

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080823\
 Data File : VN078798.D
 Acq On : 08 Aug 2023 13:35
 Operator : JC\MD
 Sample : 03913-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 72-11933

Quant Time: Aug 09 02:48:25 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)

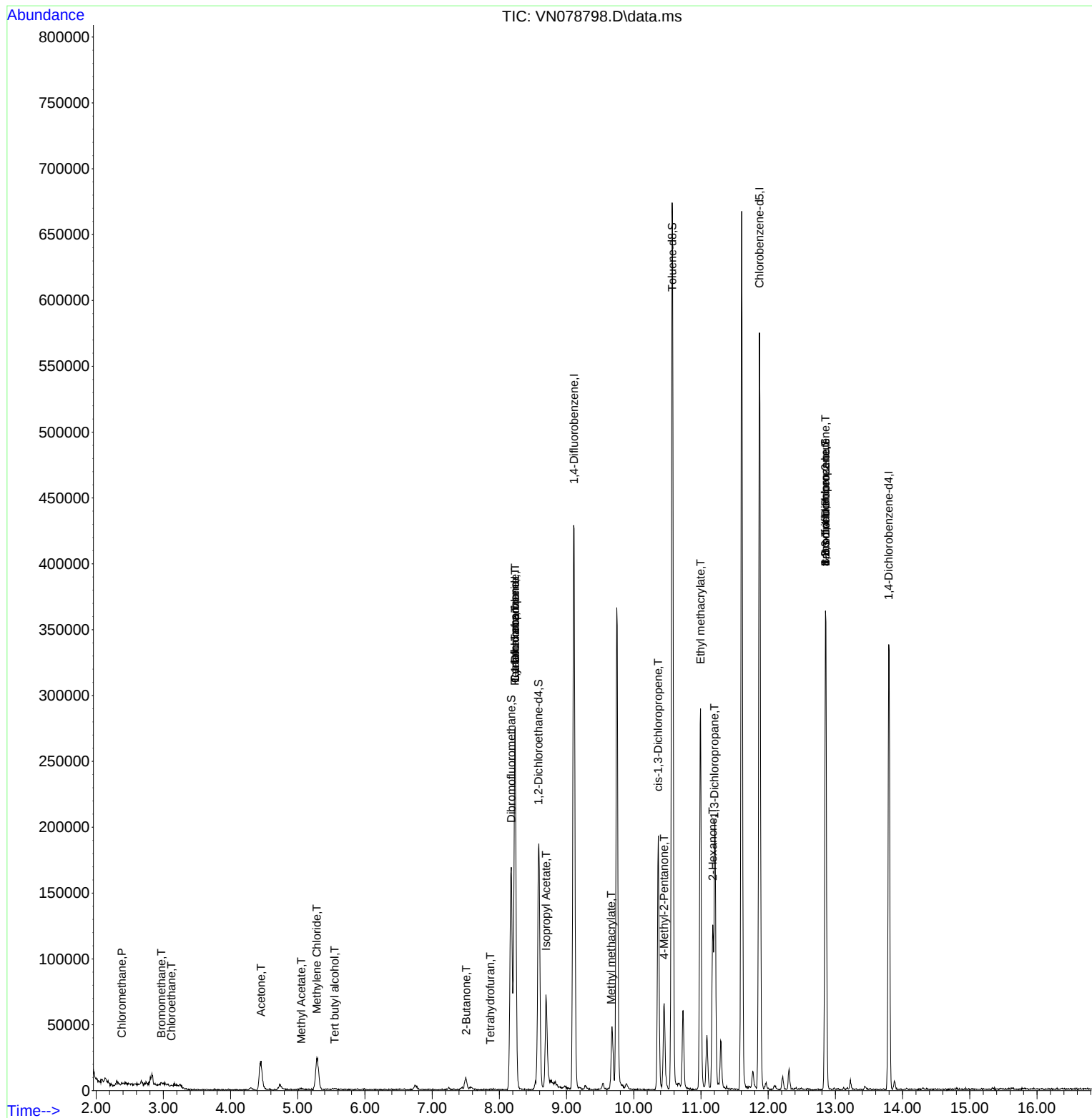
Internal Standards						
1) Pentafluorobenzene	8.230	168	189653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	361170	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	322349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	88021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	146560	51.548	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.100%			
35) Dibromofluoromethane	8.177	113	121067	49.637	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.280%			
50) Toluene-d8	10.571	98	454644	50.653	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.300%			
62) 4-Bromofluorobenzene	12.853	95	119142	44.416	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.840%			
Target Compounds					Qvalue	
3) Chloromethane	2.383	50	759	0.232	ug/l #	42
5) Bromomethane	2.971	94	731	0.335	ug/l #	53
6) Chloroethane	3.118	64	671	0.331	ug/l #	43
11) Tert butyl alcohol	5.547	59	190	0.381	ug/l #	72
16) Acetone	4.453	43	42399	38.758	ug/l #	86
18) Methyl Acetate	5.053	43	1557	0.317	ug/l #	60
20) Methylene Chloride	5.283	84	17632	6.508	ug/l #	85
25) 2-Butanone	7.506	43	13918	7.513	ug/l #	77
29) Tetrahydrofuran	7.865	42	410	0.331	ug/l #	20
31) Cyclohexane	8.236	56	5594	1.339	ug/l #	13
36) 1,1-Dichloropropene	8.236	75	17412	4.602	ug/l #	50
38) Carbon Tetrachloride	8.236	117	21872	5.607	ug/l #	15
43) Isopropyl Acetate	8.694	43	80638	11.888	ug/l #	77
48) Methyl methacrylate	9.665	41	3467	1.106	ug/l #	33
51) 4-Methyl-2-Pentanone	10.453	43	49433	11.898	ug/l #	85
54) cis-1,3-Dichloropropene	10.365	75	31569	6.997	ug/l #	73
56) Ethyl methacrylate	10.994	69	1470	0.365	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	1855	0.384	ug/l #	42
59) 2-Hexanone	11.177	43	134420	45.692	ug/l #	19
71) Bromoform	12.853	173	782	0.394	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	69221	29.087	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	69221	78.050	ug/l #	15

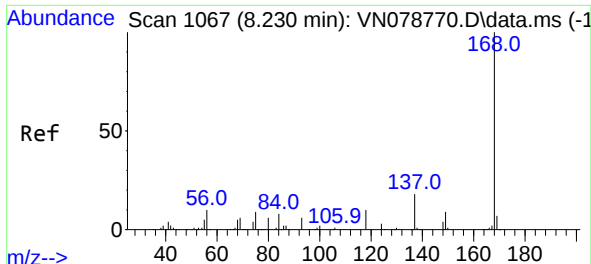
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

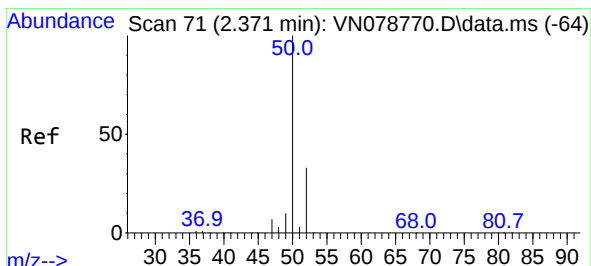
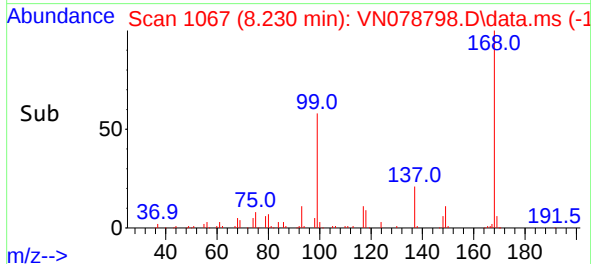
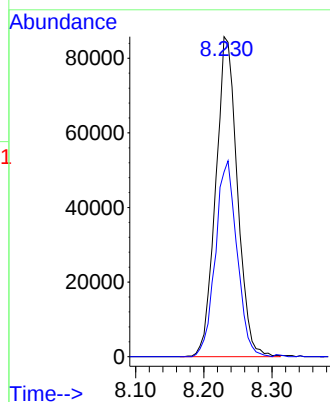
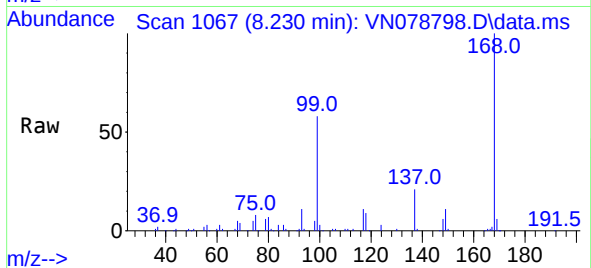




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078798.D
Acq: 08 Aug 2023 13:35

