

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122123\
 Data File : VN080573.D
 Acq On : 21 Dec 2023 15:04
 Operator : JC\MD
 Sample : 05896-01DL 40X
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 22 04:00:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

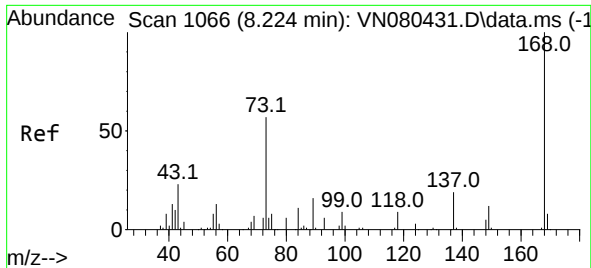
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	280308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	516296	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	551140	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	270601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	195636	54.644	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.280%			
35) Dibromofluoromethane	8.165	113	174220	53.221	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.440%			
50) Toluene-d8	10.565	98	639749	52.402	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.800%			
62) 4-Bromofluorobenzene	12.847	95	274160	59.138	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 118.280%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	3486	0.531	ug/l	98
11) Tert butyl alcohol	5.506	59	184	0.436	ug/l #	72
13) Acrolein	4.171	56	241	0.522	ug/l #	75
16) Acetone	4.430	43	12502	19.694	ug/l	99
20) Methylene Chloride	5.283	84	1212	0.357	ug/l #	54
31) Cyclohexane	8.218	56	11094	2.279	ug/l #	68
36) 1,1-Dichloropropene	8.224	75	22199	4.147	ug/l #	46
38) Carbon Tetrachloride	8.230	117	31134	4.868	ug/l #	15
39) Methylcyclohexane	9.606	83	6405	1.152	ug/l	92
43) Isopropyl Acetate	8.706	43	3714	0.616	ug/l #	49
48) Methyl methacrylate	9.600	41	3009	0.837	ug/l #	53
51) 4-Methyl-2-Pentanone	10.341	43	893	0.269	ug/l #	31
52) Toluene	10.629	92	303525	31.086	ug/l	99
53) t-1,3-Dichloropropene	10.629	75	3807	0.630	ug/l #	1
55) 1,1,2-Trichloroethane	11.006	97	2091	0.595	ug/l #	16
59) 2-Hexanone	11.171	43	991	0.404	ug/l #	19
67) Ethyl Benzene	11.965	91	29663	1.316	ug/l	93
68) m/p-Xylenes	12.065	106	40278	4.835	ug/l	92
69) o-Xylene	12.394	106	11935	1.465	ug/l	91
74) N-amyl acetate	12.482	43	1620	0.255	ug/l #	68
76) 1,2,3-Trichloropropane	12.847	75	141927	26.291	ug/l #	1
78) n-propylbenzene	13.041	91	7020	0.293	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	5656	0.302	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.847	75	141927	69.028	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.482	105	17033	0.915	ug/l	99

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

Quant Time: Dec 22 04:00:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 13 01:57:14 2023
Response via : Initial Calibration

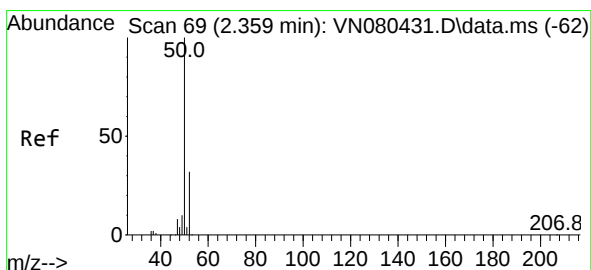
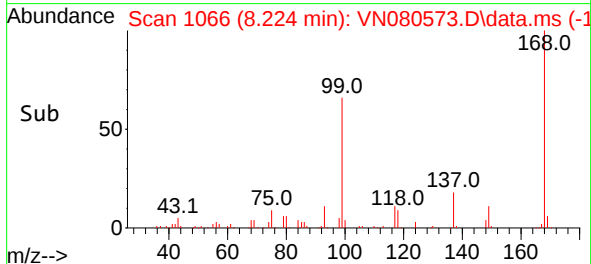
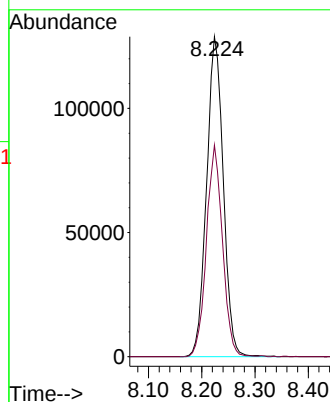
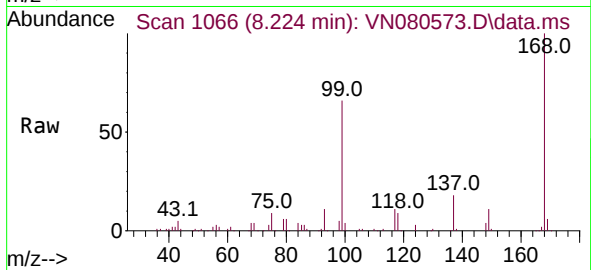




