

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102323\
 Data File : VN079649.D
 Acq On : 23 Oct 2023 15:23
 Operator : JC\MD
 Sample : 04977-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 23 23:51:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

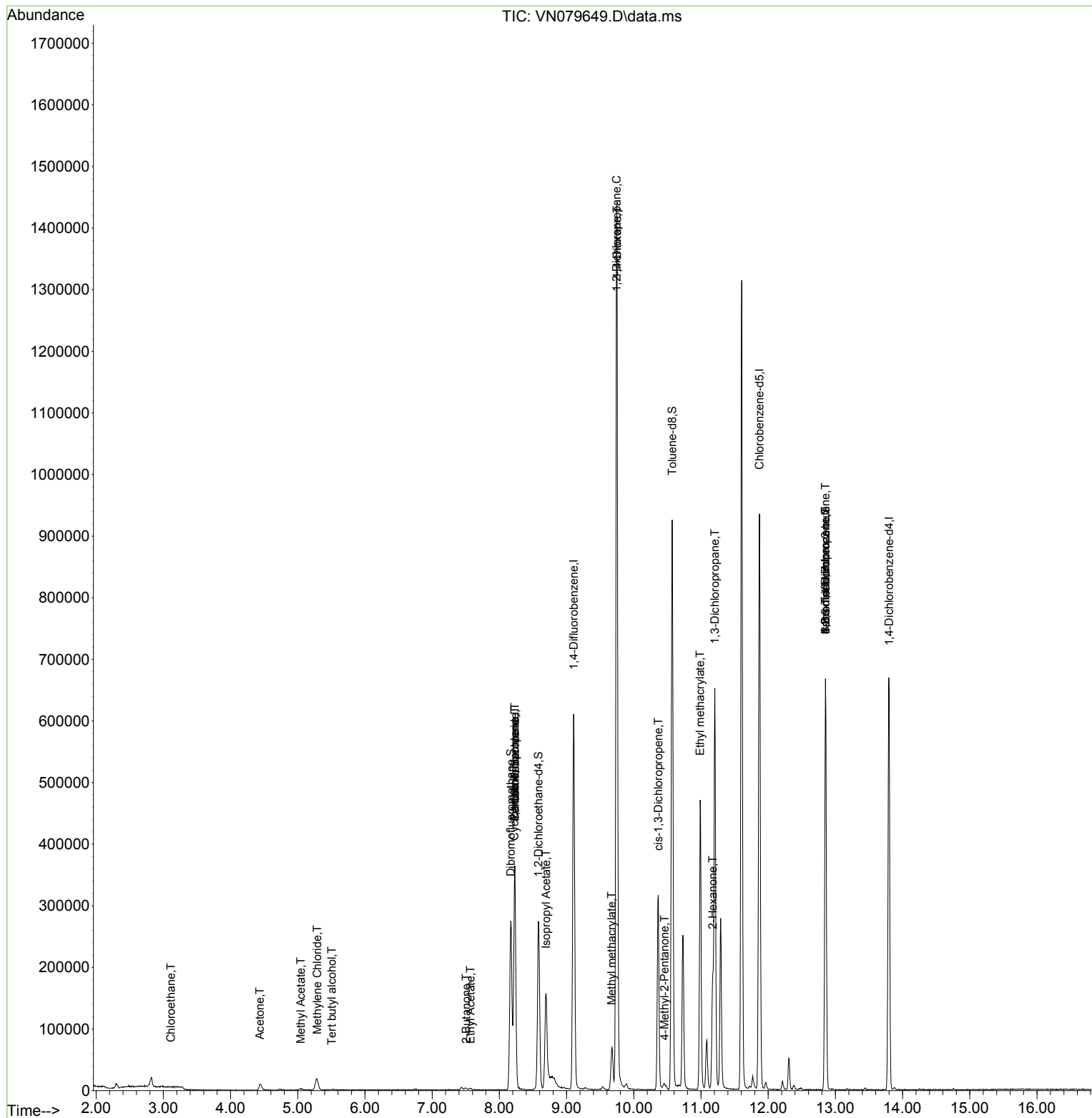
Internal Standards						
1) Pentafluorobenzene	8.230	168	244788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	501493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	524934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	171861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	216717	54.602	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.200%			
35) Dibromofluoromethane	8.171	113	194118	53.863	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.720%			
50) Toluene-d8	10.571	98	627788	48.143	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.280%			
62) 4-Bromofluorobenzene	12.853	95	219503	52.452	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.900%			
Target Compounds					Qvalue	
6) Chloroethane	3.112	64	975	0.284	ug/l #	43
11) Tert butyl alcohol	5.506	59	403	0.675	ug/l #	72
16) Acetone	4.436	43	19200	12.196	ug/l	91
18) Methyl Acetate	5.048	43	4576	0.594	ug/l #	63
20) Methylene Chloride	5.289	84	14570	3.668	ug/l #	93
25) 2-Butanone	7.506	43	5860	2.508	ug/l #	82
31) Cyclohexane	8.224	56	7081	1.258	ug/l #	42
36) 1,1-Dichloropropene	8.230	75	22559	4.171	ug/l #	49
37) Ethyl Acetate	7.571	43	4243	0.788	ug/l #	73
38) Carbon Tetrachloride	8.230	117	27517	5.082	ug/l #	17
43) Isopropyl Acetate	8.694	43	189420	20.089	ug/l #	76
45) 1,2-Dichloropropane	9.747	63	1907	0.451	ug/l #	45
48) Methyl methacrylate	9.671	41	4901	1.213	ug/l #	30
49) 1,4-Dioxane	9.753	88	61	0.820	ug/l #	1
51) 4-Methyl-2-Pentanone	10.459	43	5714	1.073	ug/l	91
54) cis-1,3-Dichloropropene	10.365	75	52802	8.488	ug/l #	72
56) Ethyl methacrylate	10.988	69	2787	0.534	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6581	1.004	ug/l #	42
59) 2-Hexanone	11.177	43	148991	38.790	ug/l #	19
71) Bromoform	12.853	173	2201	0.703	ug/l #	28
75) 1,1,2,2-Tetrachloroethane	12.859	83	192	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	123764	24.976	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	123764	72.470	ug/l #	15

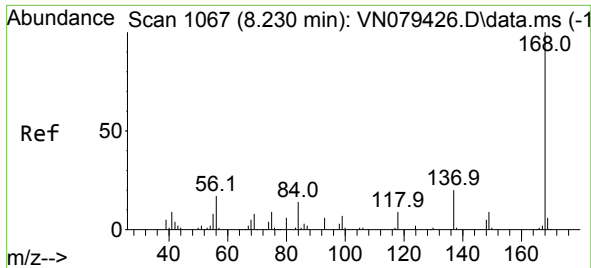
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102323\
Data File : VN079649.D
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ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId :

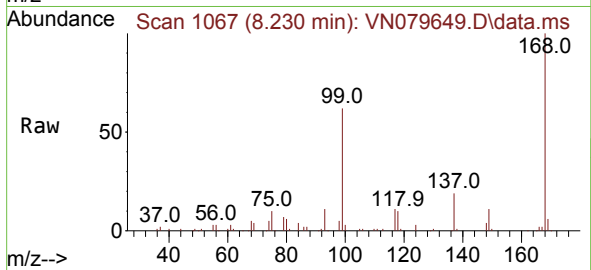
Quant Time: Oct 23 23:51:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
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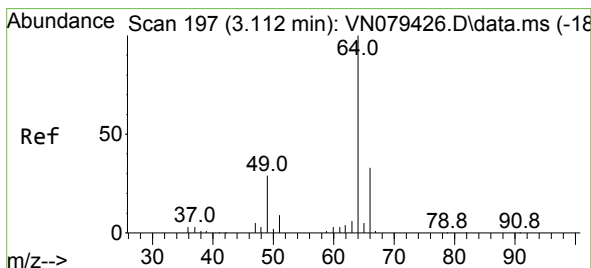
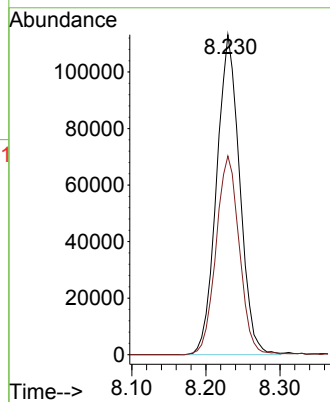
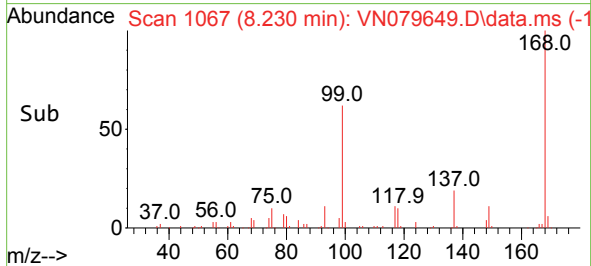


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079649.D
Acq: 23 Oct 2023 15:23

Instrument :
MSVOA_N
ClientSampleId :

