

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112023\
 Data File : VN080214.D
 Acq On : 20 Nov 2023 17:46
 Operator : JC\MD
 Sample : PB157250ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

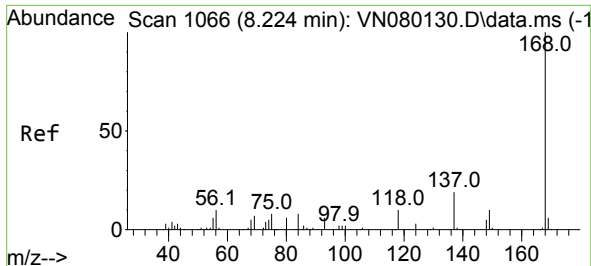
Quant Time: Nov 21 01:08:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	137476	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	263277	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	296377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	125942	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	132085	58.189	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 116.380%		
35) Dibromofluoromethane	8.171	113	99202	51.066	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.140%		
50) Toluene-d8	10.571	98	361796	51.664	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 103.320%		
62) 4-Bromofluorobenzene	12.853	95	145142	54.872	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 109.740%		
Target Compounds						Qvalue
6) Chloroethane	3.118	64	390	Below Cal	#	43
11) Tert butyl alcohol	5.530	59	334	1.338	ug/l #	72
16) Acetone	4.442	43	16020	21.012	ug/l #	82
18) Methyl Acetate	5.030	43	1762	0.719	ug/l #	86
20) Methylene Chloride	5.283	84	31778	19.903	ug/l	93
25) 2-Butanone	7.518	43	1162	1.283	ug/l #	37
31) Cyclohexane	8.230	56	3630	1.470	ug/l #	42
36) 1,1-Dichloropropene	8.224	75	12193	4.335	ug/l #	50
37) Ethyl Acetate	7.559	43	2177	1.116	ug/l #	76
38) Carbon Tetrachloride	8.224	117	16115	4.515	ug/l #	18
43) Isopropyl Acetate	8.694	43	107012	28.188	ug/l #	81
45) 1,2-Dichloropropane	9.741	63	1163	0.626	ug/l #	45
48) Methyl methacrylate	9.741	41	89654	45.825	ug/l #	30
51) 4-Methyl-2-Pentanone	10.453	43	3961	2.015	ug/l	99
53) t-1,3-Dichloropropene	10.729	75	718	0.226	ug/l #	86
54) cis-1,3-Dichloropropene	10.359	75	39169	12.064	ug/l #	70
56) Ethyl methacrylate	10.988	69	1817	0.932	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5425	1.627	ug/l #	42
59) 2-Hexanone	11.206	43	65760	41.637	ug/l #	46
71) Bromoform	12.841	173	1090	0.564	ug/l #	1
74) N-amyl acetate	12.482	43	926	0.303	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	86142	27.916	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	86142	94.316	ug/l #	15

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

Quant Time: Nov 21 01:08:47 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
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QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration

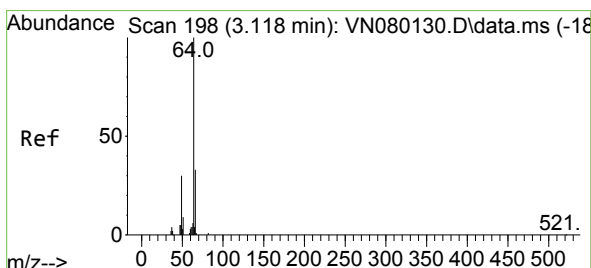
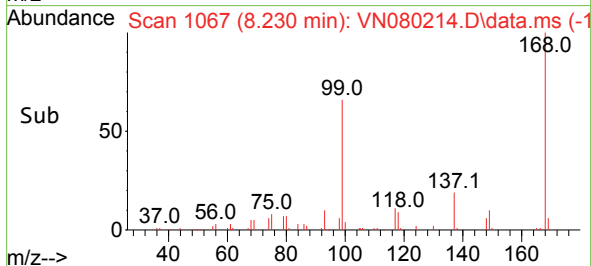
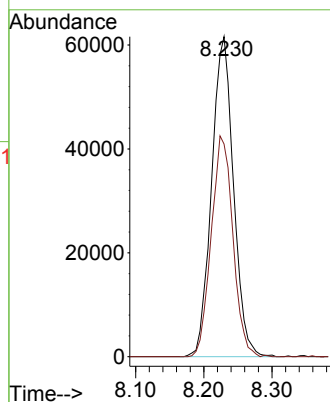
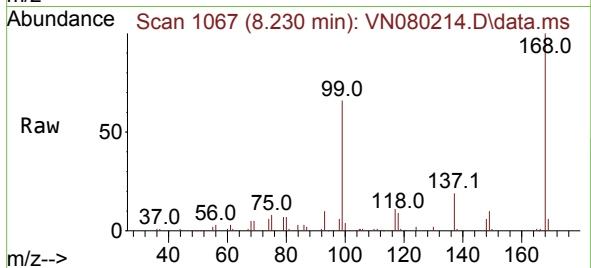




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080214.D
Acq: 20 Nov 2023 17:46

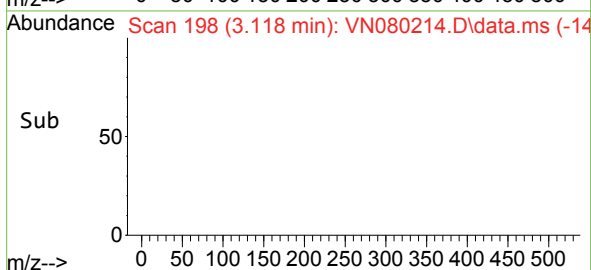
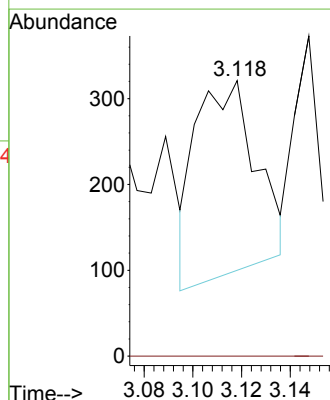
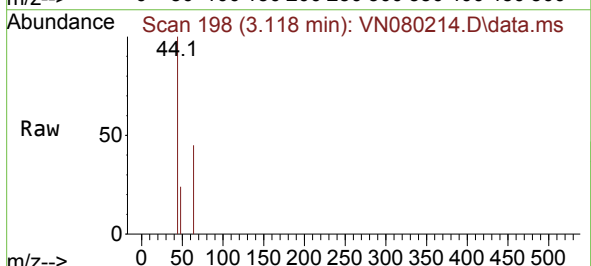
Instrument :
MSVOA_N
ClientSampleId :

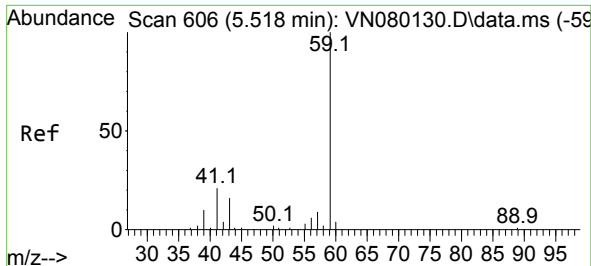
Tgt Ion:168 Resp: 137476
Ion Ratio Lower Upper
168 100
99 66.5 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN080214.D
Acq: 20 Nov 2023 17:46

Tgt Ion: 64 Resp: 390
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

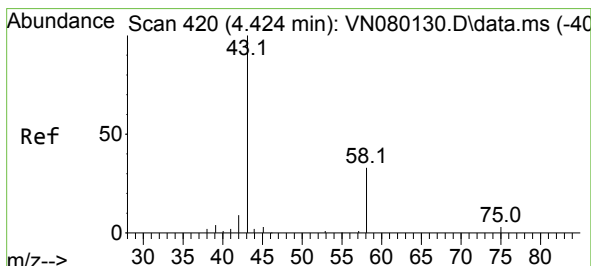
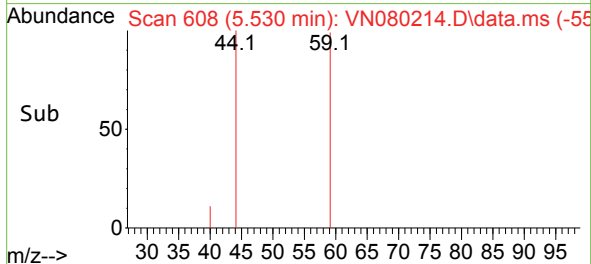
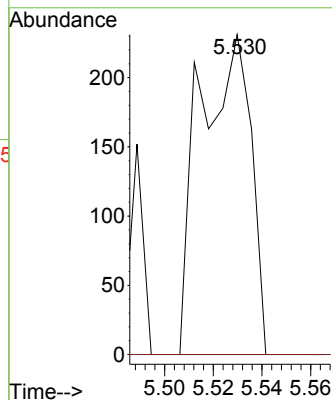
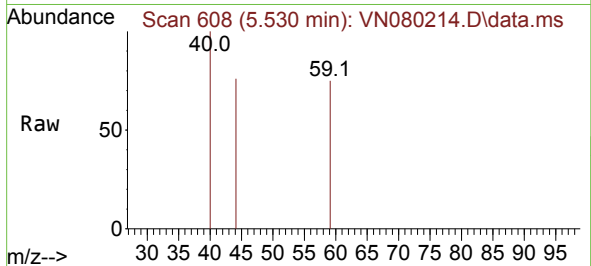




