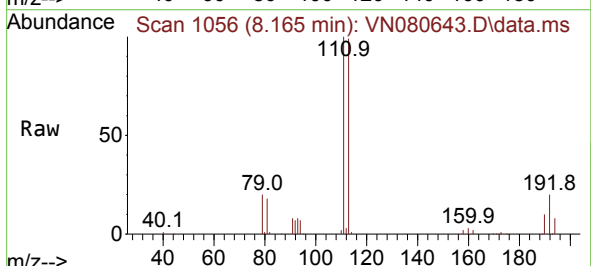
Tgt Ion:113 Resp: 173278

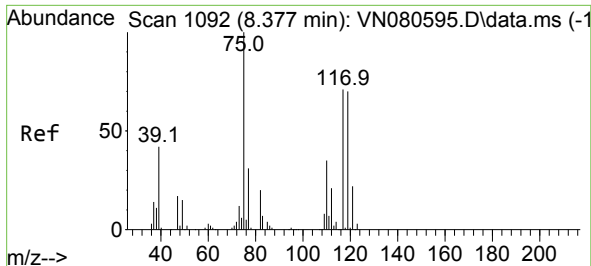
Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

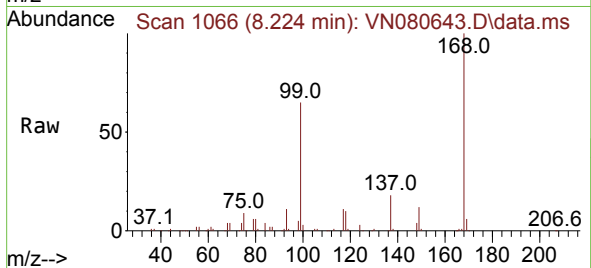
192 18.9 12.7 19.1



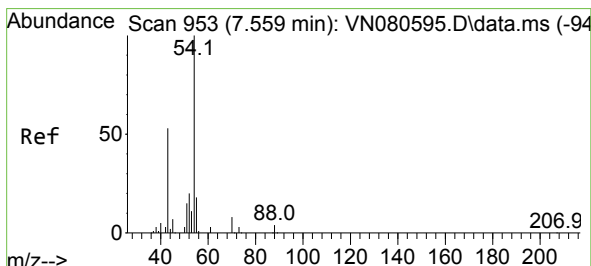
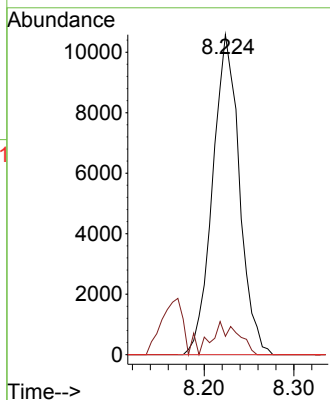
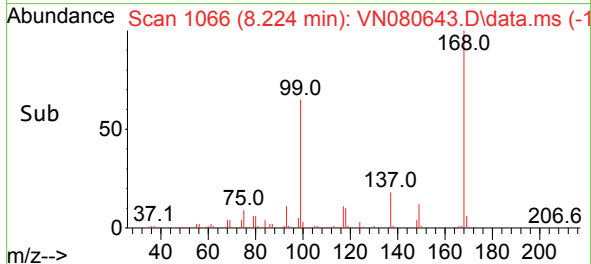


#36
1,1-Dichloropropene
Concen: 3.925 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080643.D
Acq: 03 Jan 2024 16:31

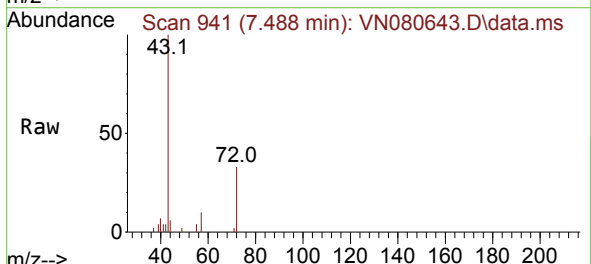
Instrument :
MSVOA_N
ClientSampleId :



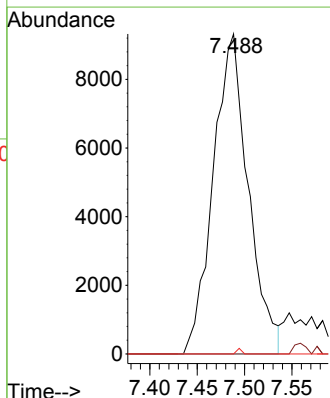
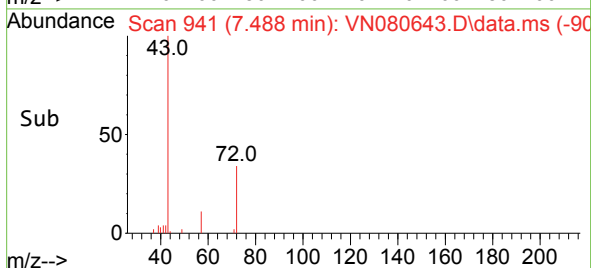
Tgt Ion: 75 Resp: 21950
Ion Ratio Lower Upper
75 100
110 9.8 19.1 57.3#
77 0.0 25.0 37.4#

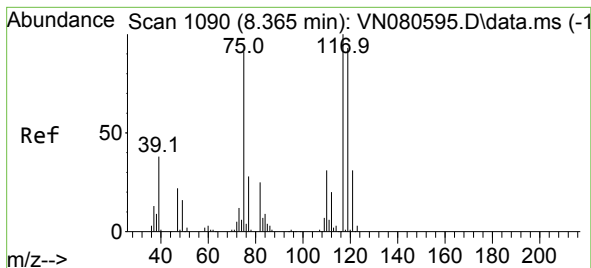


#37
Ethyl Acetate
Concen: 5.688 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.071 min
Lab File: VN080643.D
Acq: 03 Jan 2024 16:31