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080573.D
Acq: 21 Dec 2023 15:04

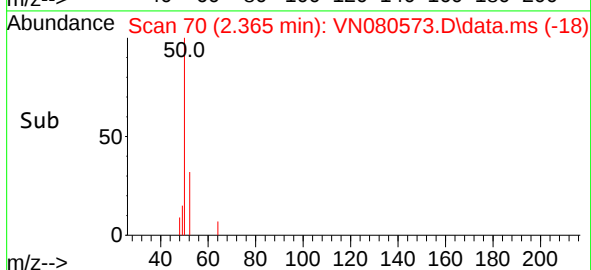
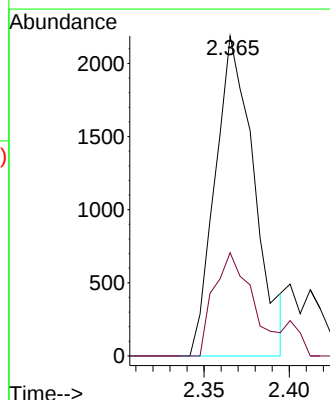
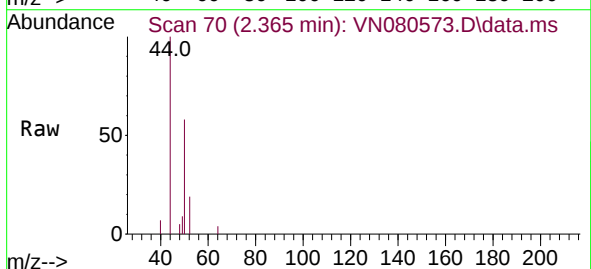
Instrument :
MSVOA_N
ClientSampleId :

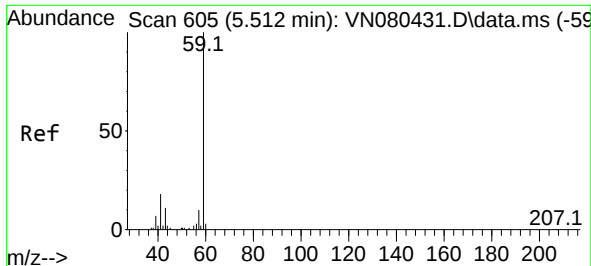
Tgt Ion:168 Resp: 280308
Ion Ratio Lower Upper
168 100
99 66.1 53.0 79.6



#3
Chloromethane
Concen: 0.531 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080573.D
Acq: 21 Dec 2023 15:04

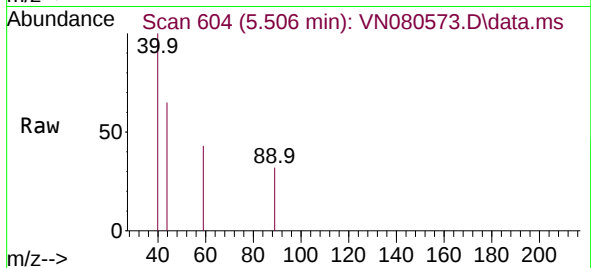
Tgt Ion: 50 Resp: 3486
Ion Ratio Lower Upper
50 100
52 32.2 26.5 39.7