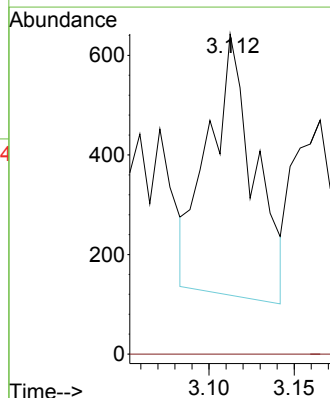
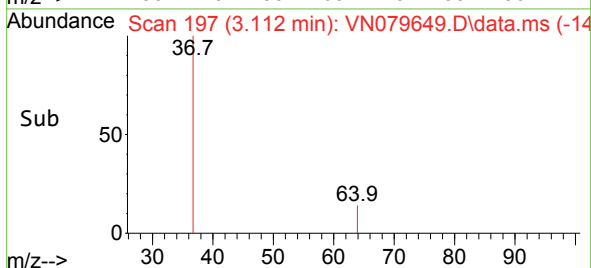
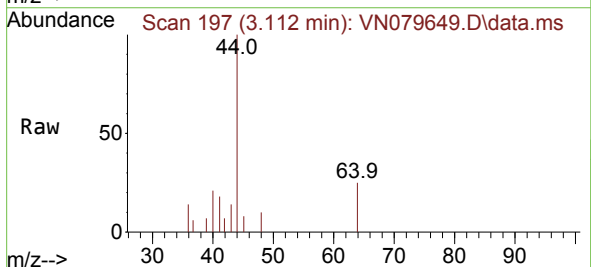


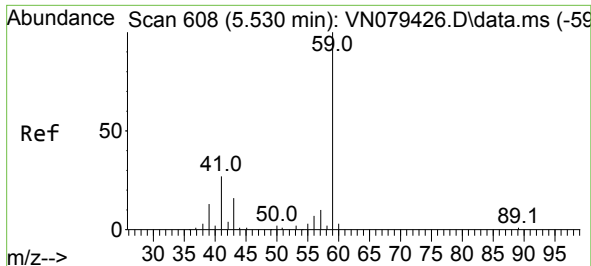
Tgt Ion:168 Resp: 244788
Ion Ratio Lower Upper
168 100
99 62.1 53.0 79.6



#6
Chloroethane
Concen: 0.284 ug/l
RT: 3.112 min Scan# 197
Delta R.T. 0.000 min
Lab File: VN079649.D
Acq: 23 Oct 2023 15:23

Tgt Ion: 64 Resp: 975
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

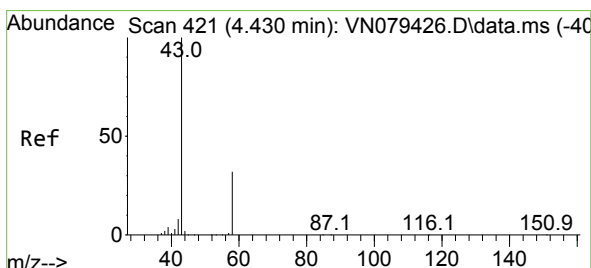
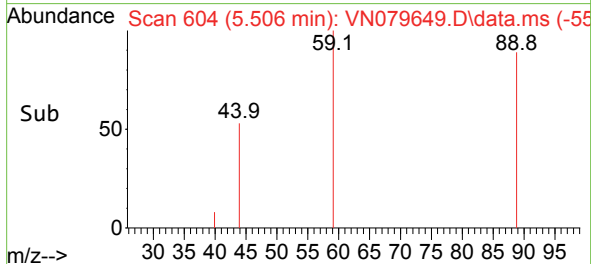
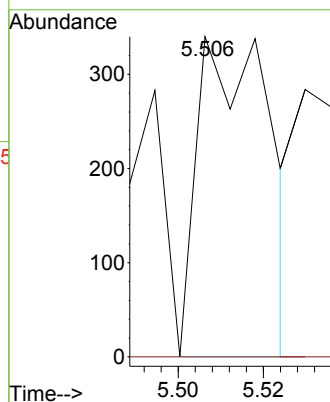
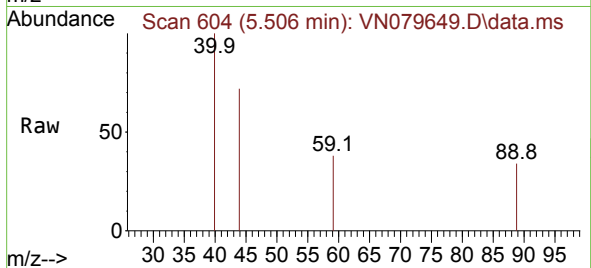




#11
Tert butyl alcohol
Concen: 0.675 ug/l
RT: 5.506 min Scan# 608
Delta R.T. -0.024 min
Lab File: VN079649.D
Acq: 23 Oct 2023 15:23

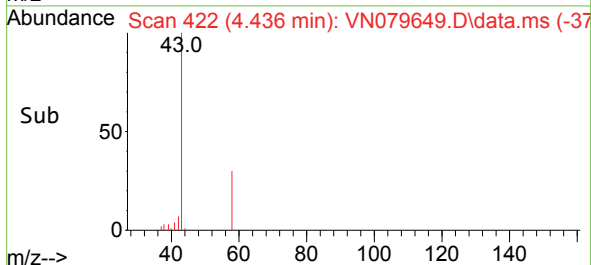
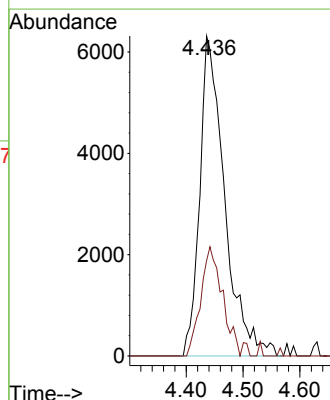
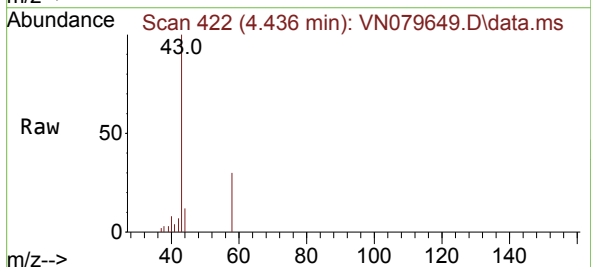
Instrument :
MSVOA_N
ClientSampleId :

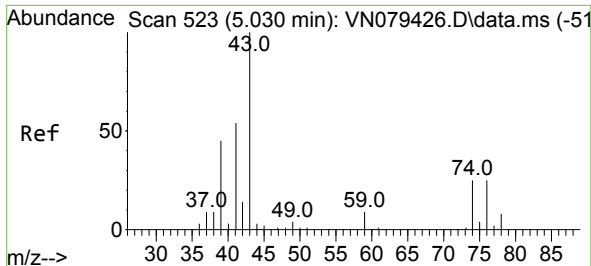
Tgt Ion: 59 Resp: 403
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 12.196 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN079649.D
Acq: 23 Oct 2023 15:23

Tgt Ion: 43 Resp: 19200
Ion Ratio Lower Upper
43 100
58 29.8 28.0 42.0

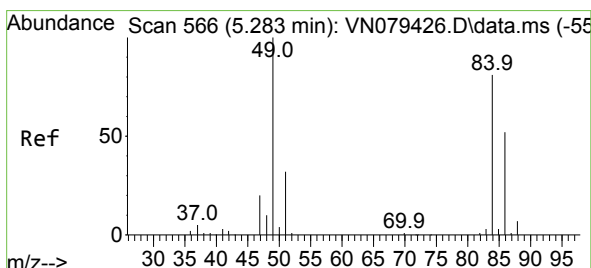
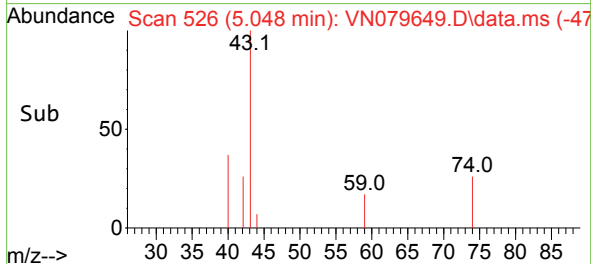
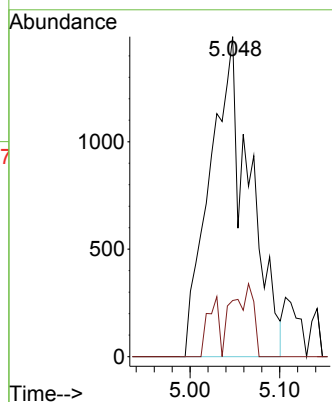
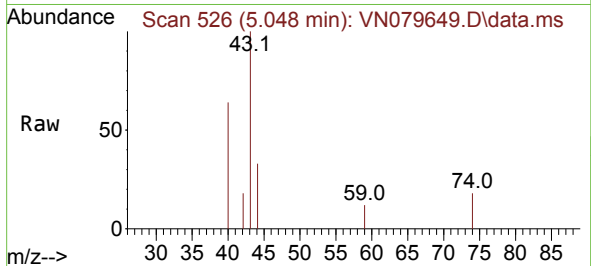




#18
Methyl Acetate
Concen: 0.594 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN079649.D
Acq: 23 Oct 2023 15:23

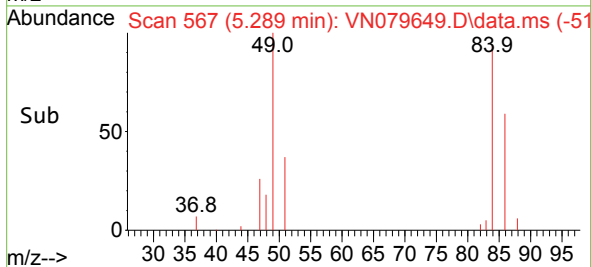
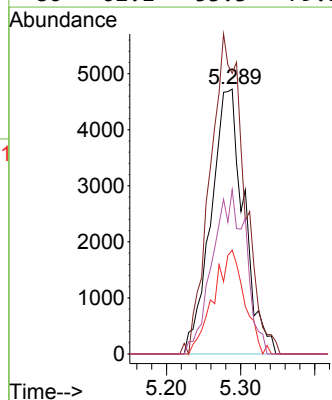
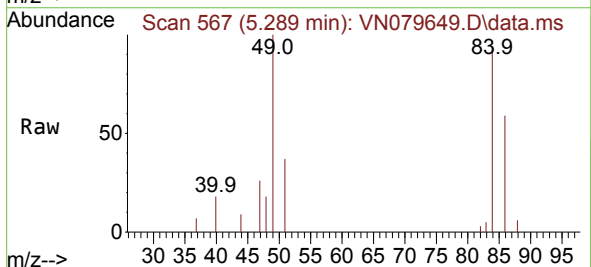
Instrument :
MSVOA_N
ClientSampleId :

