

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081023\
 Data File : VN078842.D
 Acq On : 10 Aug 2023 17:09
 Operator : JC\MD
 Sample : PB154726ZHE#13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 23:54:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080723W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 05:03:52 2023
 Response via : Initial Calibration

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

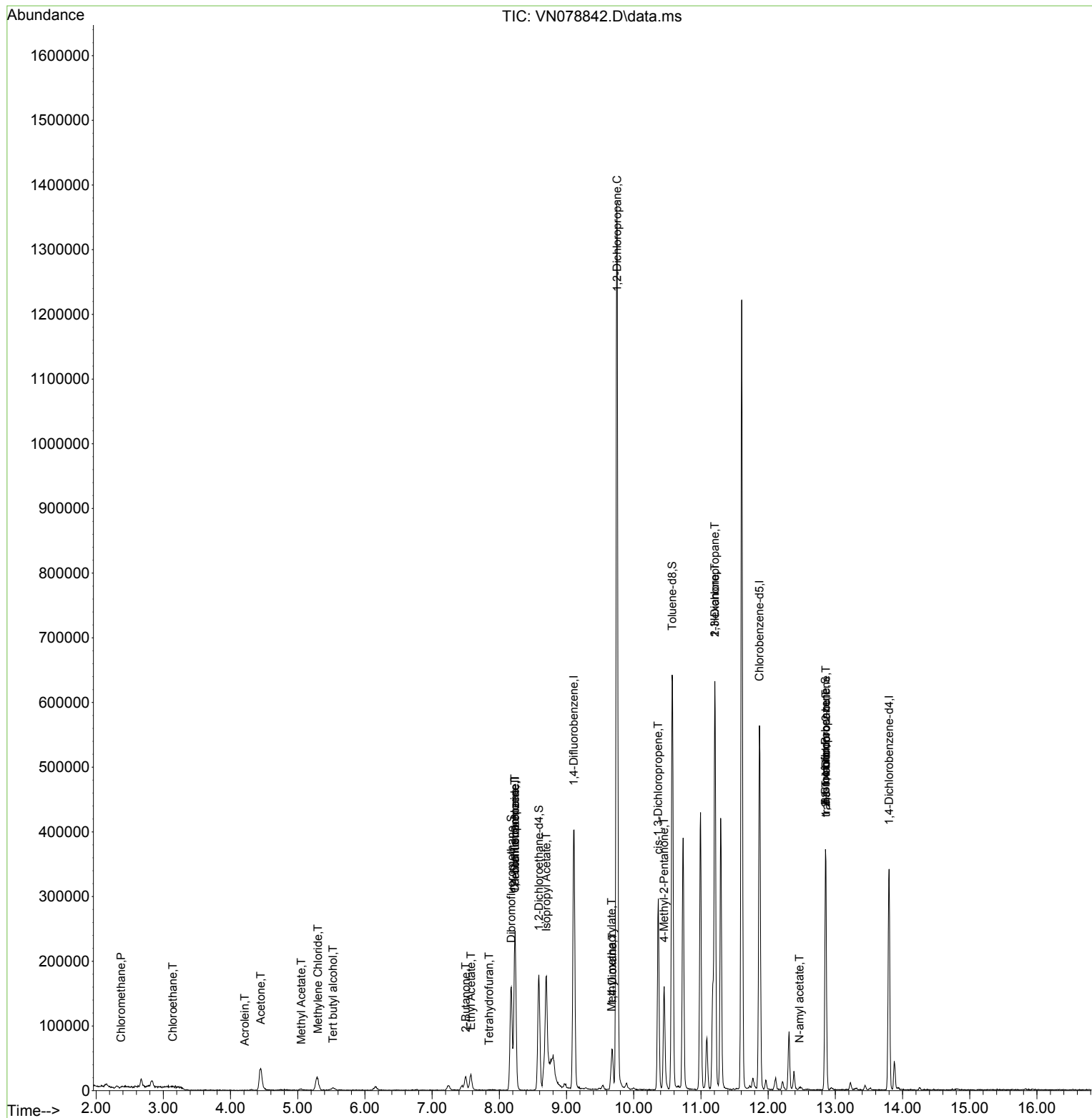
Internal Standards						
1) Pentafluorobenzene	8.236	168	170199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	339530	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	312876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	84337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	138426	54.252	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.500%	
35) Dibromofluoromethane	8.177	113	111608	48.676	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.360%	
50) Toluene-d8	10.571	98	433012	51.318	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.640%	
62) 4-Bromofluorobenzene	12.853	95	116622	46.247	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.500%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	801	0.273	ug/l #	84
6) Chloroethane	3.142	64	381	0.209	ug/l #	43
11) Tert butyl alcohol	5.524	59	4846	10.822	ug/l #	84
13) Acrolein	4.212	56	95	0.251	ug/l #	16
16) Acetone	4.448	43	68445	69.719	ug/l	94
18) Methyl Acetate	5.053	43	4424	1.003	ug/l #	42
20) Methylene Chloride	5.300	84	14860	6.112	ug/l #	79
25) 2-Butanone	7.500	43	33866	20.371	ug/l #	73
29) Tetrahydrofuran	7.847	42	303	0.272	ug/l #	32
36) 1,1-Dichloropropene	8.230	75	15597	4.385	ug/l #	49
37) Ethyl Acetate	7.577	43	36051	9.532	ug/l #	91
38) Carbon Tetrachloride	8.230	117	18974	5.174	ug/l #	17
43) Isopropyl Acetate	8.700	43	238888	37.463	ug/l #	70
45) 1,2-Dichloropropane	9.753	63	1492	0.517	ug/l #	45
48) Methyl methacrylate	9.671	41	5201	1.765	ug/l #	32
49) 1,4-Dioxane	9.683	88	110	2.299	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	116055	29.714	ug/l #	83
54) cis-1,3-Dichloropropene	10.365	75	47464	11.190	ug/l #	67
57) 1,3-Dichloropropane	11.206	76	6193	1.364	ug/l #	42
59) 2-Hexanone	11.206	43	91995	33.264	ug/l #	48
71) Bromoform	12.853	173	990	0.514	ug/l #	1
74) N-amyl acetate	12.465	43	2451	0.651	ug/l #	36
76) 1,2,3-Trichloropropane	12.859	75	68219	29.918	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	68219	80.281	ug/l #	15

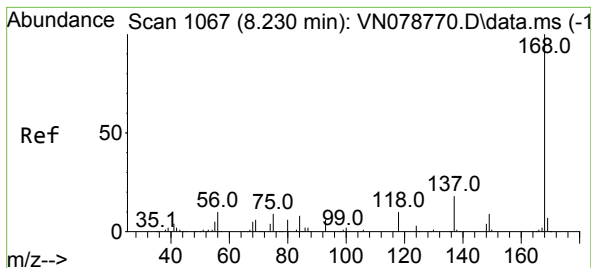
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 08 05:03:52 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078842.D

Acq: 10 Aug 2023 17:09

Instrument :

MSVOA_N

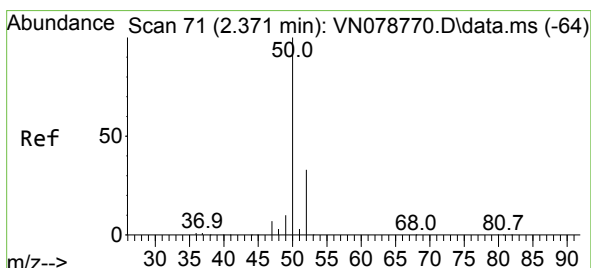
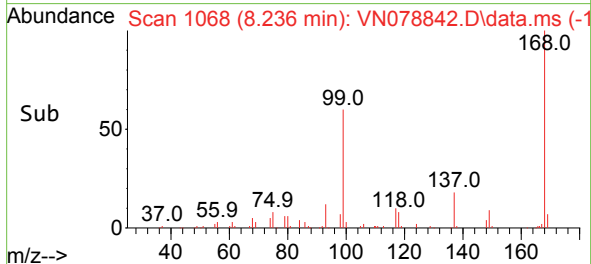
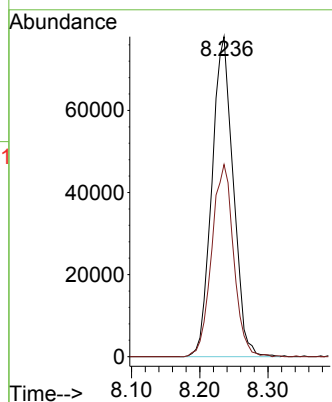
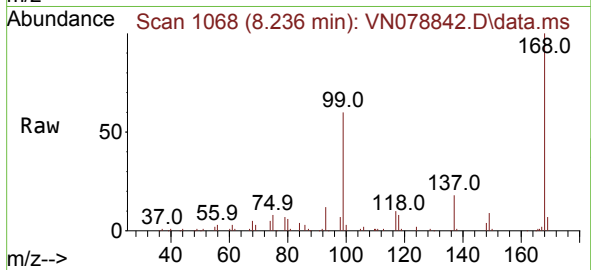
ClientSampleId :

Tgt Ion:168 Resp: 170199

Ion Ratio Lower Upper

168 100

99 60.0 53.0 79.6



#3

Chloromethane

Concen: 0.273 ug/l

RT: 2.371 min Scan# 71

Delta R.T. -0.000 min

Lab File: VN078842.D

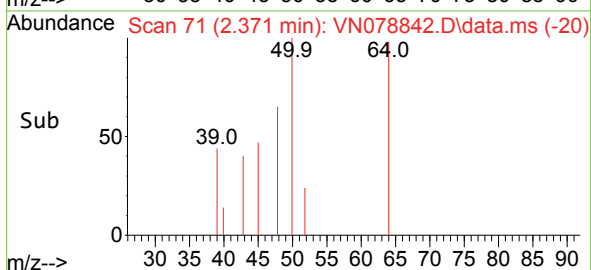
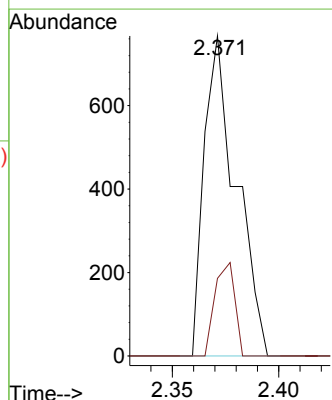
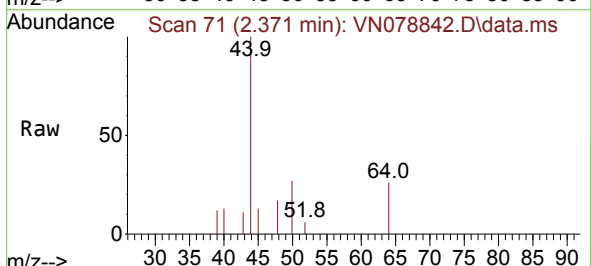
Acq: 10 Aug 2023 17:09

