

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120423\
 Data File : VN080341.D
 Acq On : 04 Dec 2023 16:21
 Operator : JC\MD
 Sample : 05602-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 05 04:17:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

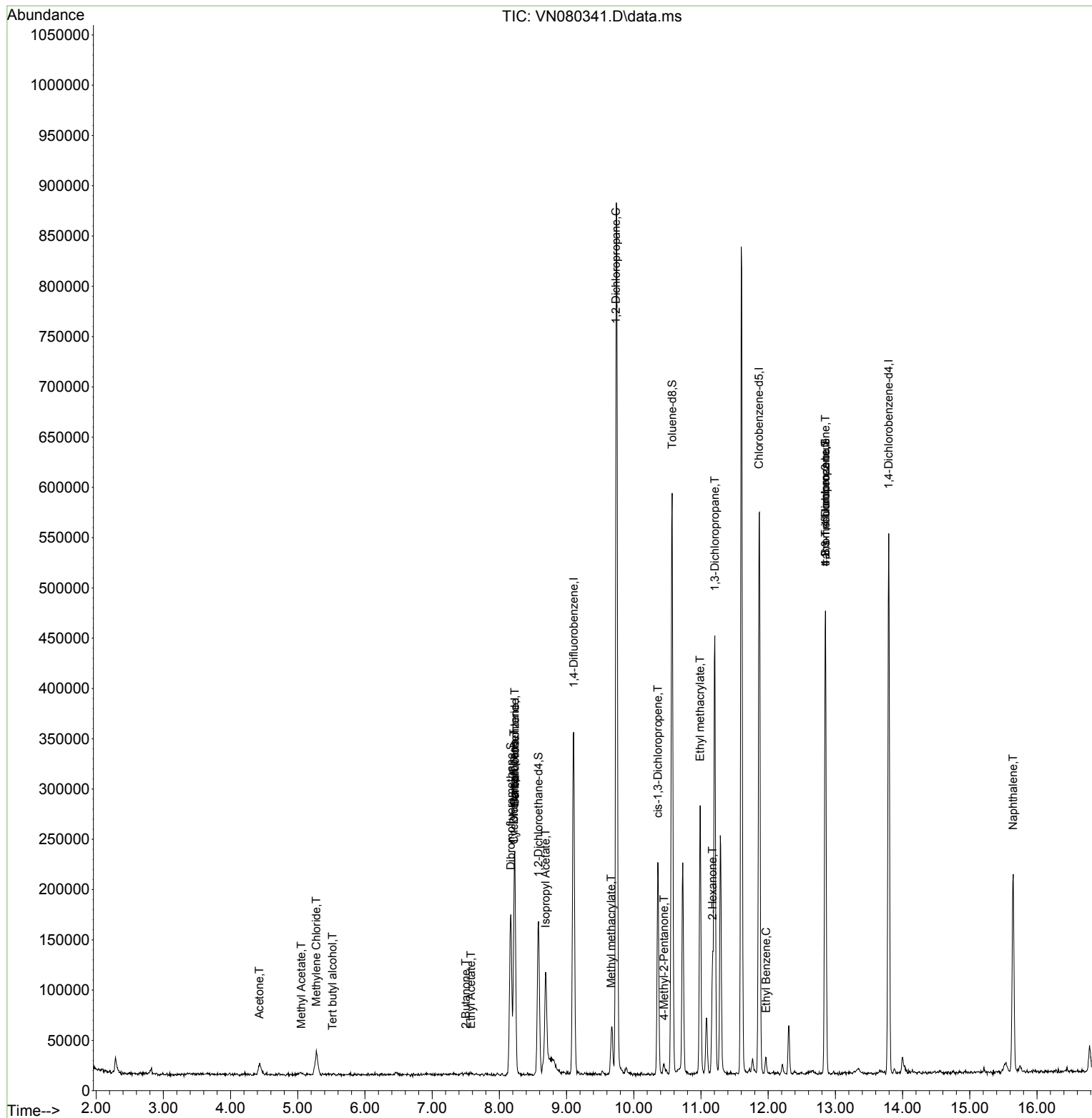
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	155071	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	292383	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	323040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	139737	54.575	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 109.140%		
35) Dibromofluoromethane	8.171	113	110995	51.448	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.900%		
50) Toluene-d8	10.571	98	400027	51.437	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 102.880%		
62) 4-Bromofluorobenzene	12.853	95	158346	53.905	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 107.800%		
Target Compounds						Qvalue
6) Chloroethane	3.118	64	594	Below Cal	#	43
11) Tert butyl alcohol	5.518	59	309	1.097	ug/l #	72
16) Acetone	4.430	43	20704	24.074	ug/l	91
18) Methyl Acetate	5.053	43	3095	1.120	ug/l #	42
20) Methylene Chloride	5.277	84	17472	9.701	ug/l	91
25) 2-Butanone	7.500	43	2222	2.175	ug/l #	78
31) Cyclohexane	8.218	56	3170	1.138	ug/l #	35
36) 1,1-Dichloropropene	8.218	75	12815	4.103	ug/l #	49
37) Ethyl Acetate	7.577	43	2192	1.012	ug/l #	68
38) Carbon Tetrachloride	8.230	117	17571	4.433	ug/l #	14
43) Isopropyl Acetate	8.688	43	119375	28.314	ug/l #	81
45) 1,2-Dichloropropane	9.735	63	1417	0.687	ug/l #	45
48) Methyl methacrylate	9.665	41	2675	1.231	ug/l #	34
51) 4-Methyl-2-Pentanone	10.453	43	4713	2.159	ug/l	87
54) cis-1,3-Dichloropropene	10.359	75	38713	10.736	ug/l #	69
56) Ethyl methacrylate	10.988	69	1262	0.583	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5130	1.386	ug/l #	42
59) 2-Hexanone	11.171	43	77759	44.333	ug/l #	19
67) Ethyl Benzene	11.971	91	4937	0.379	ug/l	95
76) 1,2,3-Trichloropropane	12.853	75	91133	26.084	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	91133	88.127	ug/l #	15
95) Naphthalene	15.647	128	190129	23.405	ug/l	98

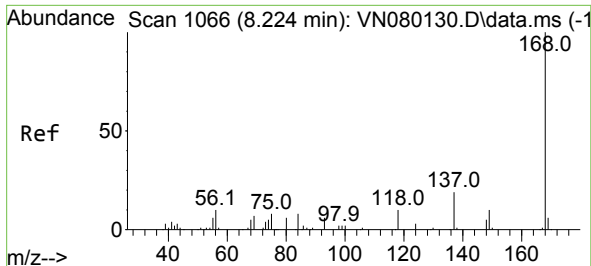
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration

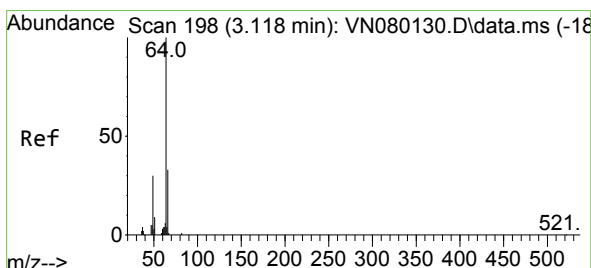
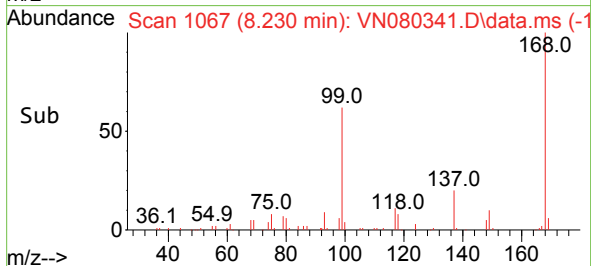
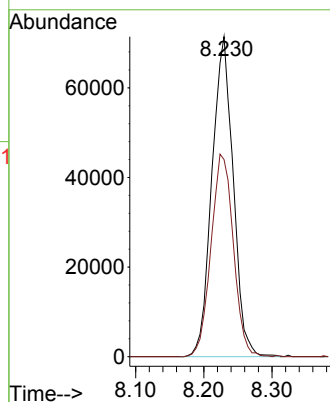
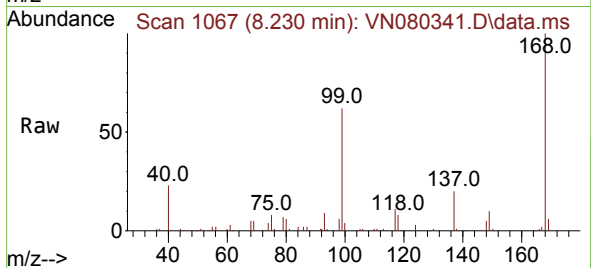




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080341.D
Acq: 04 Dec 2023 16:21