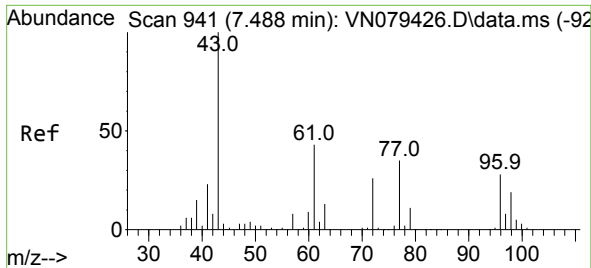
Tgt Ion: 43 Resp: 4576
Ion Ratio Lower Upper
43 100
74 12.1 26.2 39.4#



#20
Methylene Chloride
Concen: 3.668 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN079649.D
Acq: 23 Oct 2023 15:23

Tgt Ion: 84 Resp: 14570
Ion Ratio Lower Upper
84 100
49 106.0 79.7 119.5
51 39.2 25.2 37.8#
86 62.1 53.3 79.9

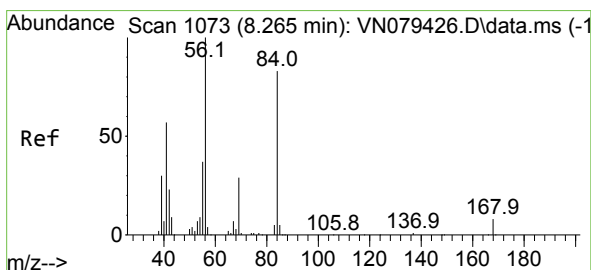
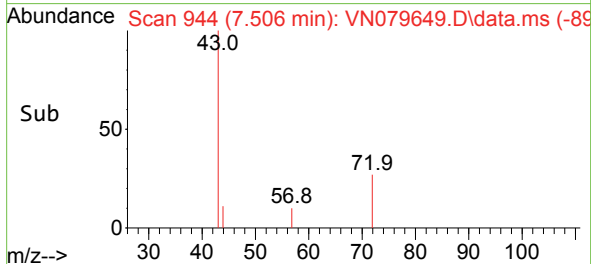
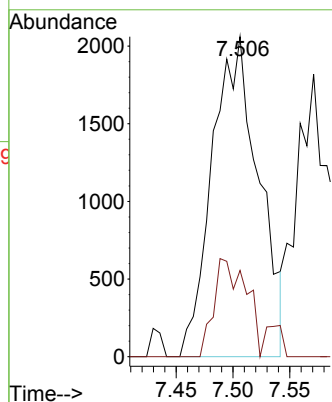
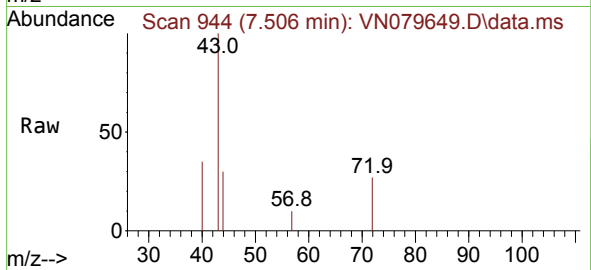




#25
2-Butanone
Concen: 2.508 ug/l
RT: 7.506 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN079649.D
Acq: 23 Oct 2023 15:23

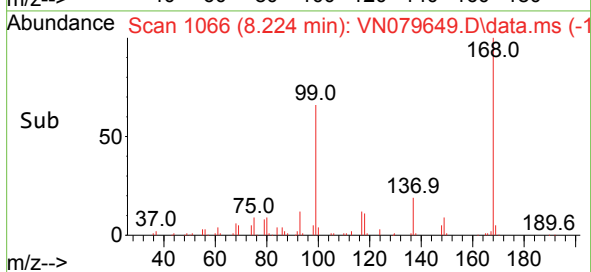
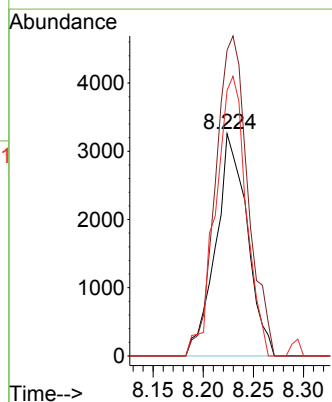
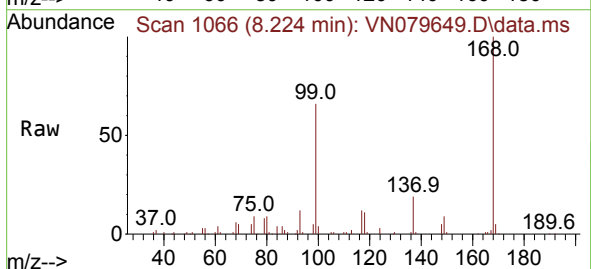
Instrument :
MSVOA_N
ClientSampleId :

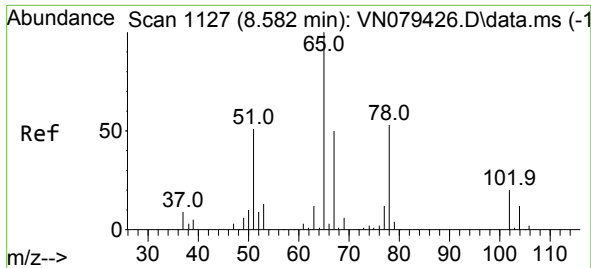
Tgt Ion: 43 Resp: 5860
Ion Ratio Lower Upper
43 100
72 26.9 30.2 45.2#



#31
Cyclohexane
Concen: 1.258 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN079649.D
Acq: 23 Oct 2023 15:23

Tgt Ion: 56 Resp: 7081
Ion Ratio Lower Upper
56 100
69 137.6 26.8 40.2#
84 119.5 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 54.602 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079649.D

Acq: 23 Oct 2023 15:23

Instrument :

MSVOA_N

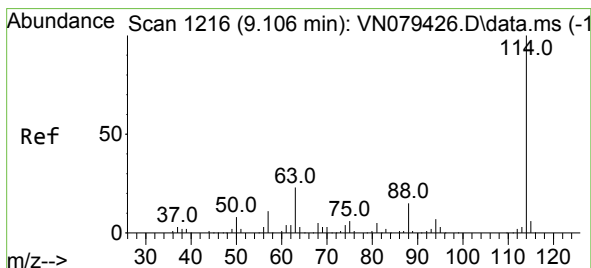
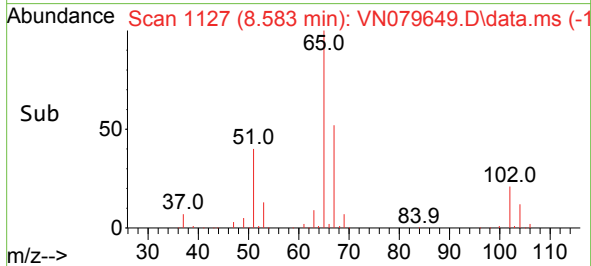
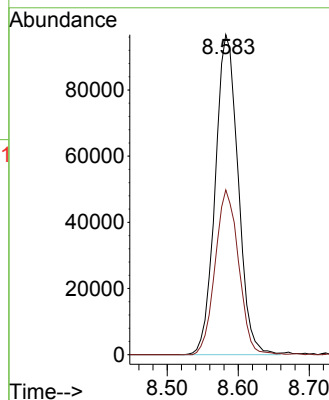
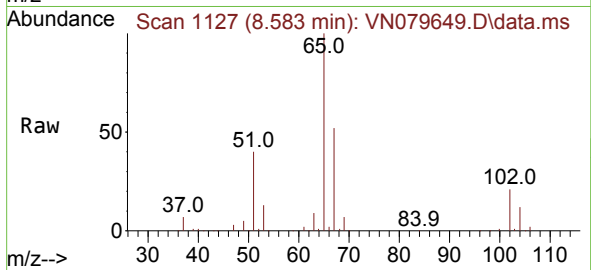
ClientSampleId :

Tgt Ion: 65 Resp: 216717

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079649.D

Acq: 23 Oct 2023 15:23

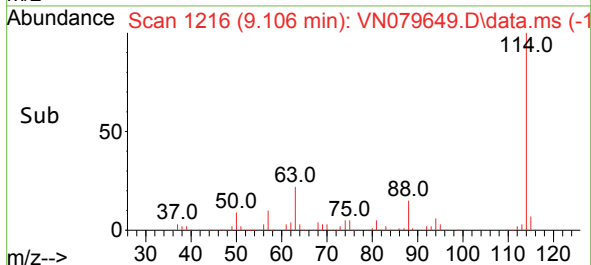
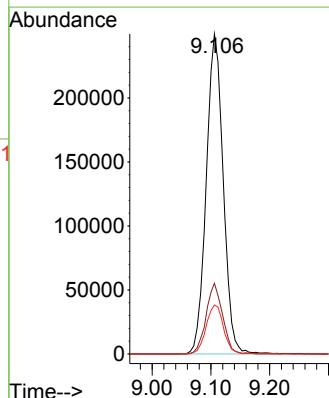
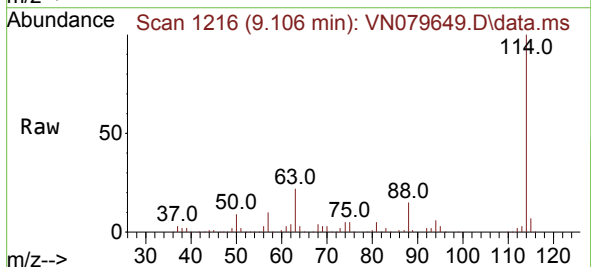
Tgt Ion: 114 Resp: 501493