#11
Tert butyl alcohol
Concen: 1.338 ug/l
RT: 5.530 min Scan# 606
Delta R.T. 0.012 min
Lab File: VN080214.D
Acq: 20 Nov 2023 17:46

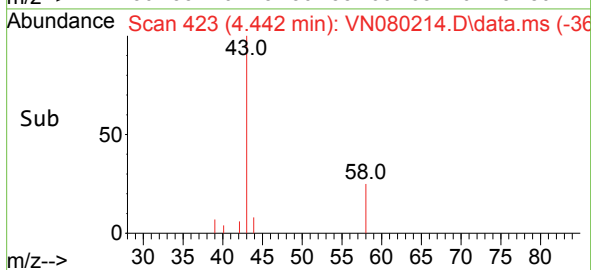
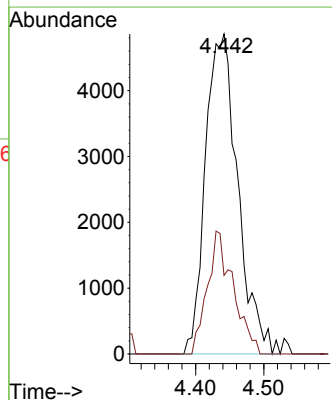
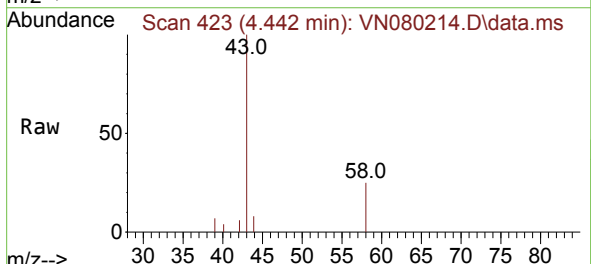
Instrument :
MSVOA_N
ClientSampleId :

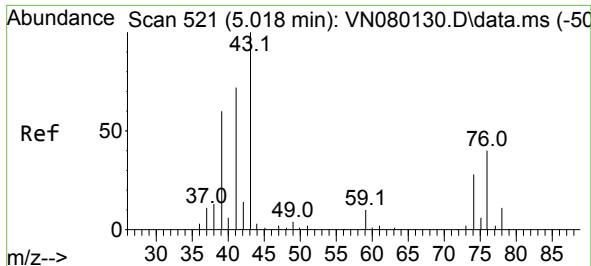
Tgt Ion: 59 Resp: 334
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 21.012 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN080214.D
Acq: 20 Nov 2023 17:46

Tgt Ion: 43 Resp: 16020
Ion Ratio Lower Upper
43 100
58 24.6 28.0 42.0#





#18

Methyl Acetate

Concen: 0.719 ug/l

RT: 5.030 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN080214.D

Acq: 20 Nov 2023 17:46

Instrument :

MSVOA_N

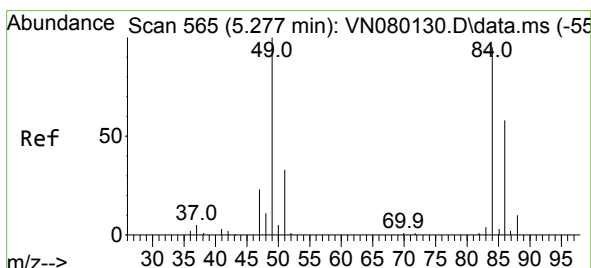
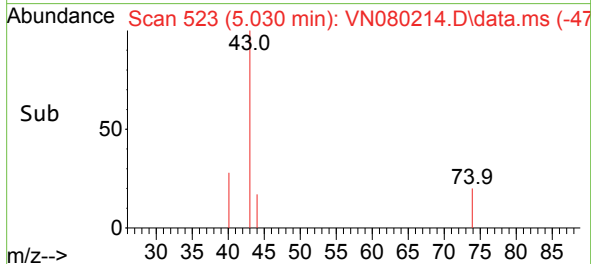
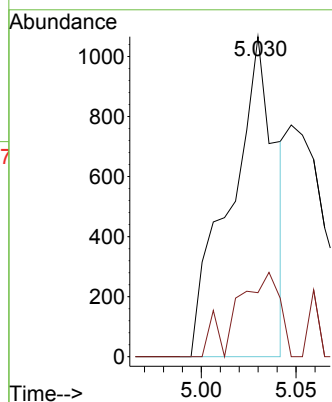
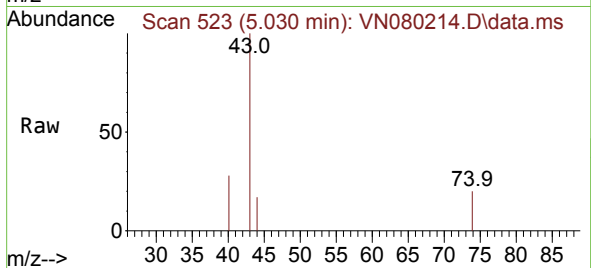
ClientSampleId :

Tgt Ion: 43 Resp: 1762

Ion Ratio Lower Upper

43 100

74 25.1 26.2 39.4#



#20

Methylene Chloride

Concen: 19.903 ug/l

RT: 5.283 min Scan# 566

Delta R.T. 0.006 min

Lab File: VN080214.D

Acq: 20 Nov 2023 17:46

Tgt Ion: 84 Resp: 31778

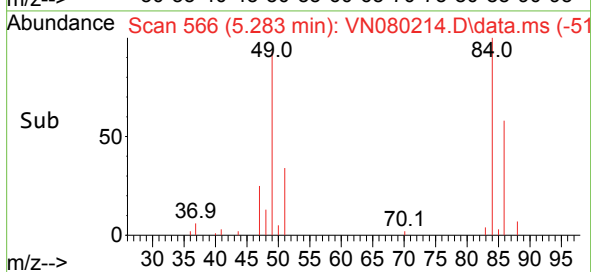
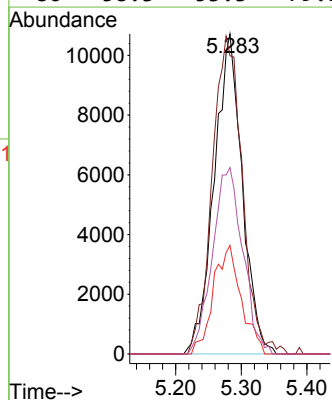
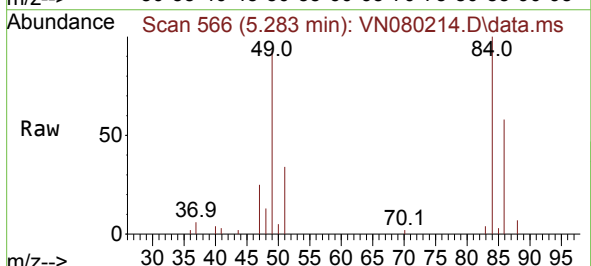
Ion Ratio Lower Upper

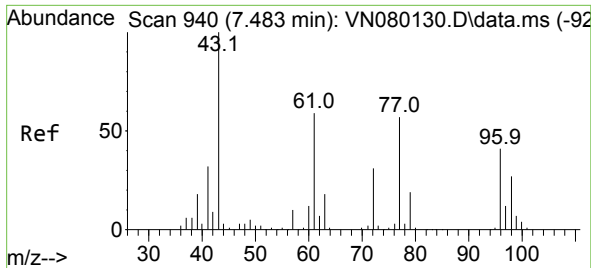
84 100

49 93.2 79.7 119.5

51 33.9 25.2 37.8

86 58.3 53.3 79.9

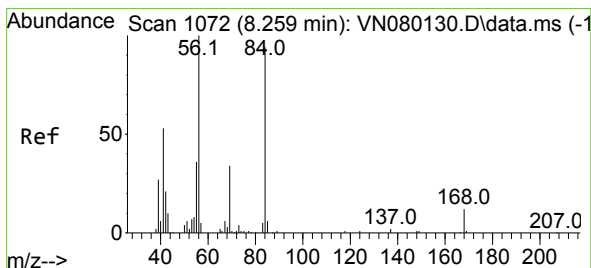
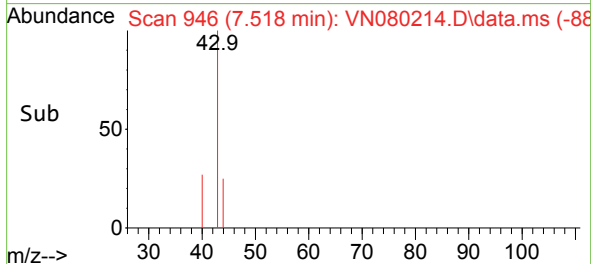
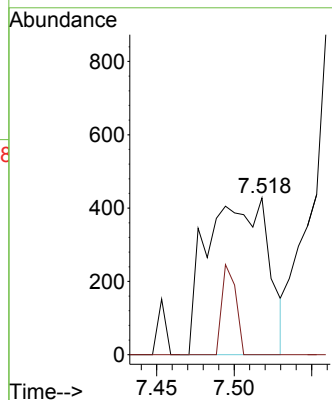
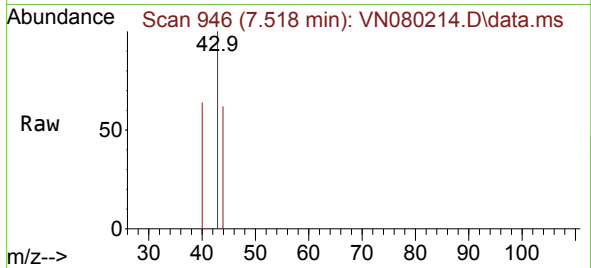