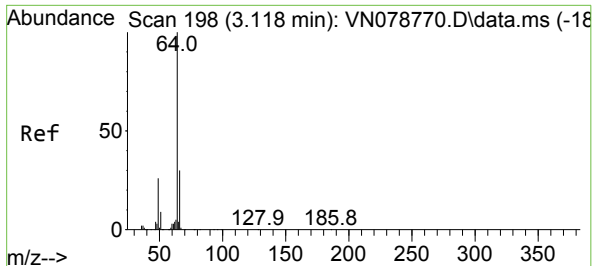
Tgt Ion: 50 Resp: 801

Ion Ratio Lower Upper

50 100

52 24.3 26.5 39.7#

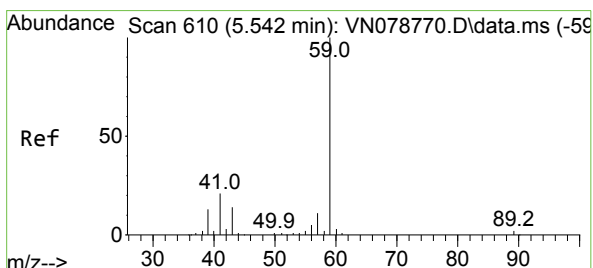
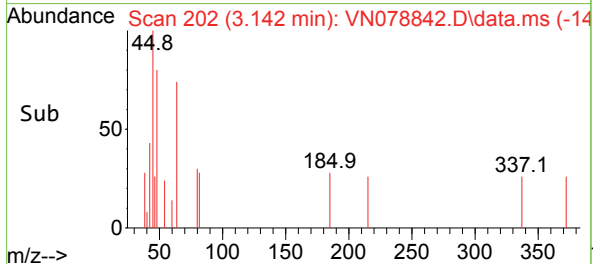
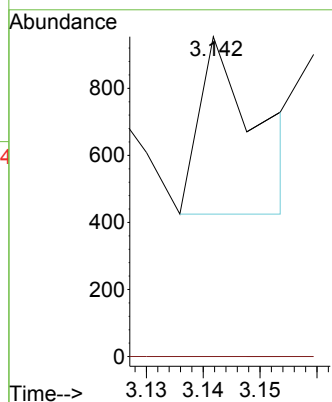
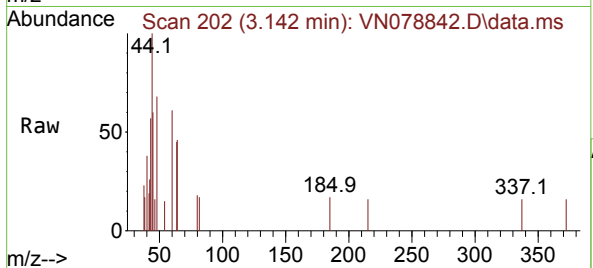




#6
Chloroethane
Concen: 0.209 ug/l
RT: 3.142 min Scan# 20
Delta R.T. 0.023 min
Lab File: VN078842.D
Acq: 10 Aug 2023 17:09

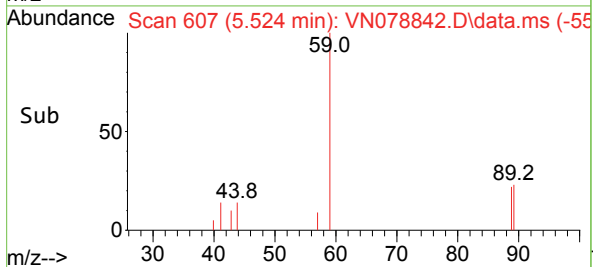
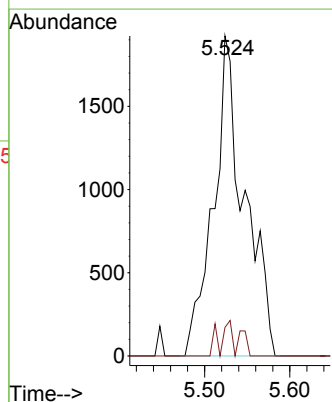
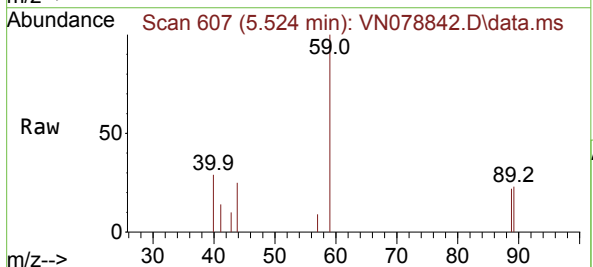
Instrument :
MSVOA_N
ClientSampleId :

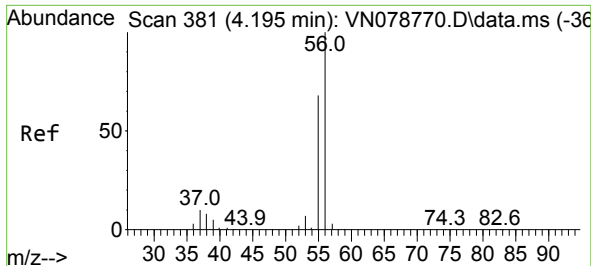
Tgt Ion: 64 Resp: 381
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 10.822 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.018 min
Lab File: VN078842.D
Acq: 10 Aug 2023 17:09

Tgt Ion: 59 Resp: 4846
Ion Ratio Lower Upper
59 100
57 4.2 8.2 12.4#

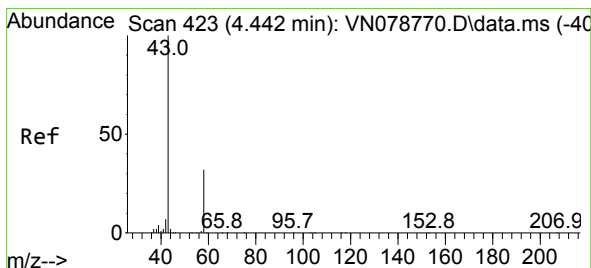
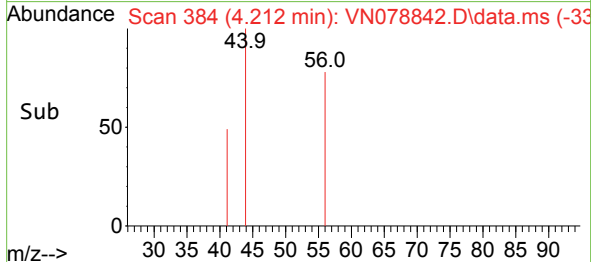
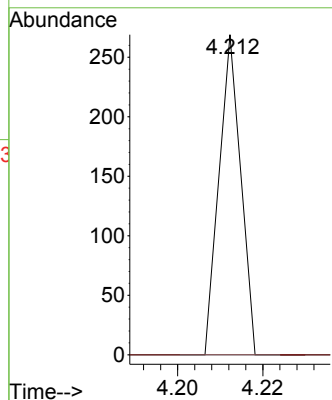
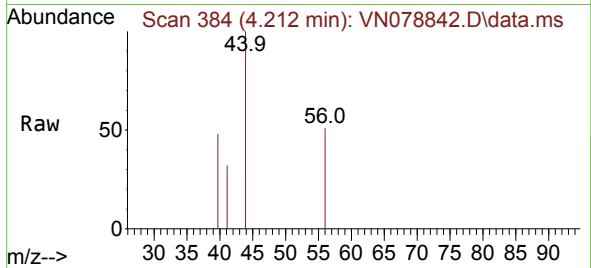




#13
Acrolein
Concen: 0.251 ug/l
RT: 4.212 min Scan# 381
Delta R.T. 0.017 min
Lab File: VN078842.D
Acq: 10 Aug 2023 17:09

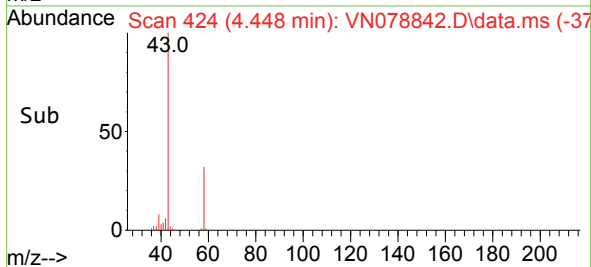
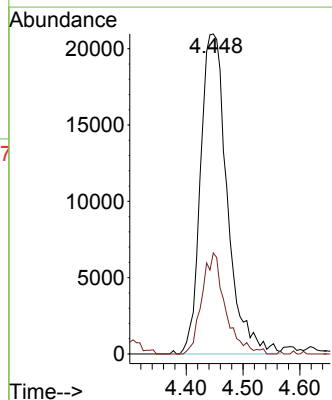
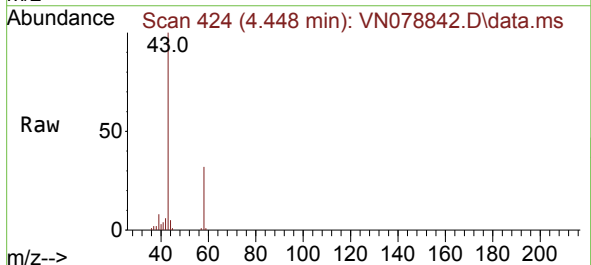
Instrument :
MSVOA_N
ClientSampleId :