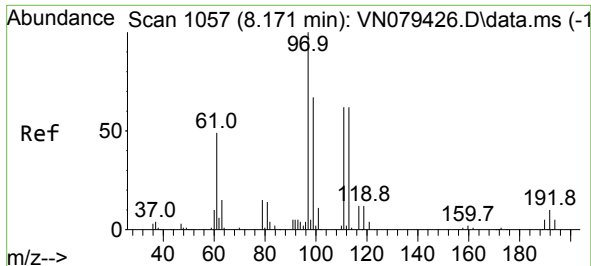
Ion Ratio Lower Upper

114 100

63 22.1 0.0 36.4

88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.863 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

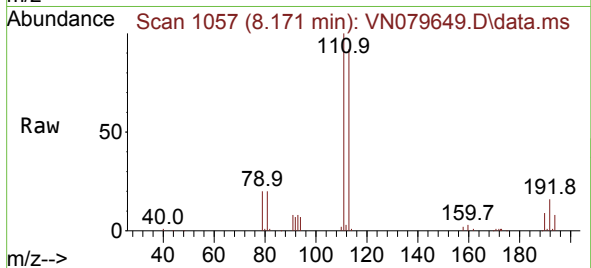
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Acq: 23 Oct 2023 15:23

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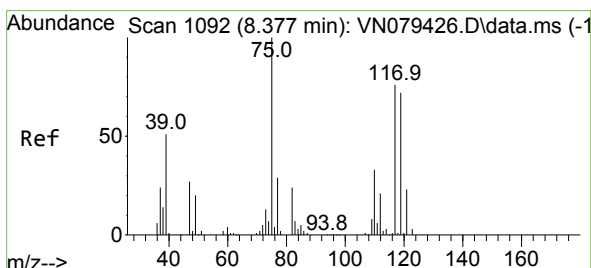
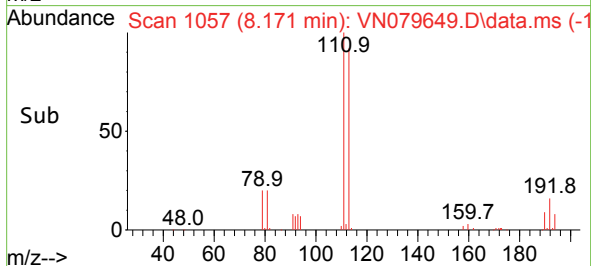
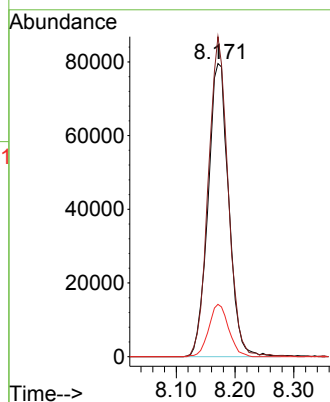
Tgt Ion:113 Resp: 194118

Ion Ratio Lower Upper

113 100

111 104.8 82.6 123.8

192 17.2 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.171 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079649.D

Acq: 23 Oct 2023 15:23

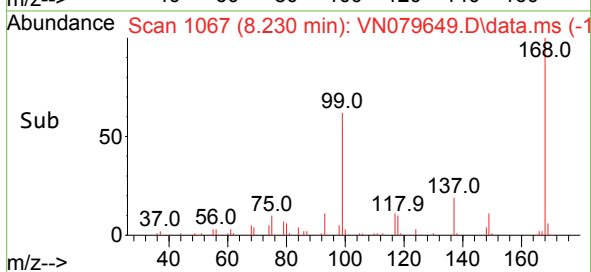
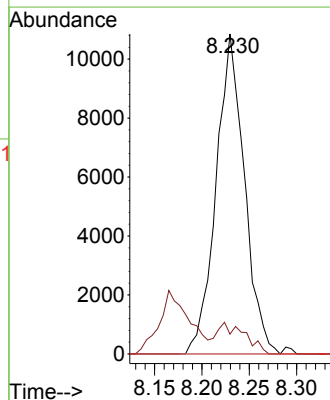
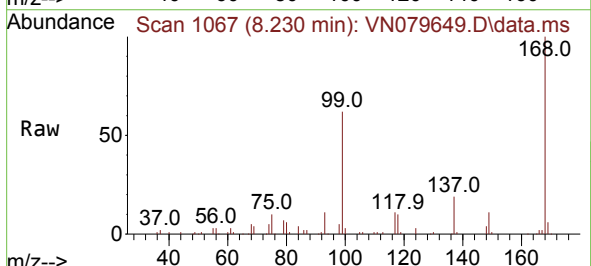
Tgt Ion: 75 Resp: 22559

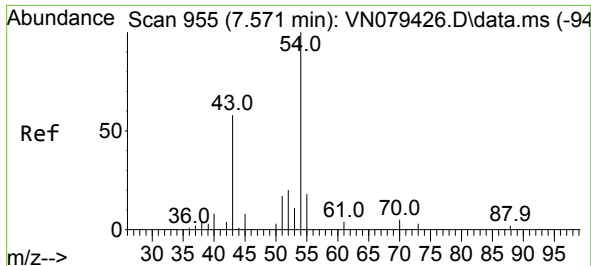
Ion Ratio Lower Upper

75 100

110 10.0 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.788 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.000 min

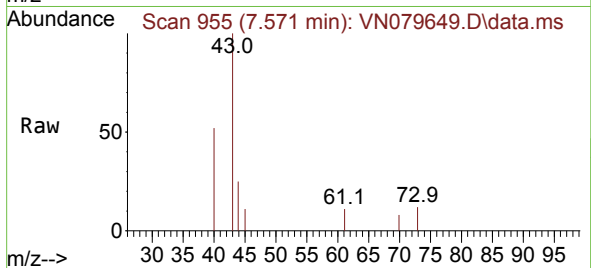
Lab File: VN079649.D

Acq: 23 Oct 2023 15:23

Instrument :

MSVOA_N

ClientSampleId :



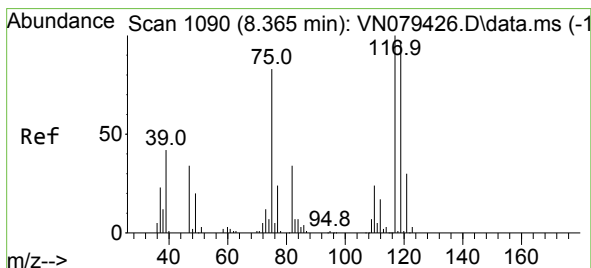
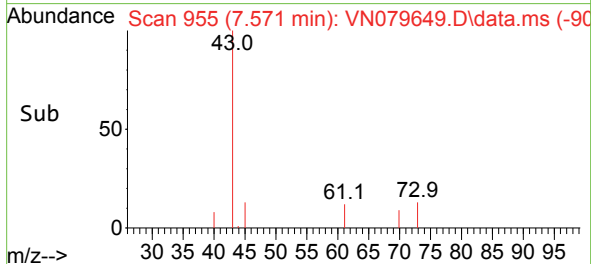
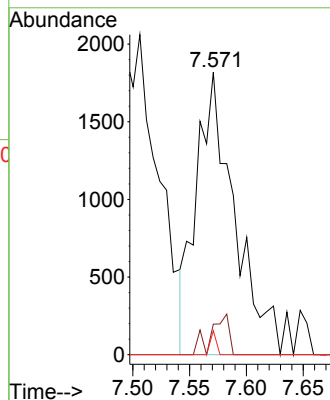
Tgt Ion: 43 Resp: 4243

Ion Ratio Lower Upper

43 100

61 6.8 13.2 19.8#

70 1.3 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 5.082 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN079649.D

Acq: 23 Oct 2023 15:23

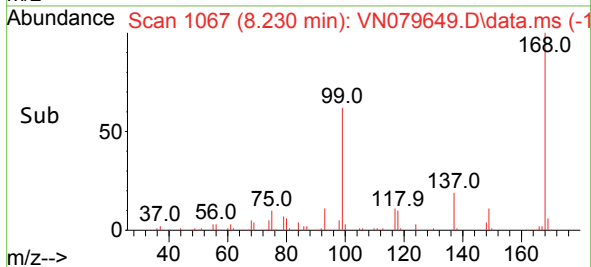
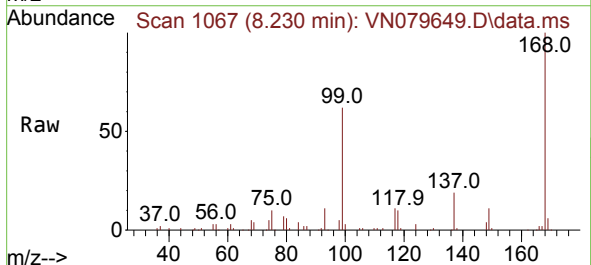
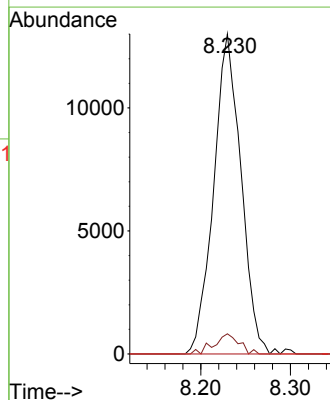
Tgt Ion: 117 Resp: 27517