#25
2-Butanone
Concen: 1.283 ug/l
RT: 7.518 min Scan# 94
Delta R.T. 0.035 min
Lab File: VN080214.D
Acq: 20 Nov 2023 17:46

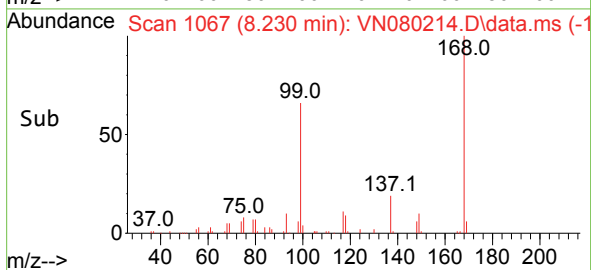
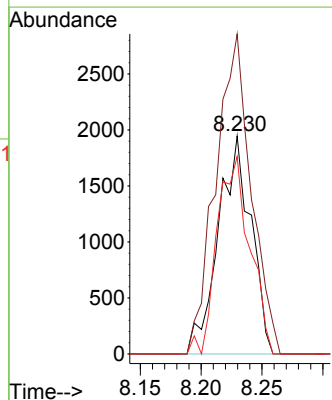
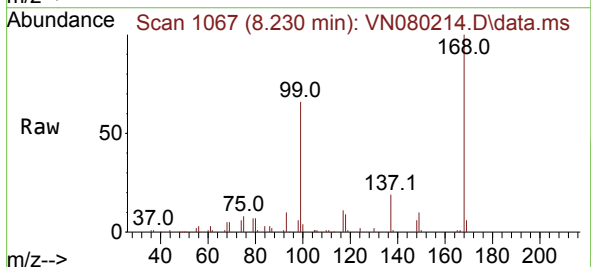
Instrument :
MSVOA_N
ClientSampleId :

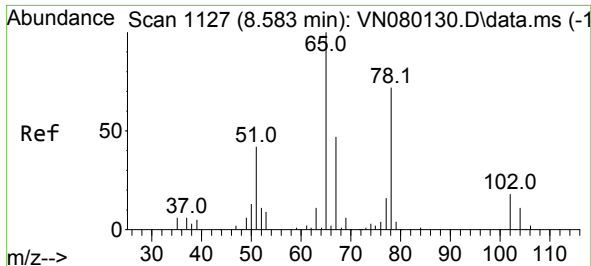
Tgt Ion: 43 Resp: 1162
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.470 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080214.D
Acq: 20 Nov 2023 17:46

Tgt Ion: 56 Resp: 3630
Ion Ratio Lower Upper
56 100
69 146.9 26.8 40.2#
84 90.6 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 58.189 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080214.D

Acq: 20 Nov 2023 17:46

Instrument :

MSVOA_N

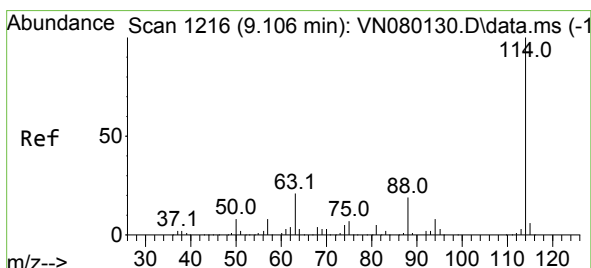
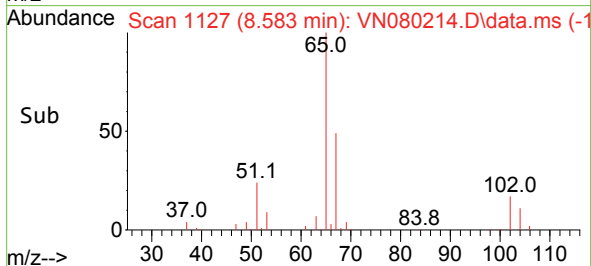
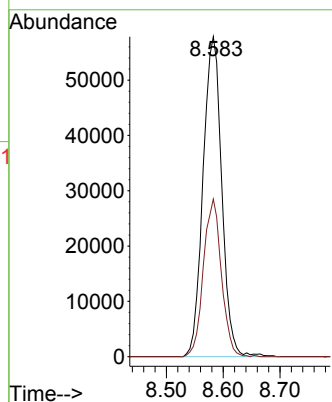
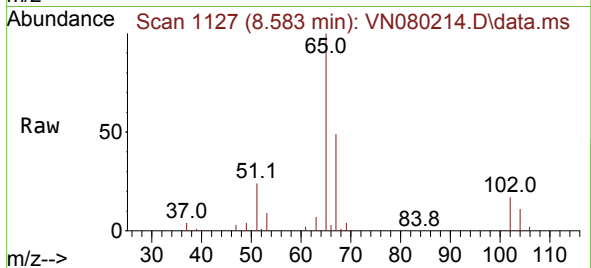
ClientSampleId :

Tgt Ion: 65 Resp: 132085

Ion Ratio Lower Upper

65 100

67 47.2 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN080214.D

Acq: 20 Nov 2023 17:46

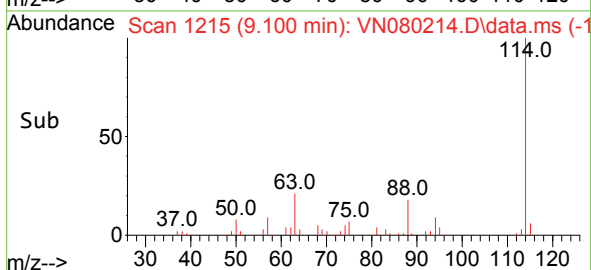
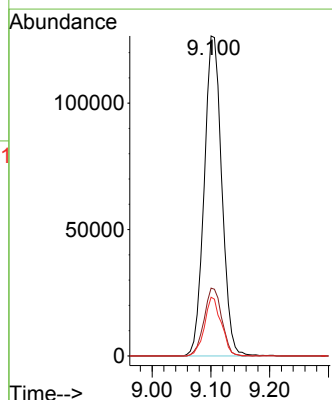
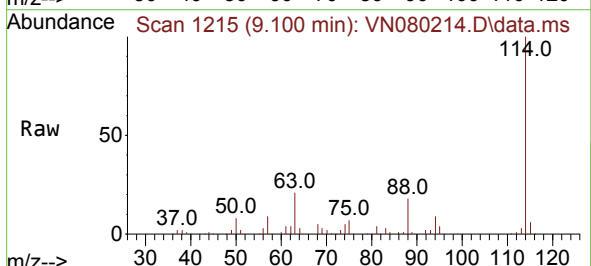
Tgt Ion: 114 Resp: 263277

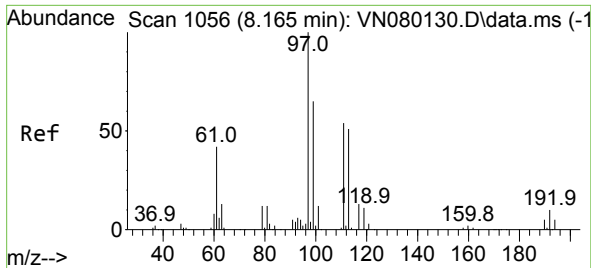
Ion Ratio Lower Upper

114 100

63 21.2 0.0 36.4

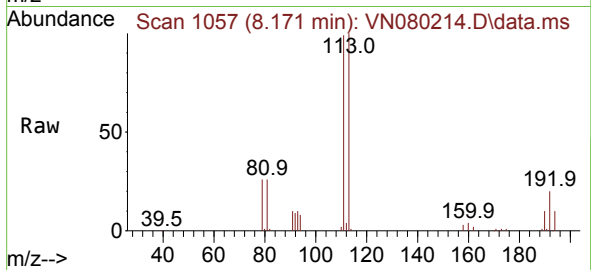
88 18.4 0.0 30.6



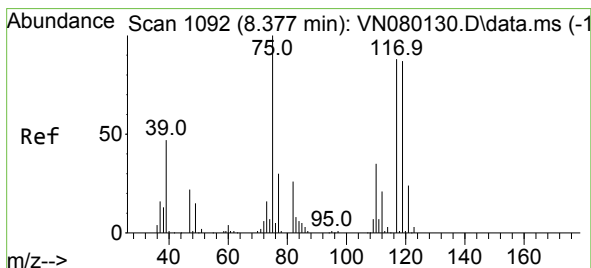
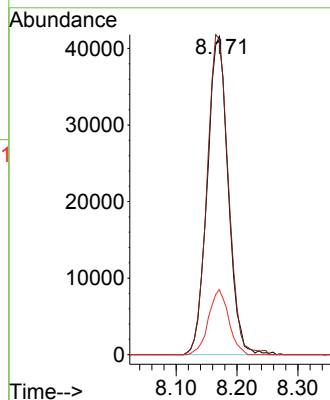
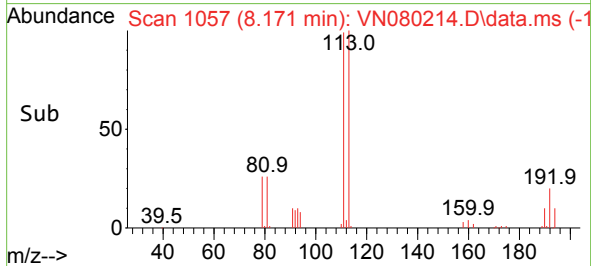