Tgt Ion: 43 Resp: 24004
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 0.2 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.272 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. -0.141 min

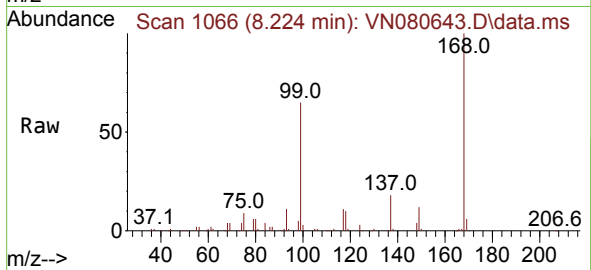
Lab File: VN080643.D

Acq: 03 Jan 2024 16:31

Instrument :

MSVOA_N

ClientSampleId :



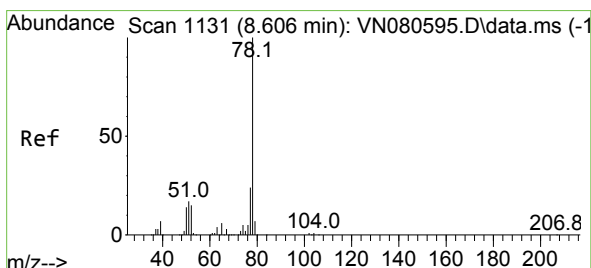
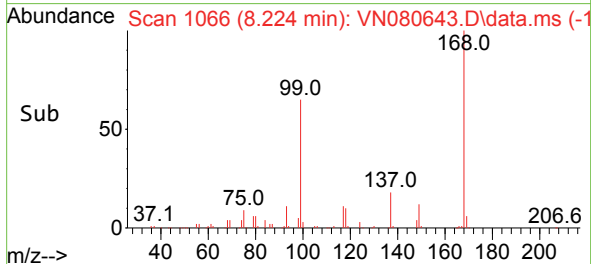
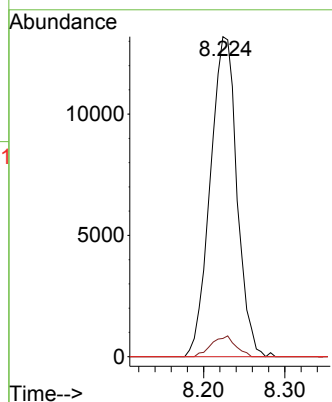
Tgt Ion:117 Resp: 30164

Ion Ratio Lower Upper

117 100

119 5.7 77.3 115.9#

121 0.0 23.3 34.9#



#40

Benzene

Concen: 0.725 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN080643.D

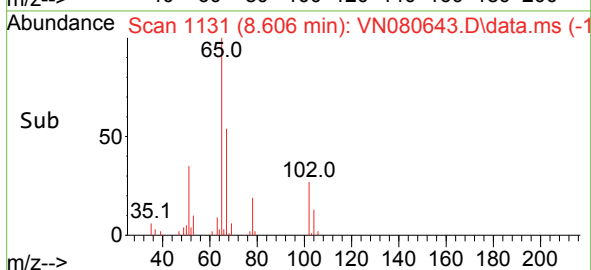
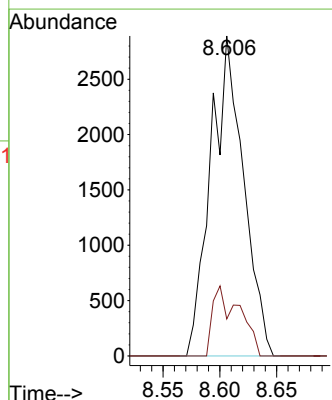
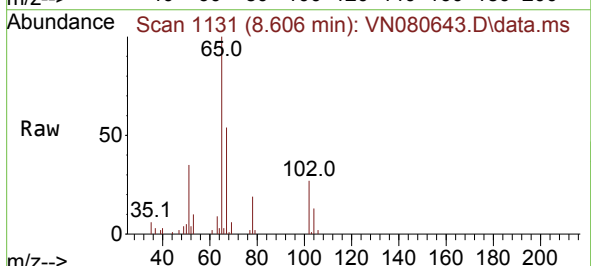
Acq: 03 Jan 2024 16:31