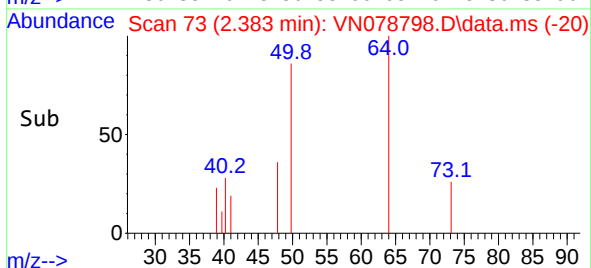
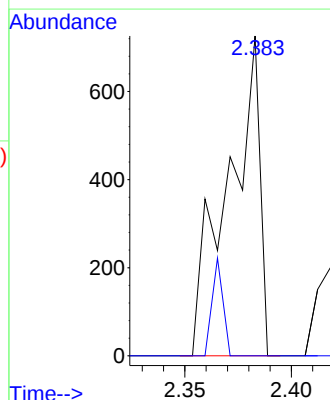
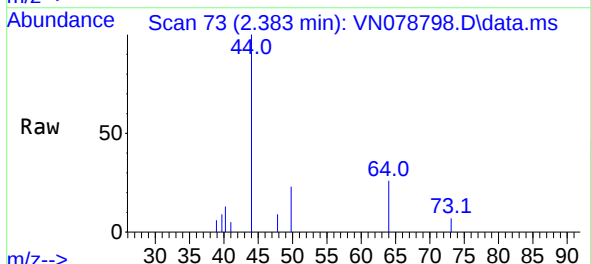
Instrument :
MSVOA_N
ClientSampleId :
72-11933

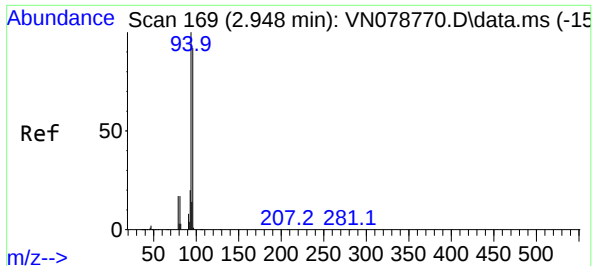
Tgt Ion:168 Resp: 189653
Ion Ratio Lower Upper
168 100
99 57.7 53.0 79.6



#3
Chloromethane
Concen: 0.232 ug/l
RT: 2.383 min Scan# 73
Delta R.T. 0.012 min
Lab File: VN078798.D
Acq: 08 Aug 2023 13:35

Tgt Ion: 50 Resp: 759
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

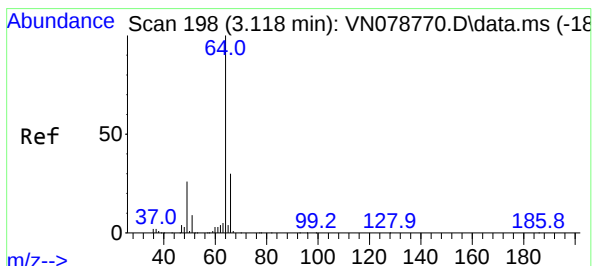
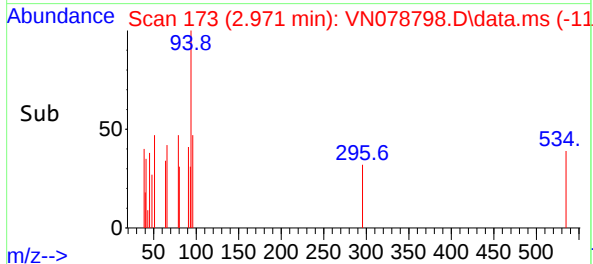
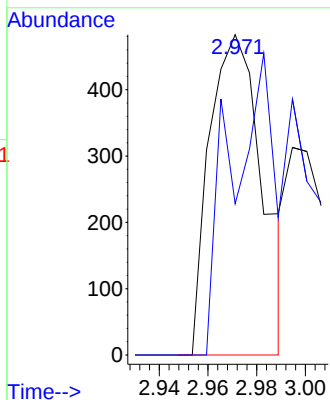
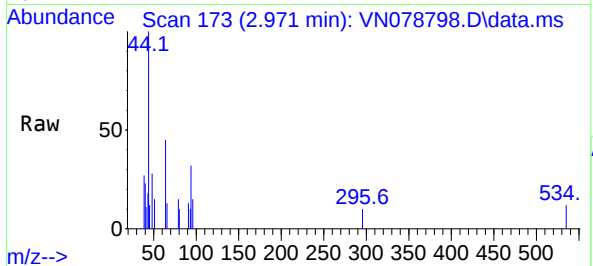




#5
Bromomethane
Concen: 0.335 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN078798.D
Acq: 08 Aug 2023 13:35

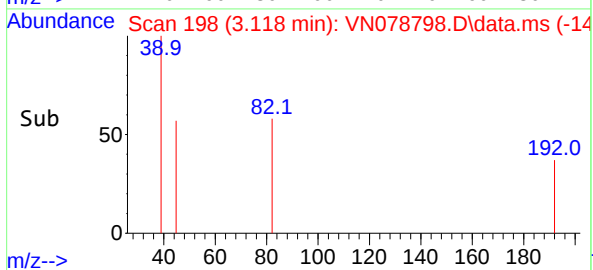
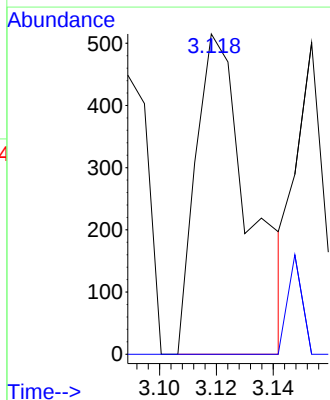
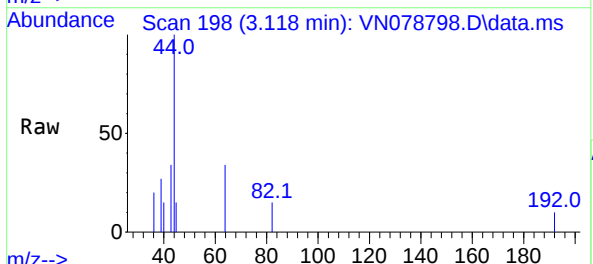
Instrument :
MSVOA_N
ClientSampleId :
72-11933

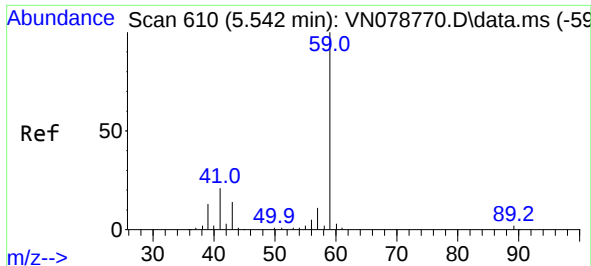
Tgt Ion: 94 Resp: 731
Ion Ratio Lower Upper
94 100
96 47.2 73.1 109.7#



#6
Chloroethane
Concen: 0.331 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN078798.D
Acq: 08 Aug 2023 13:35

Tgt Ion: 64 Resp: 671
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 0.381 ug/l

RT: 5.547 min Scan# 61

Delta R.T. 0.005 min

Lab File: VN078798.D

Acq: 08 Aug 2023 13:35

Instrument :

MSVOA_N

ClientSampleId :

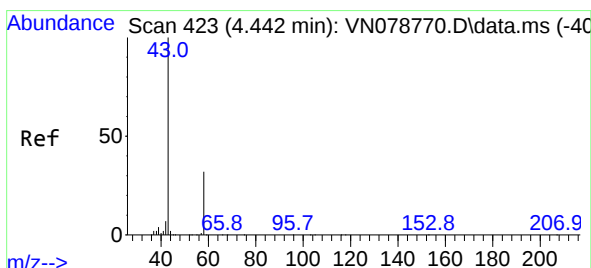
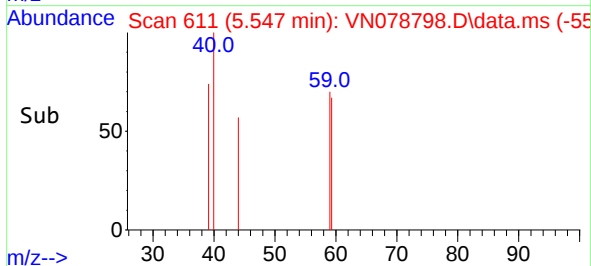
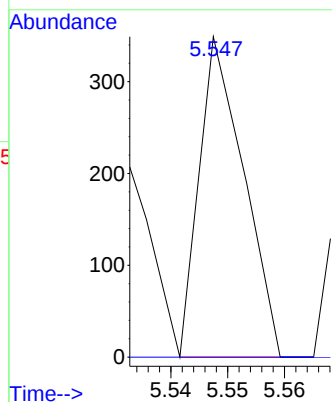
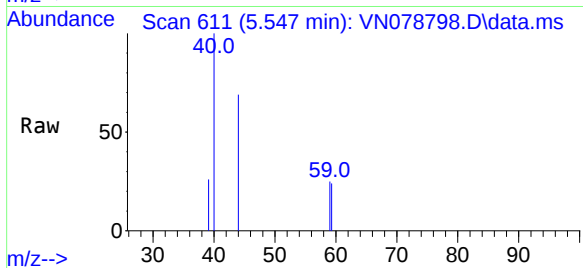
72-11933