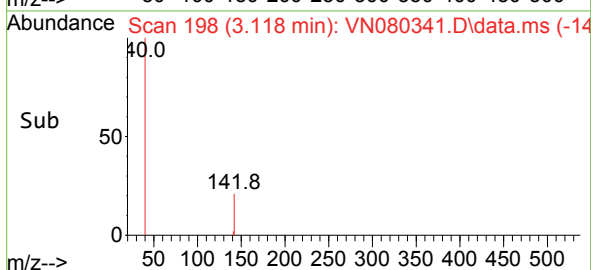
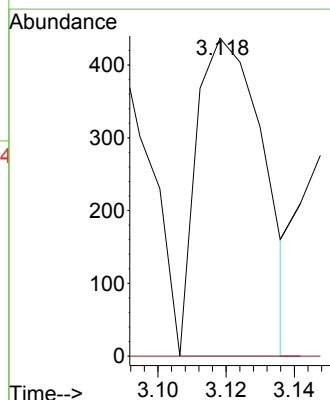
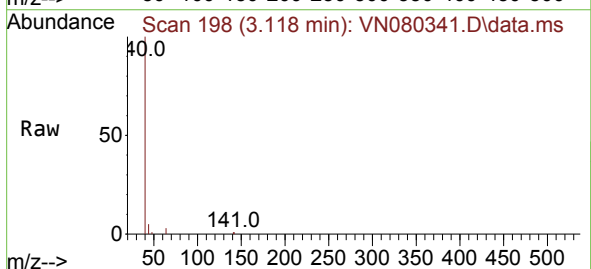
Instrument :
MSVOA_N
ClientSampleId :

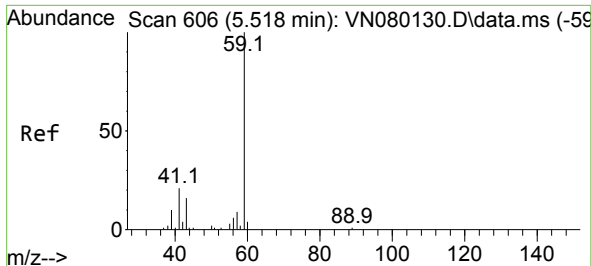
Tgt Ion:168 Resp: 155071
Ion Ratio Lower Upper
168 100
99 61.6 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN080341.D
Acq: 04 Dec 2023 16:21

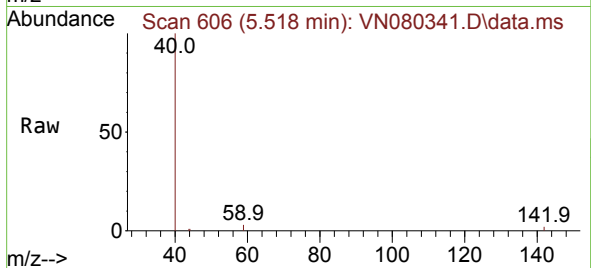
Tgt Ion: 64 Resp: 594
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



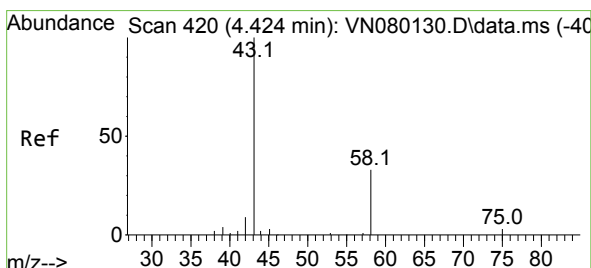
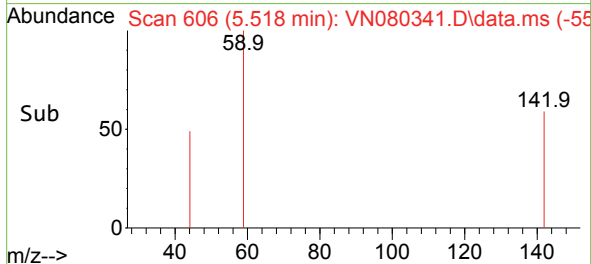
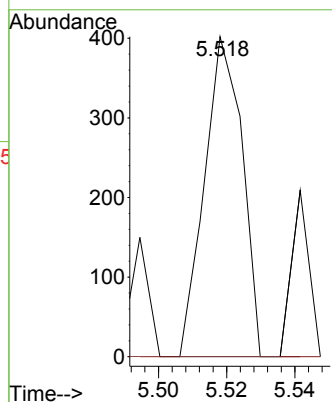


#11
Tert butyl alcohol
Concen: 1.097 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN080341.D
Acq: 04 Dec 2023 16:21

Instrument :
MSVOA_N
ClientSampleId :

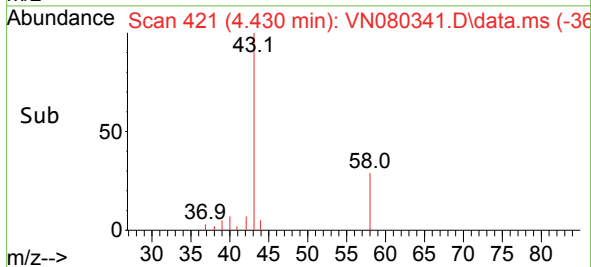
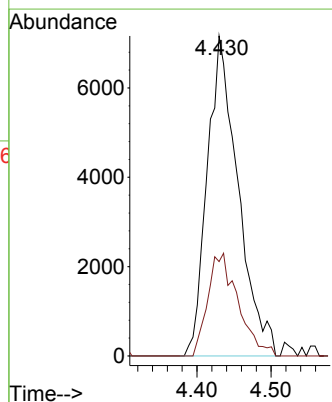
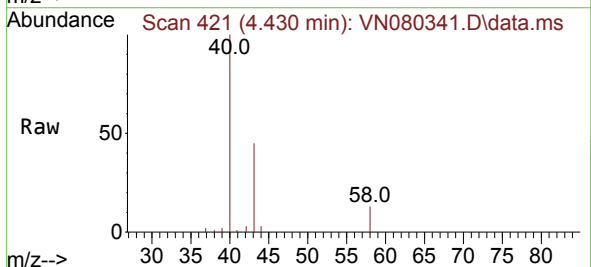


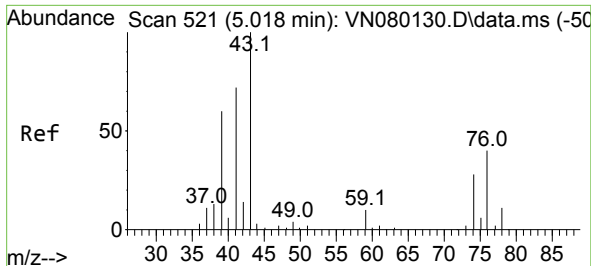
Tgt Ion: 59 Resp: 309
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 24.074 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN080341.D
Acq: 04 Dec 2023 16:21

Tgt Ion: 43 Resp: 20704
Ion Ratio Lower Upper
43 100
58 29.5 28.0 42.0

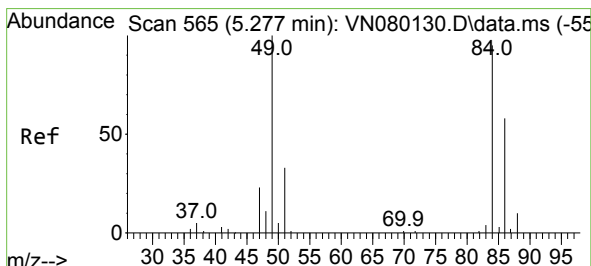
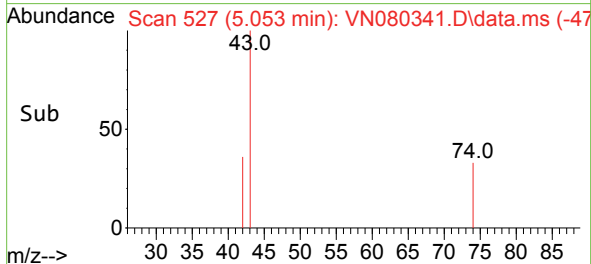
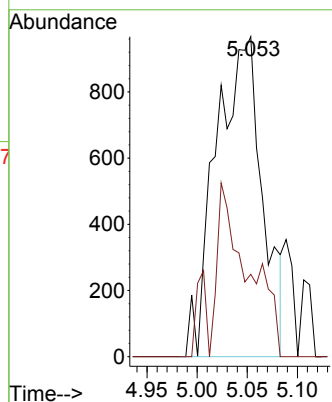
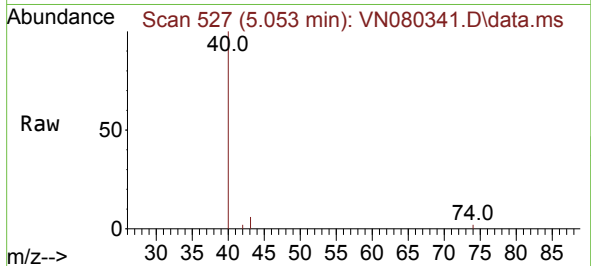




#18
Methyl Acetate
Concen: 1.120 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.035 min
Lab File: VN080341.D
Acq: 04 Dec 2023 16:21