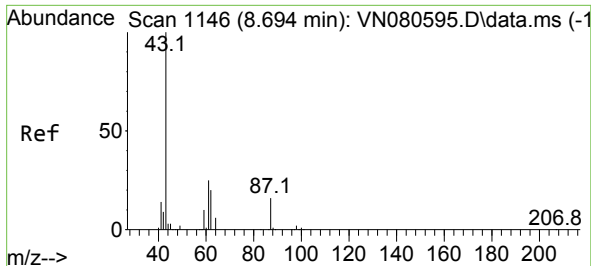
Tgt Ion: 78 Resp: 5810

Ion Ratio Lower Upper

78 100

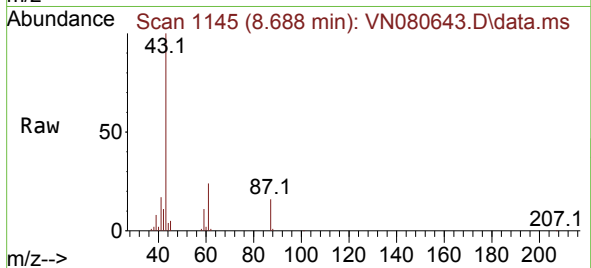
77 11.6 19.0 28.6#



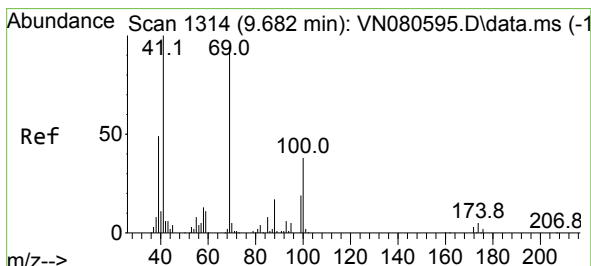
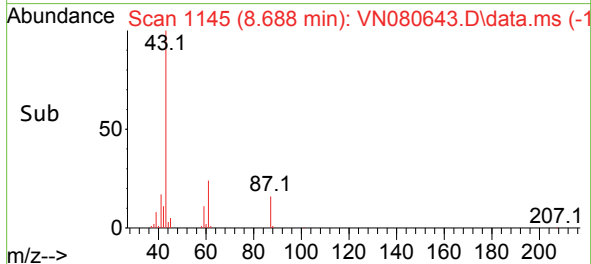
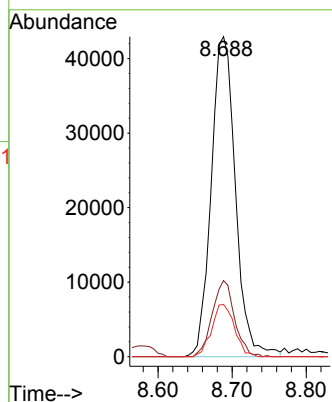


#43
Isopropyl Acetate
Concen: 14.267 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN080643.D
Acq: 03 Jan 2024 16:31

Instrument :
MSVOA_N
ClientSampleId :

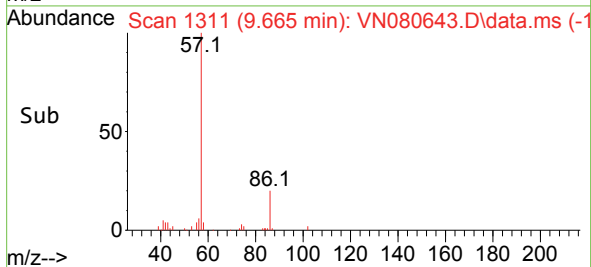
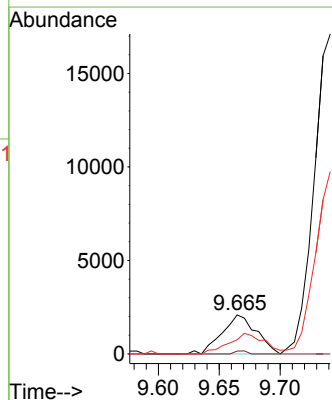
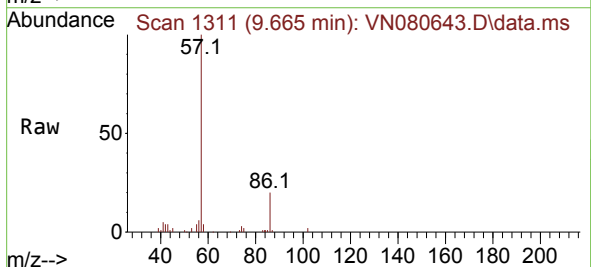


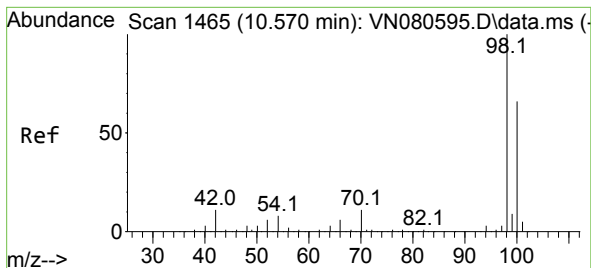
Tgt Ion: 43 Resp: 97583
Ion Ratio Lower Upper
43 100
61 21.9 24.7 37.1#
87 15.4 14.6 21.8



#48
Methyl methacrylate
Concen: 1.080 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN080643.D
Acq: 03 Jan 2024 16:31

Tgt Ion: 41 Resp: 4100
Ion Ratio Lower Upper
41 100
69 2.8 90.4 135.6#
39 54.4 54.6 81.8#





#50

Toluene-d8

Concen: 51.515 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN080643.D

Acq: 03 Jan 2024 16:31

Instrument :

MSVOA_N

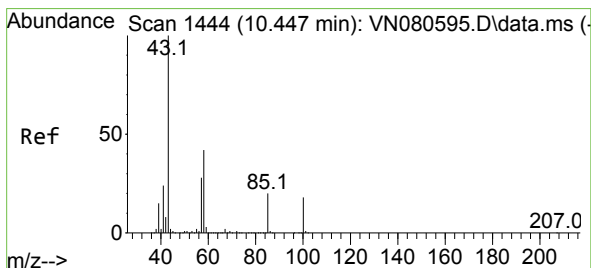
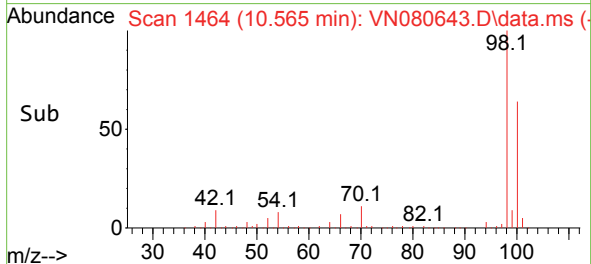
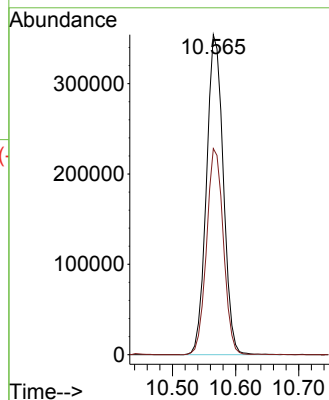
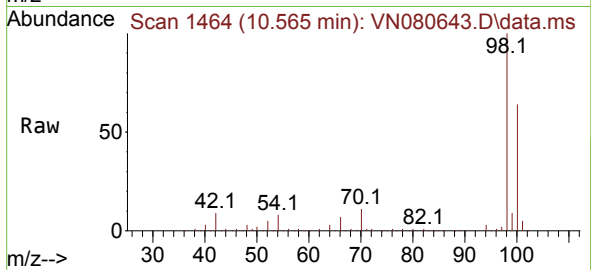
ClientSampleId :