Tgt Ion: 59 Resp: 190

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 38.758 ug/l

RT: 4.453 min Scan# 425

Delta R.T. 0.011 min

Lab File: VN078798.D

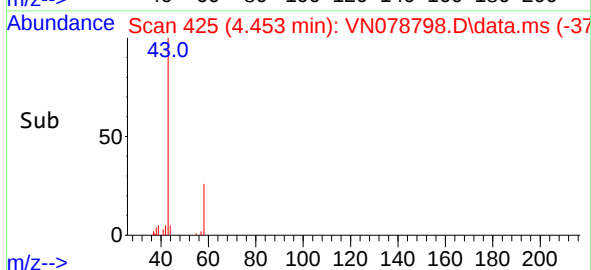
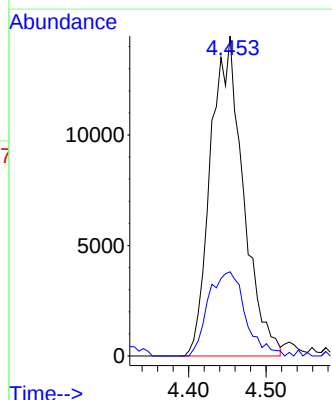
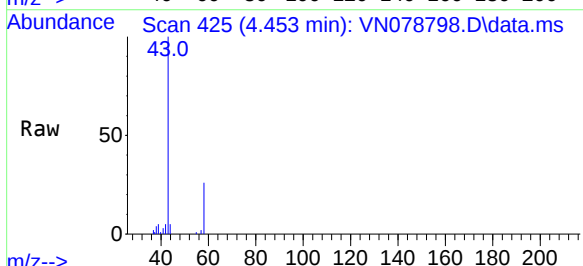
Acq: 08 Aug 2023 13:35

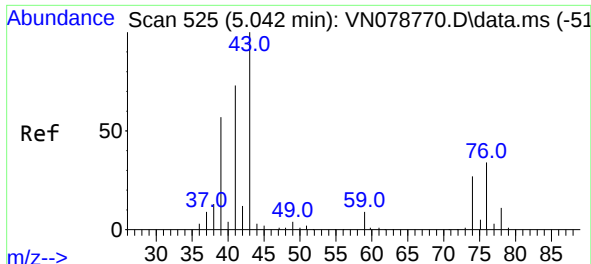
Tgt Ion: 43 Resp: 42399

Ion Ratio Lower Upper

43 100

58 26.7 28.0 42.0#

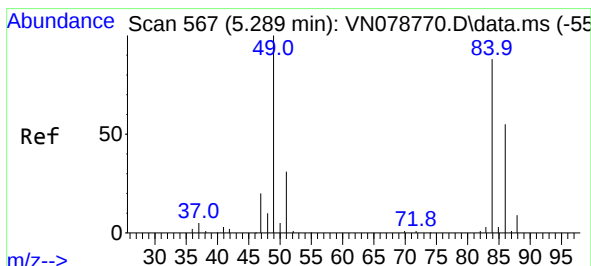
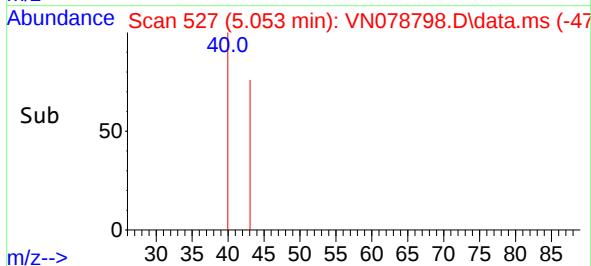
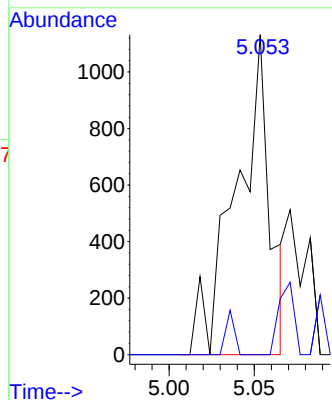
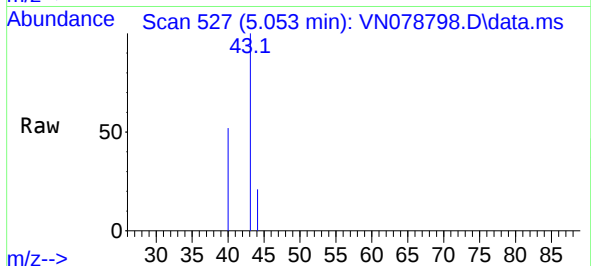




#18
Methyl Acetate
Concen: 0.317 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN078798.D
Acq: 08 Aug 2023 13:35

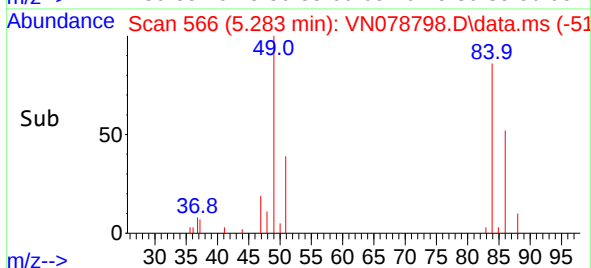
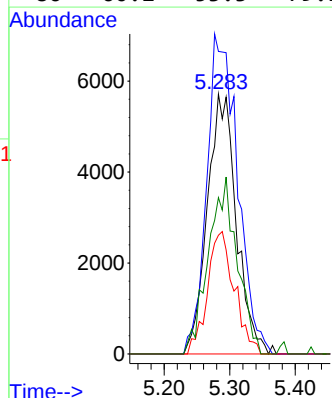
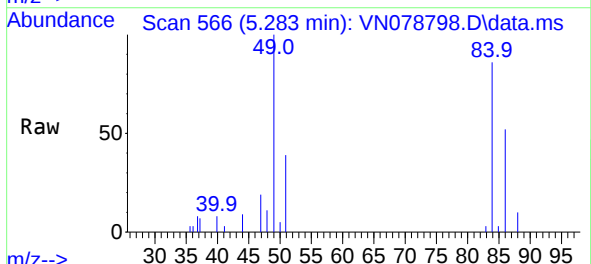
Instrument :
MSVOA_N
ClientSampleId :
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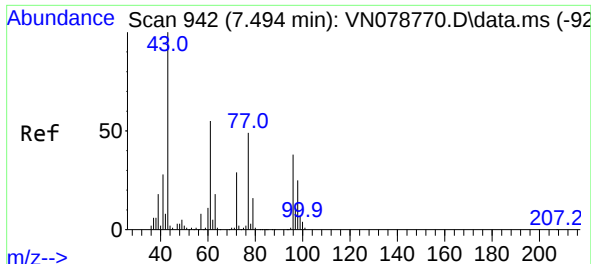
Tgt Ion: 43 Resp: 1557
Ion Ratio Lower Upper
43 100
74 10.3 26.2 39.4#



#20
Methylene Chloride
Concen: 6.508 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.006 min
Lab File: VN078798.D
Acq: 08 Aug 2023 13:35

Tgt Ion: 84 Resp: 17632
Ion Ratio Lower Upper
84 100
49 116.5 79.7 119.5
51 45.7 25.2 37.8#
86 60.2 53.3 79.9

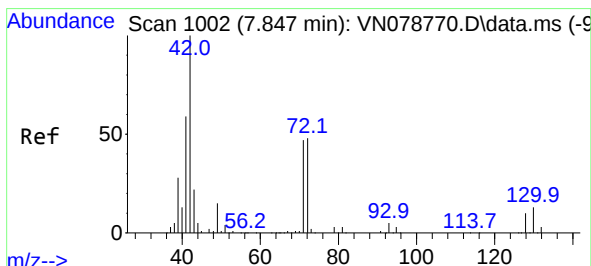
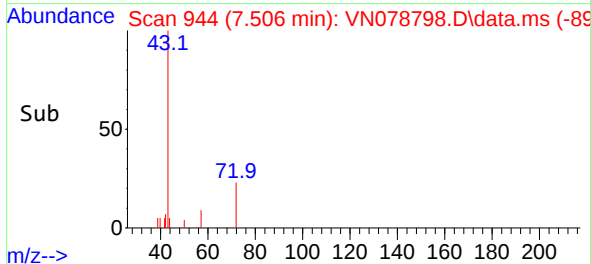
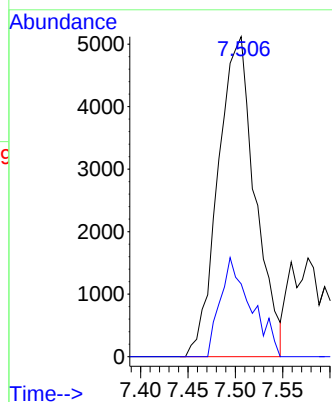
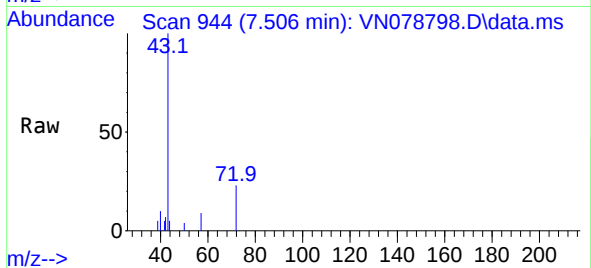




#25
2-Butanone
Concen: 7.513 ug/l
RT: 7.506 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN078798.D
Acq: 08 Aug 2023 13:35