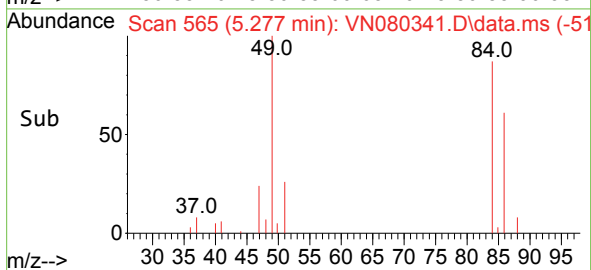
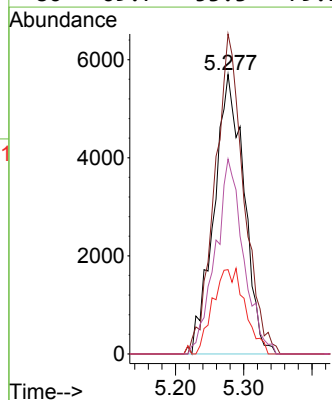
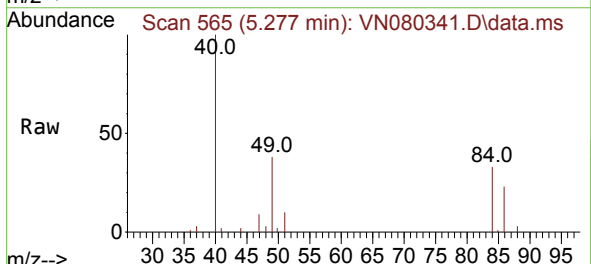
Instrument :
MSVOA_N
ClientSampleId :

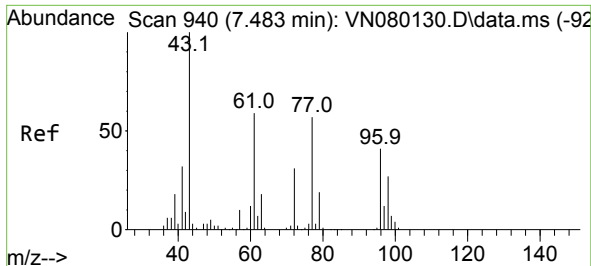
Tgt Ion: 43 Resp: 3095
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



#20
Methylene Chloride
Concen: 9.701 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN080341.D
Acq: 04 Dec 2023 16:21

Tgt Ion: 84 Resp: 17472
Ion Ratio Lower Upper
84 100
49 114.5 79.7 119.5
51 30.2 25.2 37.8
86 69.7 53.3 79.9

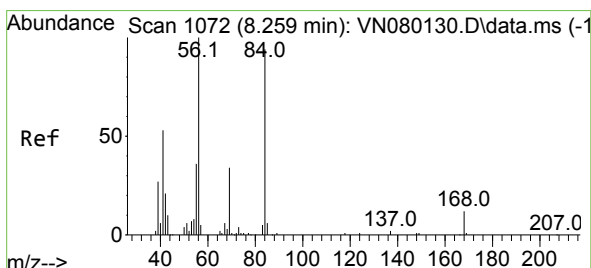
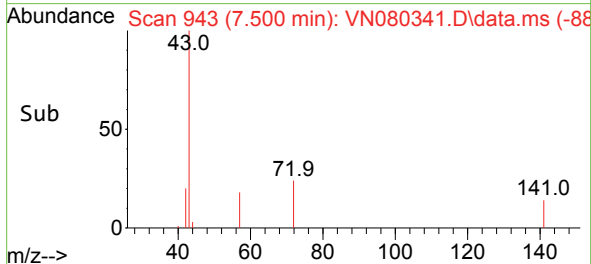
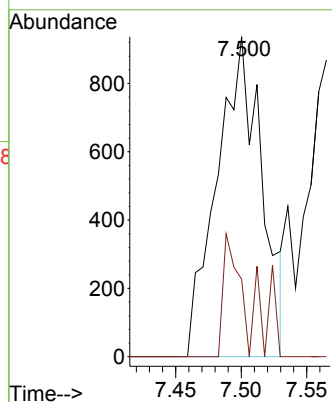
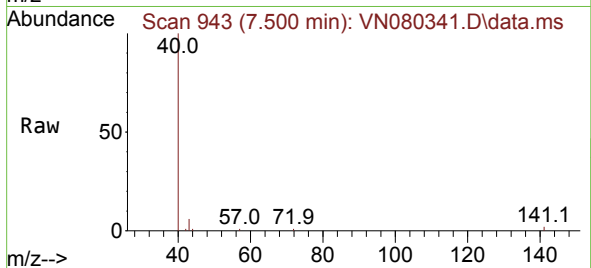




#25
2-Butanone
Concen: 2.175 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.018 min
Lab File: VN080341.D
Acq: 04 Dec 2023 16:21

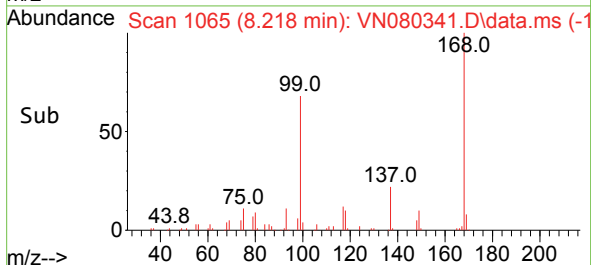
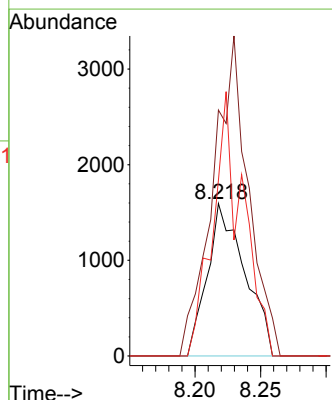
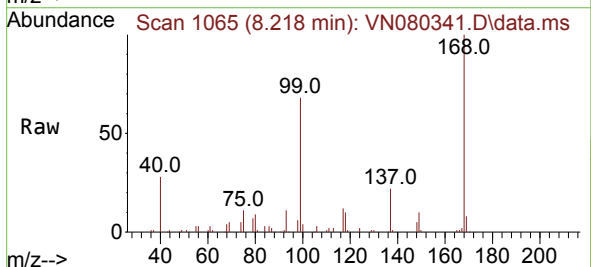
Instrument :
MSVOA_N
ClientSampleId :

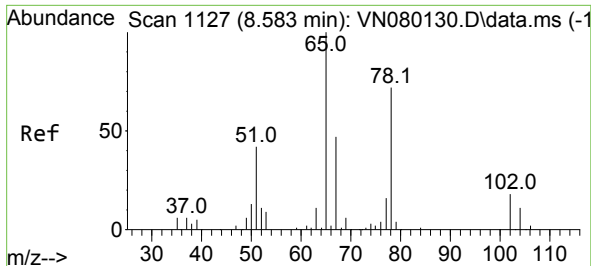
Tgt Ion: 43 Resp: 2222
Ion Ratio Lower Upper
43 100
72 24.2 30.2 45.2#



#31
Cyclohexane
Concen: 1.138 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN080341.D
Acq: 04 Dec 2023 16:21

Tgt Ion: 56 Resp: 3170
Ion Ratio Lower Upper
56 100
69 161.2 26.8 40.2#
84 115.3 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 54.575 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080341.D

Acq: 04 Dec 2023 16:21

Instrument :

MSVOA_N

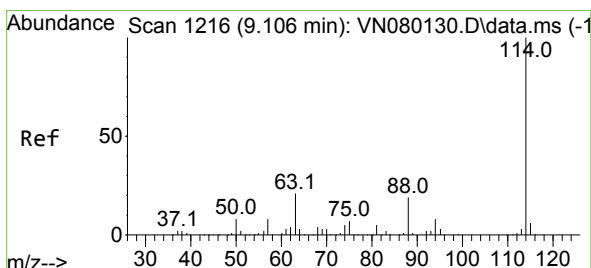
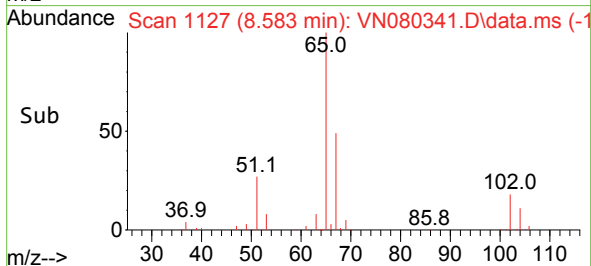
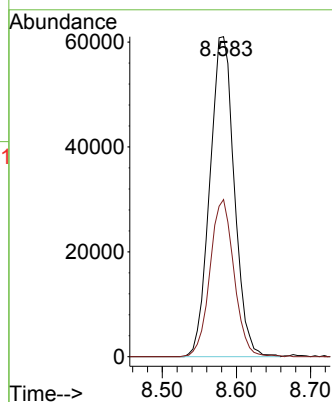
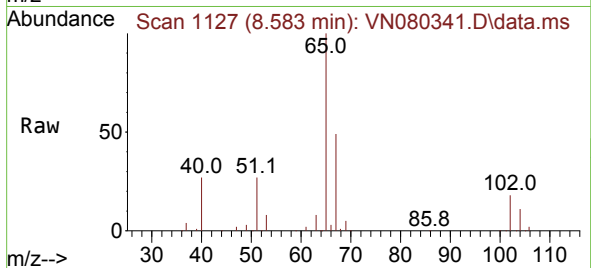
ClientSampleId :