#35
 Dibromofluoromethane
 Concen: 51.066 ug/l
 RT: 8.171 min Scan# 1056
 Delta R.T. 0.006 min
 Lab File: VN080214.D
 Acq: 20 Nov 2023 17:46

Instrument :
 MSVOA_N
 ClientSampleId :

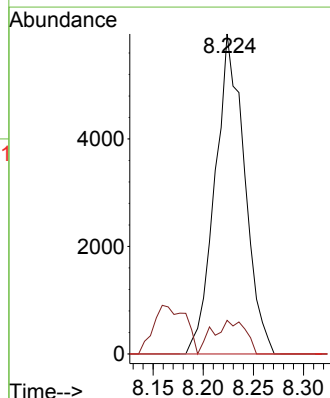
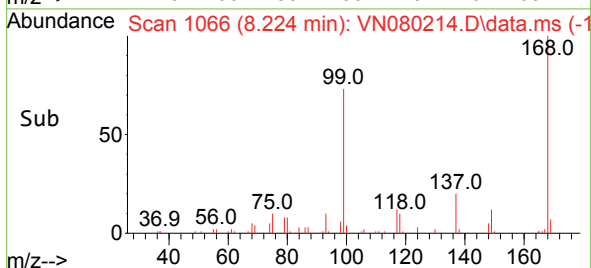
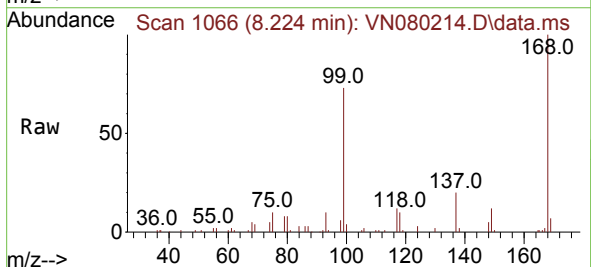


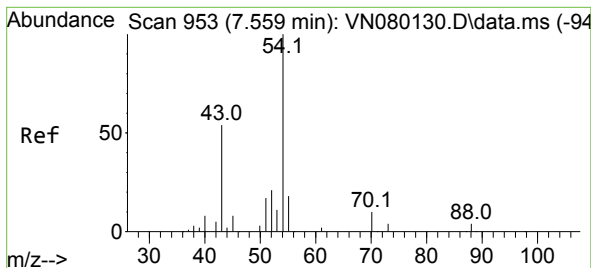
Tgt Ion:113 Resp: 99202
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.6 123.8
 192 19.8 12.7 19.1#



#36
 1,1-Dichloropropene
 Concen: 4.335 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.153 min
 Lab File: VN080214.D
 Acq: 20 Nov 2023 17:46

Tgt Ion: 75 Resp: 12193
 Ion Ratio Lower Upper
 75 100
 110 11.5 19.1 57.3#
 77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.116 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

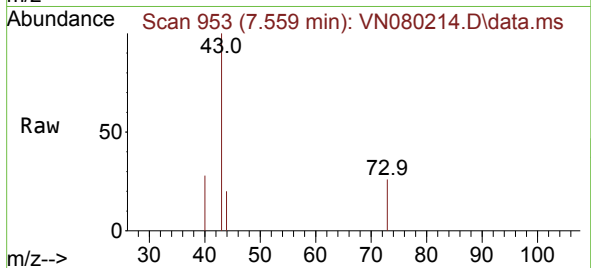
Lab File: VN080214.D

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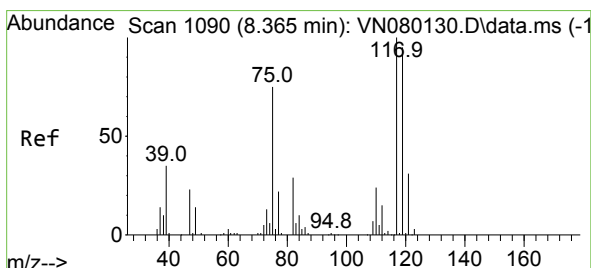
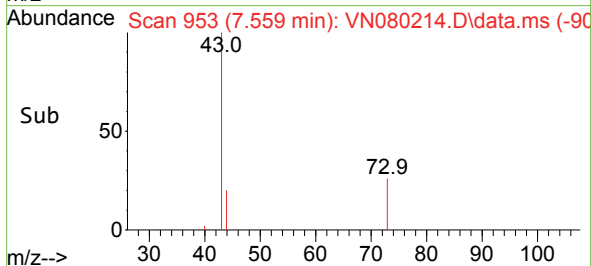
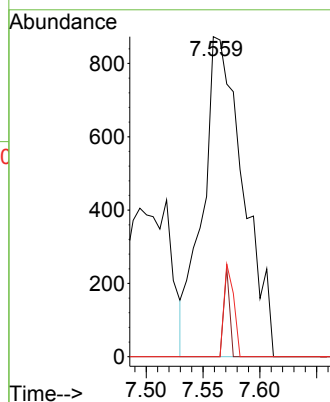
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	2177
Ion	Ratio	Lower	Upper
43	100		
61	4.0	13.2	19.8#
70	6.9	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 4.515 ug/l

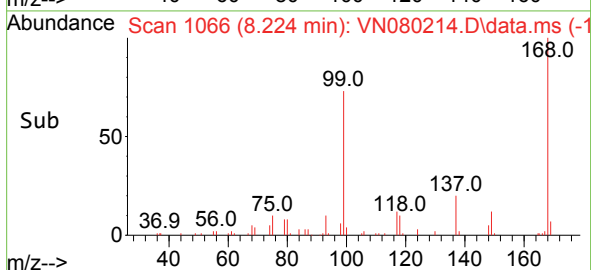
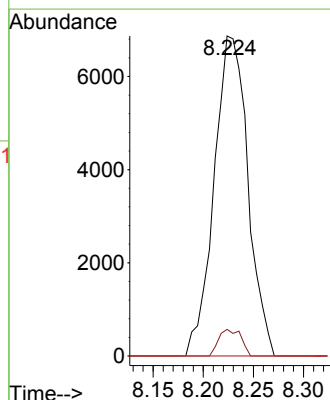
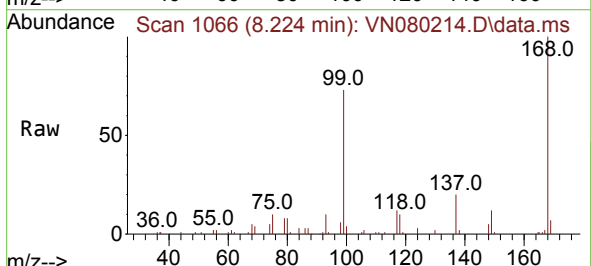
RT: 8.224 min Scan# 1066

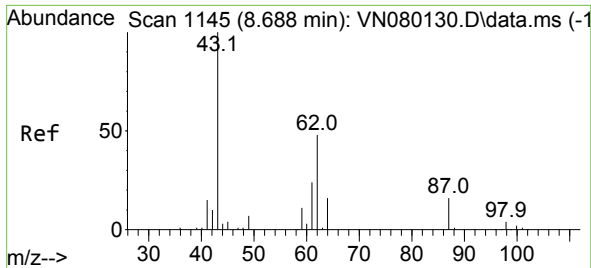
Delta R.T. -0.141 min

Lab File: VN080214.D

Acq: 20 Nov 2023 17:46

Tgt Ion:	117	Resp:	16115
Ion	Ratio	Lower	Upper
117	100		
119	8.3	77.3	115.9#
121	0.0	23.3	34.9#