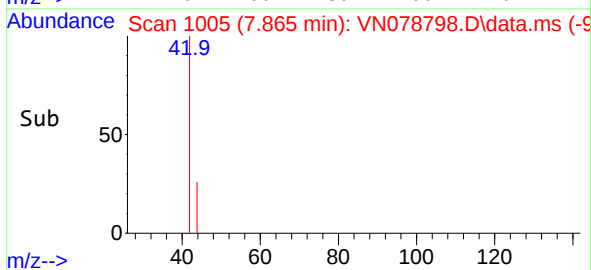
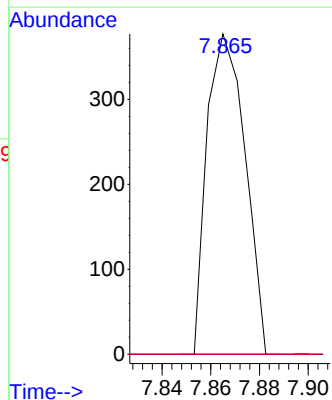
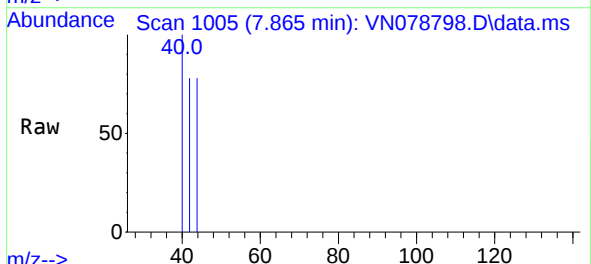
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MSVOA_N
ClientSampleId :
72-11933

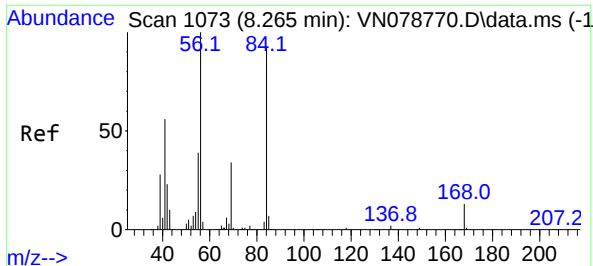
Tgt Ion: 43 Resp: 13918
Ion Ratio Lower Upper
43 100
72 23.8 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.331 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.018 min
Lab File: VN078798.D
Acq: 08 Aug 2023 13:35

Tgt Ion: 42 Resp: 410
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#

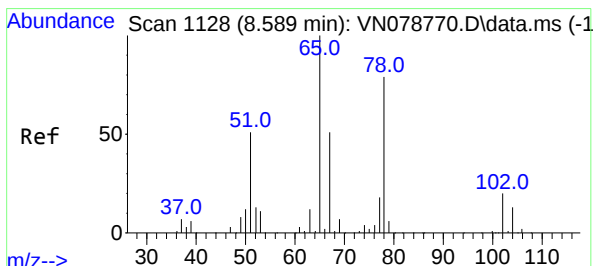
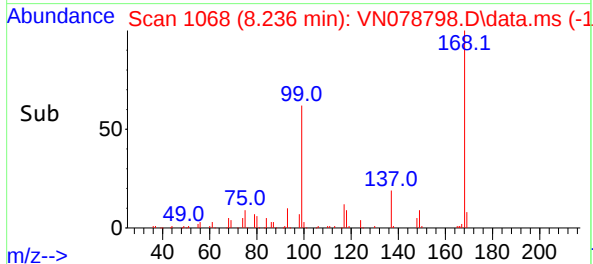
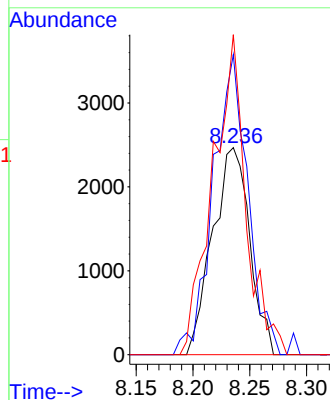
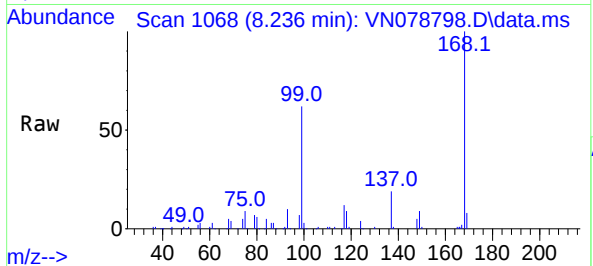




#31
Cyclohexane
Concen: 1.339 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN078798.D
Acq: 08 Aug 2023 13:35

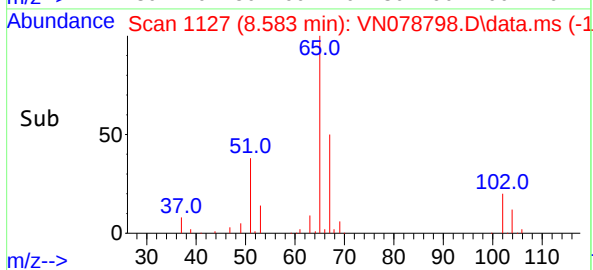
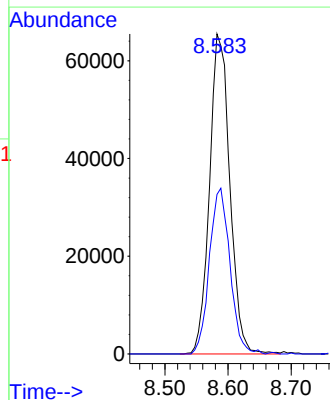
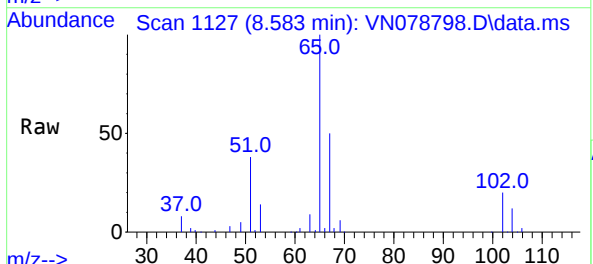
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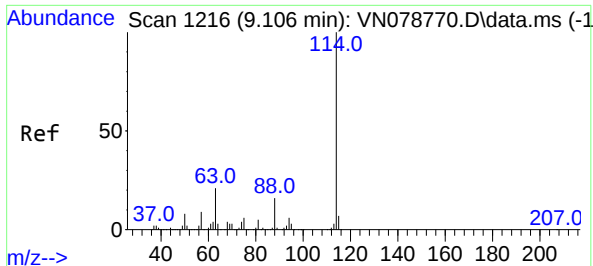
Tgt Ion: 56 Resp: 5594
Ion Ratio Lower Upper
56 100
69 145.0 26.8 40.2#
84 154.6 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 51.548 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN078798.D
Acq: 08 Aug 2023 13:35

Tgt Ion: 65 Resp: 146560
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078798.D

Acq: 08 Aug 2023 13:35

Instrument :

MSVOA_N

ClientSampleId :

72-11933

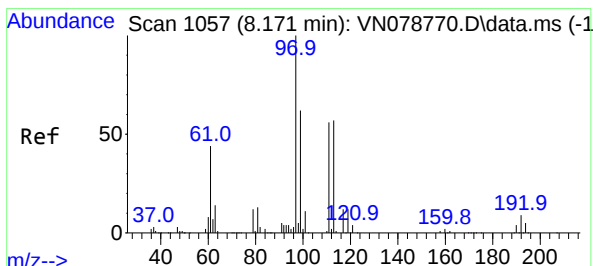
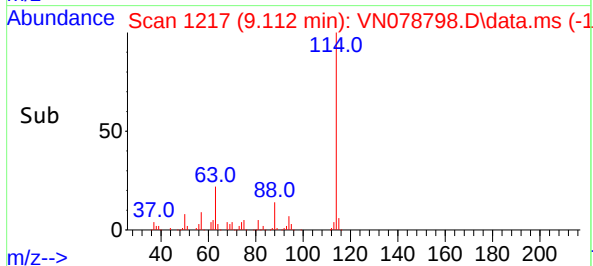
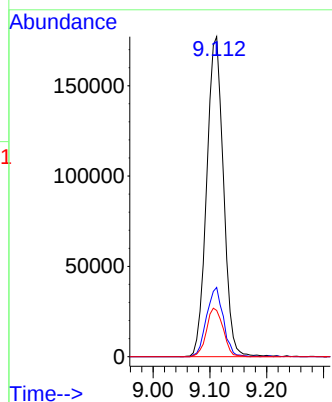
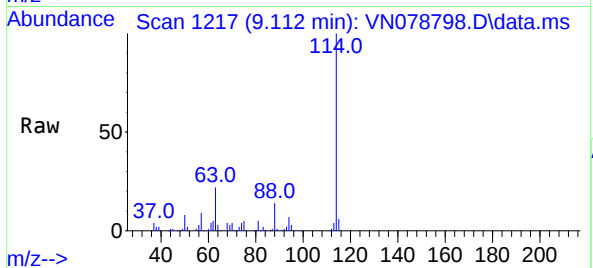
Tgt Ion:114 Resp: 361170

Ion Ratio Lower Upper

114 100

63 21.6 0.0 36.4

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.637 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN078798.D