Tgt Ion: 65 Resp: 139737

Ion Ratio Lower Upper

65 100

67 48.4 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: VN080341.D

Acq: 04 Dec 2023 16:21

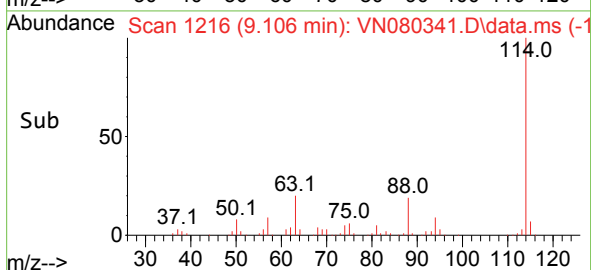
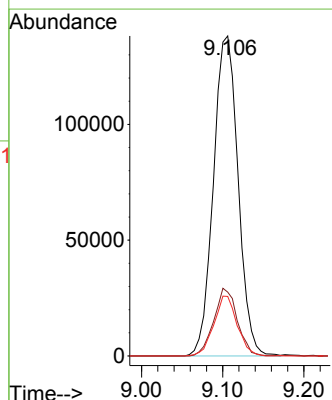
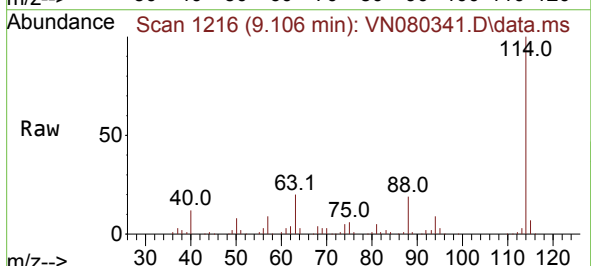
Tgt Ion: 114 Resp: 292383

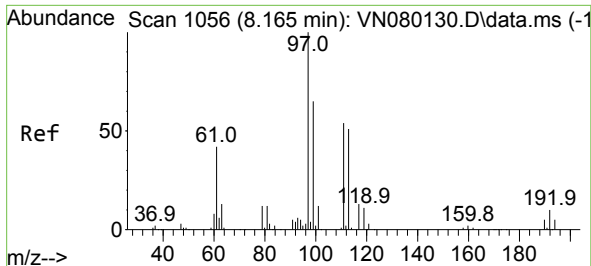
Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.4

88 18.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.448 ug/l

RT: 8.171 min Scan# 110995

Delta R.T. 0.006 min

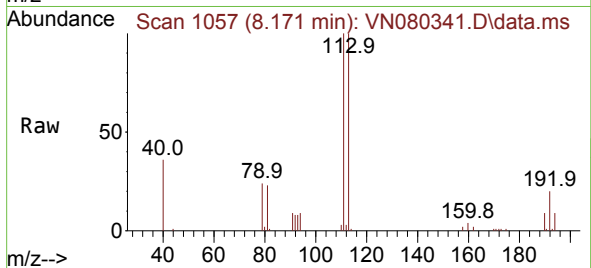
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Acq: 04 Dec 2023 16:21

Instrument :

MSVOA_N

ClientSampleId :



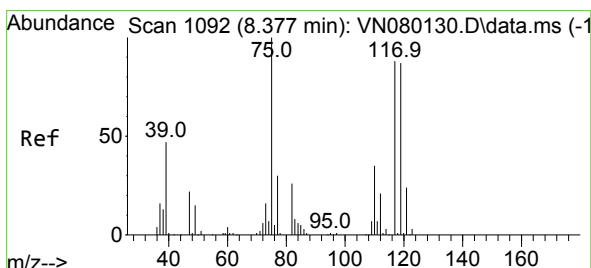
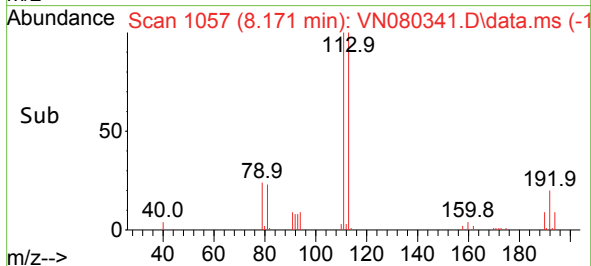
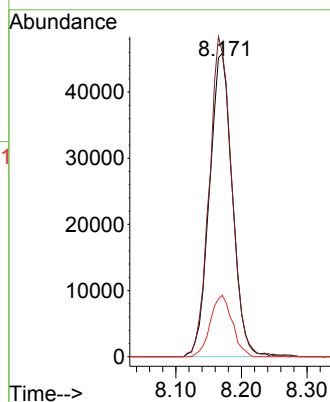
Tgt Ion:113 Resp: 110995

Ion Ratio Lower Upper

113 100

111 103.8 82.6 123.8

192 19.4 12.7 19.1#



#36

1,1-Dichloropropene

Concen: 4.103 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.159 min

Lab File: VN080341.D

Acq: 04 Dec 2023 16:21

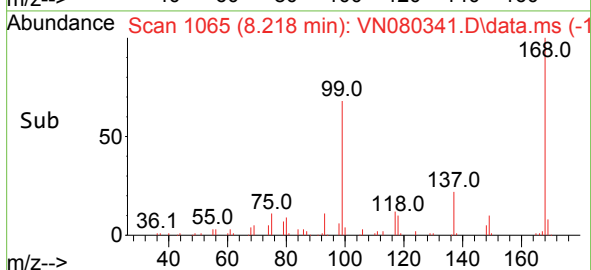
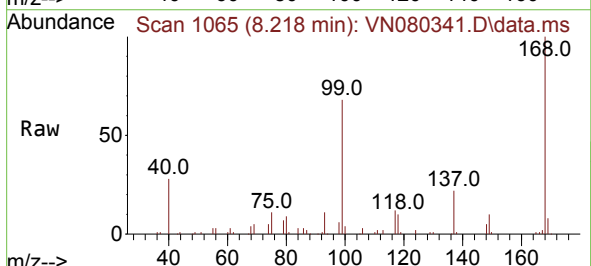
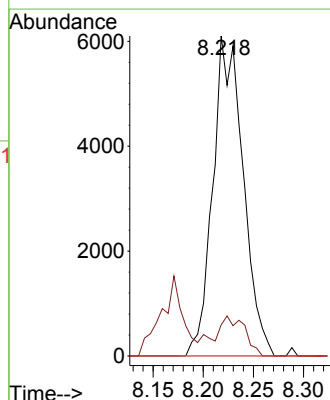
Tgt Ion: 75 Resp: 12815

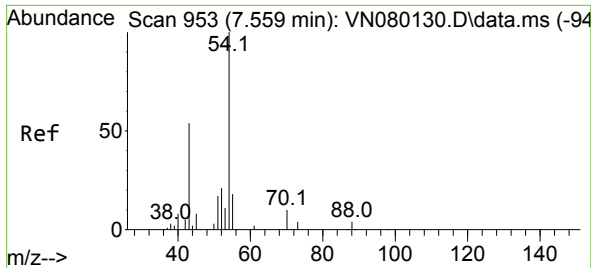
Ion Ratio Lower Upper

75 100

110 9.8 19.1 57.3#

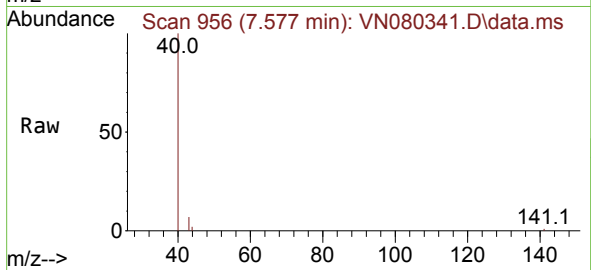
77 0.0 25.0 37.4#



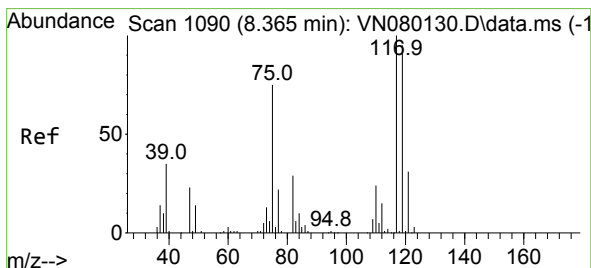
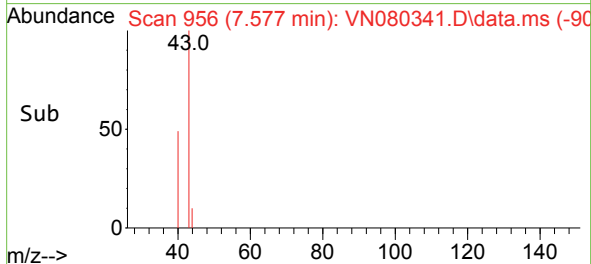
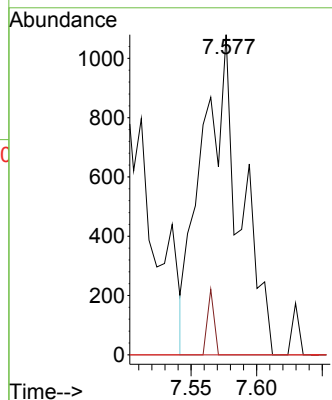


#37
Ethyl Acetate
Concen: 1.012 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN080341.D
Acq: 04 Dec 2023 16:21

Instrument :
MSVOA_N
ClientSampleId :