Tgt Ion: 98 Resp: 653599

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 2.805 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.006 min

Lab File: VN080643.D

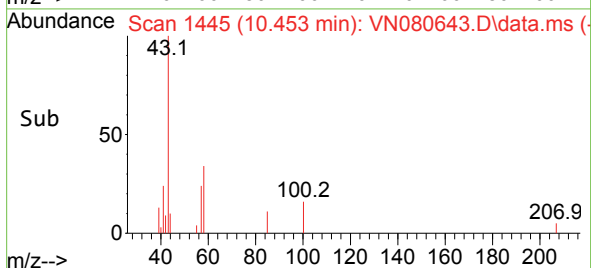
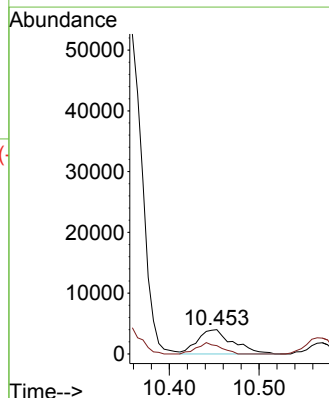
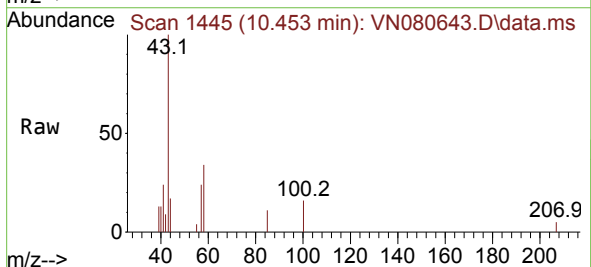
Acq: 03 Jan 2024 16:31

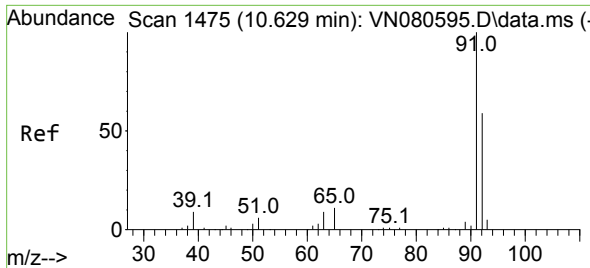
Tgt Ion: 43 Resp: 10912

Ion Ratio Lower Upper

43 100

58 31.2 36.6 54.8#

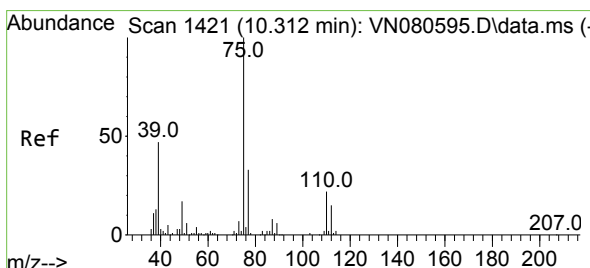
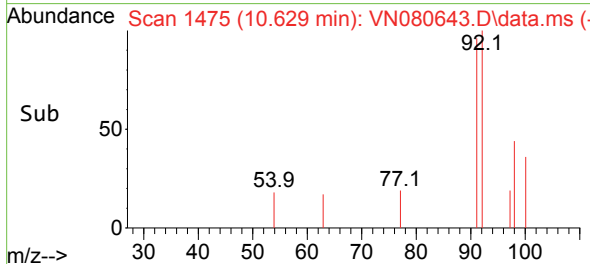
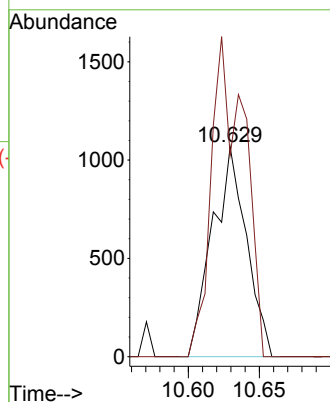
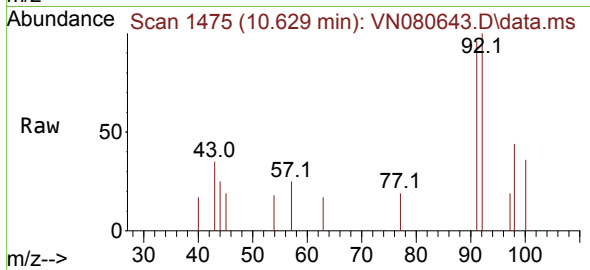




#52
Toluene
Concen: 0.200 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080643.D
Acq: 03 Jan 2024 16:31