Acq: 08 Aug 2023 13:35

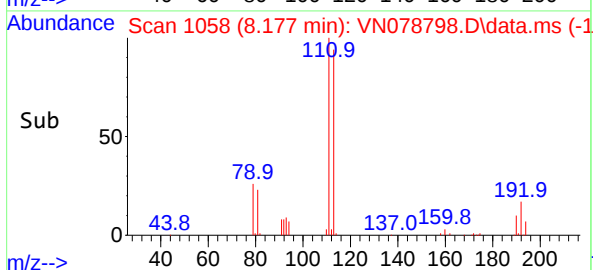
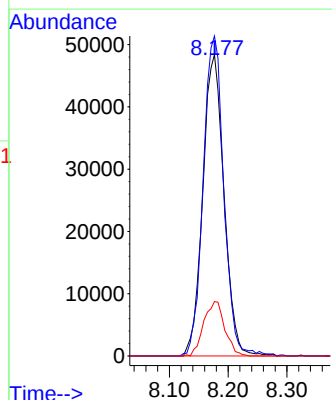
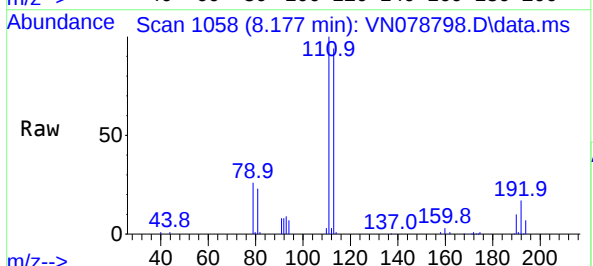
Tgt Ion:113 Resp: 121067

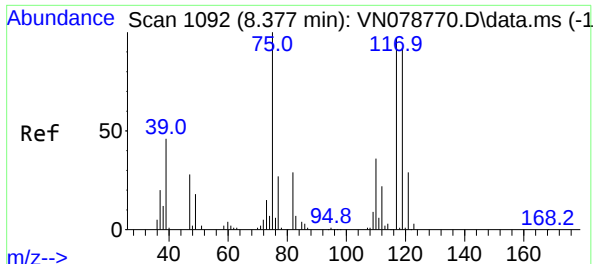
Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

192 17.9 12.7 19.1

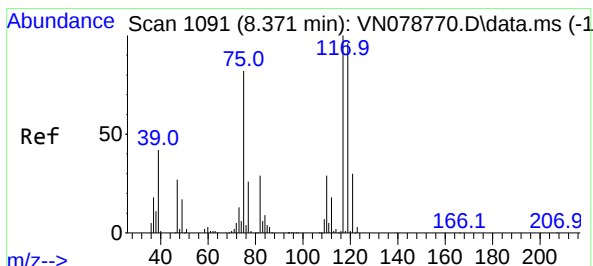
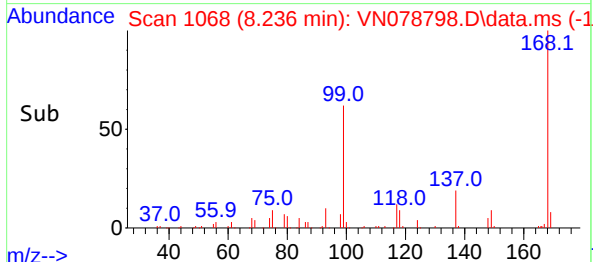
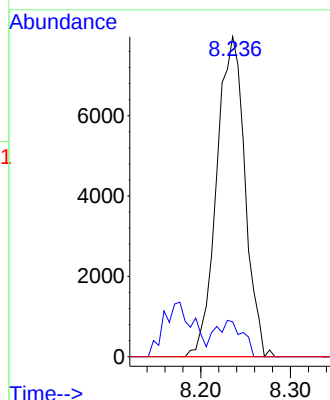
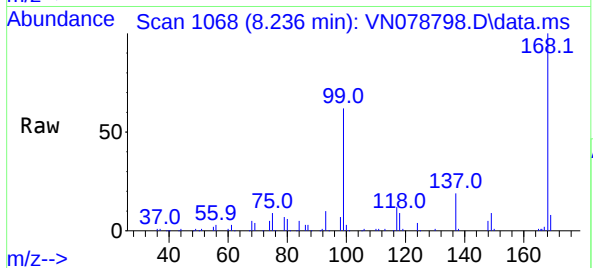




#36
1,1-Dichloropropene
Concen: 4.602 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078798.D
Acq: 08 Aug 2023 13:35

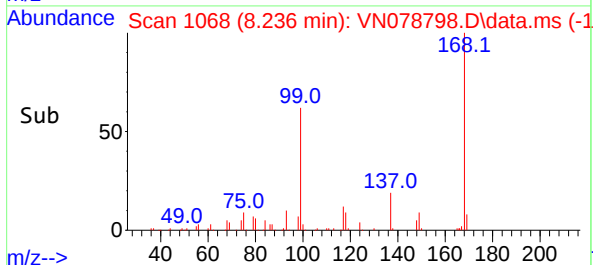
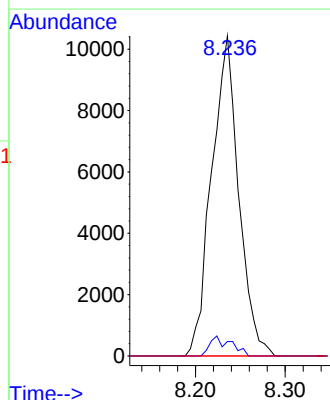
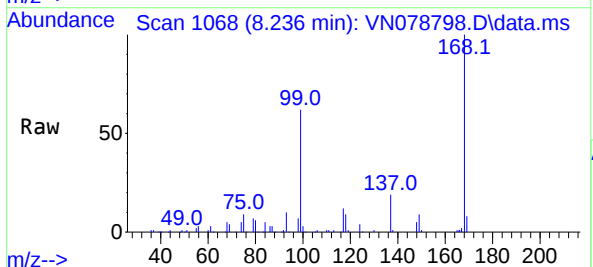
Instrument :
MSVOA_N
ClientSampleId :
72-11933

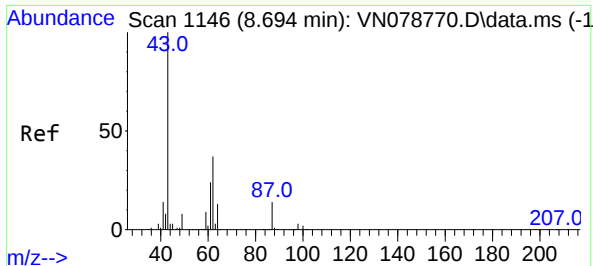
Tgt Ion: 75 Resp: 17412
Ion Ratio Lower Upper
75 100
110 10.9 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.607 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN078798.D
Acq: 08 Aug 2023 13:35

Tgt Ion: 117 Resp: 21872
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 23.3 34.9#

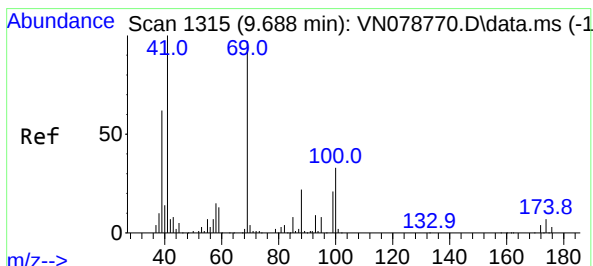
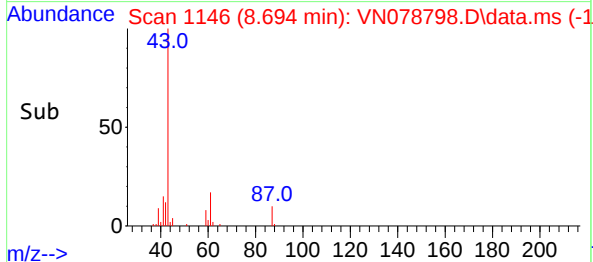
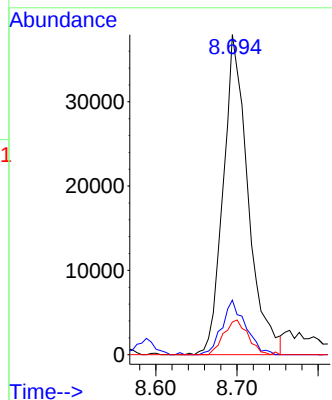
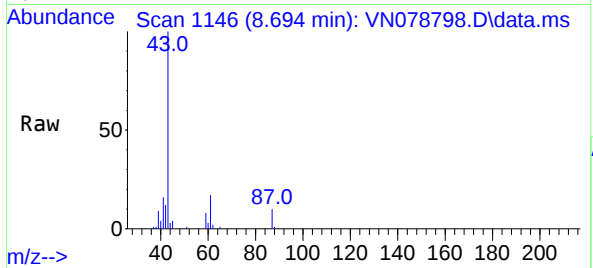




#43
Isopropyl Acetate
Concen: 11.888 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN078798.D
Acq: 08 Aug 2023 13:35