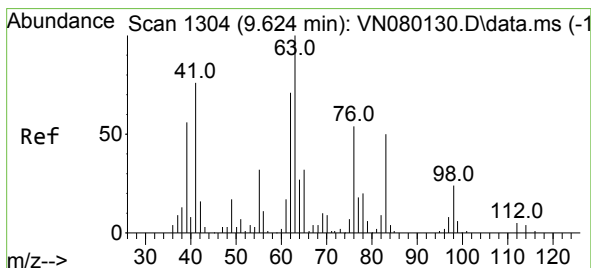
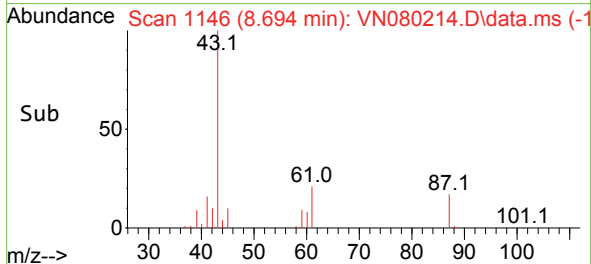
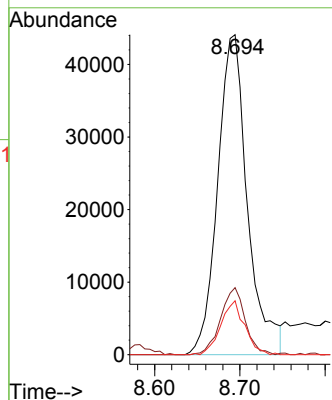
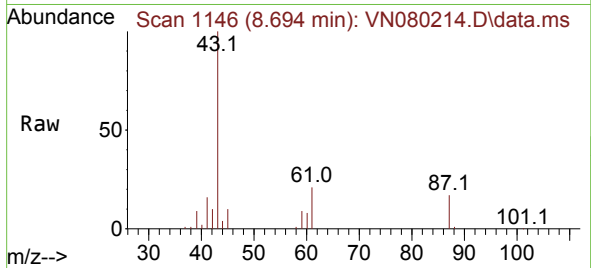




#43
Isopropyl Acetate
Concen: 28.188 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN080214.D
Acq: 20 Nov 2023 17:46

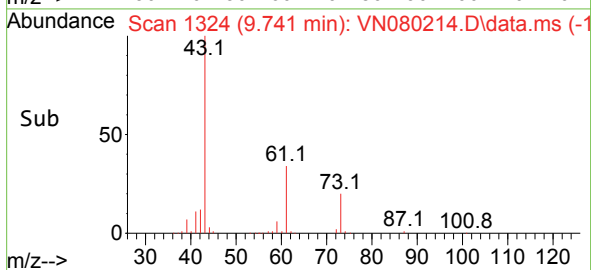
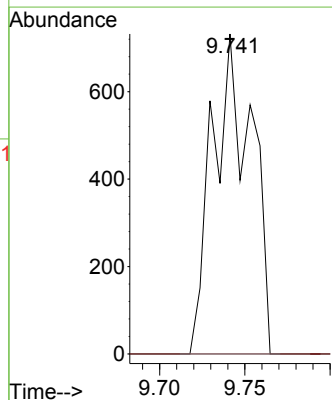
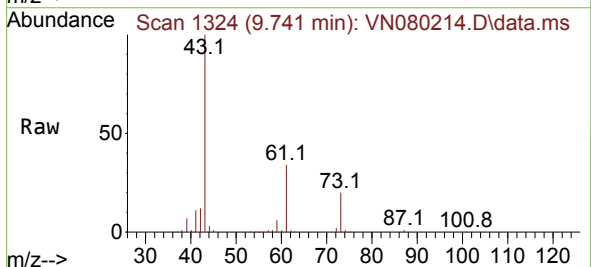
Instrument :
MSVOA_N
ClientSampleId :

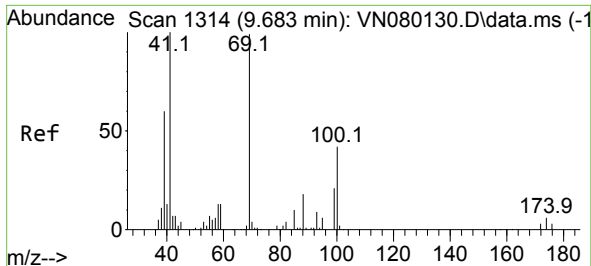
Tgt Ion: 43 Resp: 107012
Ion Ratio Lower Upper
43 100
61 17.3 24.7 37.1#
87 13.6 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.626 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN080214.D
Acq: 20 Nov 2023 17:46

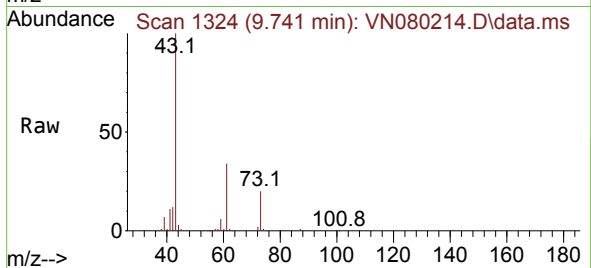
Tgt Ion: 63 Resp: 1163
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



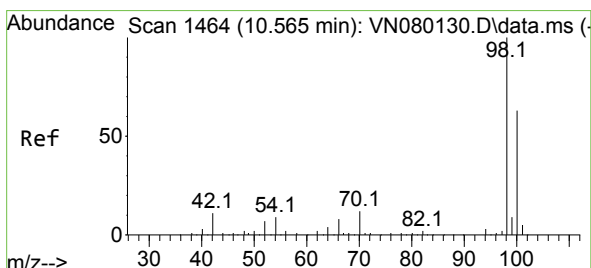
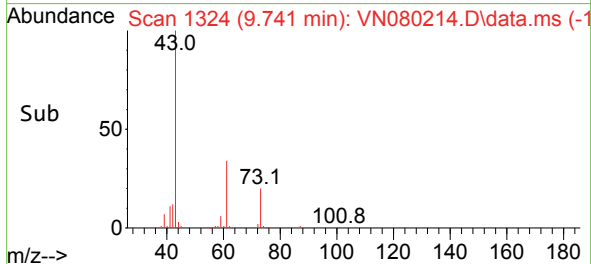
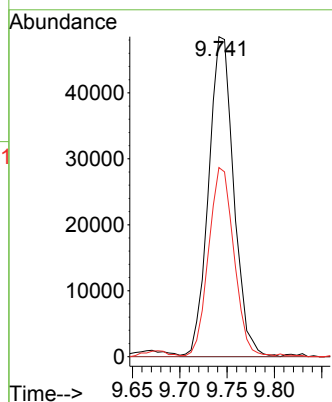


#48
Methyl methacrylate
Concen: 45.825 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN080214.D
Acq: 20 Nov 2023 17:46

Instrument :
MSVOA_N
ClientSampleId :

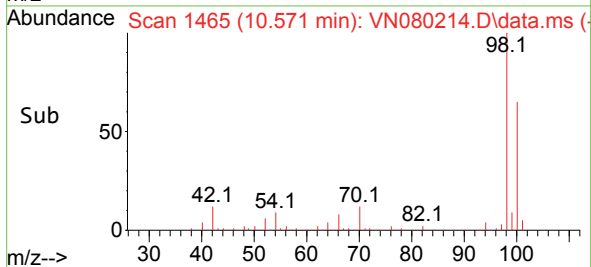
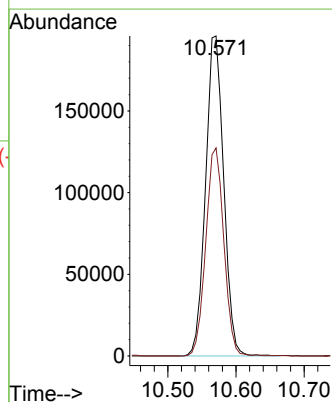
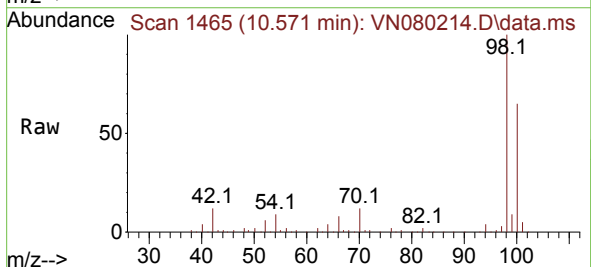


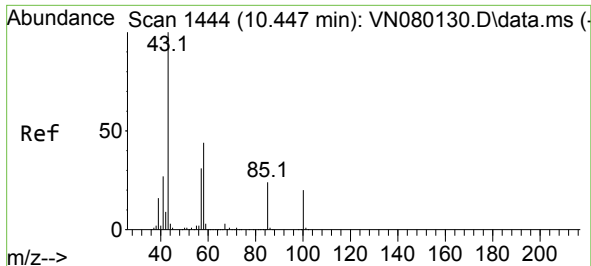
Tgt Ion: 41 Resp: 89654
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 59.0 54.6 81.8



#50
Toluene-d8
Concen: 51.664 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080214.D
Acq: 20 Nov 2023 17:46

Tgt Ion: 98 Resp: 361796
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 2.015 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.006 min

Lab File: VN080214.D

Acq: 20 Nov 2023 17:46

Instrument :