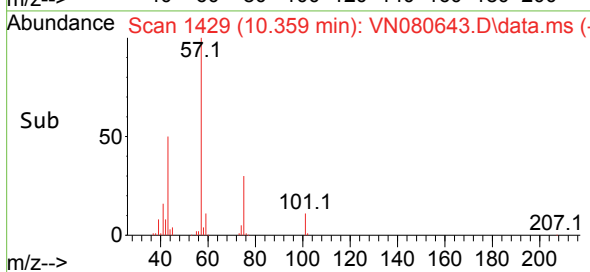
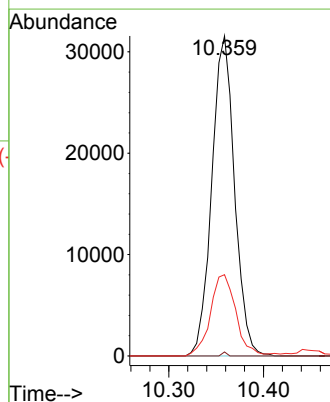
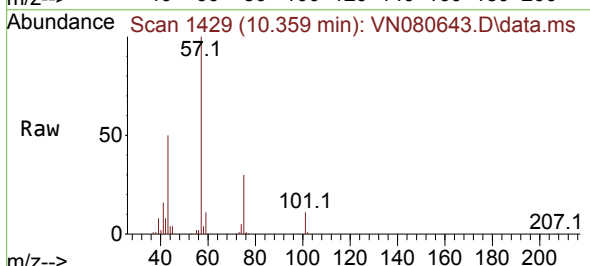
Instrument :
MSVOA_N
ClientSampleId :

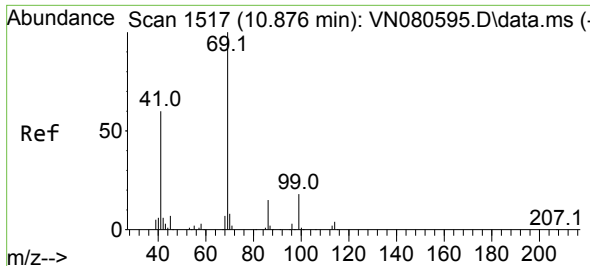
Tgt Ion: 92 Resp: 1782
Ion Ratio Lower Upper
92 100
91 147.5 137.4 206.0



#54
cis-1,3-Dichloropropene
Concen: 8.720 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080643.D
Acq: 03 Jan 2024 16:31

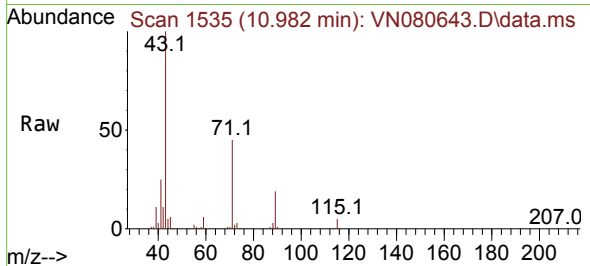
Tgt Ion: 75 Resp: 52738
Ion Ratio Lower Upper
75 100
77 1.3 26.1 39.1#
39 25.4 31.6 47.4#



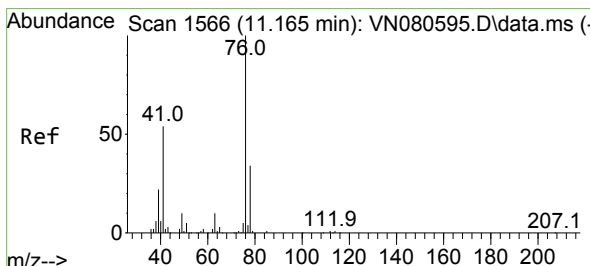
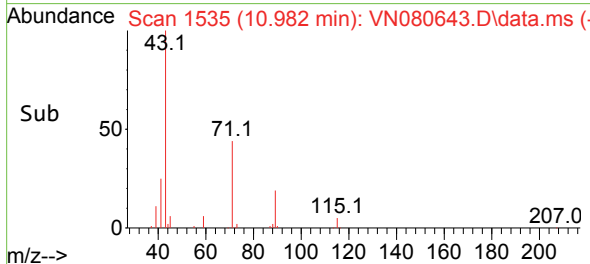
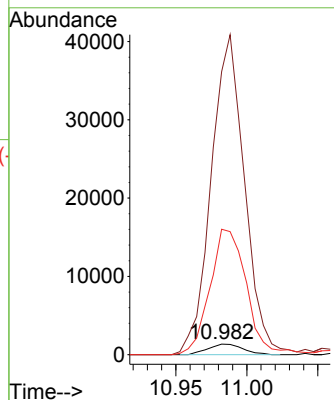


#56
Ethyl methacrylate
Concen: 0.670 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN080643.D
Acq: 03 Jan 2024 16:31

Instrument :
MSVOA_N
ClientSampleId :

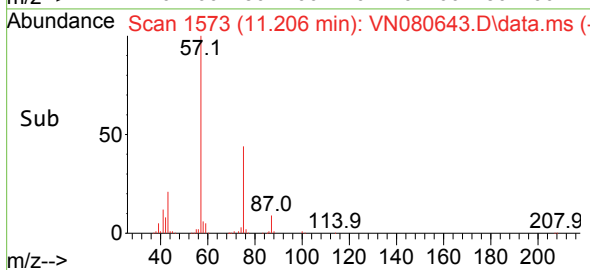
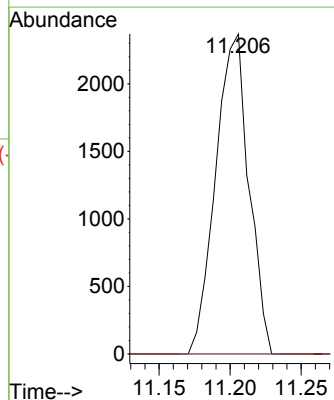
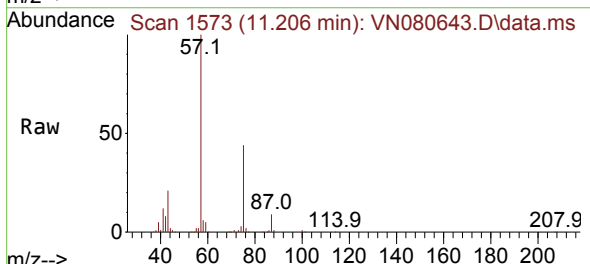