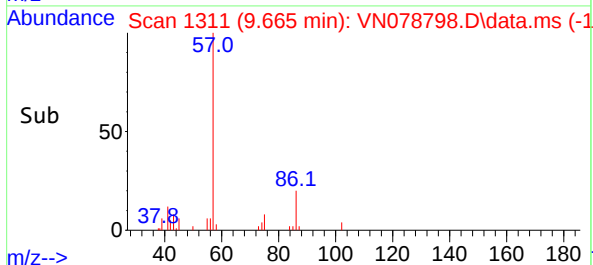
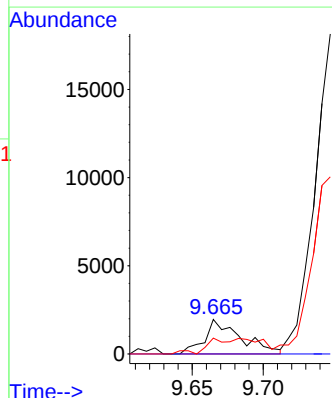
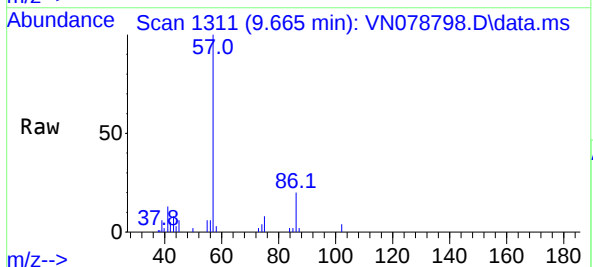
Instrument :
MSVOA_N
ClientSampleId :
72-11933

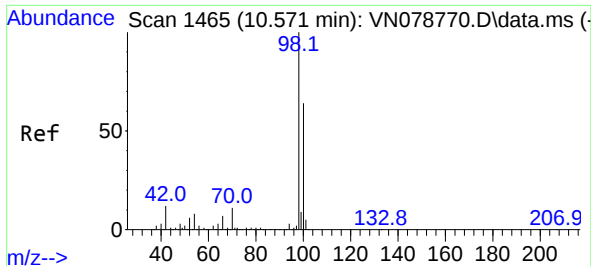
Tgt Ion: 43 Resp: 80638
Ion Ratio Lower Upper
43 100
61 16.2 24.7 37.1#
87 10.5 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.106 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.024 min
Lab File: VN078798.D
Acq: 08 Aug 2023 13:35

Tgt Ion: 41 Resp: 3467
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 65.7 54.6 81.8

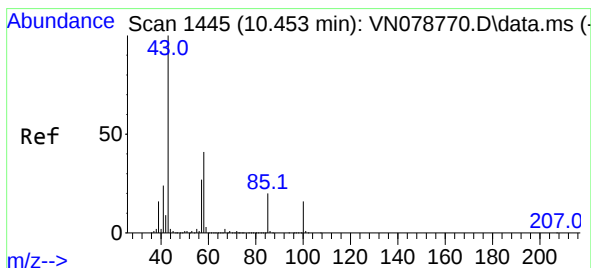
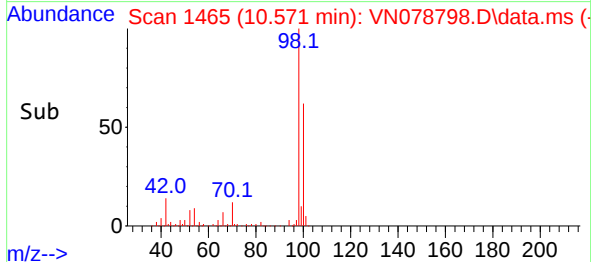
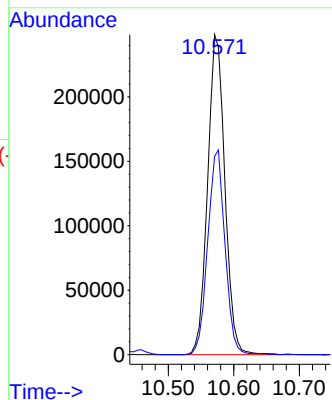
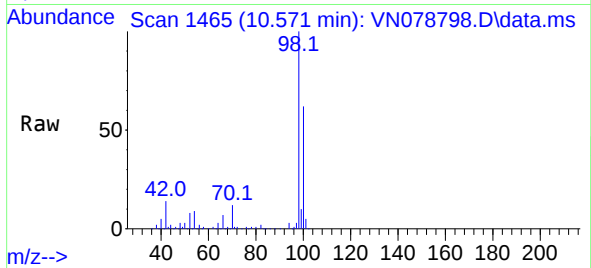




#50
Toluene-d8
Concen: 50.653 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078798.D
Acq: 08 Aug 2023 13:35

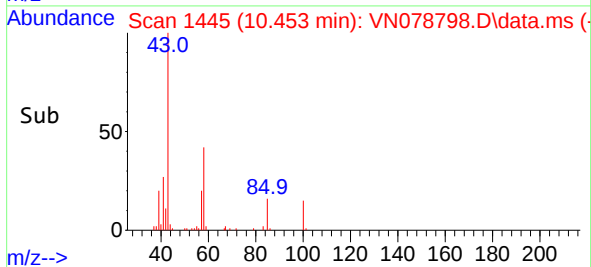
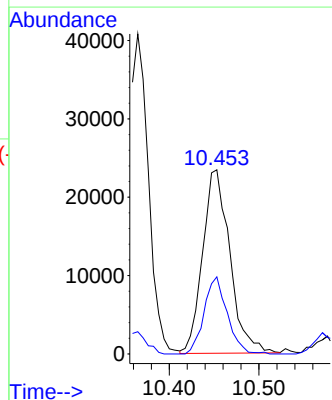
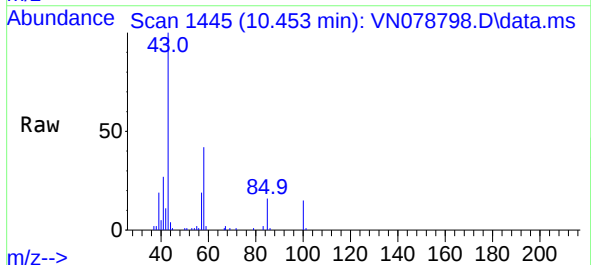
Instrument :
MSVOA_N
ClientSampleId :
72-11933

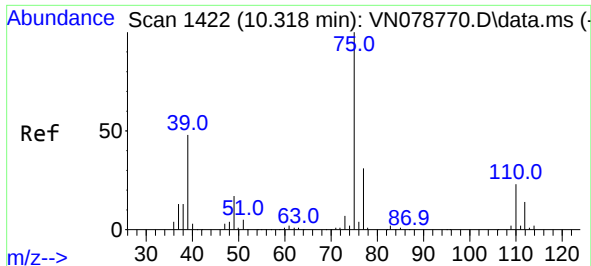
Tgt Ion: 98 Resp: 454644
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 11.898 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078798.D
Acq: 08 Aug 2023 13:35

Tgt Ion: 43 Resp: 49433
Ion Ratio Lower Upper
43 100
58 35.6 36.6 54.8#

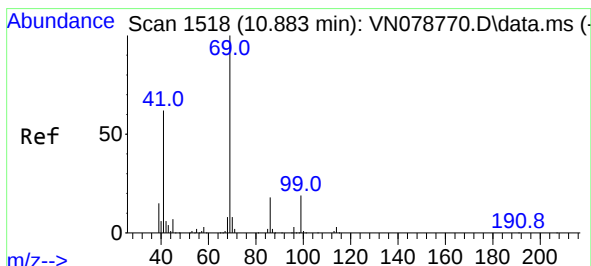
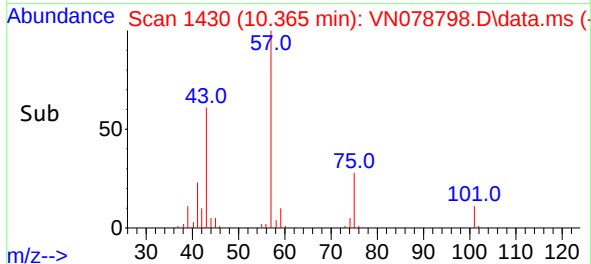
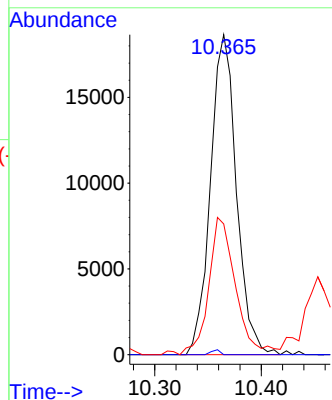
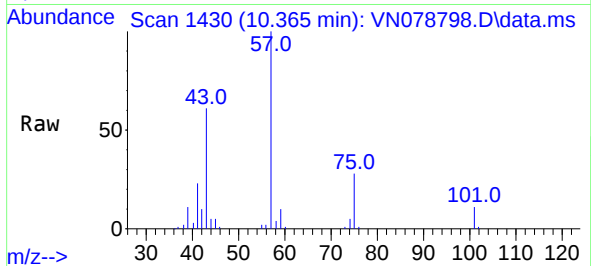




#54
 cis-1,3-Dichloropropene
 Concen: 6.997 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN078798.D
 Acq: 08 Aug 2023 13:35