MSVOA_N

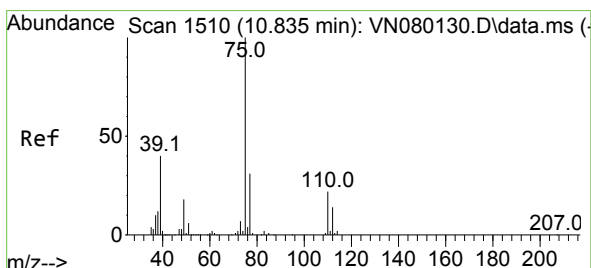
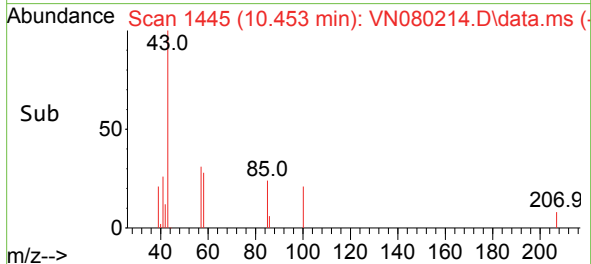
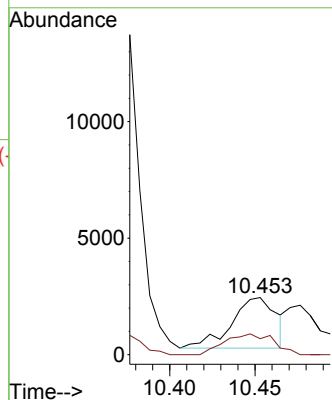
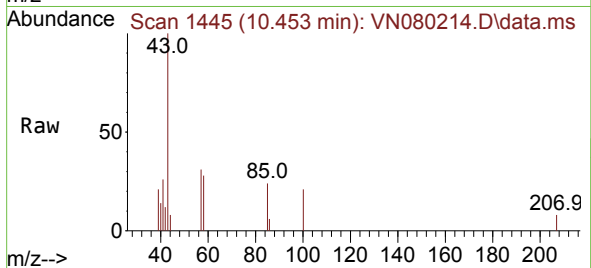
ClientSampleId :

Tgt Ion: 43 Resp: 3961

Ion Ratio Lower Upper

43 100

58 45.1 36.6 54.8



#53

t-1,3-Dichloropropene

Concen: 0.226 ug/l

RT: 10.729 min Scan# 1492

Delta R.T. -0.106 min

Lab File: VN080214.D

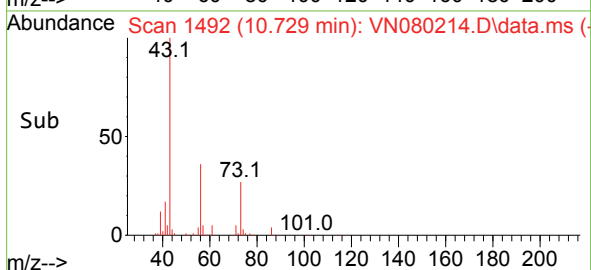
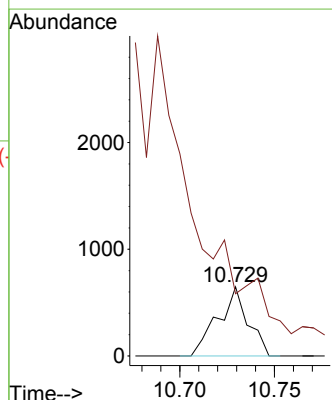
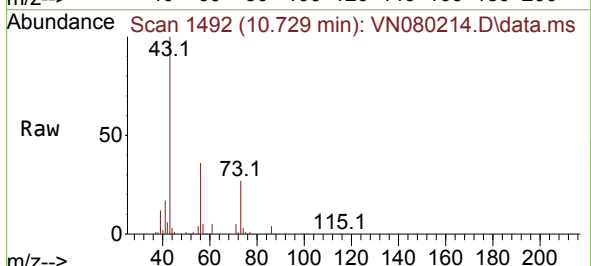
Acq: 20 Nov 2023 17:46

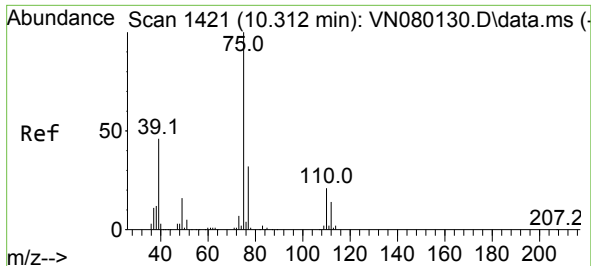
Tgt Ion: 75 Resp: 718

Ion Ratio Lower Upper

75 100

77 39.5 25.4 38.0#

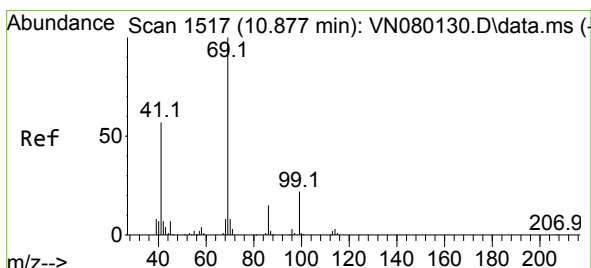
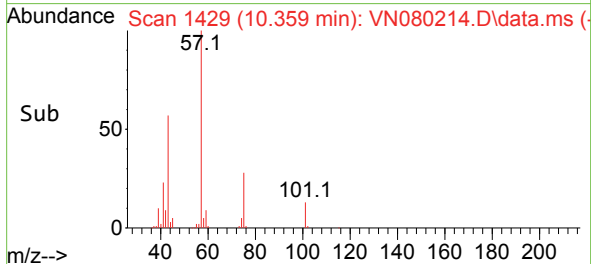
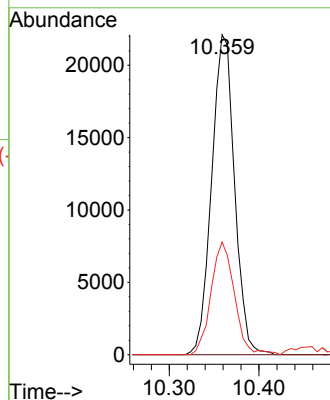
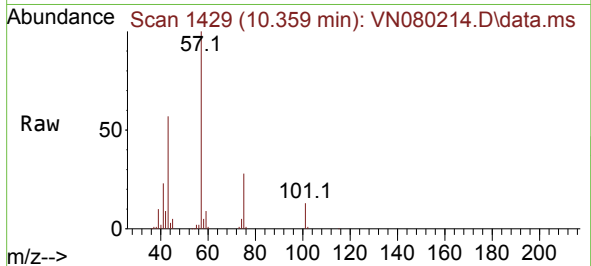




#54
cis-1,3-Dichloropropene
Concen: 12.064 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080214.D
Acq: 20 Nov 2023 17:46

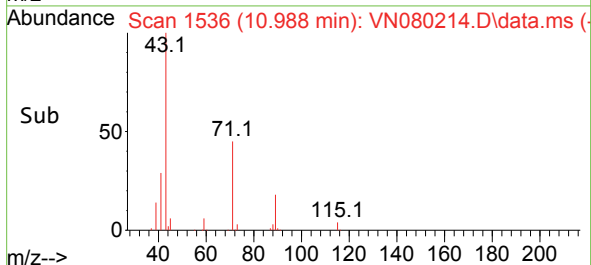
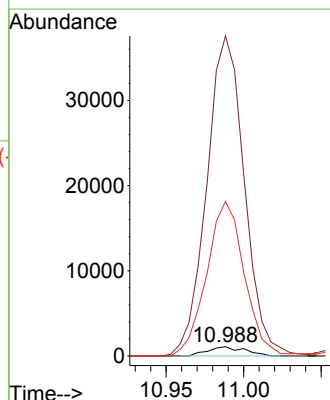
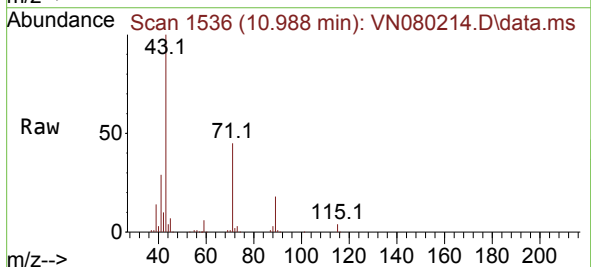
Instrument :
MSVOA_N
ClientSampleId :

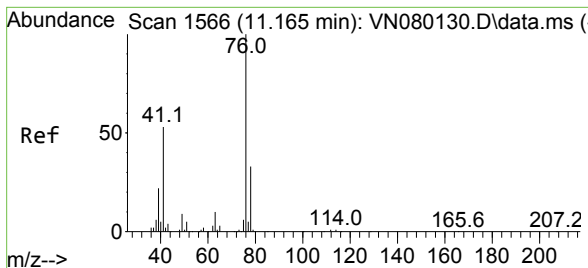
Tgt Ion: 75 Resp: 39169
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 35.2 31.6 47.4



#56
Ethyl methacrylate
Concen: 0.932 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN080214.D
Acq: 20 Nov 2023 17:46

Tgt Ion: 69 Resp: 1817
Ion Ratio Lower Upper
69 100
41 3498.7 39.6 59.4#
39 1695.5 28.6 43.0#