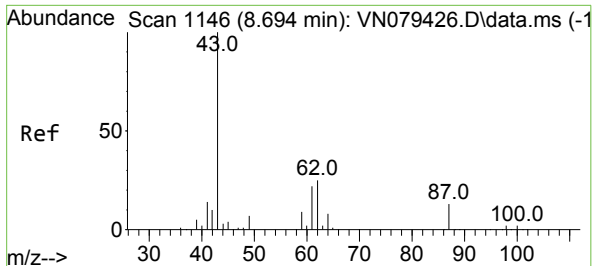
Ion Ratio Lower Upper

117 100

119 6.3 77.3 115.9#

121 0.0 23.3 34.9#

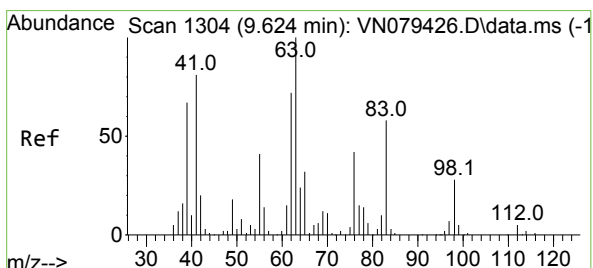
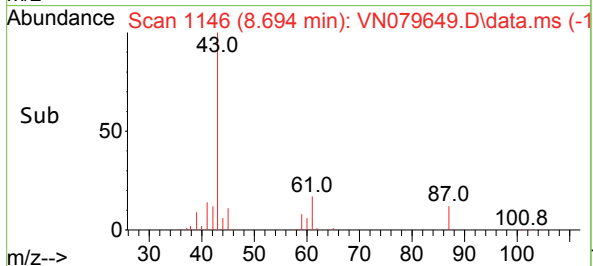
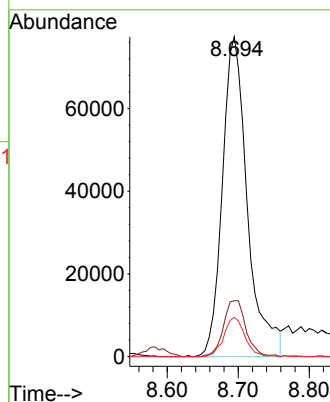
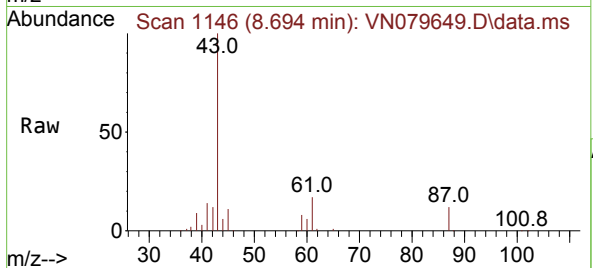




#43
Isopropyl Acetate
Concen: 20.089 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079649.D
Acq: 23 Oct 2023 15:23

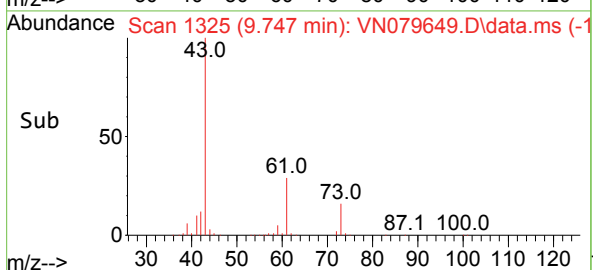
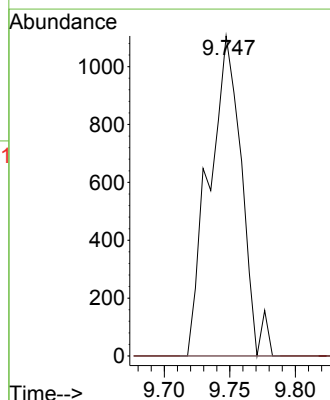
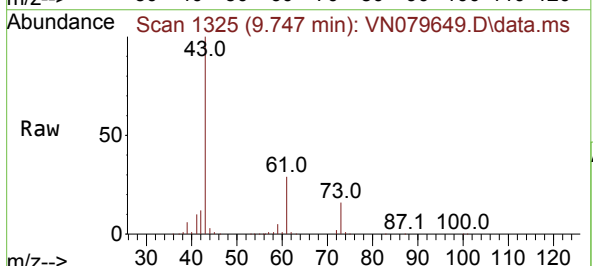
Instrument :
MSVOA_N
ClientSampleId :

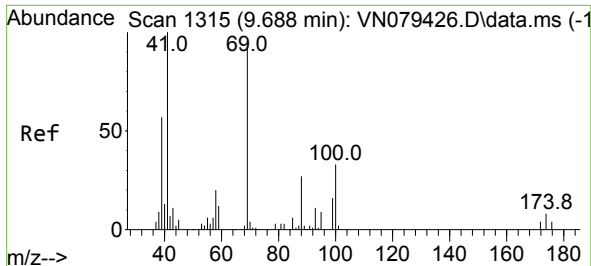
Tgt Ion: 43 Resp: 189420
Ion Ratio Lower Upper
43 100
61 15.8 24.7 37.1#
87 10.3 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.451 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN079649.D
Acq: 23 Oct 2023 15:23

Tgt Ion: 63 Resp: 1907
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

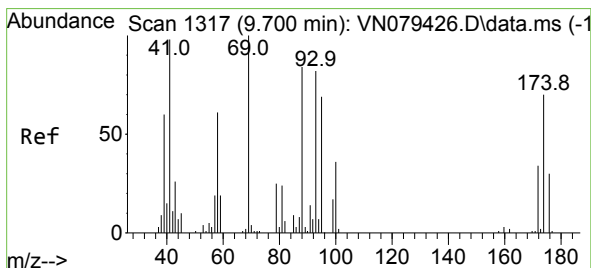
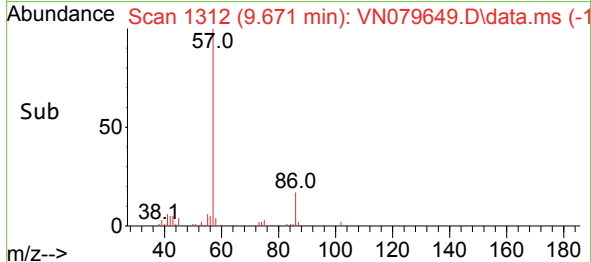
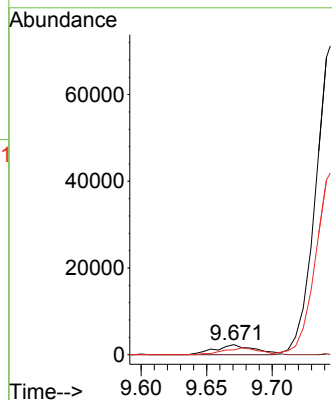
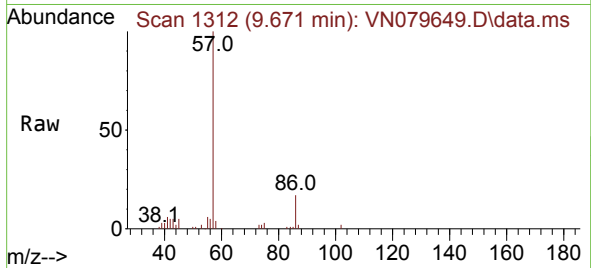




#48
Methyl methacrylate
Concen: 1.213 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN079649.D
Acq: 23 Oct 2023 15:23

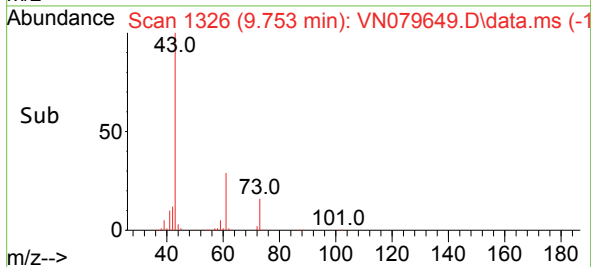
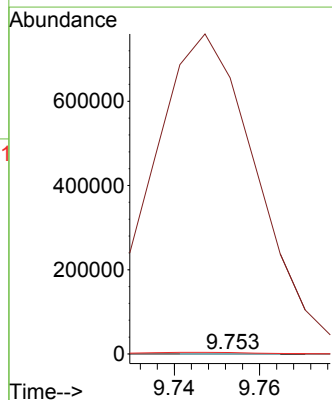
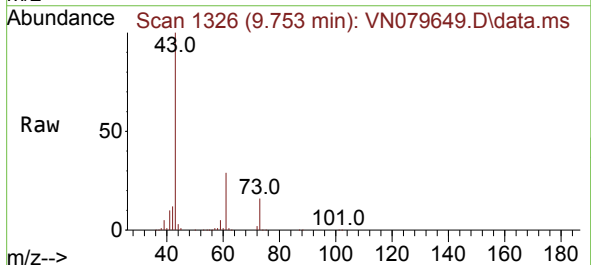
Instrument :
MSVOA_N
ClientSampleId :

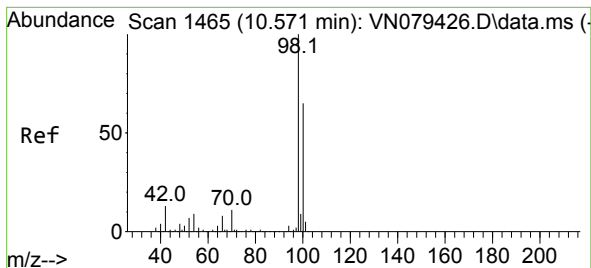
Tgt Ion: 41 Resp: 4901
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 59.2 54.6 81.8