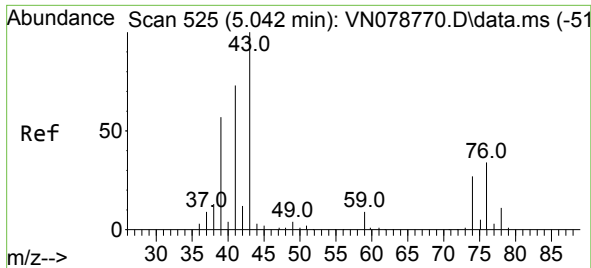
Tgt Ion: 56 Resp: 95
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 69.719 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.006 min
Lab File: VN078842.D
Acq: 10 Aug 2023 17:09

Tgt Ion: 43 Resp: 68445
Ion Ratio Lower Upper
43 100
58 31.5 28.0 42.0

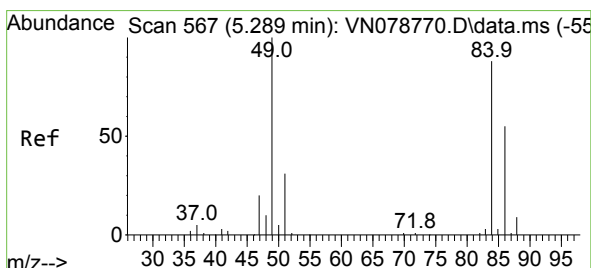
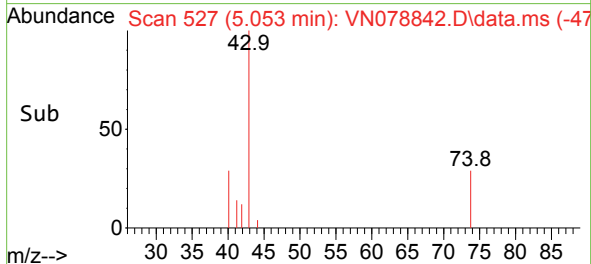
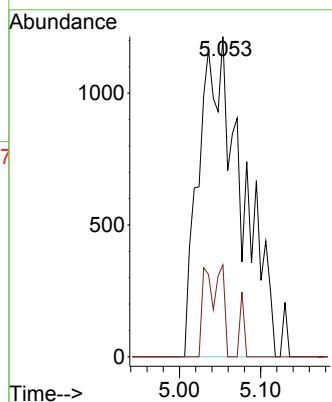
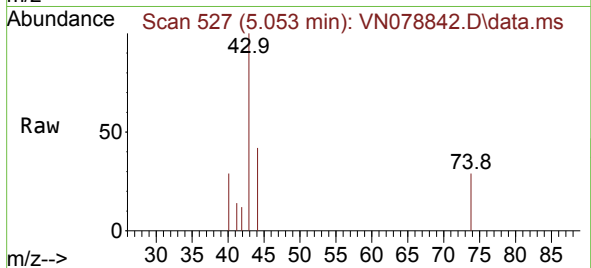




#18
Methyl Acetate
Concen: 1.003 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN078842.D
Acq: 10 Aug 2023 17:09

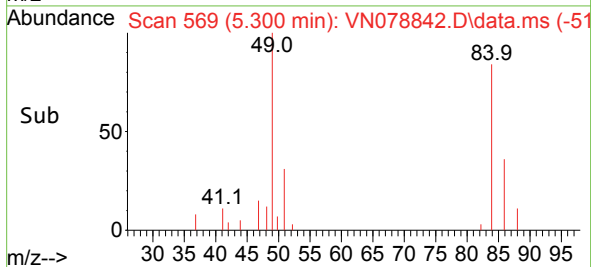
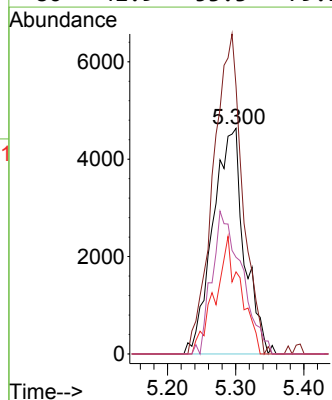
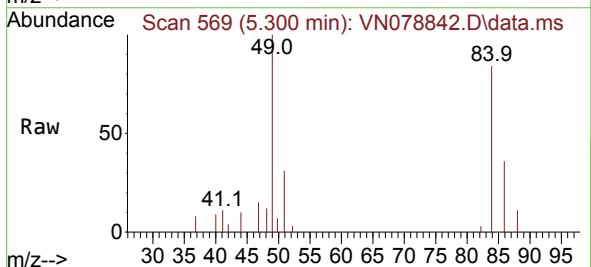
Instrument :
MSVOA_N
ClientSampleId :

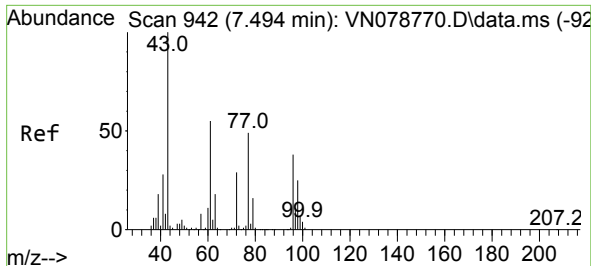
Tgt Ion: 43 Resp: 4424
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



#20
Methylene Chloride
Concen: 6.112 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.012 min
Lab File: VN078842.D
Acq: 10 Aug 2023 17:09

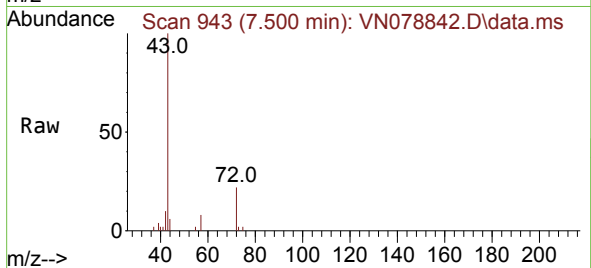
Tgt Ion: 84 Resp: 14860
Ion Ratio Lower Upper
84 100
49 118.6 79.7 119.5
51 36.4 25.2 37.8
86 42.9 53.3 79.9#



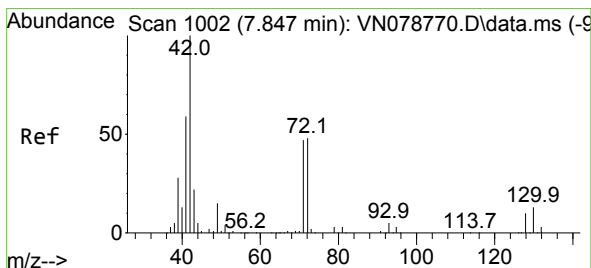
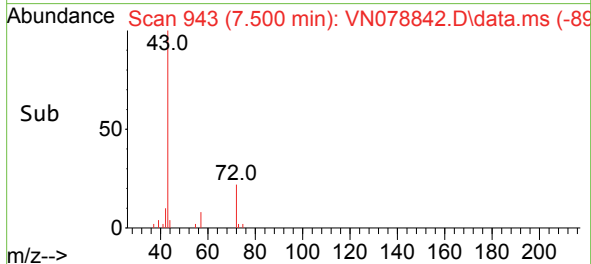
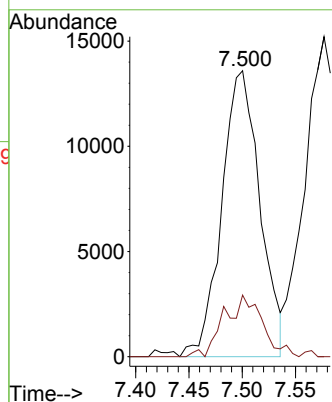


#25
2-Butanone
Concen: 20.371 ug/l
RT: 7.500 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN078842.D
Acq: 10 Aug 2023 17:09

Instrument :
MSVOA_N
ClientSampleId :

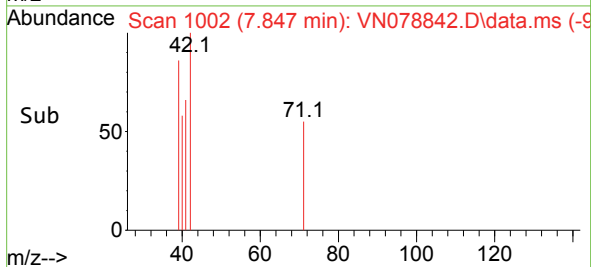
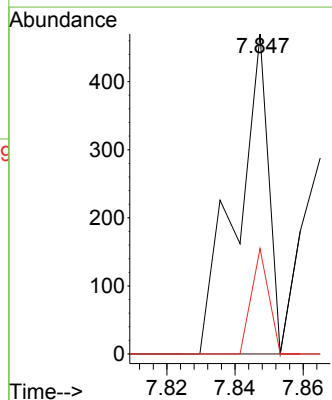
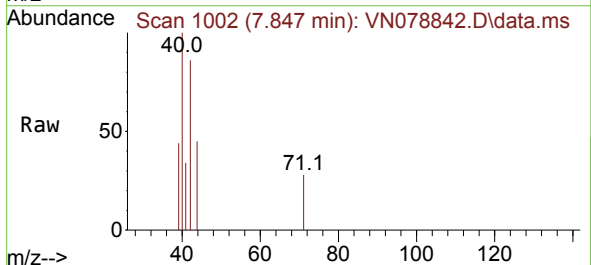