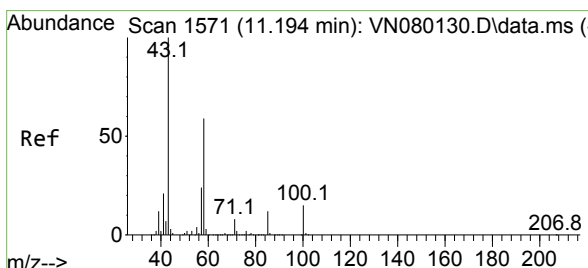
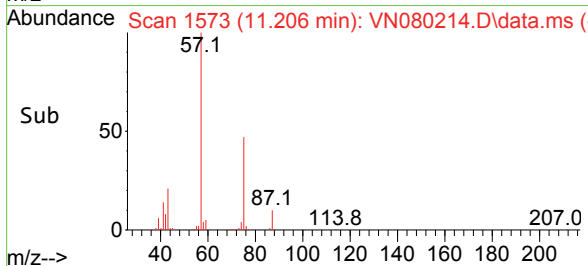
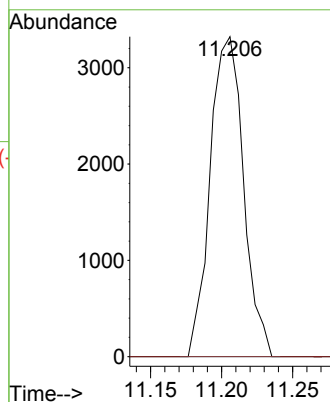
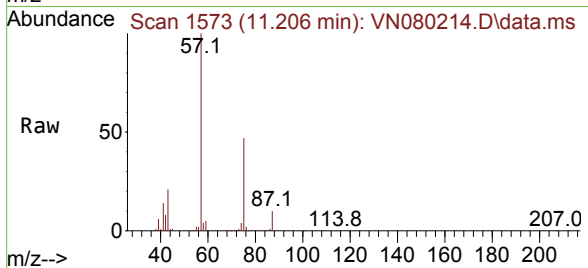




#57
1,3-Dichloropropane
Concen: 1.627 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080214.D
Acq: 20 Nov 2023 17:46

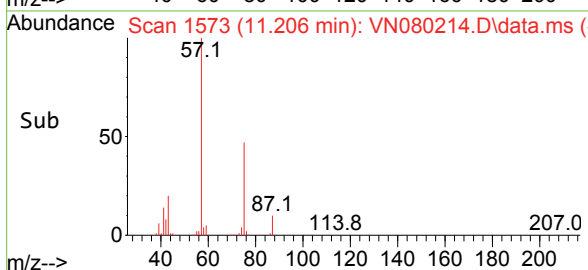
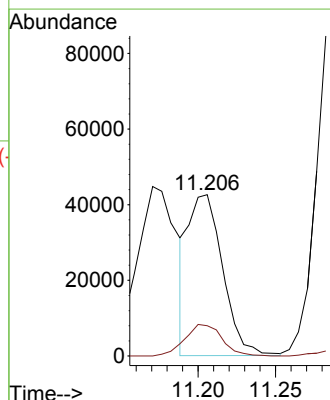
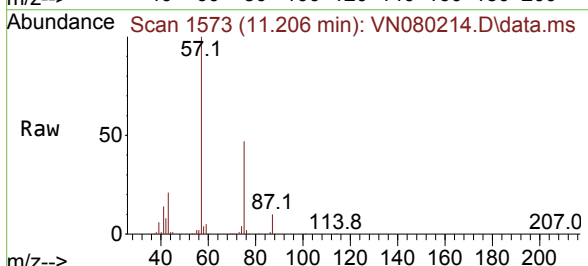
Instrument :
MSVOA_N
ClientSampleId :

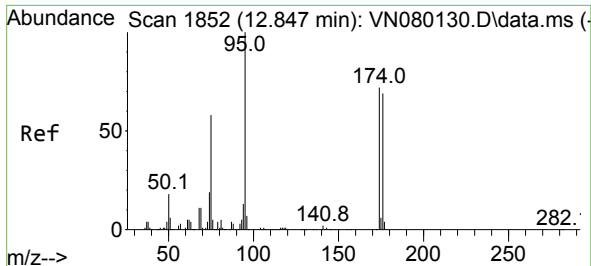
Tgt Ion: 76 Resp: 5425
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 41.637 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.012 min
Lab File: VN080214.D
Acq: 20 Nov 2023 17:46

Tgt Ion: 43 Resp: 65760
Ion Ratio Lower Upper
43 100
58 21.1 31.7 95.1#

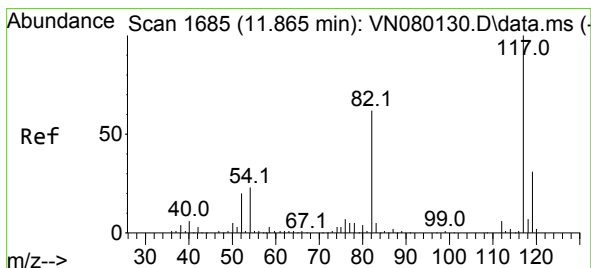
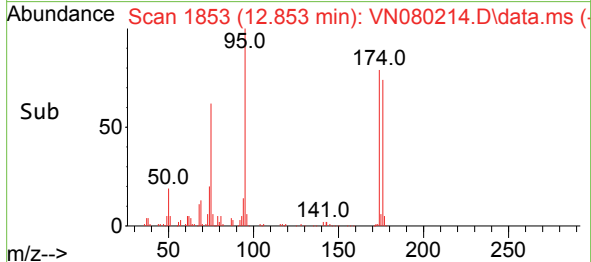
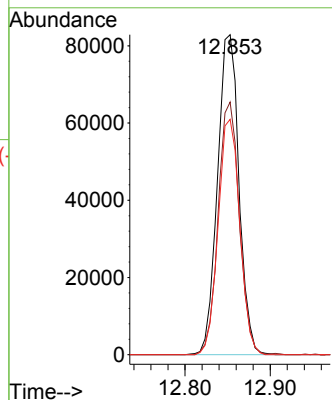
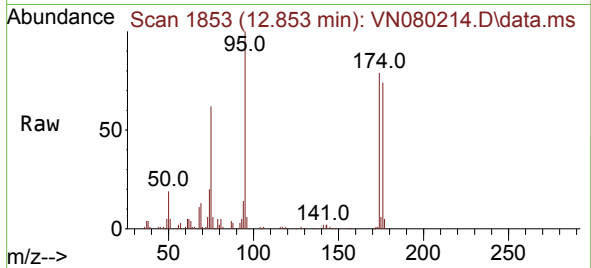




#62
4-Bromofluorobenzene
Concen: 54.872 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080214.D
Acq: 20 Nov 2023 17:46

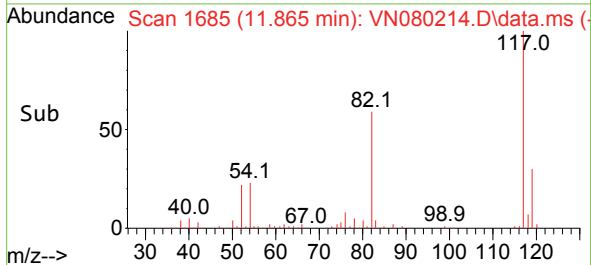
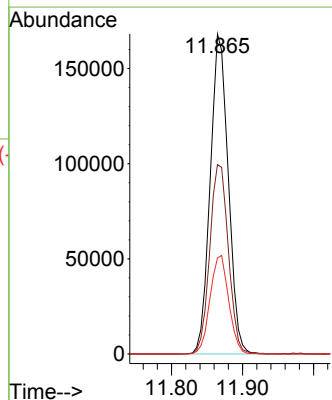
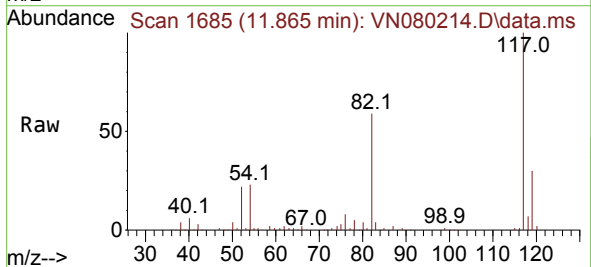
Instrument :
MSVOA_N
ClientSampleId :

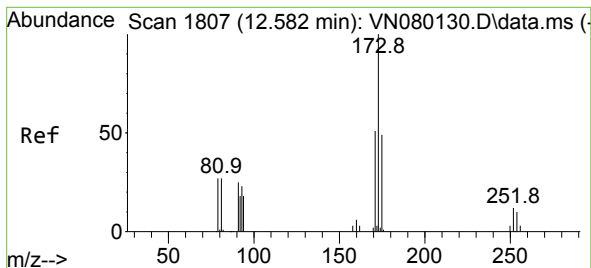
Tgt Ion: 95 Resp: 145142
Ion Ratio Lower Upper
95 100
174 77.6 0.0 143.8
176 74.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN080214.D
Acq: 20 Nov 2023 17:46

Tgt Ion: 117 Resp: 296377
Ion Ratio Lower Upper
117 100
82 59.2 44.0 66.0
119 30.0 25.6 38.4





#71

Bromoform

Concen: 0.564 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.259 min

Lab File: VN080214.D

Acq: 20 Nov 2023 17:46

Instrument :

MSVOA_N

ClientSampleId :