#49
1,4-Dioxane
Concen: 0.820 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.053 min
Lab File: VN079649.D
Acq: 23 Oct 2023 15:23

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 2225823.0 17.0 25.6#
58 13203.3 47.0 70.4#

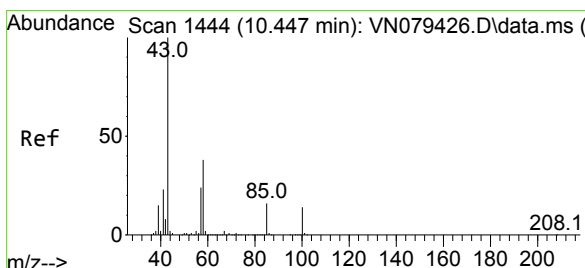
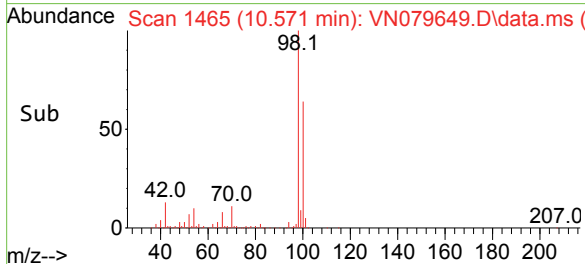
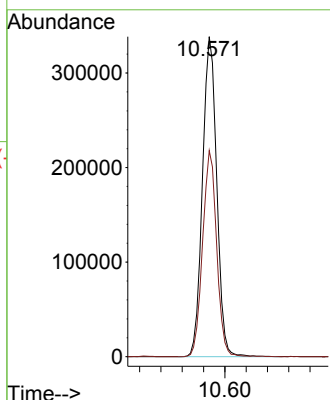
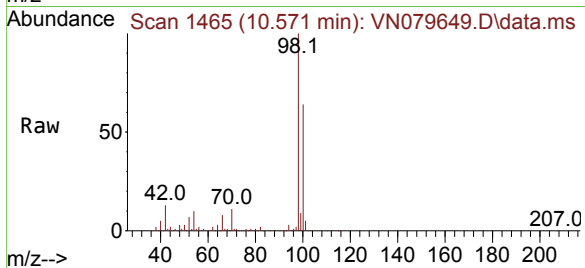




#50
Toluene-d8
Concen: 48.143 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079649.D
Acq: 23 Oct 2023 15:23

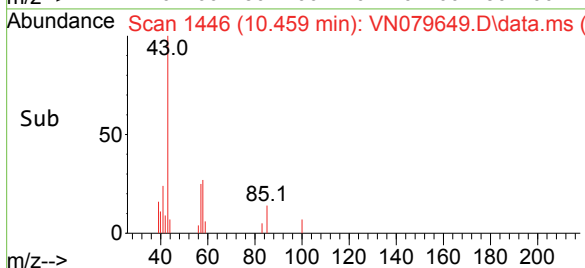
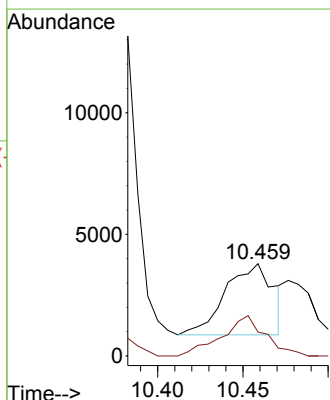
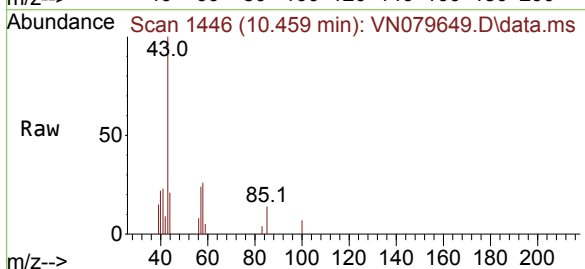
Instrument :
MSVOA_N
ClientSampleId :

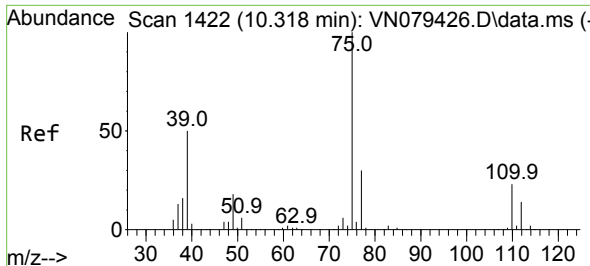
Tgt Ion: 98 Resp: 627788
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.073 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.012 min
Lab File: VN079649.D
Acq: 23 Oct 2023 15:23

Tgt Ion: 43 Resp: 5714
Ion Ratio Lower Upper
43 100
58 51.7 36.6 54.8

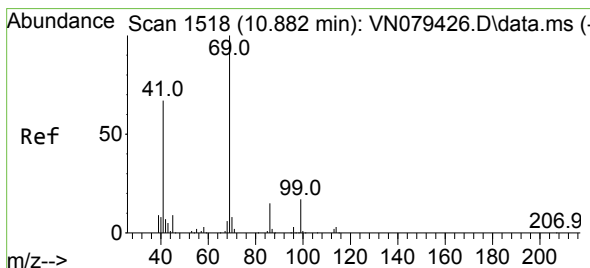
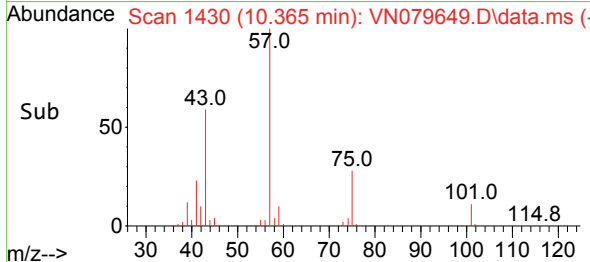
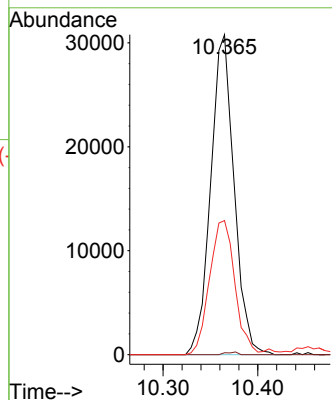
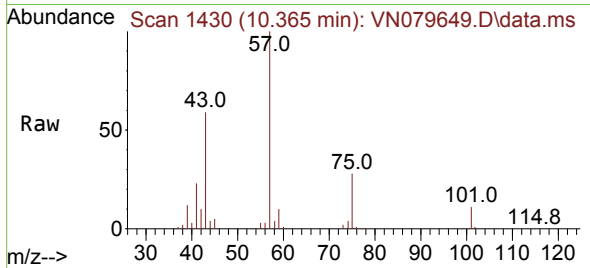




#54
 cis-1,3-Dichloropropene
 Concen: 8.488 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN079649.D
 Acq: 23 Oct 2023 15:23

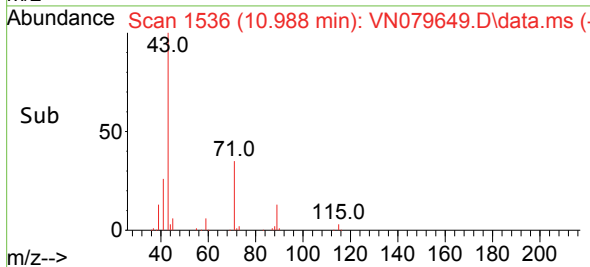
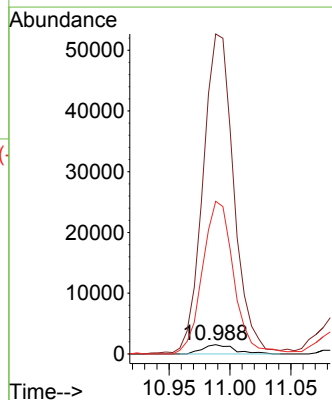
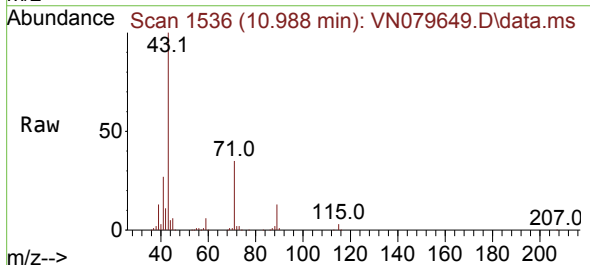
Instrument :
 MSVOA_N
 ClientSampleId :

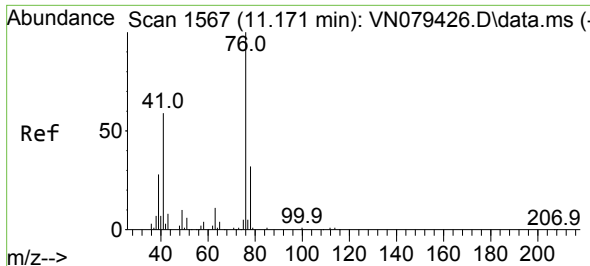
Tgt Ion: 75 Resp: 52802
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.1 39.1#
 39 41.9 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.534 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.106 min
 Lab File: VN079649.D
 Acq: 23 Oct 2023 15:23

Tgt Ion: 69 Resp: 2787
 Ion Ratio Lower Upper
 69 100
 41 3342.1 39.6 59.4#
 39 1601.5 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.004 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.035 min