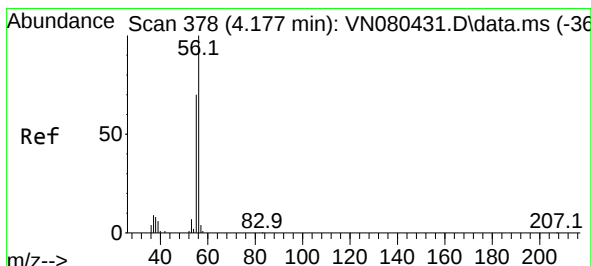
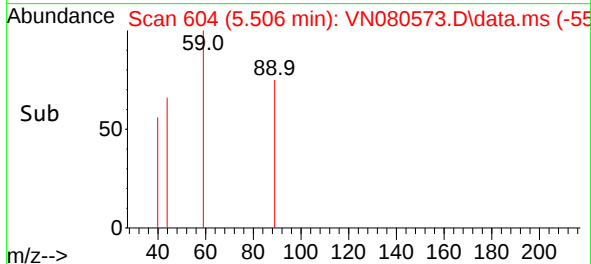
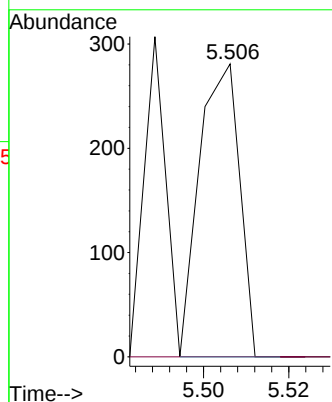


#11
Tert butyl alcohol
Concen: 0.436 ug/l
RT: 5.506 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN080573.D
Acq: 21 Dec 2023 15:04

Instrument :
MSVOA_N
ClientSampleId :

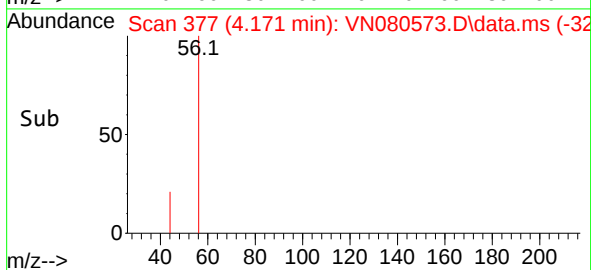
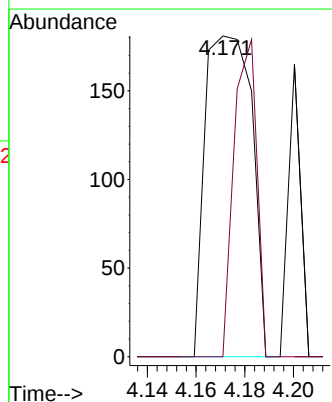
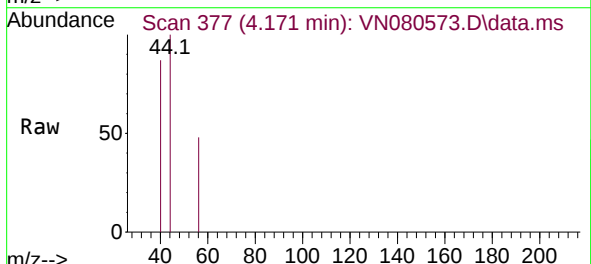


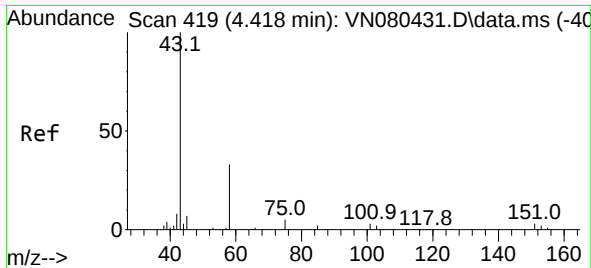
Tgt Ion: 59 Resp: 184
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.522 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN080573.D
Acq: 21 Dec 2023 15:04