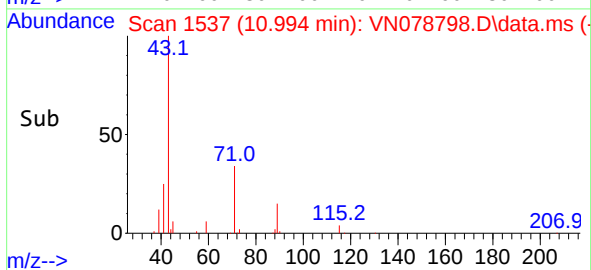
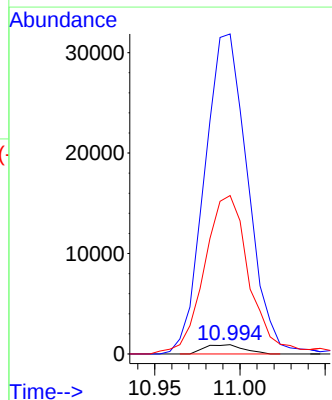
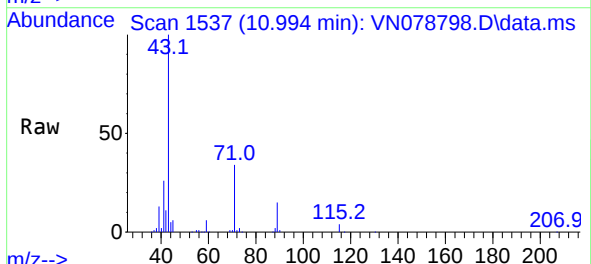
Instrument :
 MSVOA_N
 ClientSampleId :
 72-11933

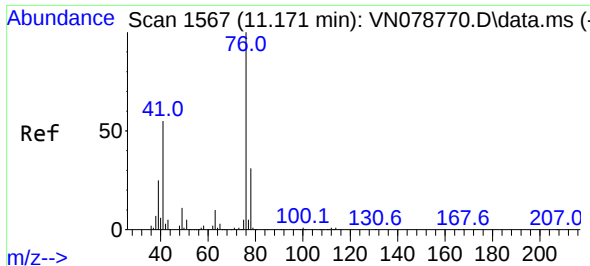
Tgt Ion: 75 Resp: 31569
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 39.2 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.365 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.112 min
 Lab File: VN078798.D
 Acq: 08 Aug 2023 13:35

Tgt Ion: 69 Resp: 1470
 Ion Ratio Lower Upper
 69 100
 41 3831.2 39.6 59.4#
 39 1988.1 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 0.384 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.029 min

Lab File: VN078798.D

Acq: 08 Aug 2023 13:35

Instrument :

MSVOA_N

ClientSampleId :

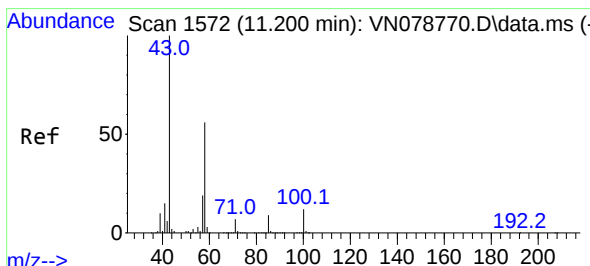
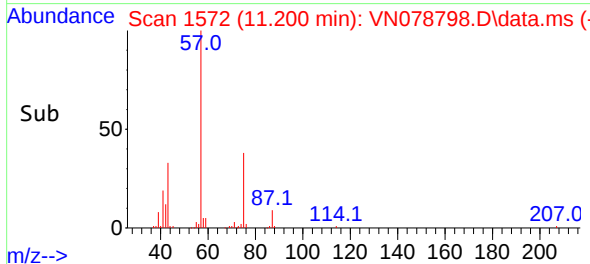
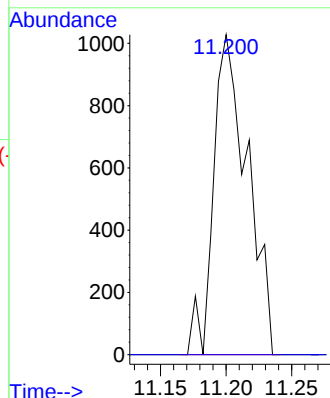
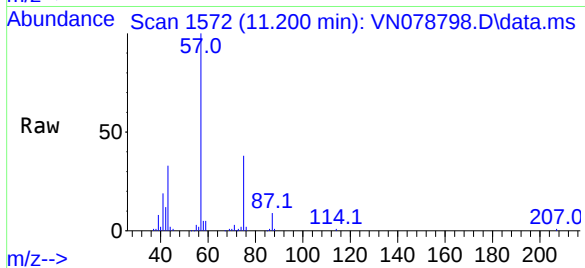
72-11933

Tgt Ion: 76 Resp: 1855

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 45.692 ug/l

RT: 11.177 min Scan# 1568

Delta R.T. -0.023 min

Lab File: VN078798.D

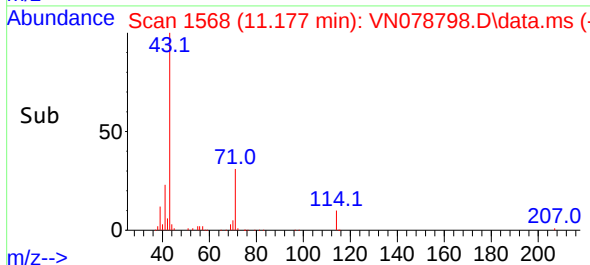
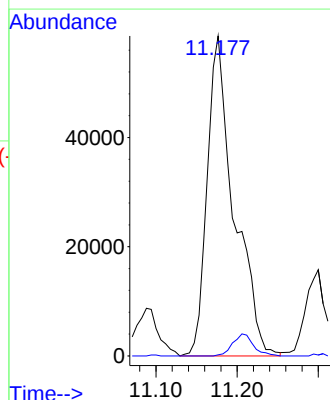
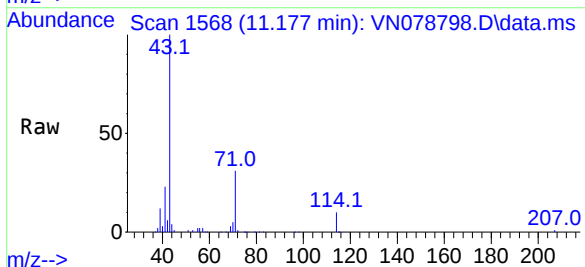
Acq: 08 Aug 2023 13:35

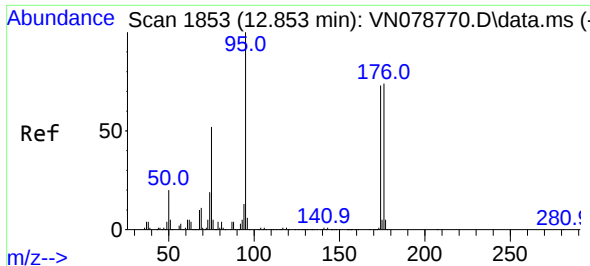
Tgt Ion: 43 Resp: 134420

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

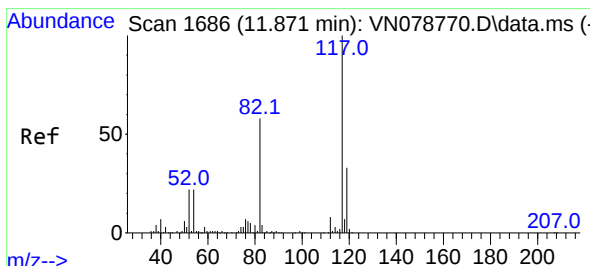
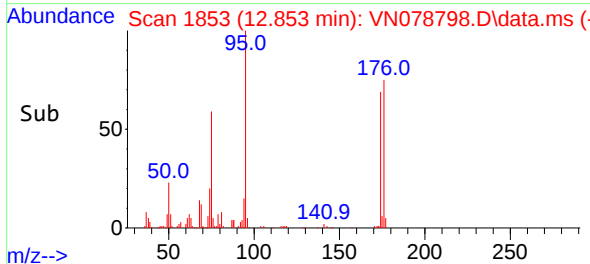
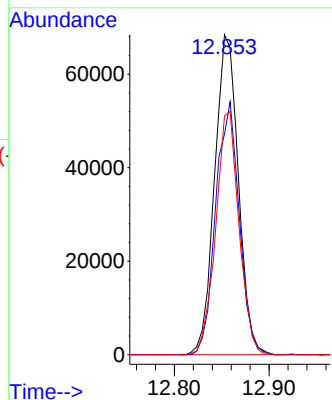
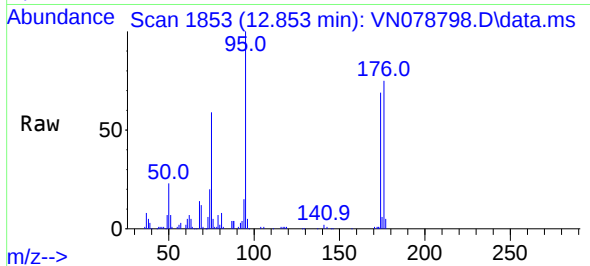




#62
4-Bromofluorobenzene
Concen: 44.416 ug/l
RT: 12.853 min Scan# 1185
Delta R.T. -0.000 min
Lab File: VN078798.D
Acq: 08 Aug 2023 13:35