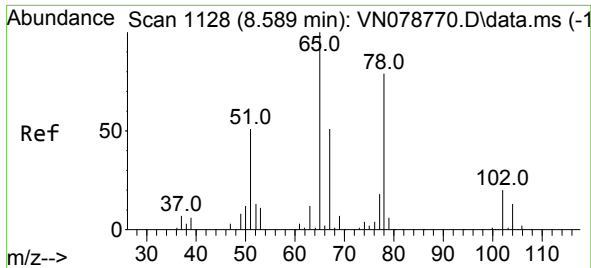
Tgt Ion: 43 Resp: 33866
Ion Ratio Lower Upper
43 100
72 21.5 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.272 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VN078842.D
Acq: 10 Aug 2023 17:09

Tgt Ion: 42 Resp: 303
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 18.2 47.4 71.2#





#33

1,2-Dichloroethane-d4

Concen: 54.252 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN078842.D

Acq: 10 Aug 2023 17:09

Instrument :

MSVOA_N

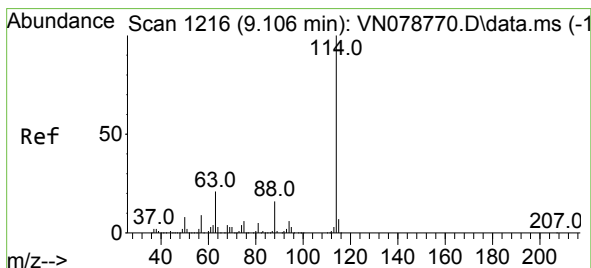
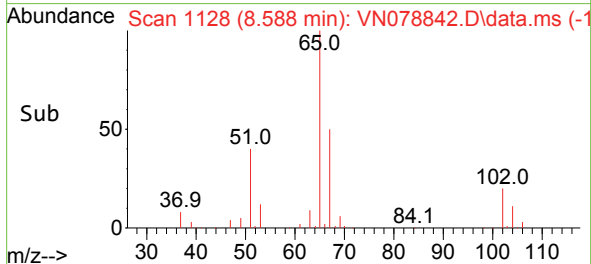
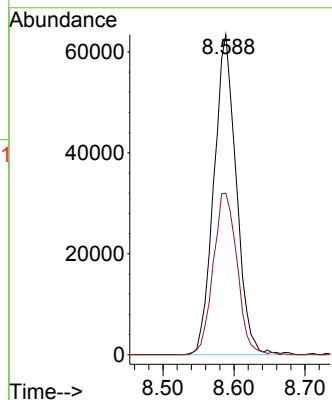
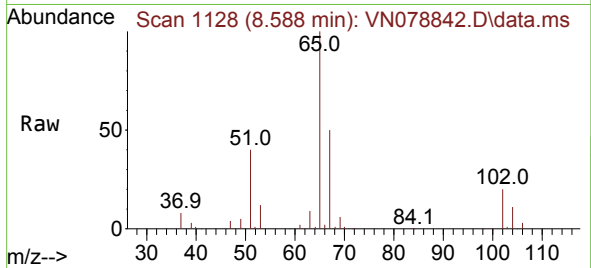
ClientSampleId :

Tgt Ion: 65 Resp: 138426

Ion Ratio Lower Upper

65 100

67 54.0 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: VN078842.D

Acq: 10 Aug 2023 17:09

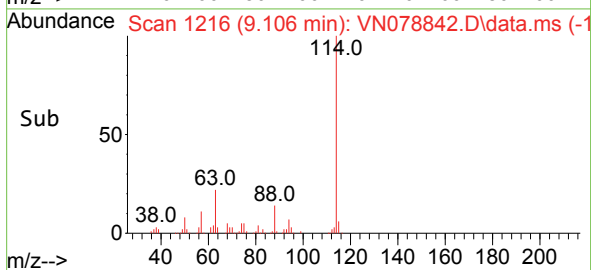
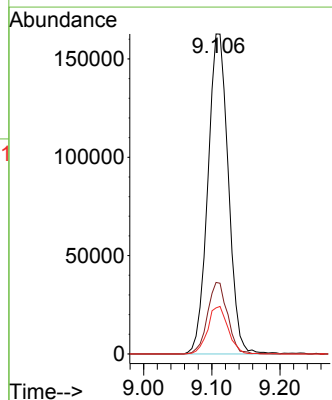
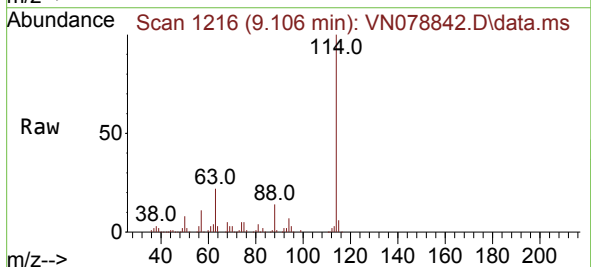
Tgt Ion: 114 Resp: 339530

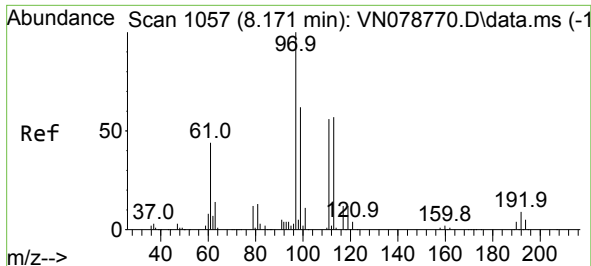
Ion Ratio Lower Upper

114 100

63 22.4 0.0 36.4

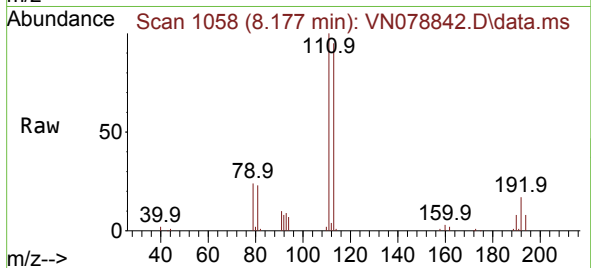
88 14.4 0.0 30.6



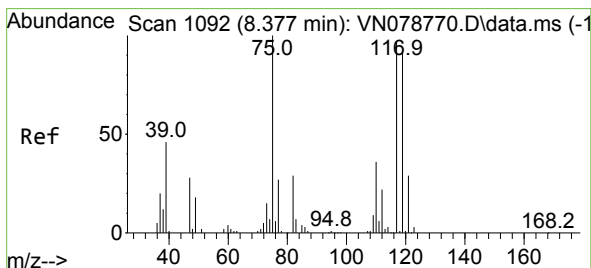
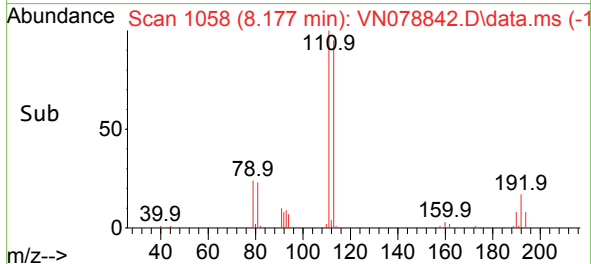
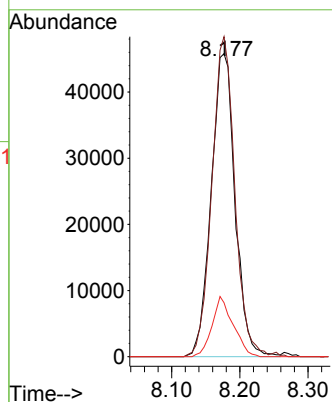


#35
 Dibromofluoromethane
 Concen: 48.676 ug/l
 RT: 8.177 min Scan# 111608
 Delta R.T. 0.006 min
 Lab File: VN078842.D
 Acq: 10 Aug 2023 17:09

Instrument :
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 ClientSampleId :

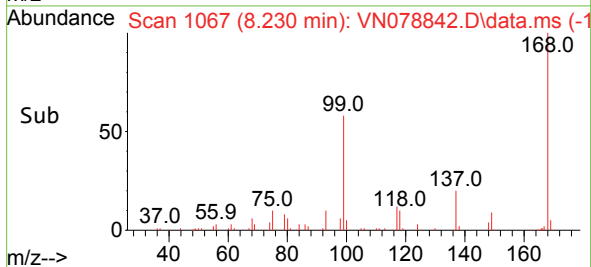
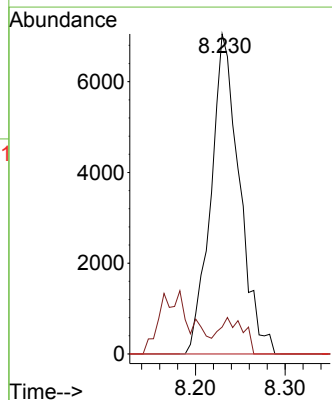
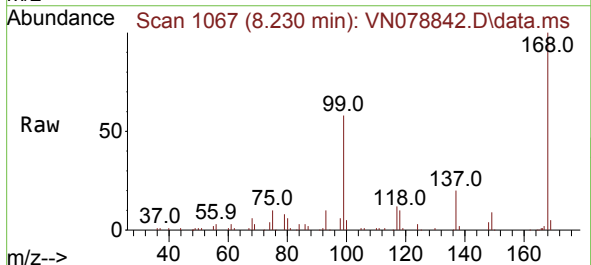


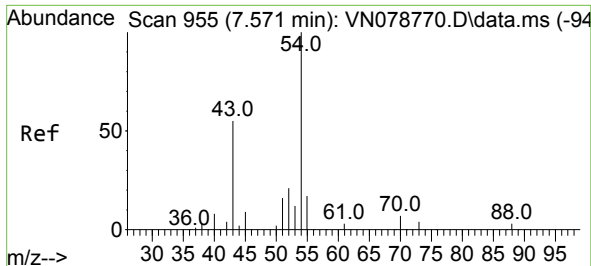
Tgt Ion: 113 Resp: 111608
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.6 123.8
 192 17.5 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 4.385 ug/l
 RT: 8.230 min Scan# 1067
 Delta R.T. -0.147 min
 Lab File: VN078842.D
 Acq: 10 Aug 2023 17:09

Tgt Ion: 75 Resp: 15597
 Ion Ratio Lower Upper
 75 100
 110 9.6 19.1 57.3#
 77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 9.532 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.006 min