Tgt Ion: 56 Resp: 241
Ion Ratio Lower Upper
56 100
55 48.1 54.5 81.7#

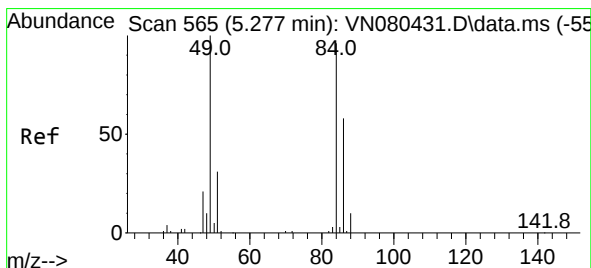
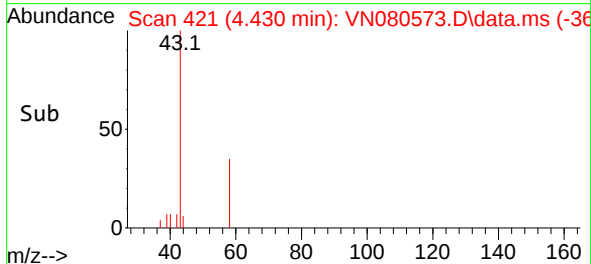
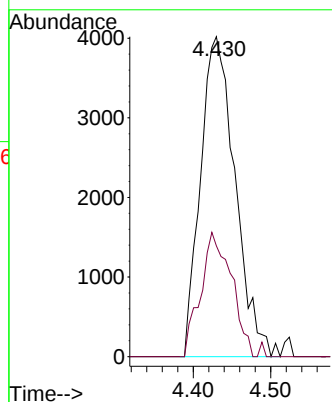
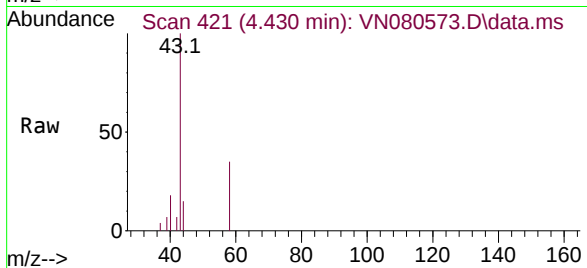




#16
Acetone
Concen: 19.694 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN080573.D
Acq: 21 Dec 2023 15:04

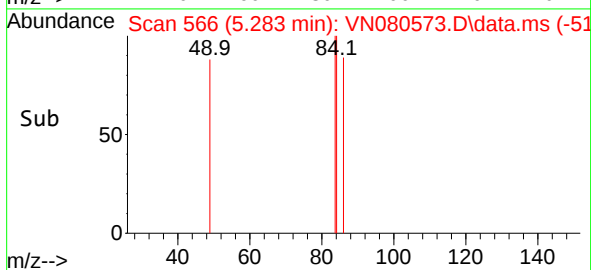
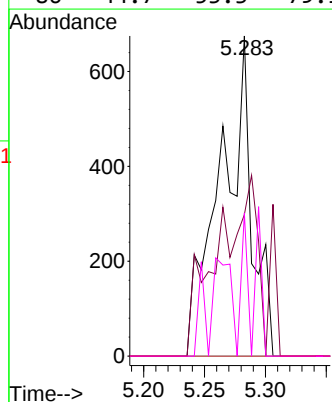
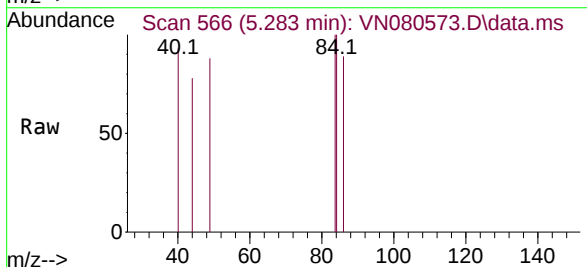
Instrument :
MSVOA_N
ClientSampleId :

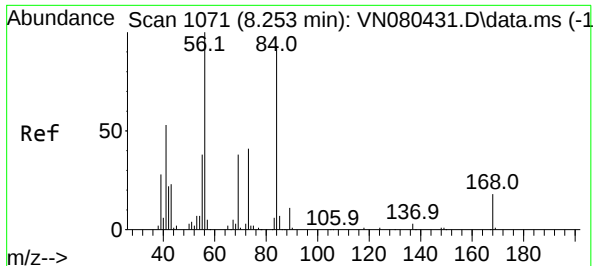
Tgt Ion: 43 Resp: 12502
Ion Ratio Lower Upper
43 100
58 34.6 28.0 42.0