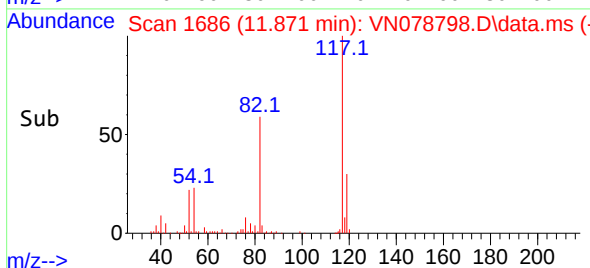
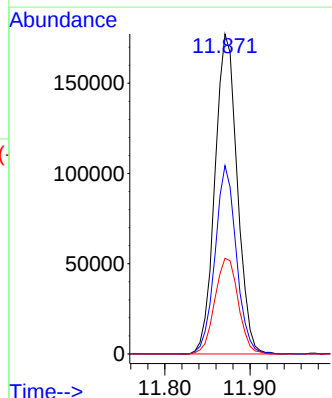
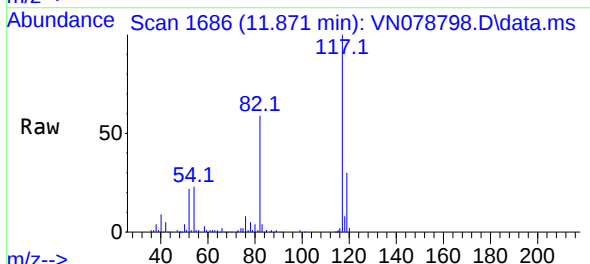
Instrument :
MSVOA_N
ClientSampleId :
72-11933

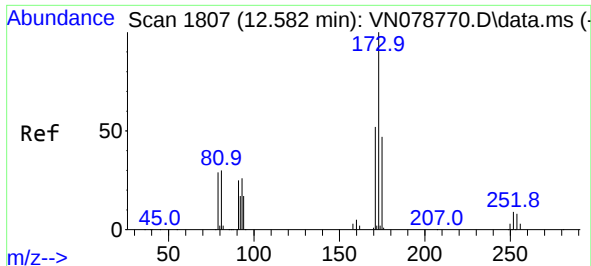
Tgt Ion: 95 Resp: 119142
Ion Ratio Lower Upper
95 100
174 78.5 0.0 143.8
176 74.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078798.D
Acq: 08 Aug 2023 13:35

Tgt Ion: 117 Resp: 322349
Ion Ratio Lower Upper
117 100
82 58.9 44.0 66.0
119 29.9 25.6 38.4

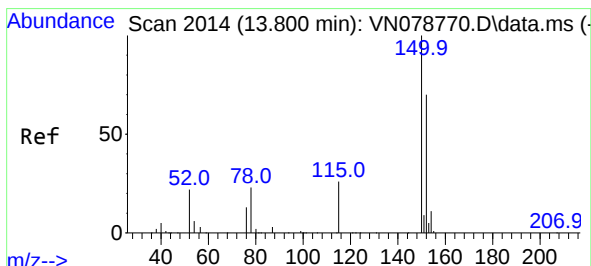
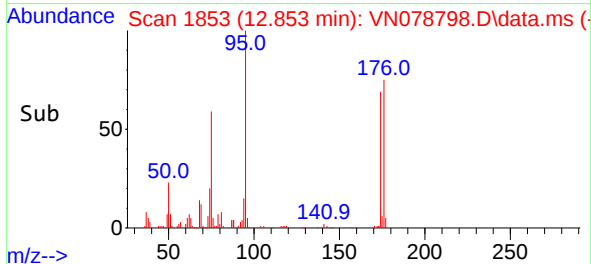
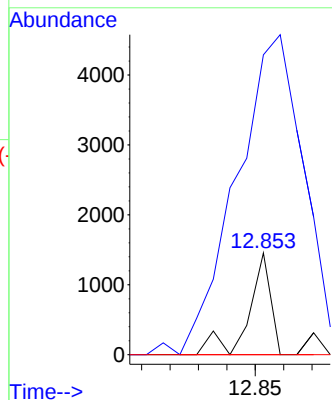
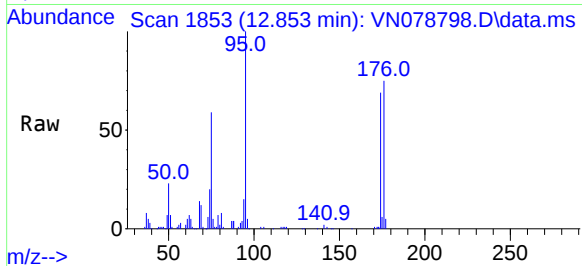




#71
Bromoform
Concen: 0.394 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.270 min
Lab File: VN078798.D
Acq: 08 Aug 2023 13:35

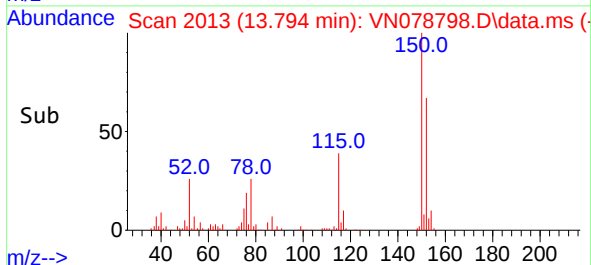
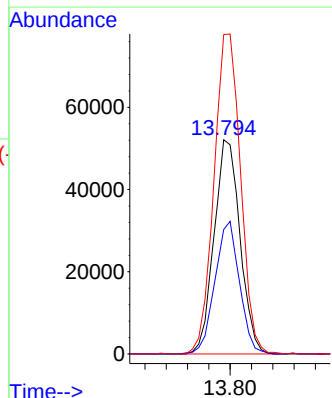
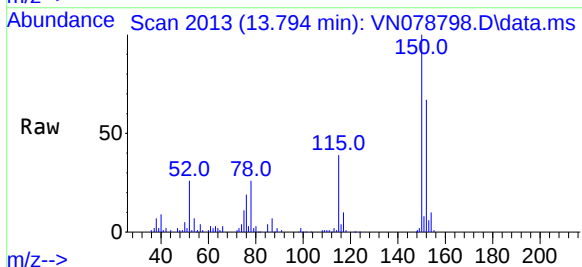
Instrument :
MSVOA_N
ClientSampleId :
72-11933

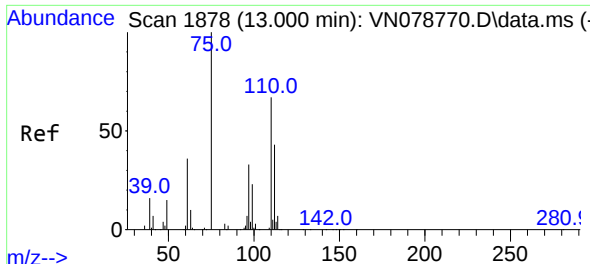
Tgt Ion:173 Resp: 782
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN078798.D
Acq: 08 Aug 2023 13:35

Tgt Ion:152 Resp: 88021
Ion Ratio Lower Upper
152 100
115 58.6 32.3 96.8
150 152.9 0.0 355.8

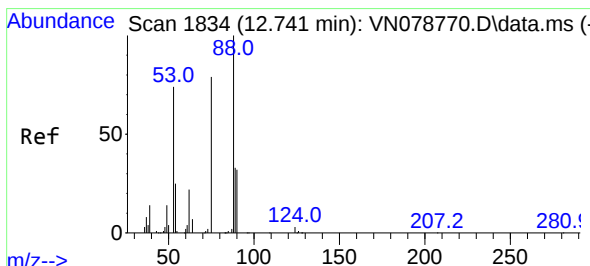
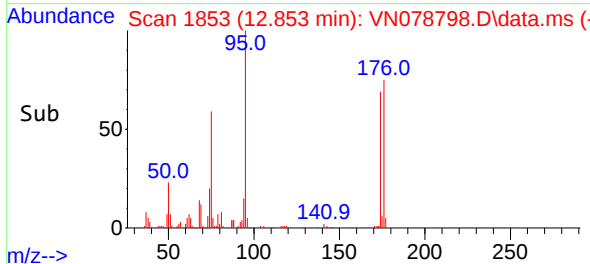
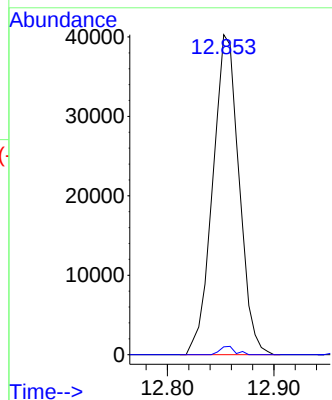
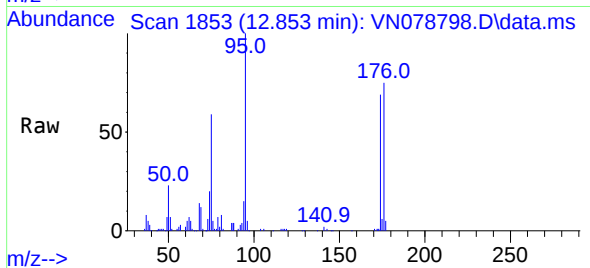




#76
1,2,3-Trichloropropane
Concen: 29.087 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078798.D
Acq: 08 Aug 2023 13:35

Instrument :
MSVOA_N
ClientSampleId :
72-11933

Tgt Ion: 75 Resp: 69221
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.050 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078798.D
Acq: 08 Aug 2023 13:35

Tgt Ion: 75 Resp: 69221
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