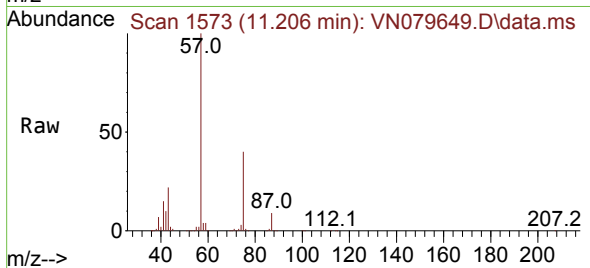
Lab File: VN079649.D

Acq: 23 Oct 2023 15:23

Instrument :

MSVOA_N

ClientSampleId :

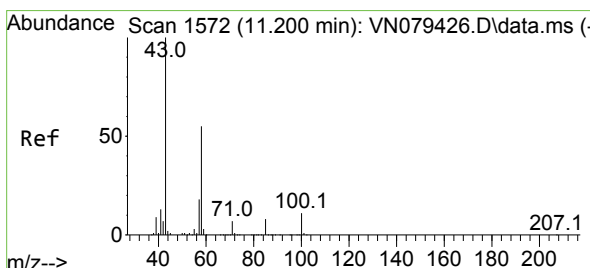
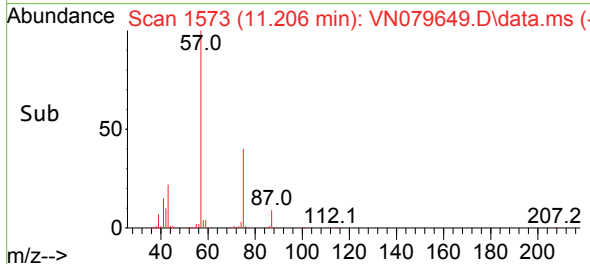
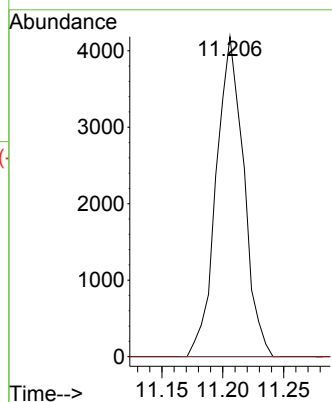


Tgt Ion: 76 Resp: 6581

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 38.790 ug/l

RT: 11.177 min Scan# 1568

Delta R.T. -0.023 min

Lab File: VN079649.D

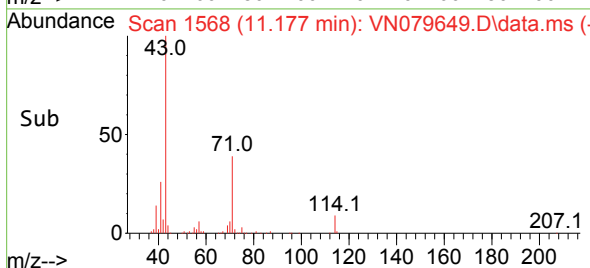
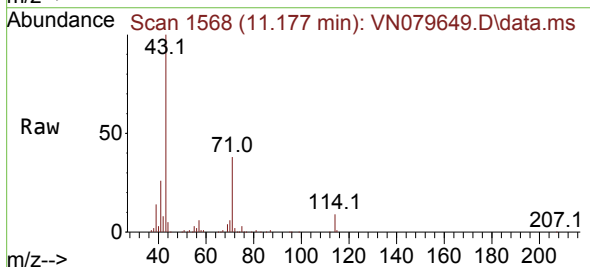
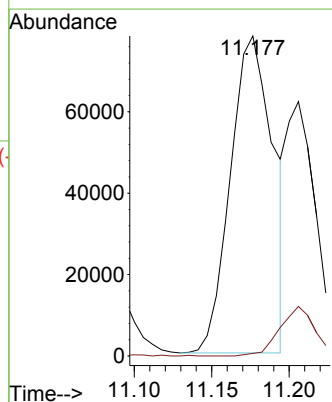
Acq: 23 Oct 2023 15:23

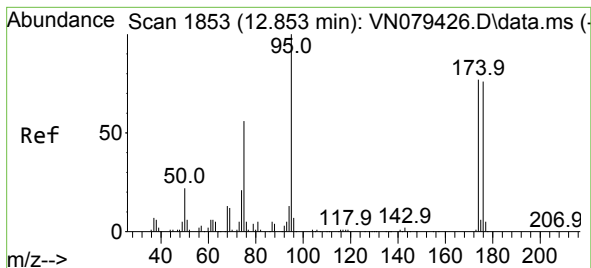
Tgt Ion: 43 Resp: 148991

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

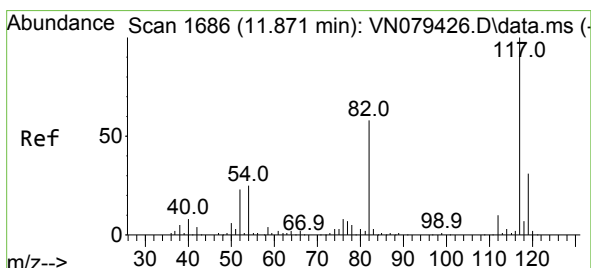
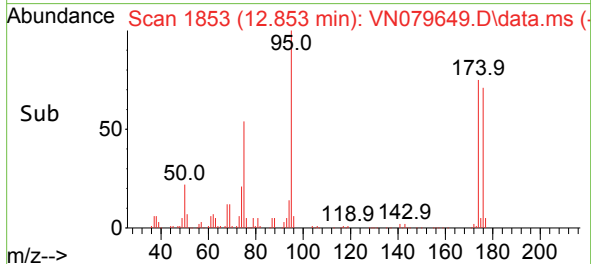
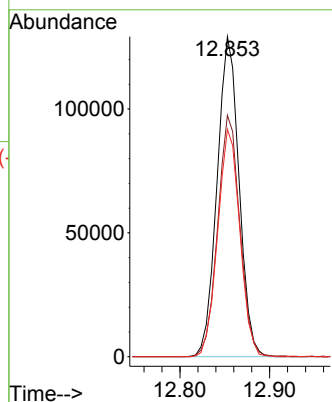
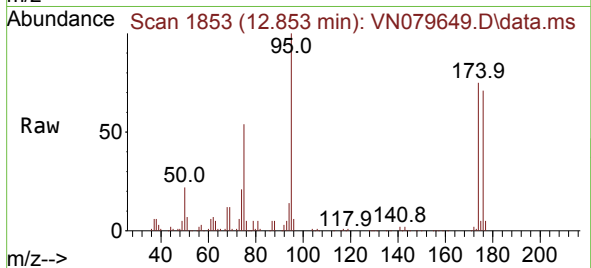




#62
4-Bromofluorobenzene
Concen: 52.452 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079649.D
Acq: 23 Oct 2023 15:23

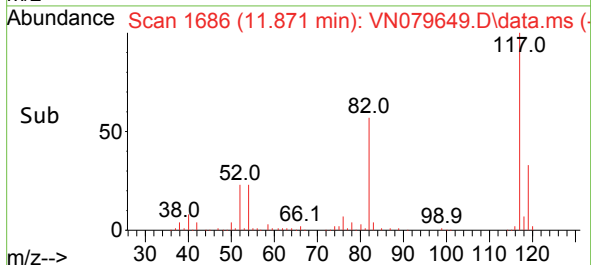
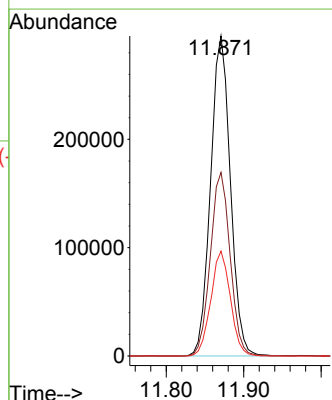
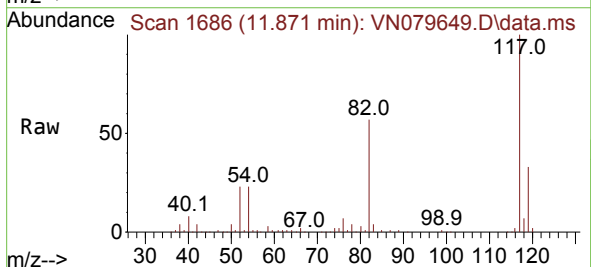
Instrument :
MSVOA_N
ClientSampleId :

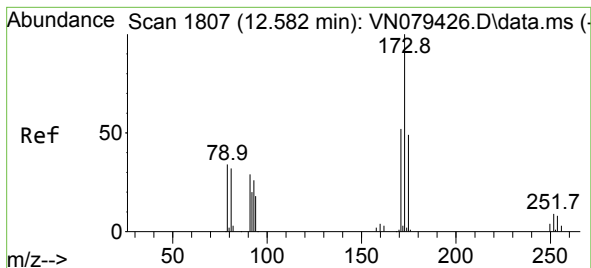
Tgt Ion: 95 Resp: 219503
Ion Ratio Lower Upper
95 100
174 76.3 0.0 143.8
176 71.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079649.D
Acq: 23 Oct 2023 15:23

Tgt Ion: 117 Resp: 524934
Ion Ratio Lower Upper
117 100
82 57.4 44.0 66.0
119 32.7 25.6 38.4





#71

Bromoform

Concen: 0.703 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

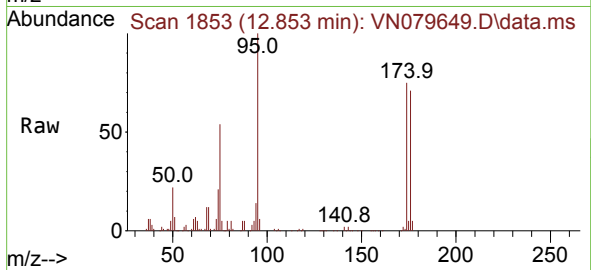
Lab File: VN079649.D

Acq: 23 Oct 2023 15:23

Instrument :