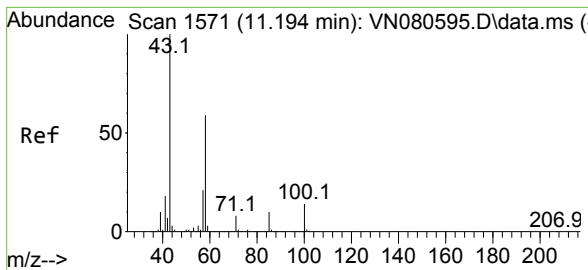
Tgt Ion: 69 Resp: 2314
Ion Ratio Lower Upper
69 100
41 2890.5 39.6 59.4#
39 1241.8 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 0.645 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080643.D
Acq: 03 Jan 2024 16:31

Tgt Ion: 76 Resp: 3855
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

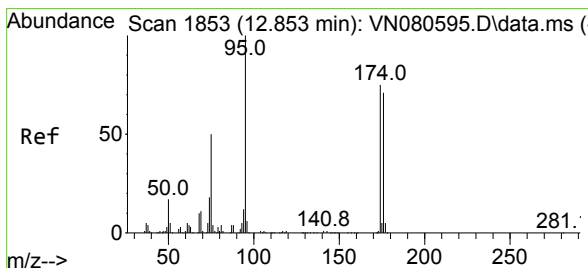
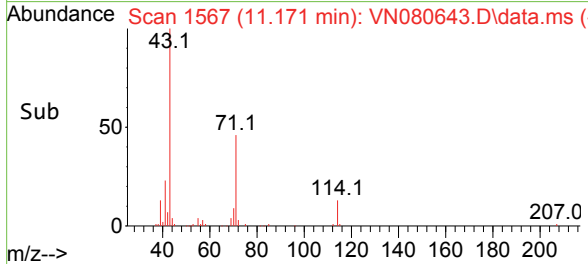
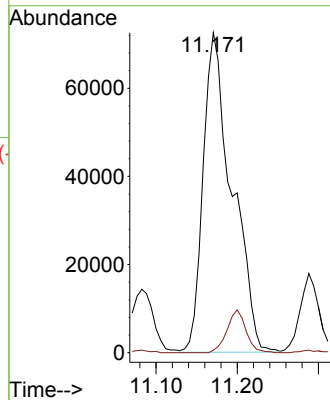
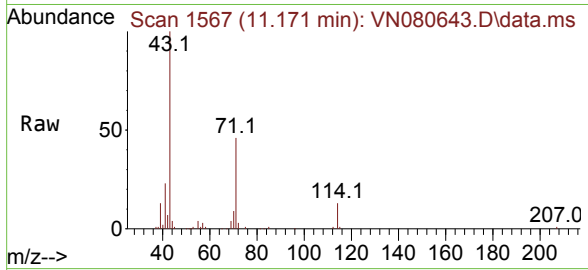




#59
2-Hexanone
Concen: 61.150 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN080643.D
Acq: 03 Jan 2024 16:31

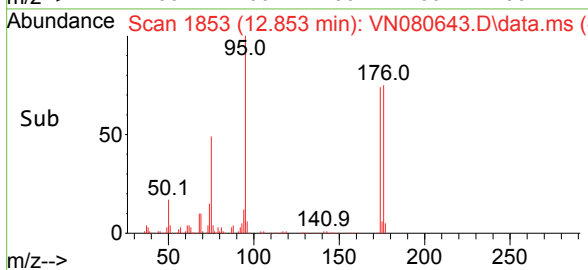
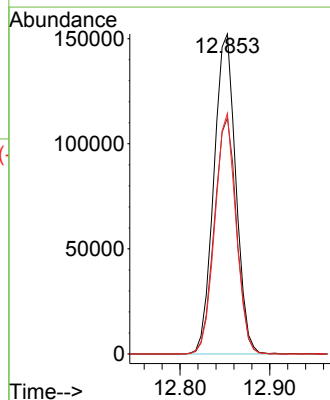
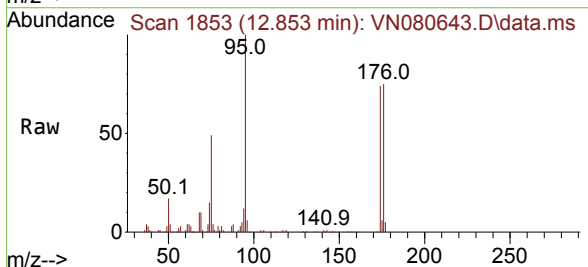
Instrument :
MSVOA_N
ClientSampleId :

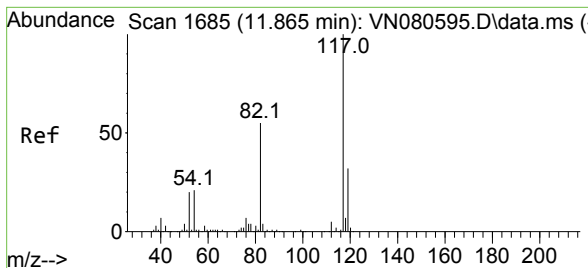
Tgt Ion: 43 Resp: 179298
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 60.459 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080643.D
Acq: 03 Jan 2024 16:31

Tgt Ion: 95 Resp: 258157
Ion Ratio Lower Upper
95 100
174 74.6 0.0 143.8
176 72.5 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080643.D

Acq: 03 Jan 2024 16:31

Instrument :

MSVOA_N

ClientSampleId :