#20
Methylene Chloride
Concen: 0.357 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN080573.D
Acq: 21 Dec 2023 15:04

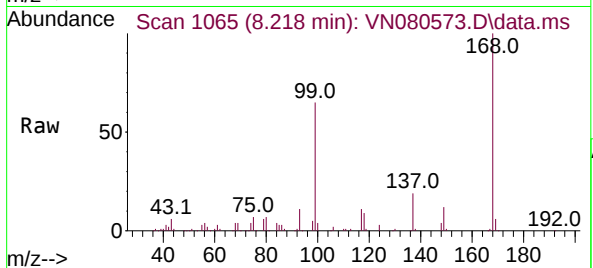
Tgt Ion: 84 Resp: 1212
Ion Ratio Lower Upper
84 100
49 44.1 79.7 119.5#
51 0.0 25.2 37.8#
86 44.7 53.3 79.9#



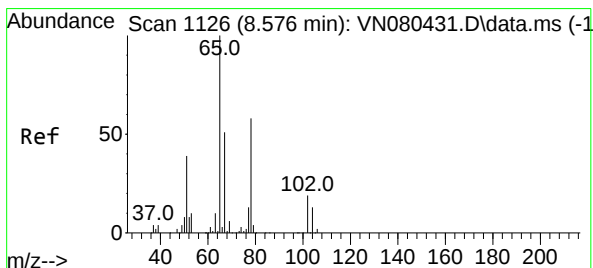
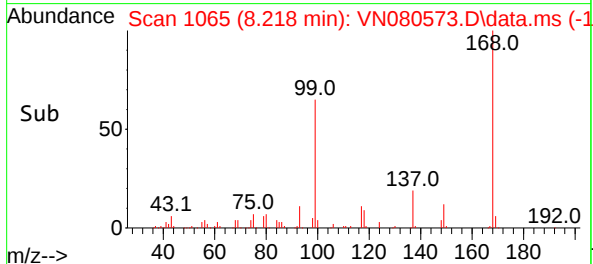
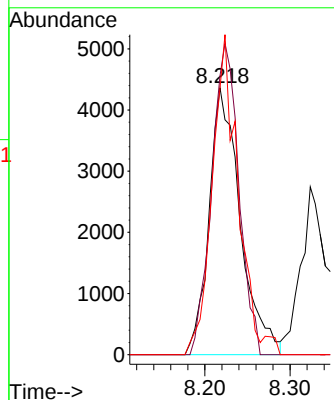


#31
Cyclohexane
Concen: 2.279 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN080573.D
Acq: 21 Dec 2023 15:04

Instrument :
MSVOA_N
ClientSampleId :

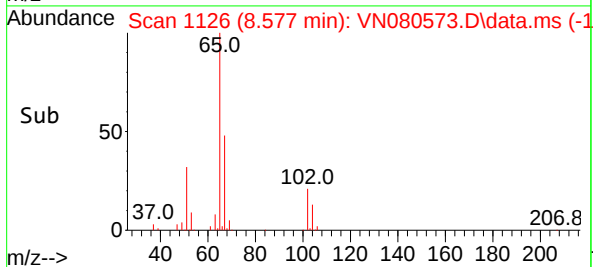
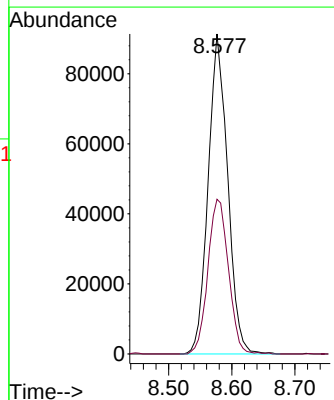
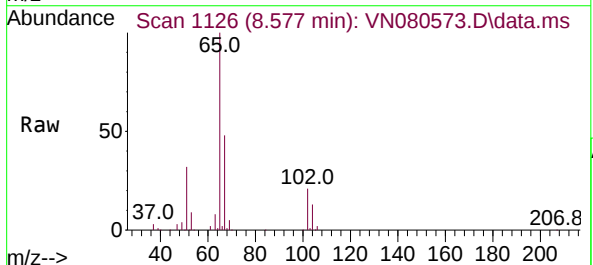