MSVOA_N

ClientSampleId :



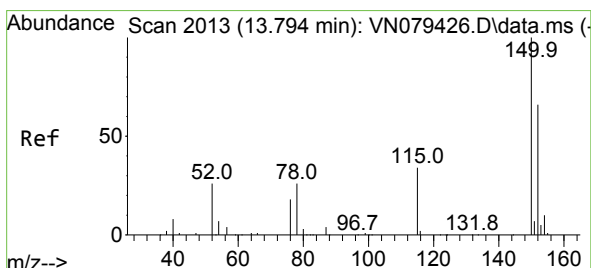
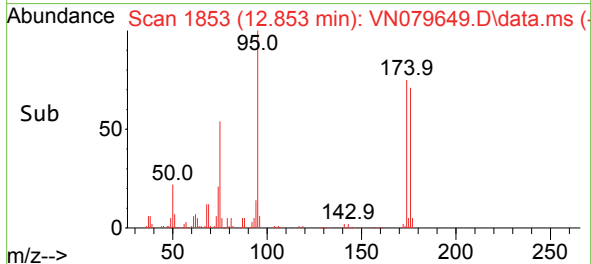
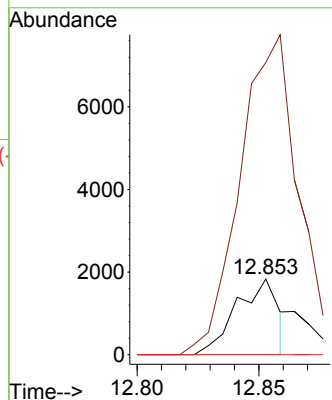
Tgt Ion:173 Resp: 2201

Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.006 min

Lab File: VN079649.D

Acq: 23 Oct 2023 15:23

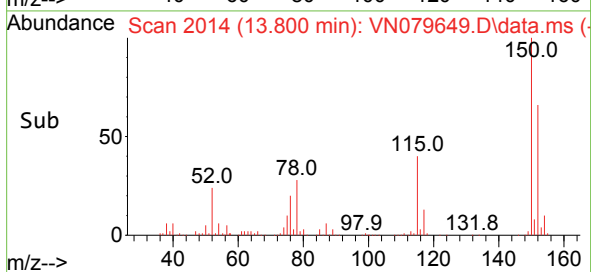
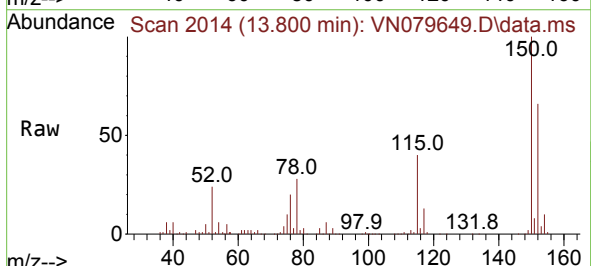
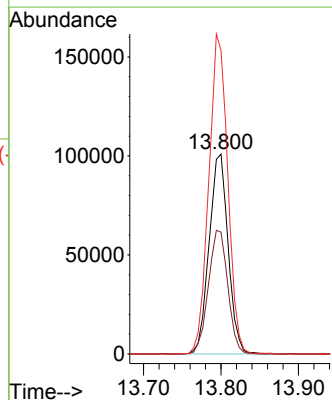
Tgt Ion:152 Resp: 171861

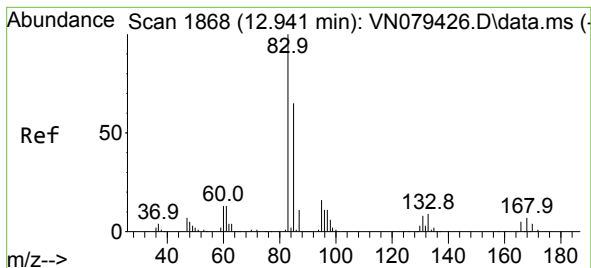
Ion Ratio Lower Upper

152 100

115 63.1 32.3 96.8

150 159.2 0.0 355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.859 min Scan# 1854

Delta R.T. -0.082 min

Lab File: VN079649.D

Acq: 23 Oct 2023 15:23

Instrument :

MSVOA_N

ClientSampleId :

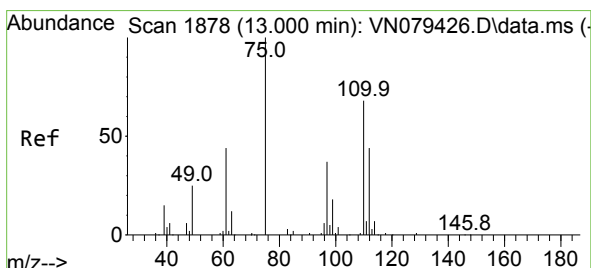
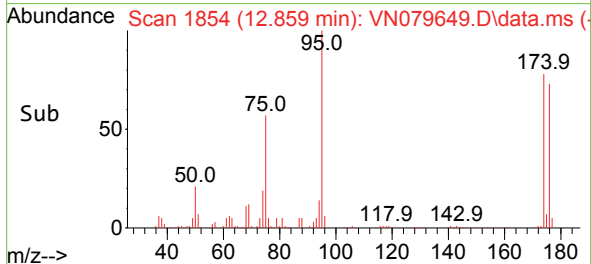
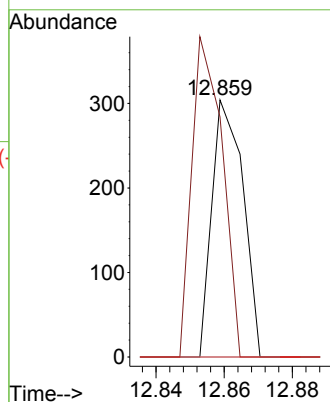
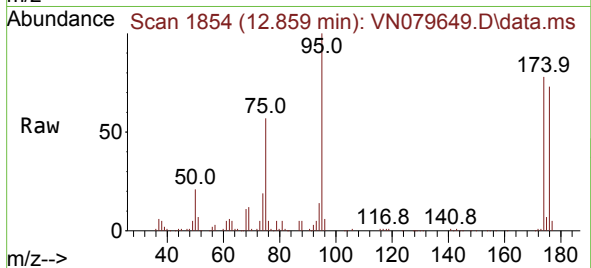
Tgt Ion: 83 Resp: 192

Ion Ratio Lower Upper

83 100

131 121.9 5.0 15.0#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 24.976 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079649.D

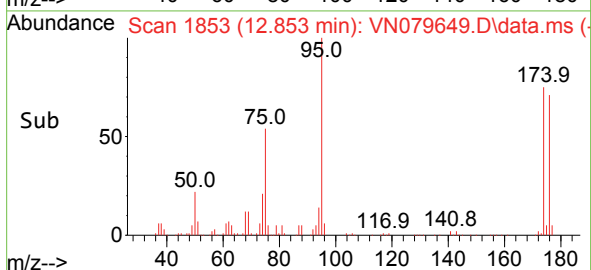
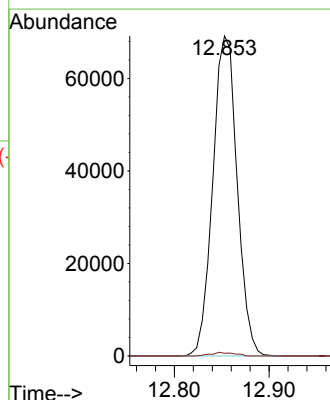
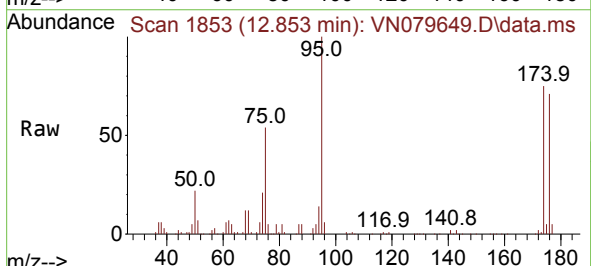
Acq: 23 Oct 2023 15:23

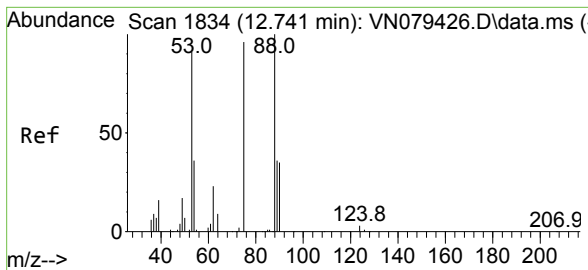
Tgt Ion: 75 Resp: 123764

Ion Ratio Lower Upper

75 100

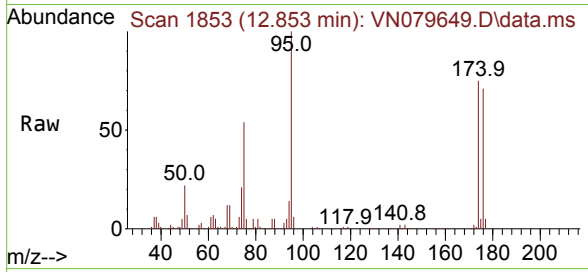
77 1.1 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.470 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079649.D
 Acq: 23 Oct 2023 15:23

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 123764

Ion	Ratio	Lower	Upper
75	100		
53	0.2	67.4	101.2#
89	0.0	38.8	58.2#