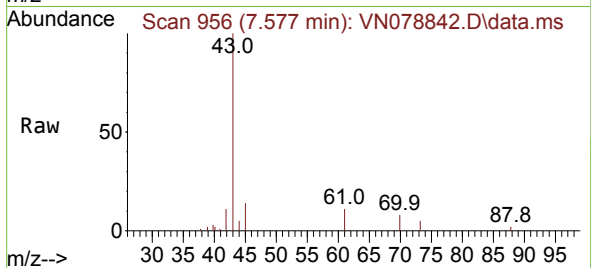
Lab File: VN078842.D

Acq: 10 Aug 2023 17:09

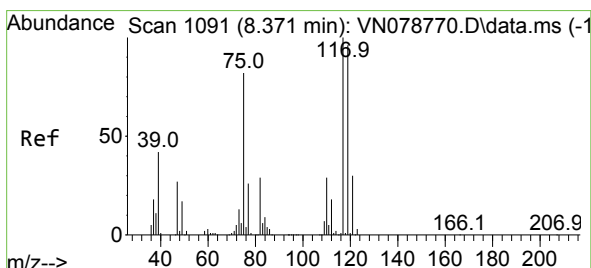
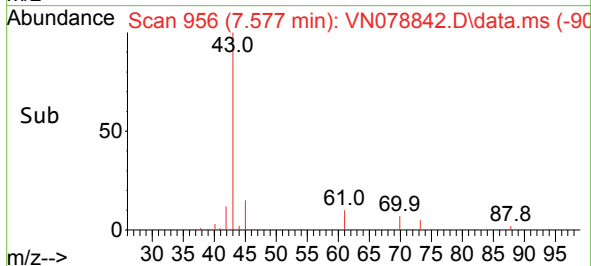
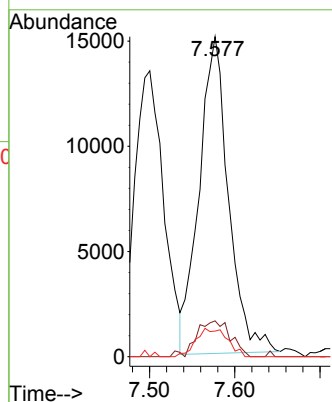
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	36051
Ion	Ratio	Lower	Upper
43	100		
61	13.2	13.2	19.8
70	9.5	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 5.174 ug/l

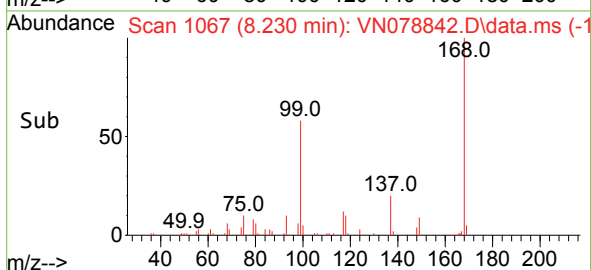
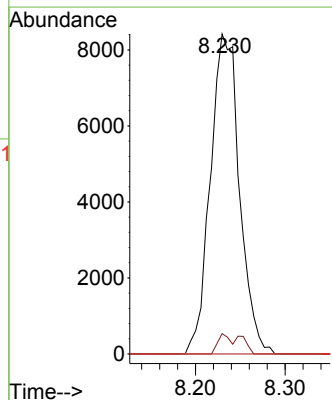
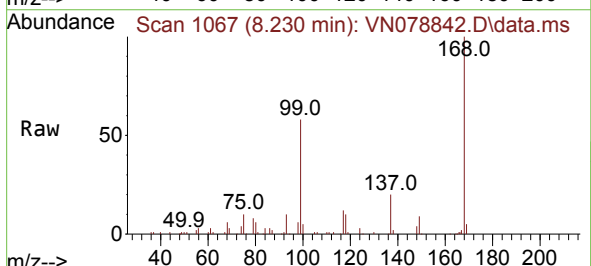
RT: 8.230 min Scan# 1067

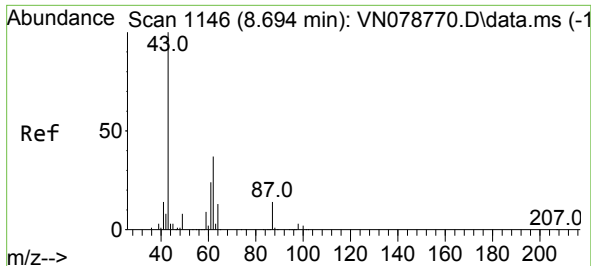
Delta R.T. -0.141 min

Lab File: VN078842.D

Acq: 10 Aug 2023 17:09

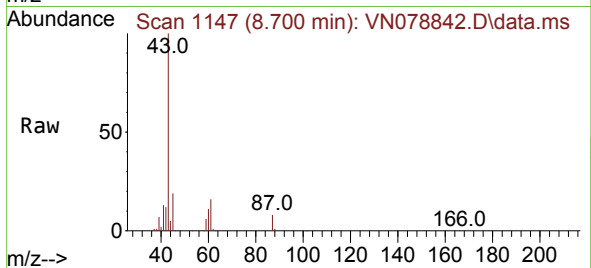
Tgt Ion:	117	Resp:	18974
Ion	Ratio	Lower	Upper
117	100		
119	6.3	77.3	115.9#
121	0.0	23.3	34.9#



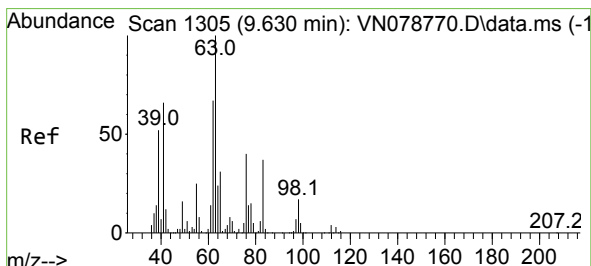
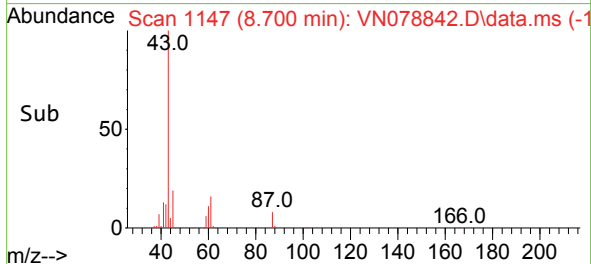
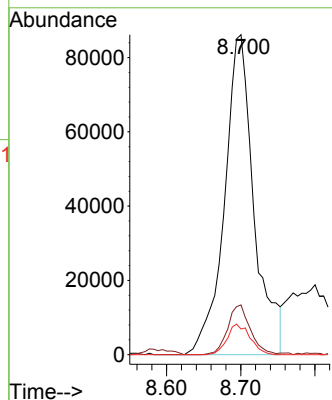


#43
Isopropyl Acetate
Concen: 37.463 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN078842.D
Acq: 10 Aug 2023 17:09

Instrument :
MSVOA_N
ClientSampleId :

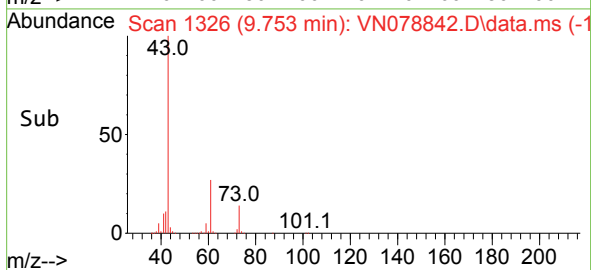
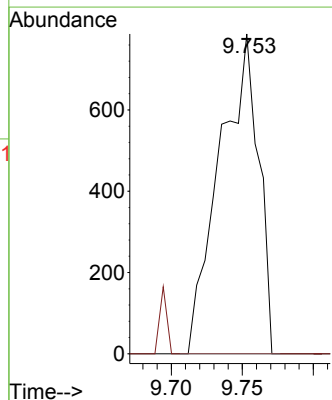
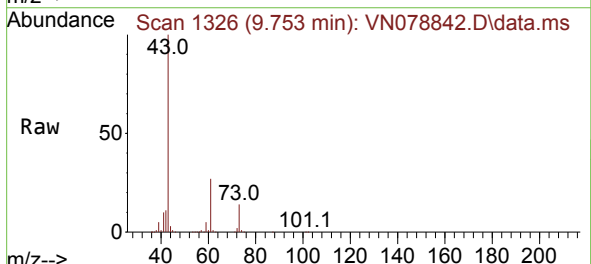


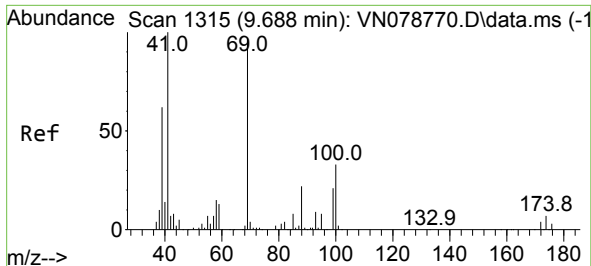
Tgt Ion: 43 Resp: 238888
Ion Ratio Lower Upper
43 100
61 12.1 24.7 37.1#
87 7.4 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.517 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.123 min
Lab File: VN078842.D
Acq: 10 Aug 2023 17:09