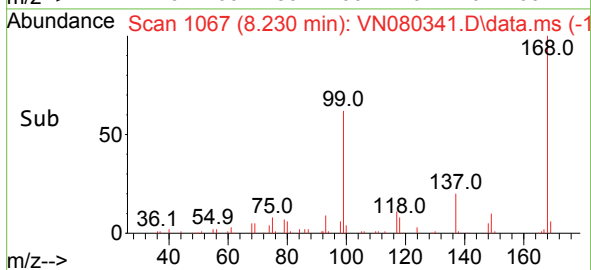
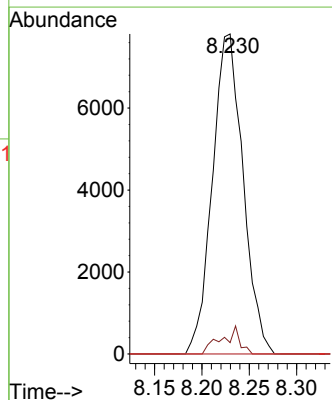
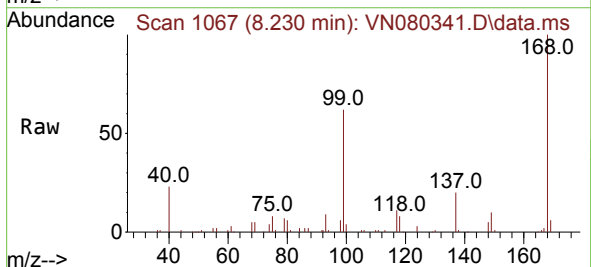


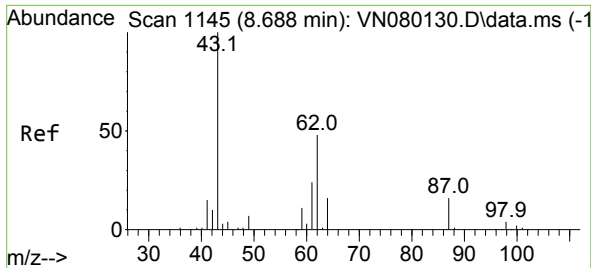
Tgt Ion: 43 Resp: 2192
Ion Ratio Lower Upper
43 100
61 3.6 13.2 19.8#
70 0.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.433 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN080341.D
Acq: 04 Dec 2023 16:21

Tgt Ion: 117 Resp: 17571
Ion Ratio Lower Upper
117 100
119 3.5 77.3 115.9#
121 0.0 23.3 34.9#

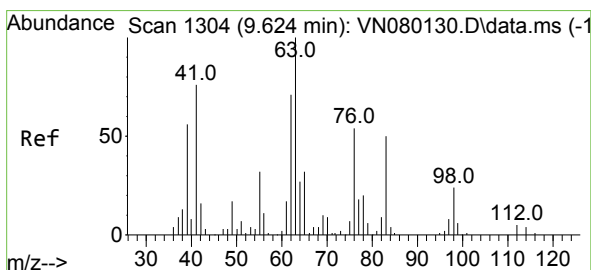
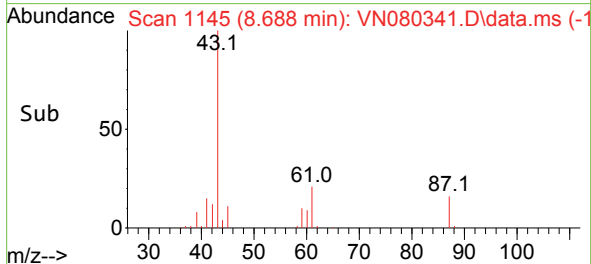
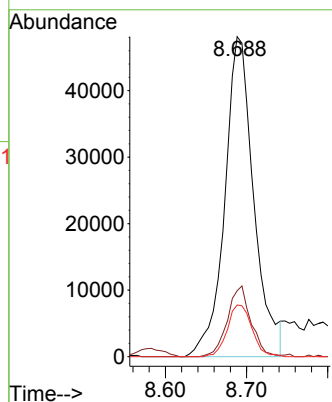
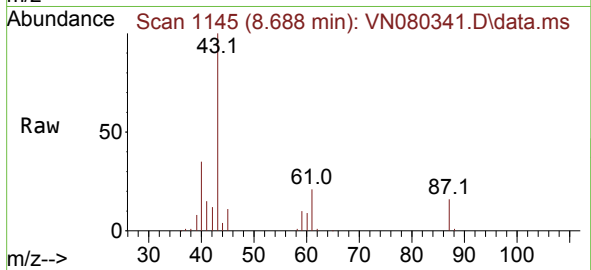




#43
Isopropyl Acetate
Concen: 28.314 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN080341.D
Acq: 04 Dec 2023 16:21

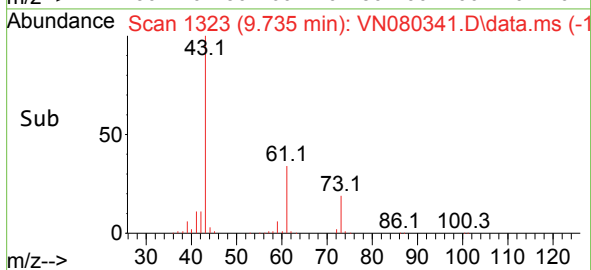
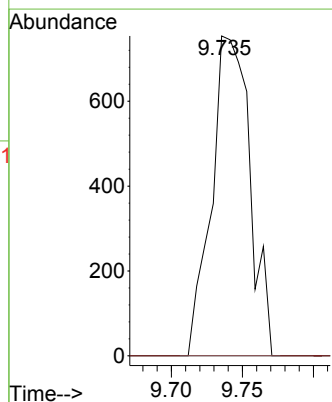
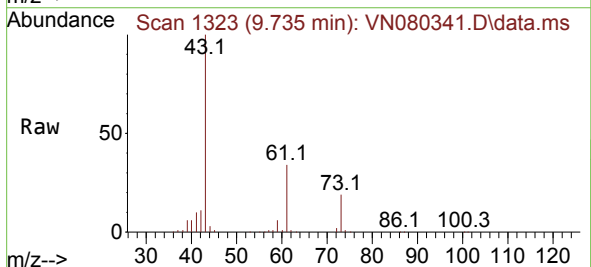
Instrument :
MSVOA_N
ClientSampleId :

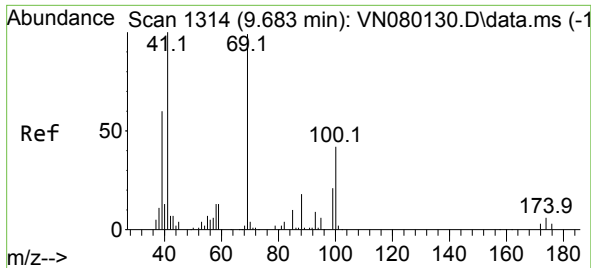
Tgt Ion: 43 Resp: 119375
Ion Ratio Lower Upper
43 100
61 17.9 24.7 37.1#
87 13.7 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.687 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.112 min
Lab File: VN080341.D
Acq: 04 Dec 2023 16:21

Tgt Ion: 63 Resp: 1417
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

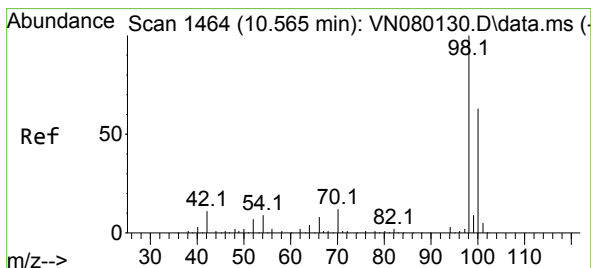
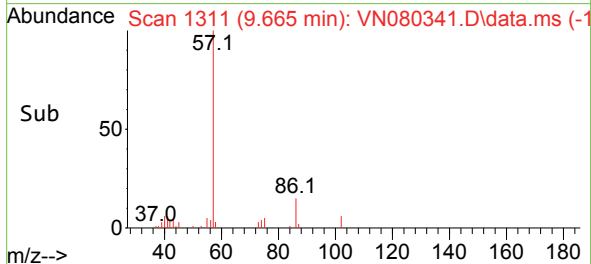
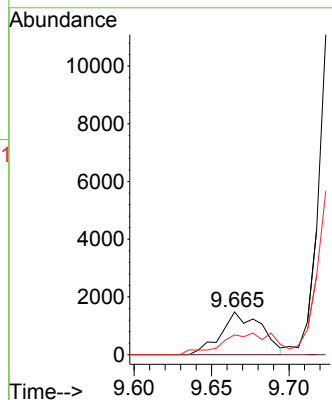
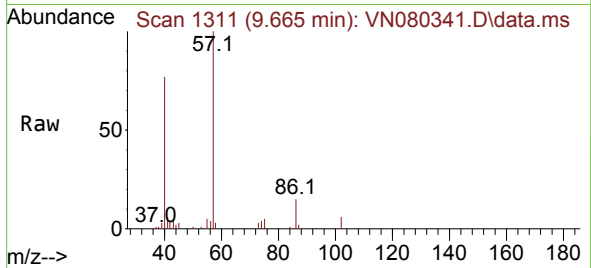




#48
Methyl methacrylate
Concen: 1.231 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN080341.D
Acq: 04 Dec 2023 16:21