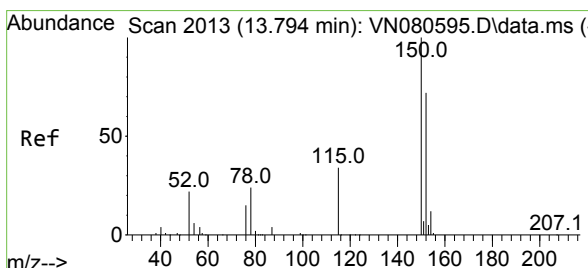
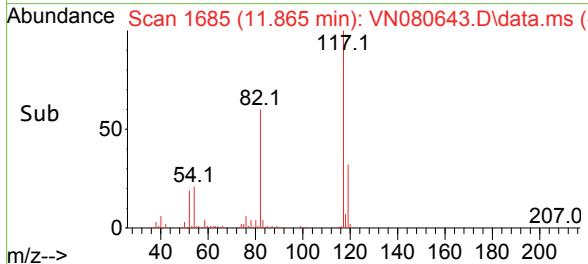
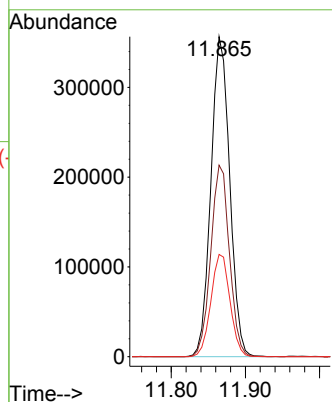
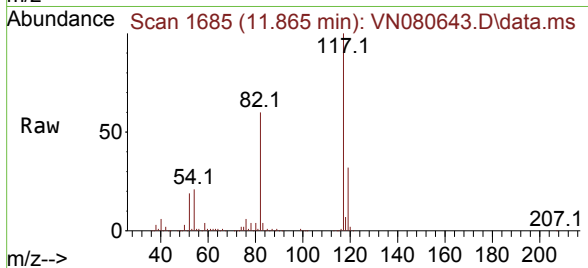
Tgt Ion:117 Resp: 627505

Ion Ratio Lower Upper

117 100

82 59.8 44.0 66.0

119 31.9 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN080643.D

Acq: 03 Jan 2024 16:31

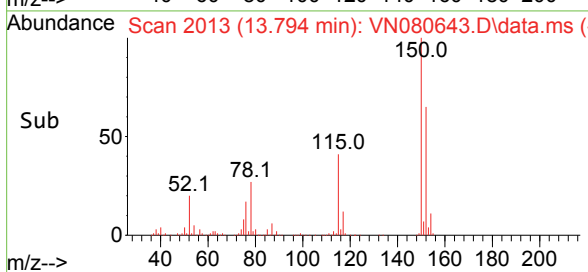
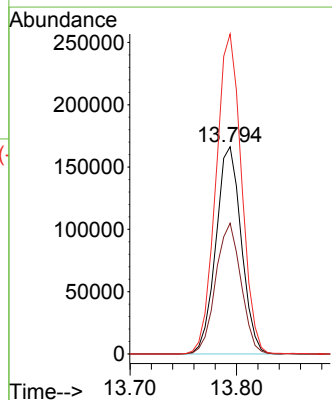
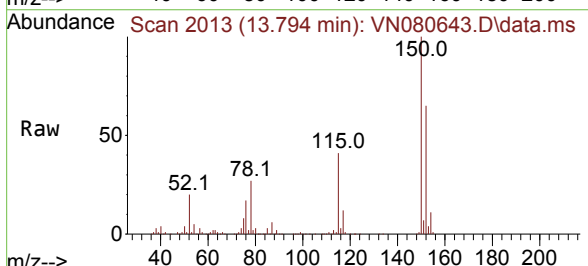
Tgt Ion:152 Resp: 274656

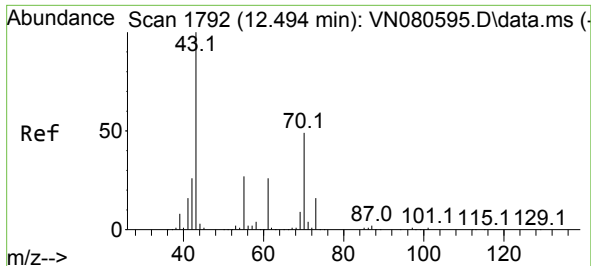
Ion Ratio Lower Upper

152 100

115 63.1 32.3 96.8

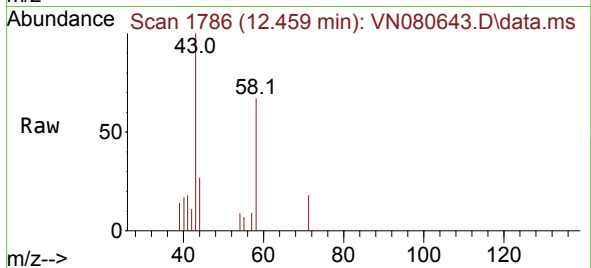
150 155.6 0.0 355.8



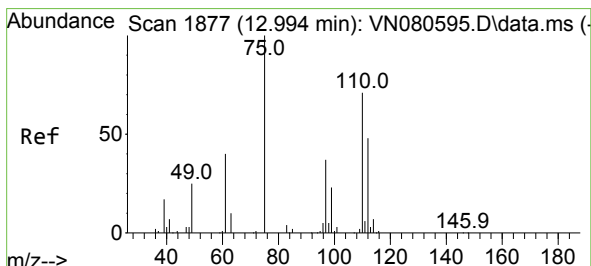
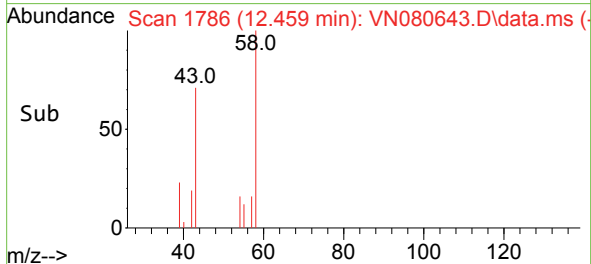
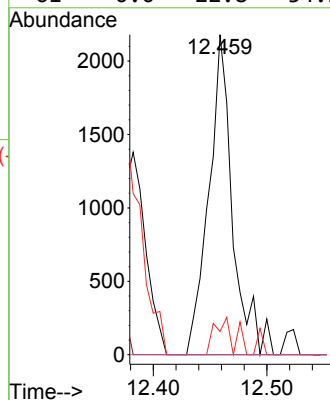