Tgt Ion: 63 Resp: 1492
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

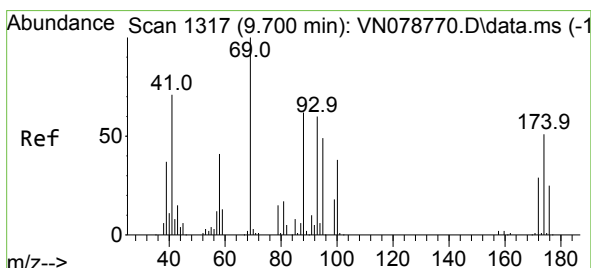
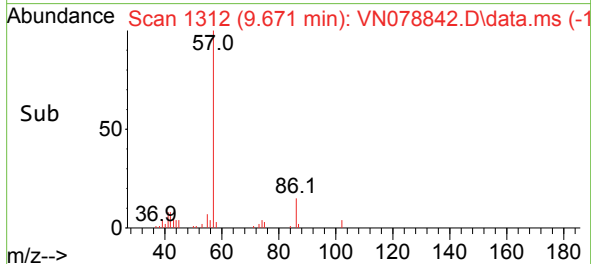
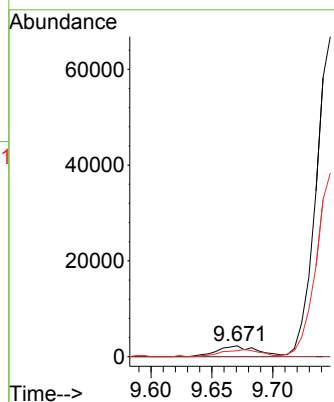
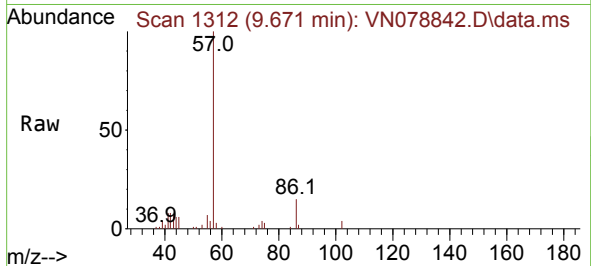




#48
Methyl methacrylate
Concen: 1.765 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.018 min
Lab File: VN078842.D
Acq: 10 Aug 2023 17:09

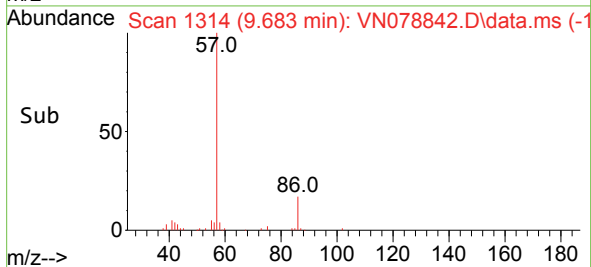
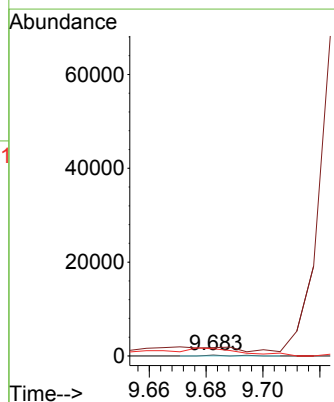
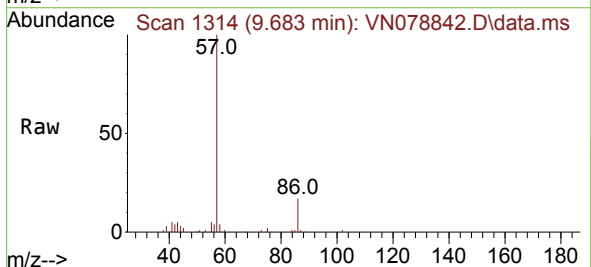
Instrument :
MSVOA_N
ClientSampleId :

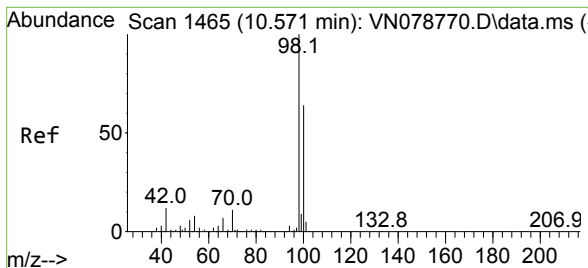
Tgt Ion: 41 Resp: 5201
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 62.3 54.6 81.8



#49
1,4-Dioxane
Concen: 2.299 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. -0.017 min
Lab File: VN078842.D
Acq: 10 Aug 2023 17:09

Tgt Ion: 88 Resp: 110
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 3492.7 47.0 70.4#

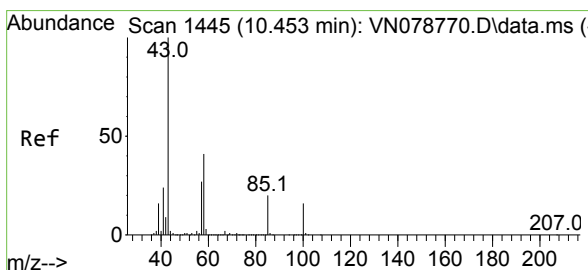
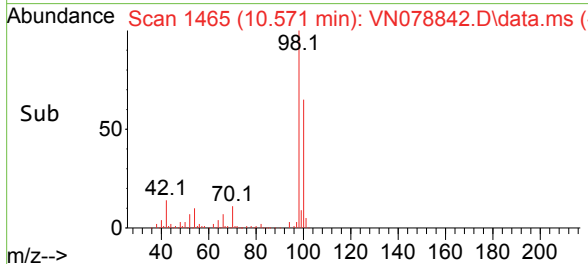
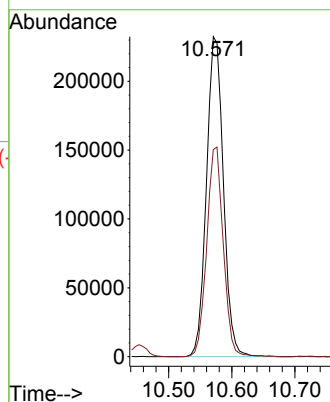
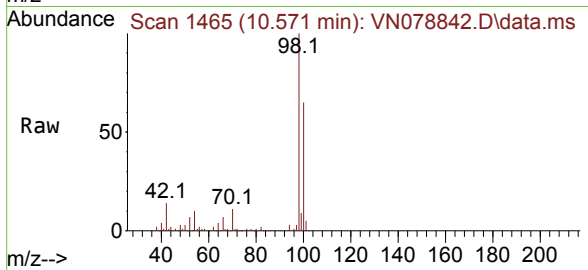




#50
Toluene-d8
Concen: 51.318 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078842.D
Acq: 10 Aug 2023 17:09

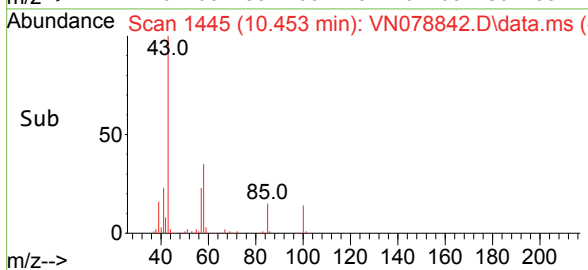
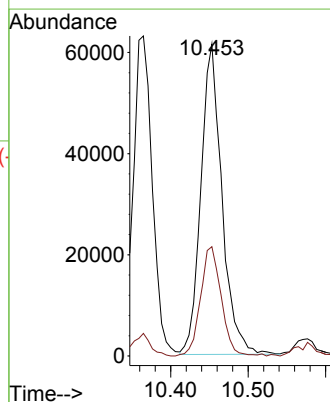
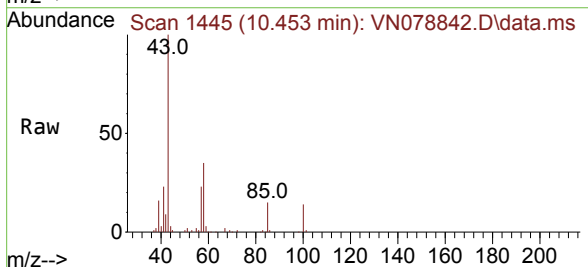
Instrument :
MSVOA_N
ClientSampleId :

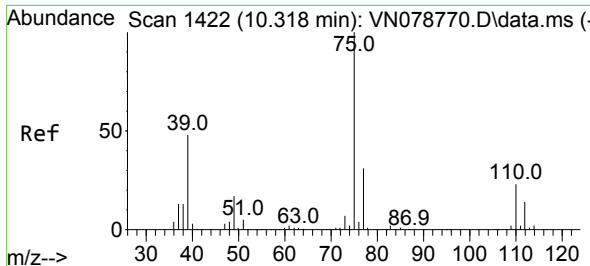
Tgt Ion: 98 Resp: 433012
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 29.714 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078842.D
Acq: 10 Aug 2023 17:09

Tgt Ion: 43 Resp: 116055
Ion Ratio Lower Upper
43 100
58 34.4 36.6 54.8#

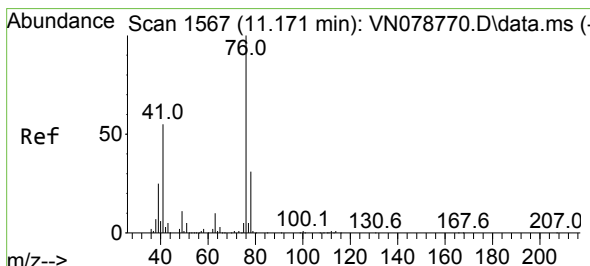
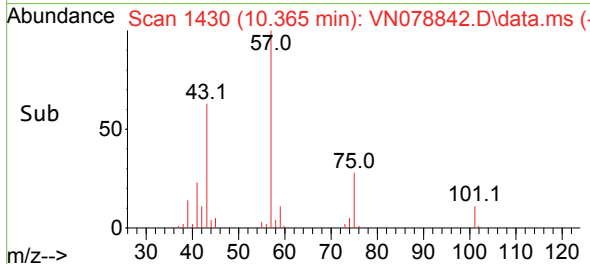
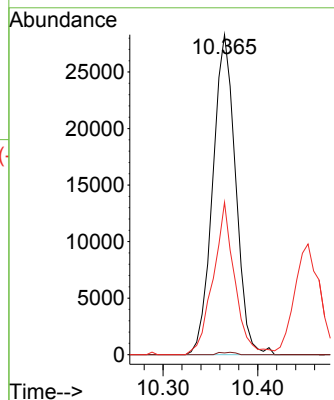
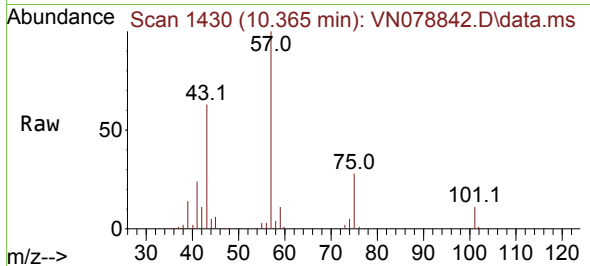