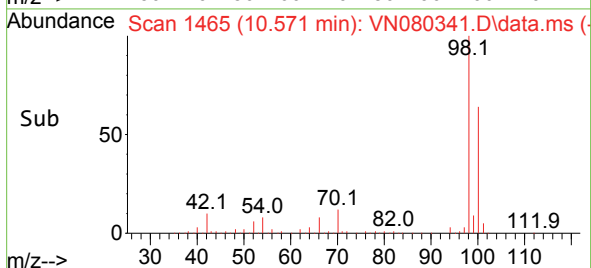
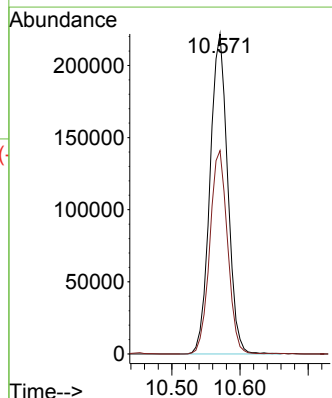
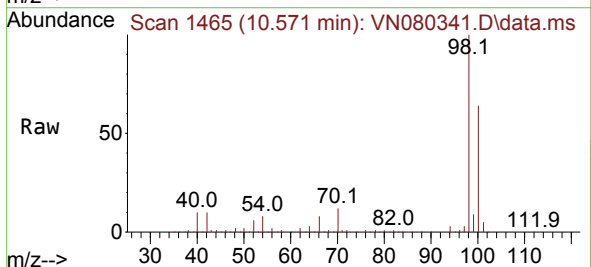
Instrument :
MSVOA_N
ClientSampleId :

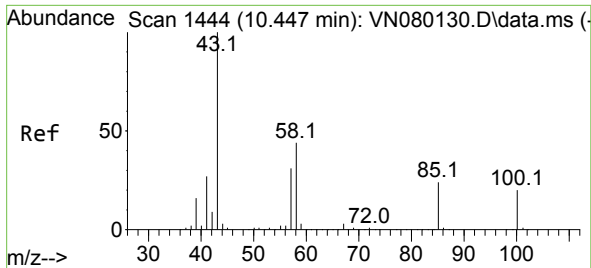
Tgt Ion: 41 Resp: 2675
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 67.4 54.6 81.8



#50
Toluene-d8
Concen: 51.437 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080341.D
Acq: 04 Dec 2023 16:21

Tgt Ion: 98 Resp: 400027
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 2.159 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.006 min

Lab File: VN080341.D

Acq: 04 Dec 2023 16:21

Instrument :

MSVOA_N

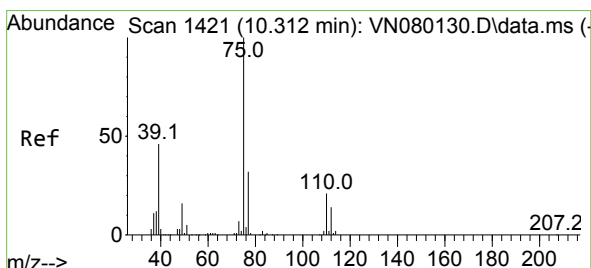
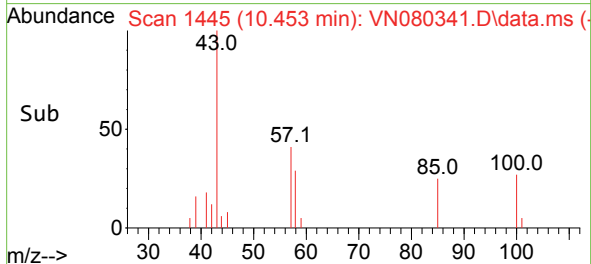
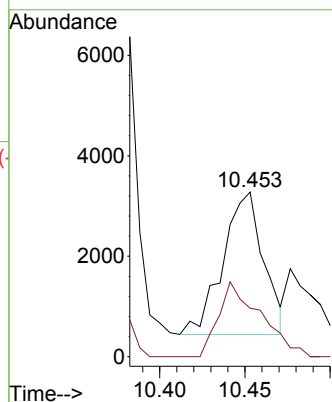
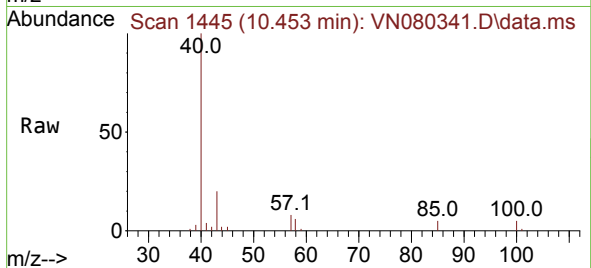
ClientSampleId :

Tgt Ion: 43 Resp: 4713

Ion Ratio Lower Upper

43 100

58 54.4 36.6 54.8



#54

cis-1,3-Dichloropropene

Concen: 10.736 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. 0.047 min

Lab File: VN080341.D

Acq: 04 Dec 2023 16:21

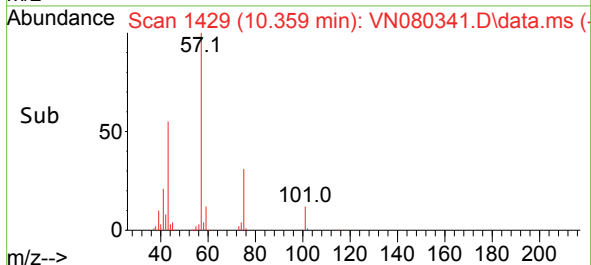
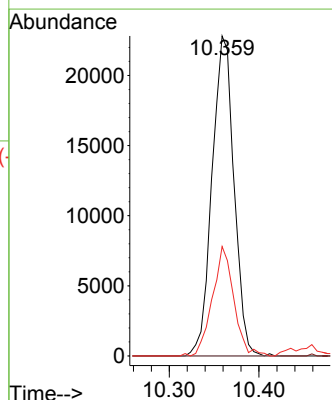
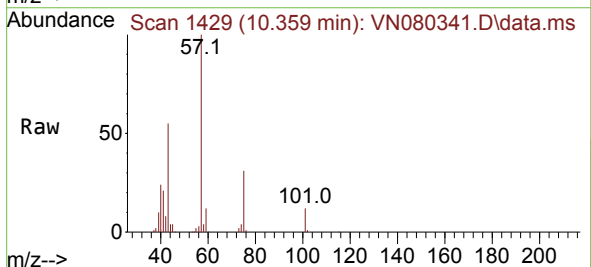
Tgt Ion: 75 Resp: 38713

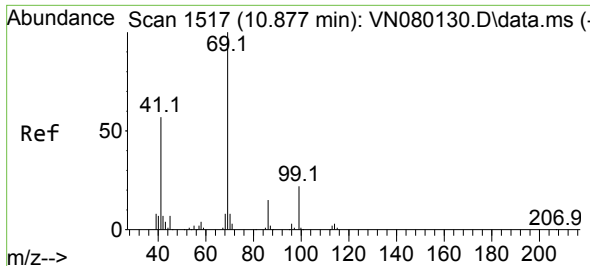
Ion Ratio Lower Upper

75 100

77 0.0 26.1 39.1#

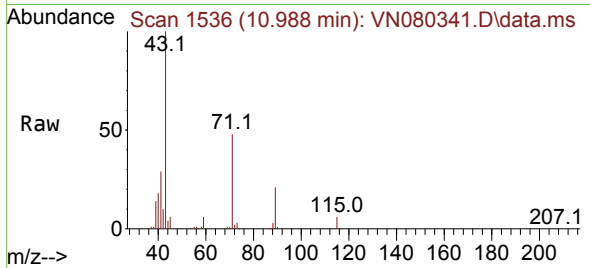
39 34.2 31.6 47.4



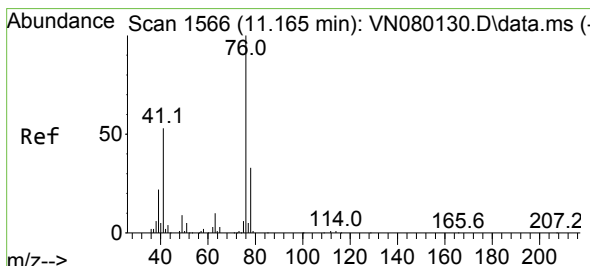
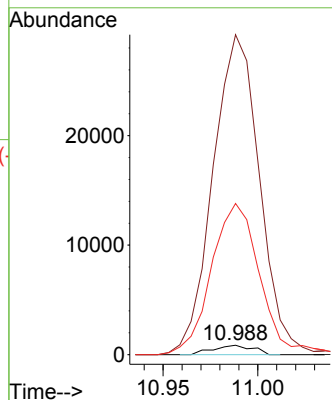
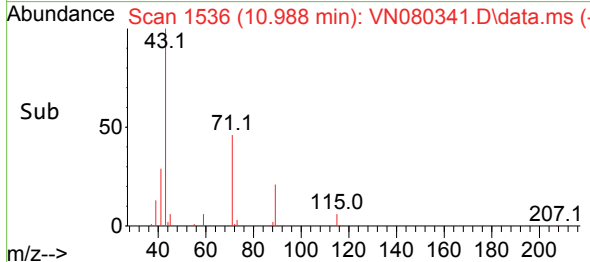


#56
Ethyl methacrylate
Concen: 0.583 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN080341.D
Acq: 04 Dec 2023 16:21

Instrument :
MSVOA_N
ClientSampleId :