#74
N-amy1 acetate
Concen: 0.480 ug/l
RT: 12.459 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN080643.D
Acq: 03 Jan 2024 16:31

Instrument :
MSVOA_N
ClientSampleId :

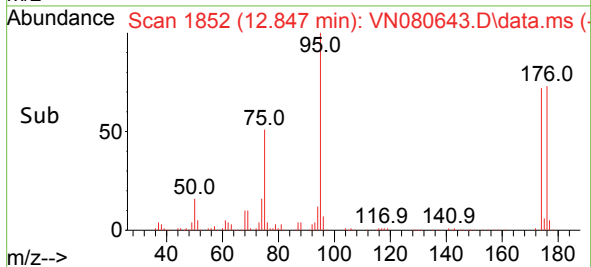
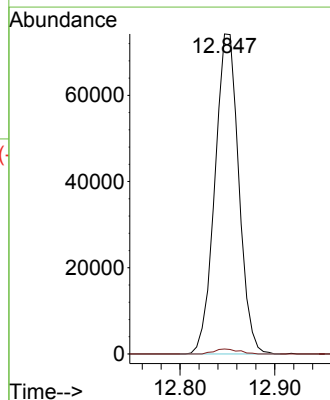
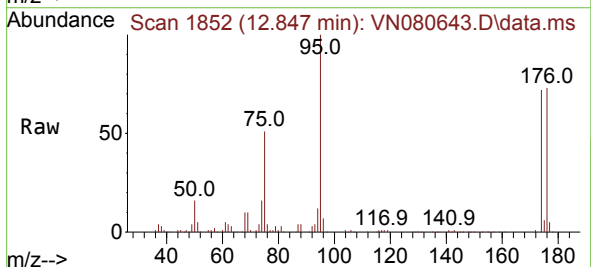


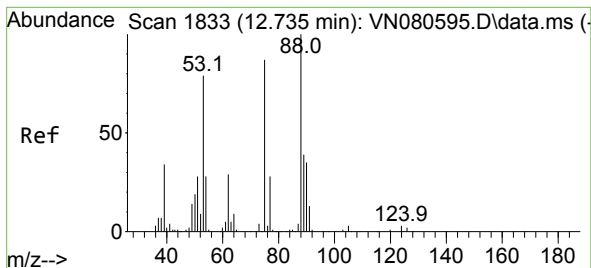
Tgt Ion: 43	Resp: 3181
Ion Ratio	Lower Upper
43 100	
70 0.0	43.4 65.2#
55 9.4	21.4 32.0#
61 0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 22.002 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080643.D
Acq: 03 Jan 2024 16:31

Tgt Ion: 75	Resp: 129976
Ion Ratio	Lower Upper
75 100	
77 1.6	84.5 253.5#

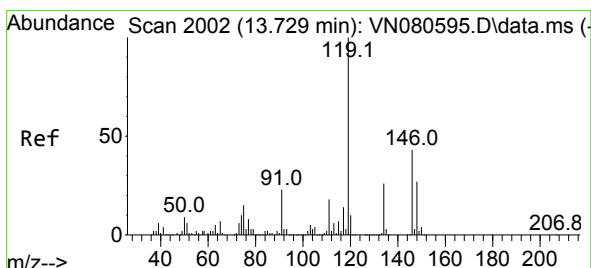
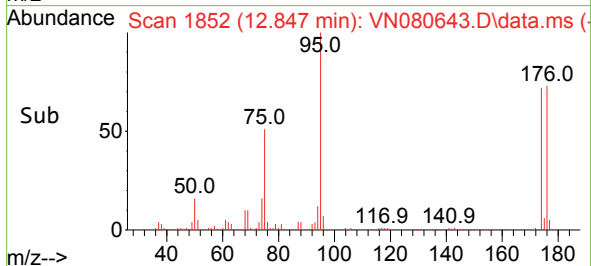
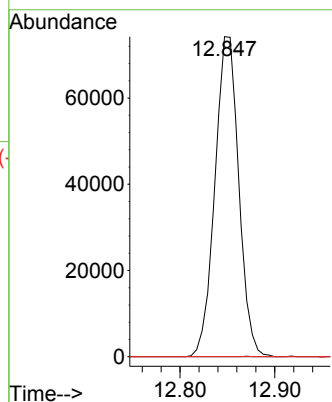
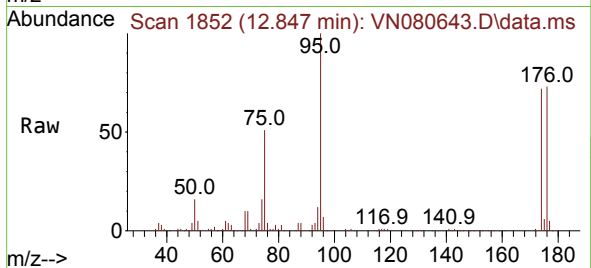




#81
trans-1,4-Dichloro-2-butene
Concen: 59.599 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN080643.D
Acq: 03 Jan 2024 16:31

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 129976
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#86
p-Isopropyltoluene
Concen: 0.458 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.059 min
Lab File: VN080643.D
Acq: 03 Jan 2024 16:31

Tgt Ion: 119 Resp: 56
Ion Ratio Lower Upper
119 100
134 364.3 12.6 37.8#
91 1419.6 12.4 37.2#