#54
 cis-1,3-Dichloropropene
 Concen: 11.190 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN078842.D
 Acq: 10 Aug 2023 17:09

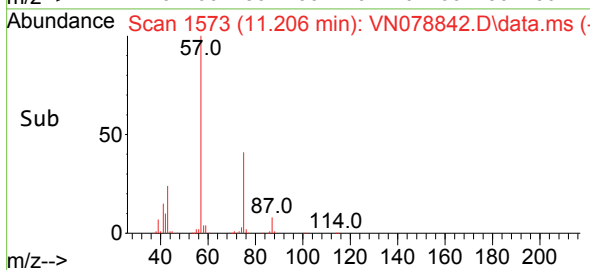
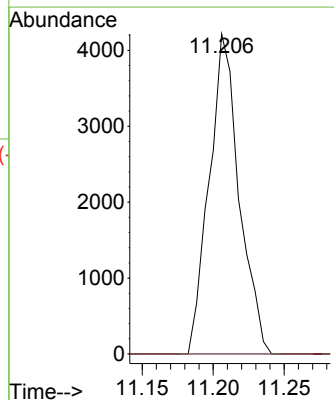
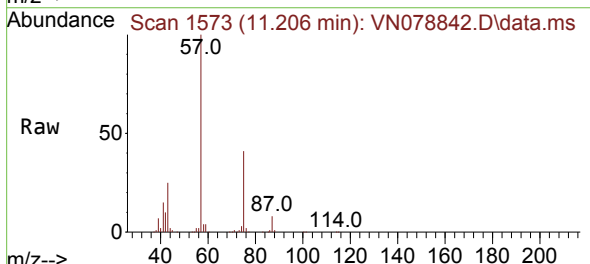
Instrument :
 MSVOA_N
 ClientSampleId :

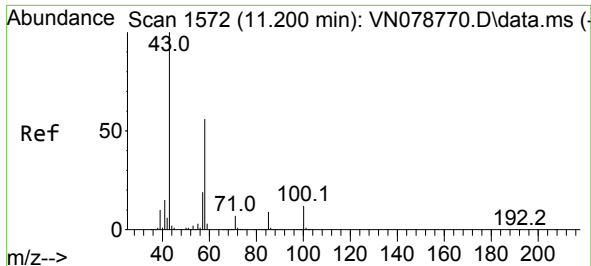
Tgt Ion: 75 Resp: 47464
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.1 39.1#
 39 47.6 31.6 47.4#



#57
 1,3-Dichloropropane
 Concen: 1.364 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.035 min
 Lab File: VN078842.D
 Acq: 10 Aug 2023 17:09

Tgt Ion: 76 Resp: 6193
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

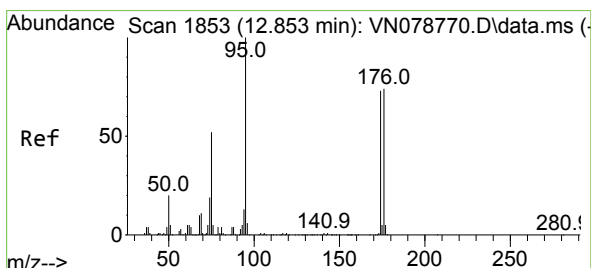
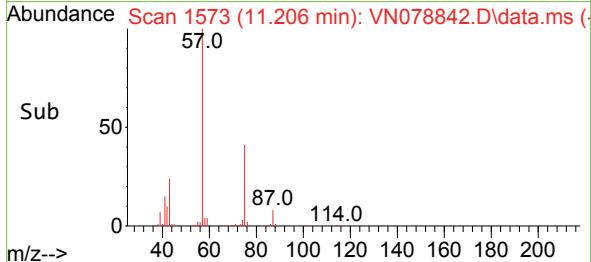
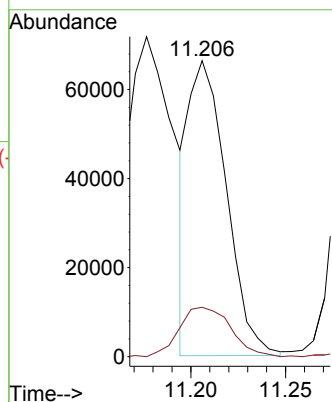
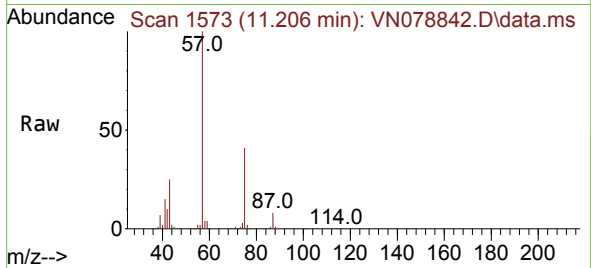




#59
2-Hexanone
Concen: 33.264 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078842.D
Acq: 10 Aug 2023 17:09

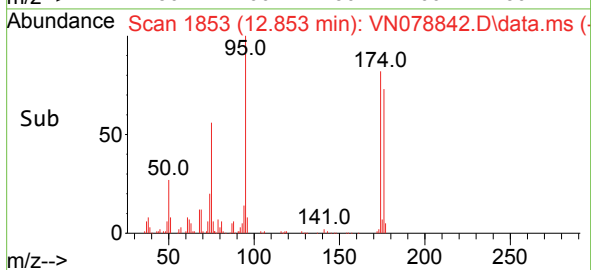
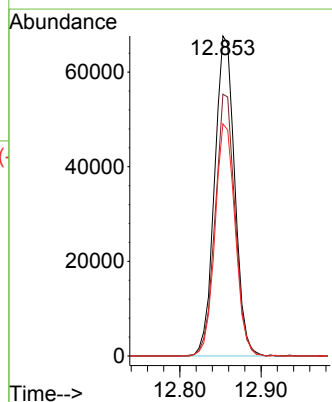
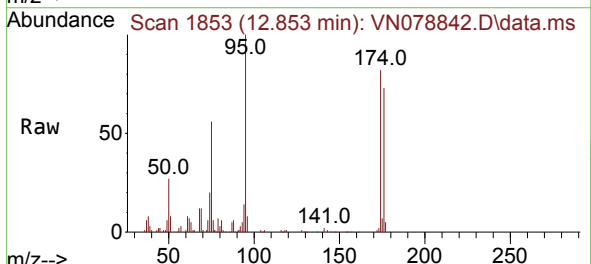
Instrument :
MSVOA_N
ClientSampleId :

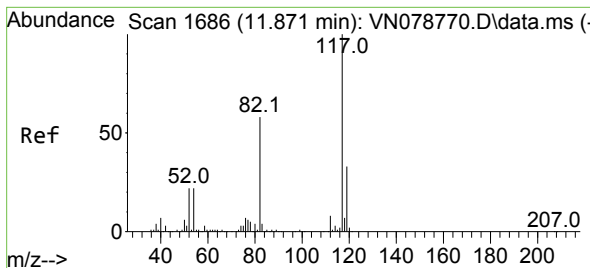
Tgt Ion: 43 Resp: 91995
Ion Ratio Lower Upper
43 100
58 23.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 46.247 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078842.D
Acq: 10 Aug 2023 17:09

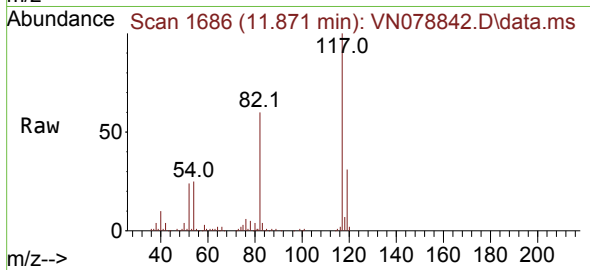
Tgt Ion: 95 Resp: 116622
Ion Ratio Lower Upper
95 100
174 80.8 0.0 143.8
176 72.7 0.0 135.8



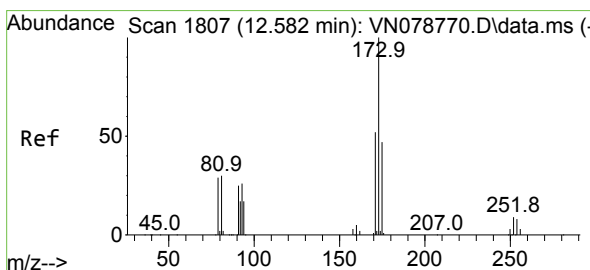
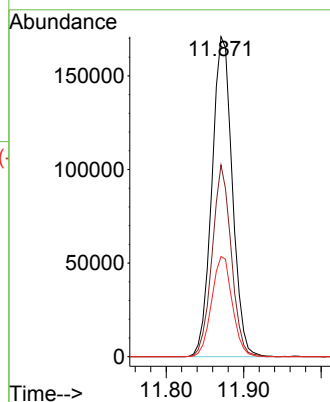
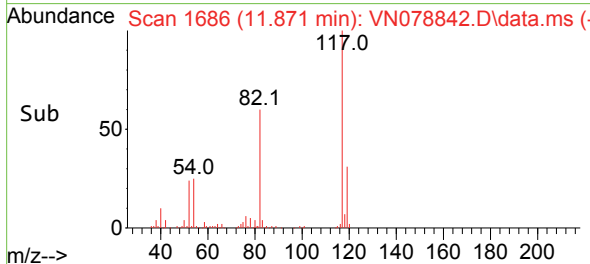