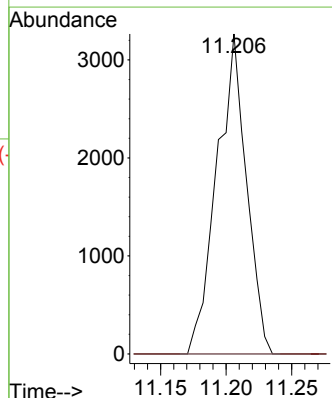
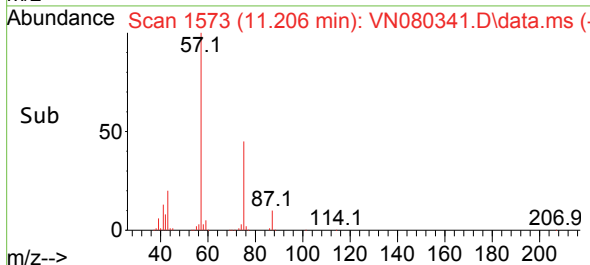
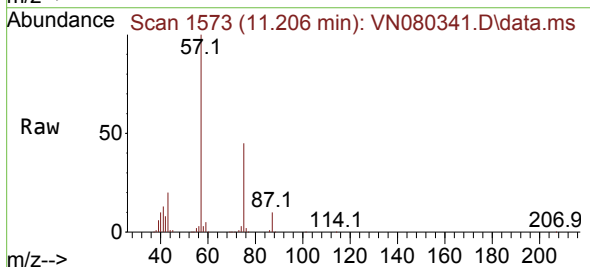


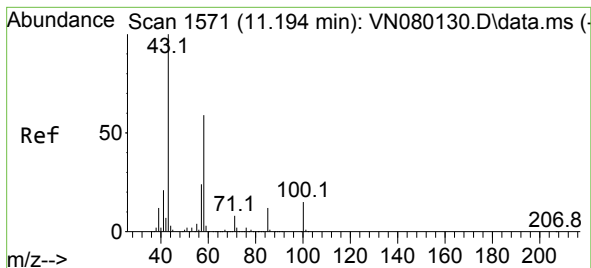
Tgt Ion: 69 Resp: 1262
Ion Ratio Lower Upper
69 100
41 3983.5 39.6 59.4#
39 1950.2 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.386 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080341.D
Acq: 04 Dec 2023 16:21

Tgt Ion: 76 Resp: 5130
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

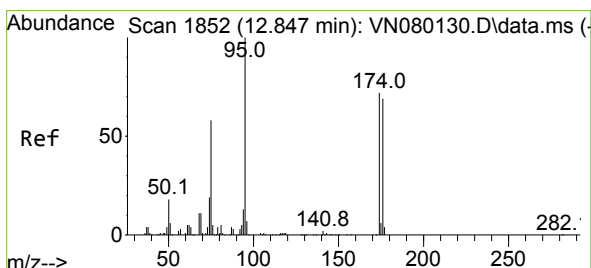
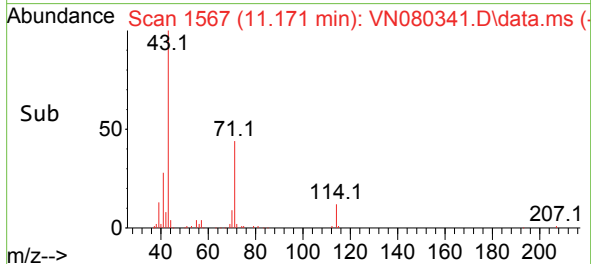
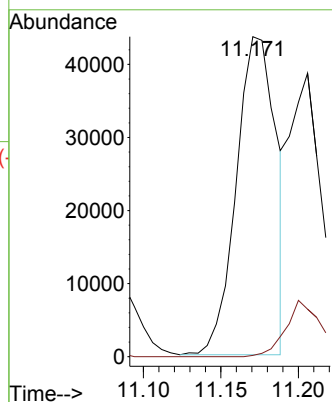
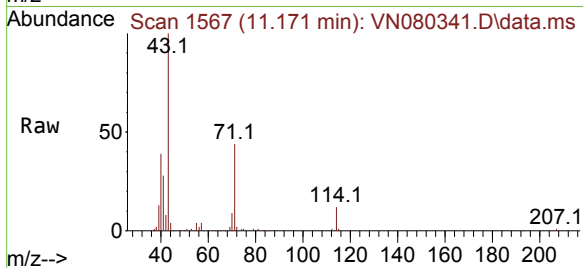




#59
2-Hexanone
Concen: 44.333 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN080341.D
Acq: 04 Dec 2023 16:21

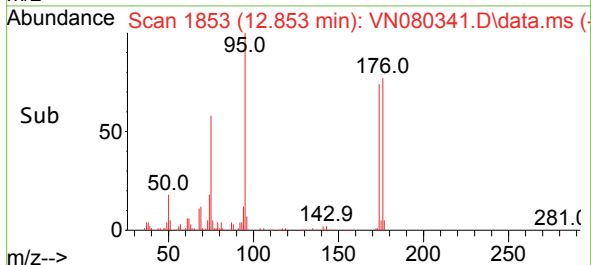
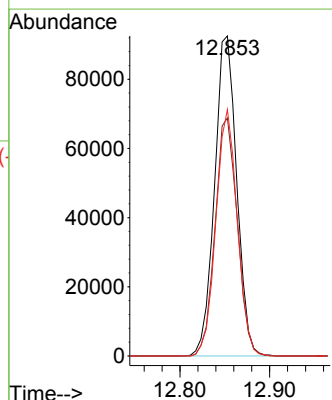
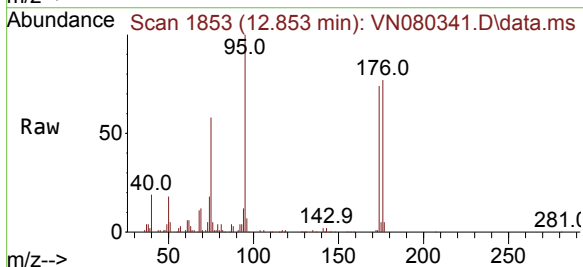
Instrument :
MSVOA_N
ClientSampleId :

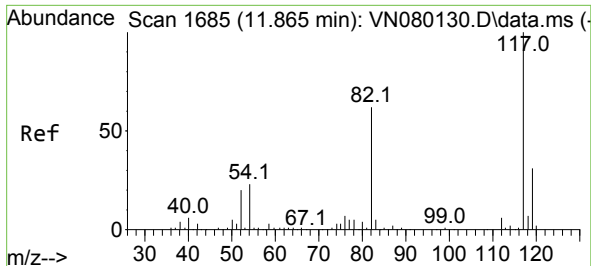
Tgt Ion: 43 Resp: 77759
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 53.905 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080341.D
Acq: 04 Dec 2023 16:21

Tgt Ion: 95 Resp: 158346
Ion Ratio Lower Upper
95 100
174 74.7 0.0 143.8
176 74.2 0.0 135.8

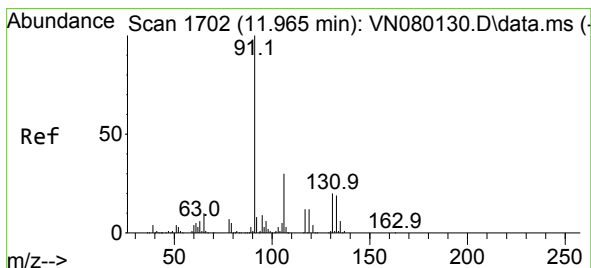
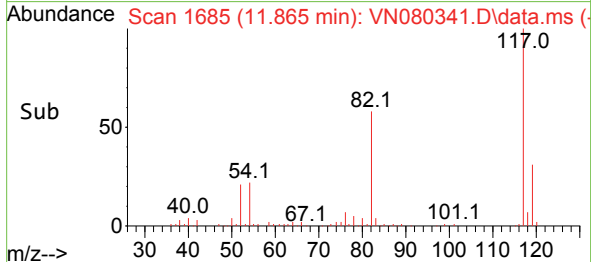
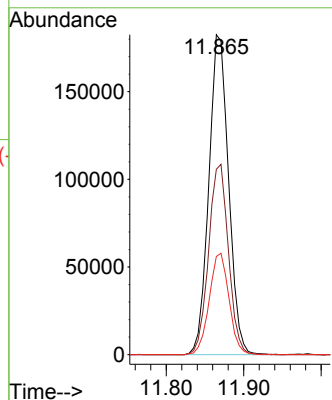
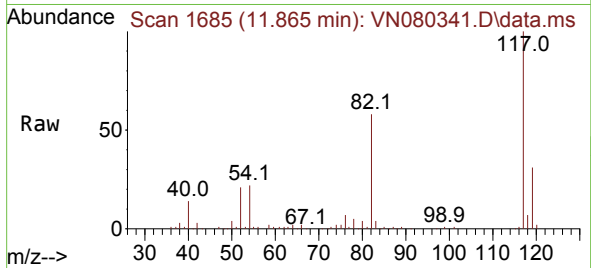




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN080341.D
Acq: 04 Dec 2023 16:21