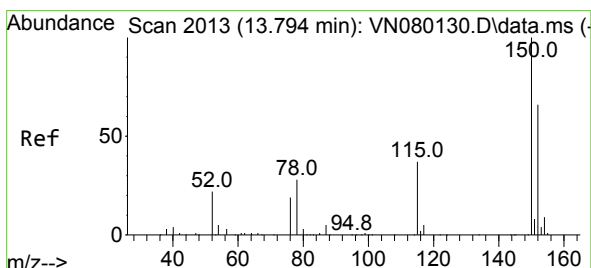
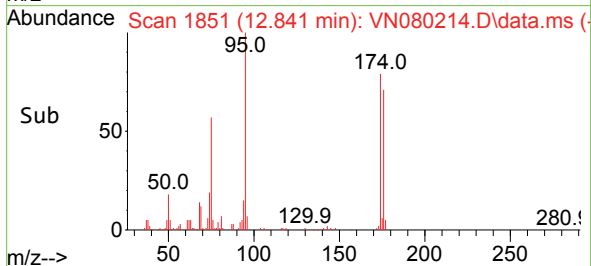
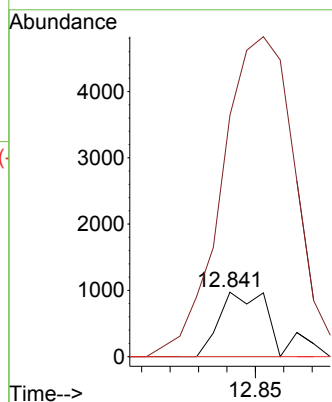
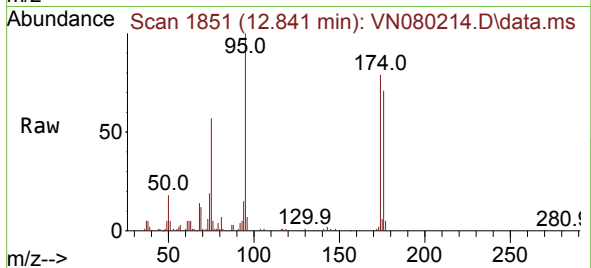
Tgt Ion:173 Resp: 1090

Ion Ratio Lower Upper

173 100

175 666.6 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. -0.000 min

Lab File: VN080214.D

Acq: 20 Nov 2023 17:46

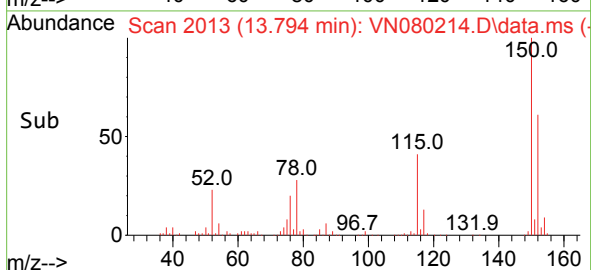
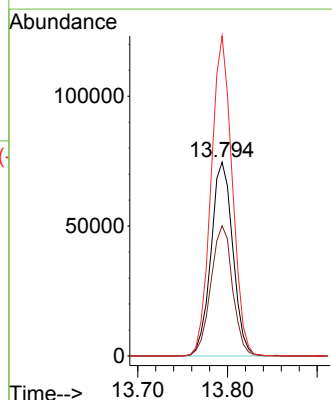
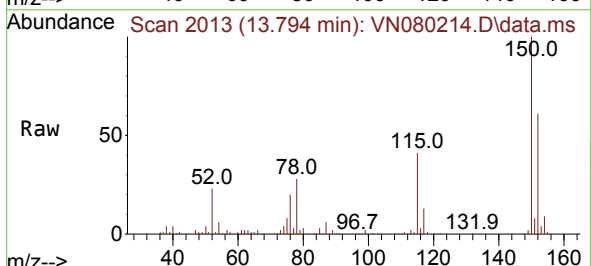
Tgt Ion:152 Resp: 125942

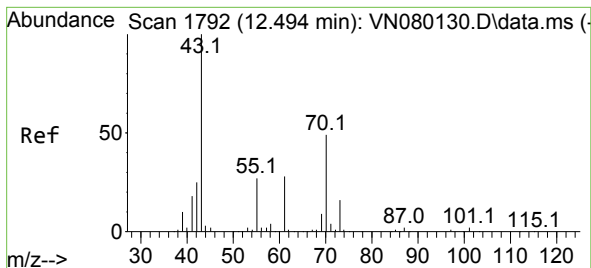
Ion Ratio Lower Upper

152 100

115 67.0 32.3 96.8

150 159.6 0.0 355.8





#74

N-amy1 acetate

Concen: 0.303 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.012 min

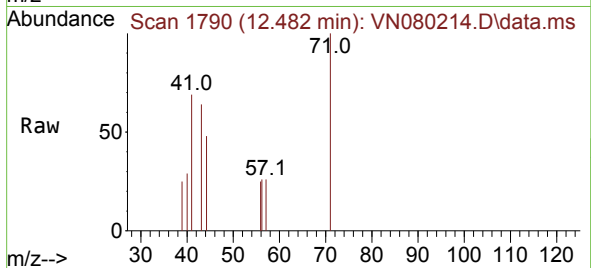
Lab File: VN080214.D

Acq: 20 Nov 2023 17:46

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 926

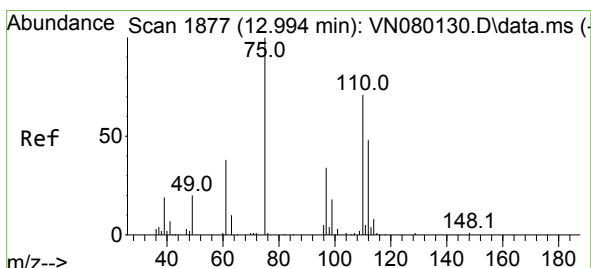
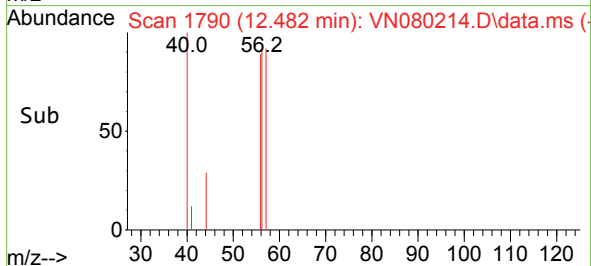
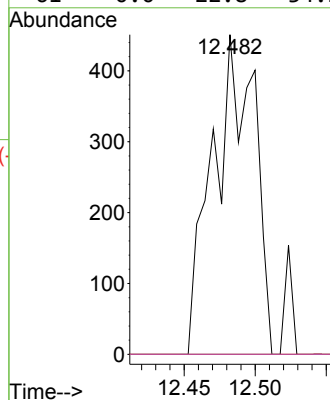
Ion Ratio Lower Upper

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: 27.916 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080214.D

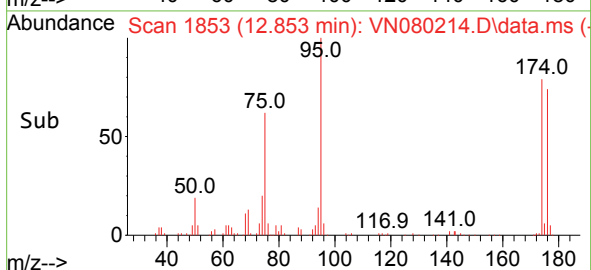
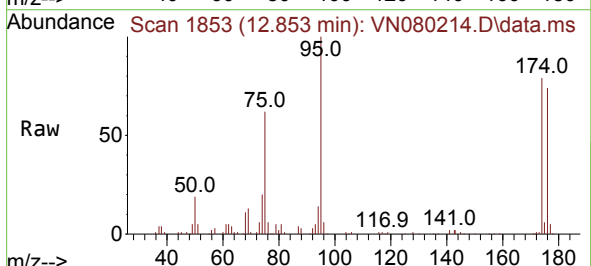
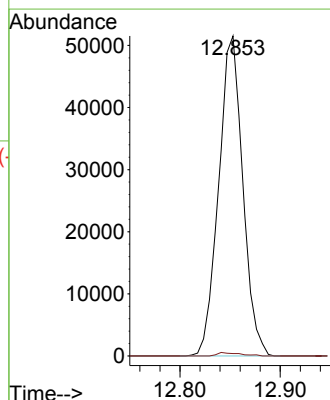
Acq: 20 Nov 2023 17:46

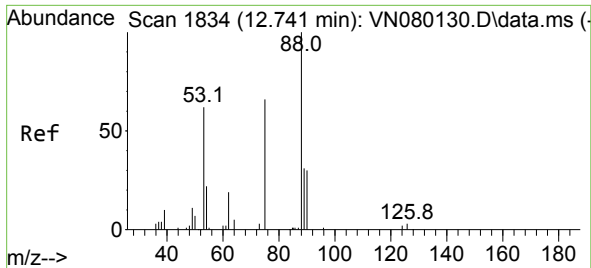
Tgt Ion: 75 Resp: 86142

Ion Ratio Lower Upper

75 100

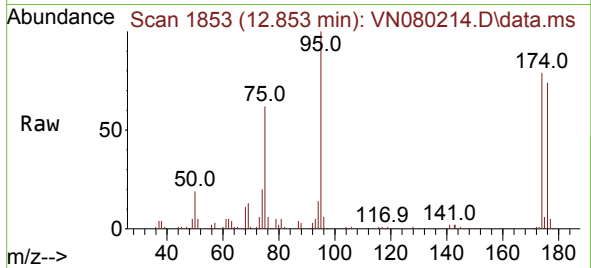
77 1.0 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.316 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080214.D
 Acq: 20 Nov 2023 17:46

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 86142
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.1 38.8 58.2#