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078842.D
Acq: 10 Aug 2023 17:09

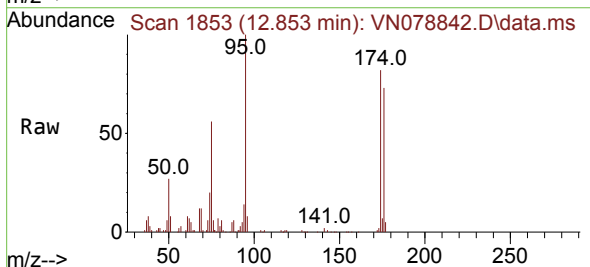
Instrument :
MSVOA_N
ClientSampleId :



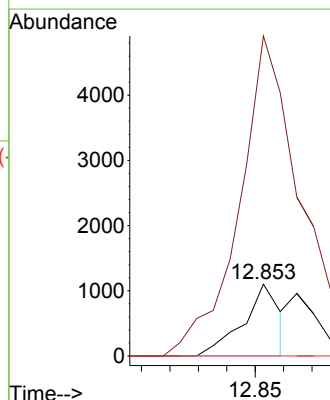
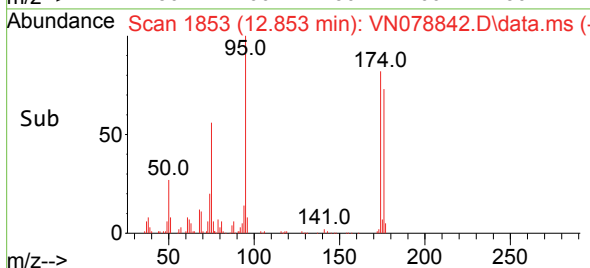
Tgt Ion:117 Resp: 312876
Ion Ratio Lower Upper
117 100
82 59.9 44.0 66.0
119 31.3 25.6 38.4

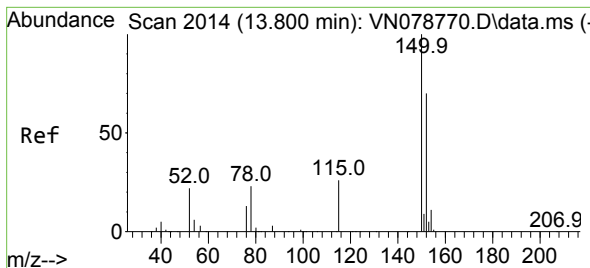


#71
Bromoform
Concen: 0.514 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN078842.D
Acq: 10 Aug 2023 17:09



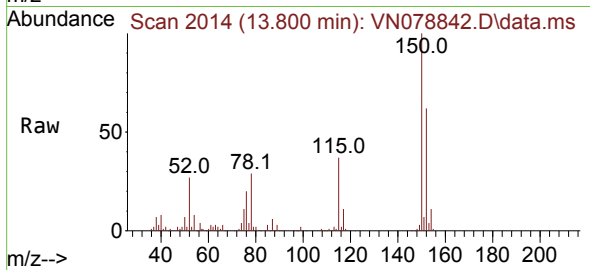
Tgt Ion:173 Resp: 990
Ion Ratio Lower Upper
173 100
175 529.6 24.3 73.0#
254 0.0 0.0 0.0



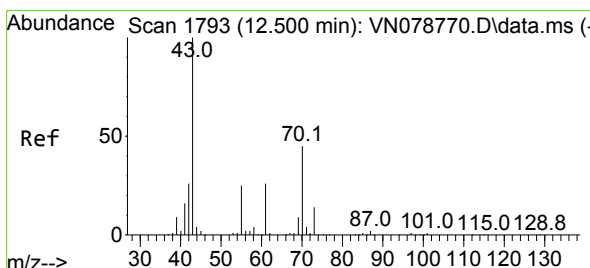
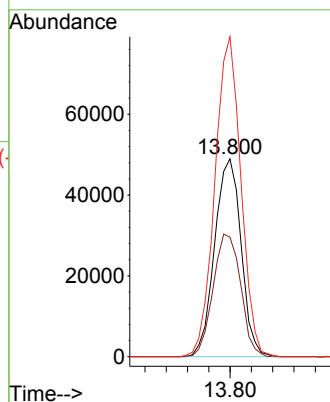
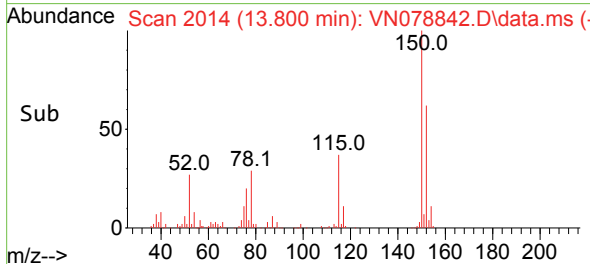


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN078842.D
Acq: 10 Aug 2023 17:09

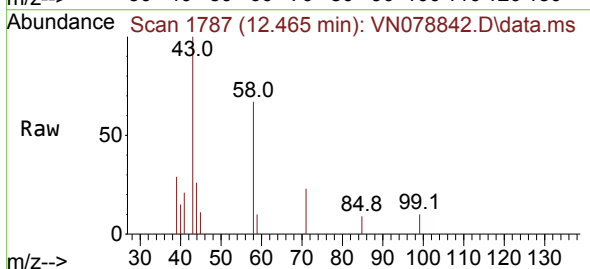
Instrument :
MSVOA_N
ClientSampleId :



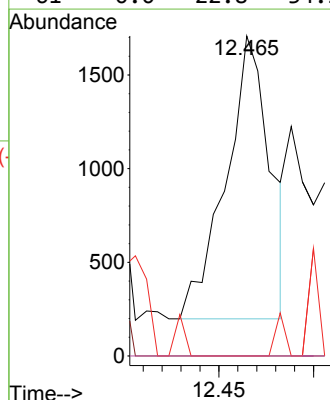
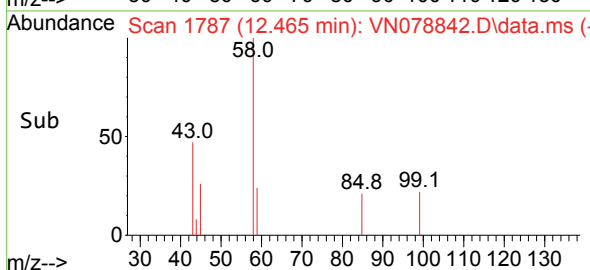
Tgt Ion:152 Resp: 84337
Ion Ratio Lower Upper
152 100
115 64.4 32.3 96.8
150 159.0 0.0 355.8

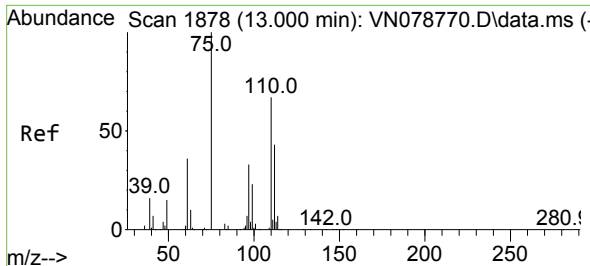


#74
N-ethyl acetate
Concen: 0.651 ug/l
RT: 12.465 min Scan# 1787
Delta R.T. -0.035 min
Lab File: VN078842.D
Acq: 10 Aug 2023 17:09



Tgt Ion: 43 Resp: 2451
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 0.0 21.4 32.0#
61 0.0 22.8 34.2#

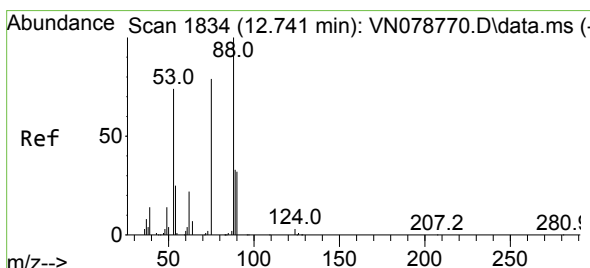
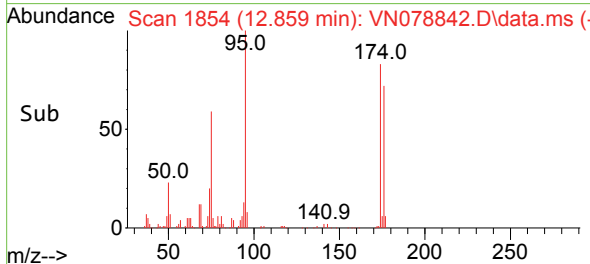
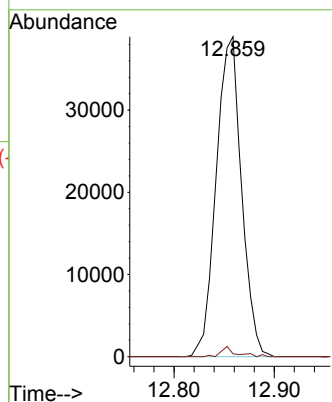
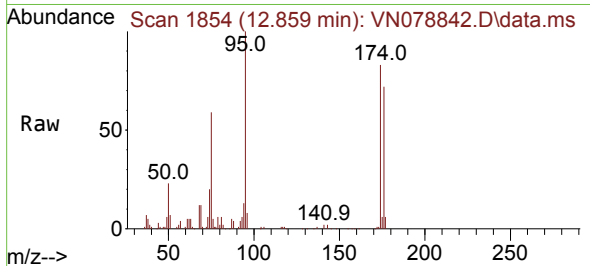




#76
1,2,3-Trichloropropane
Concen: 29.918 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN078842.D
Acq: 10 Aug 2023 17:09

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 68219
Ion Ratio Lower Upper
75 100
77 1.9 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.281 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN078842.D
Acq: 10 Aug 2023 17:09

Tgt Ion: 75 Resp: 68219
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#