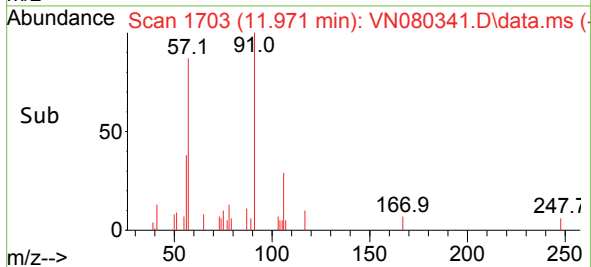
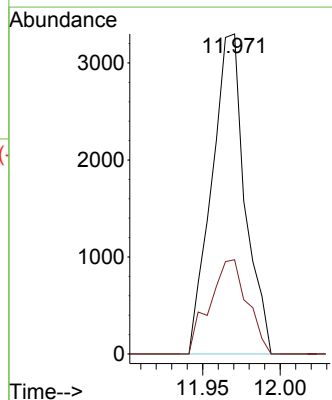
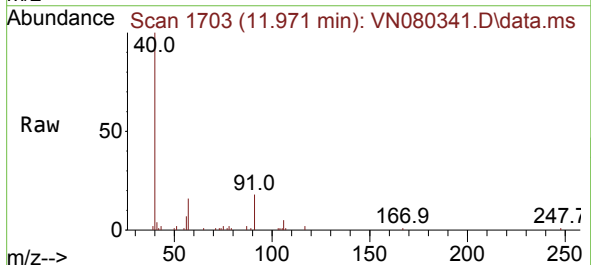
Instrument :
MSVOA_N
ClientSampleId :

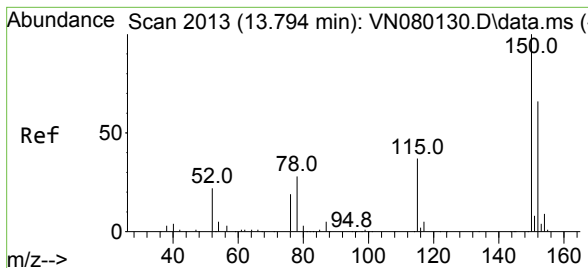
Tgt Ion:117 Resp: 323040
Ion Ratio Lower Upper
117 100
82 58.0 44.0 66.0
119 30.7 25.6 38.4



#67
Ethyl Benzene
Concen: 0.379 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.006 min
Lab File: VN080341.D
Acq: 04 Dec 2023 16:21

Tgt Ion: 91 Resp: 4937
Ion Ratio Lower Upper
91 100
106 29.5 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN080341.D

Acq: 04 Dec 2023 16:21

Instrument :

MSVOA_N

ClientSampleId :

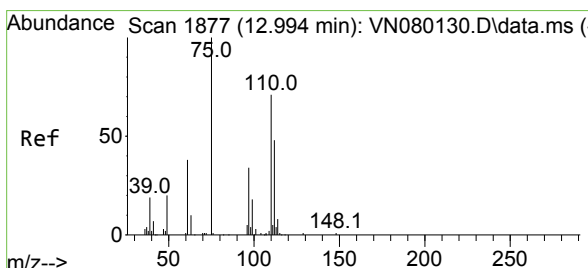
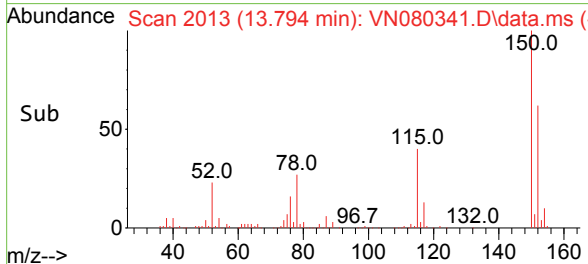
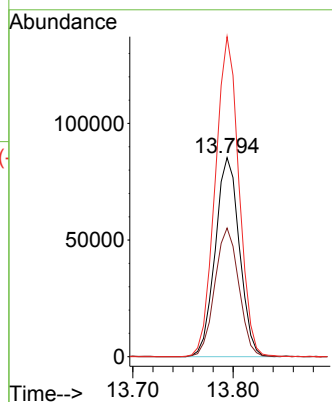
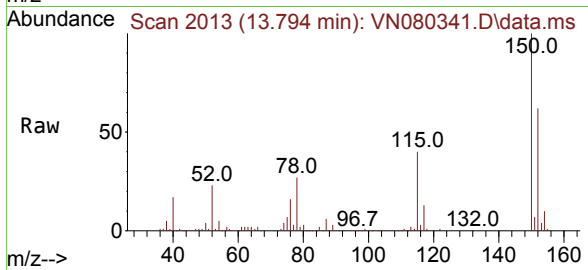
Tgt Ion:152 Resp: 142596

Ion Ratio Lower Upper

152 100

115 64.1 32.3 96.8

150 157.7 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 26.084 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080341.D

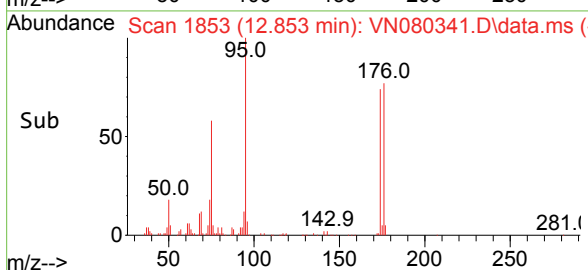
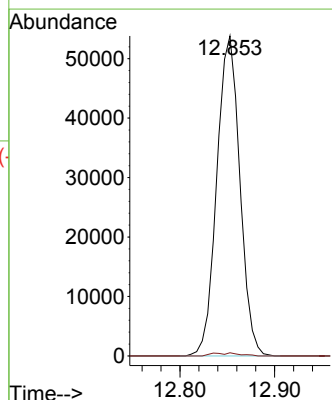
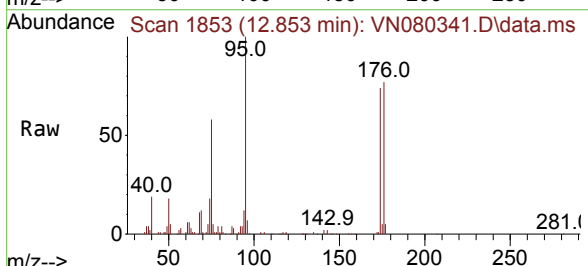
Acq: 04 Dec 2023 16:21

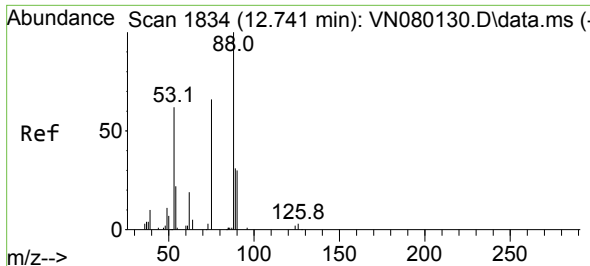
Tgt Ion: 75 Resp: 91133

Ion Ratio Lower Upper

75 100

77 0.6 84.5 253.5#

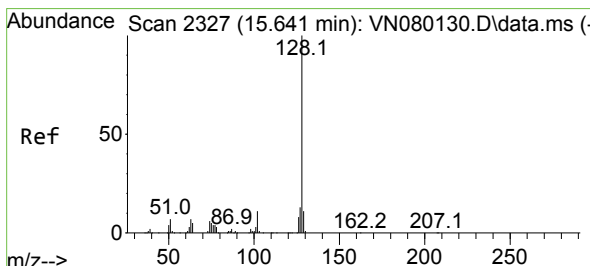
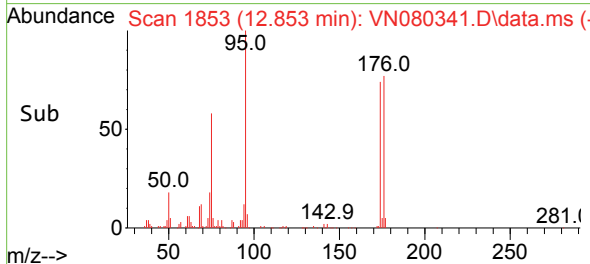
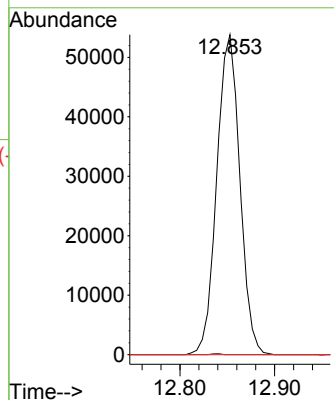
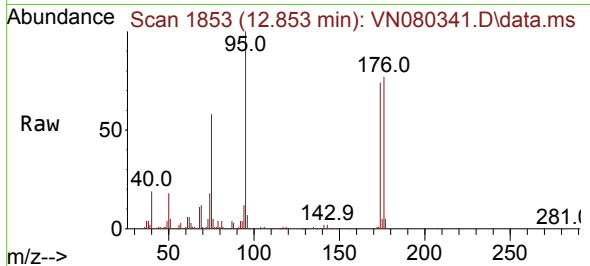




#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.127 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN080341.D
 Acq: 04 Dec 2023 16:21

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 91133
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#



#95
 Naphthalene
 Concen: 23.405 ug/l
 RT: 15.647 min Scan# 2328
 Delta R.T. 0.006 min
 Lab File: VN080341.D
 Acq: 04 Dec 2023 16:21

Tgt Ion:128 Resp: 190129
 Ion Ratio Lower Upper
 128 100
 127 13.4 10.0 15.0
 129 10.6 8.7 13.1