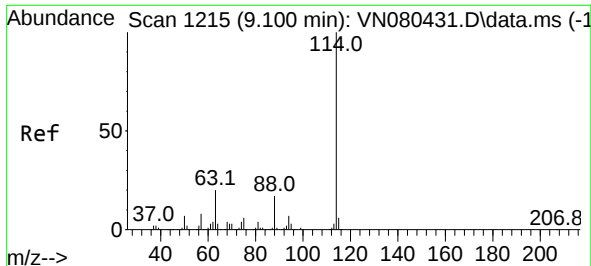
Tgt Ion: 56 Resp: 11094
Ion Ratio Lower Upper
56 100
69 104.6 26.8 40.2#
84 100.1 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 54.644 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080573.D
Acq: 21 Dec 2023 15:04

Tgt Ion: 65 Resp: 195636
Ion Ratio Lower Upper
65 100
67 51.0 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080573.D

Acq: 21 Dec 2023 15:04

Instrument :

MSVOA_N

ClientSampleId :

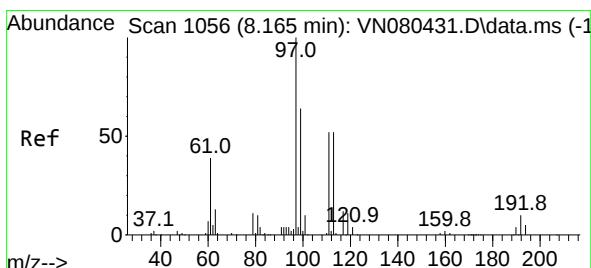
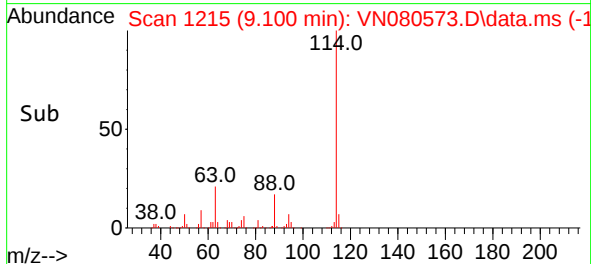
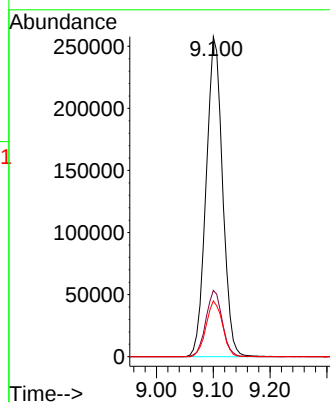
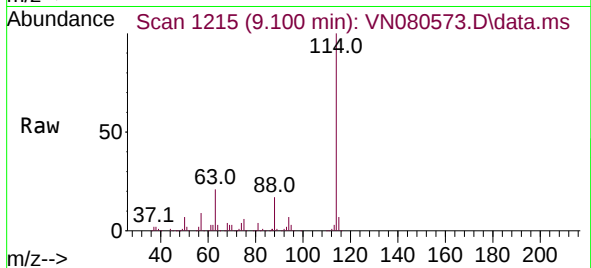
Tgt Ion:114 Resp: 516296

Ion Ratio Lower Upper

114 100

63 20.7 0.0 36.4

88 17.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.221 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN080573.D

Acq: 21 Dec 2023 15:04

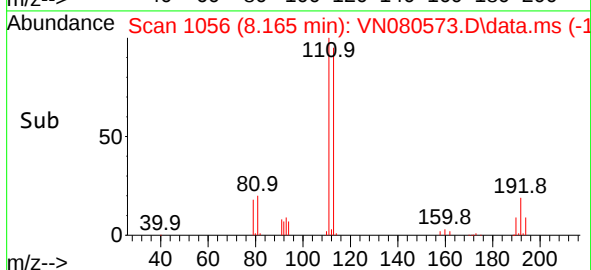
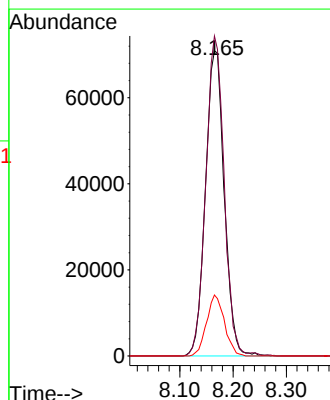
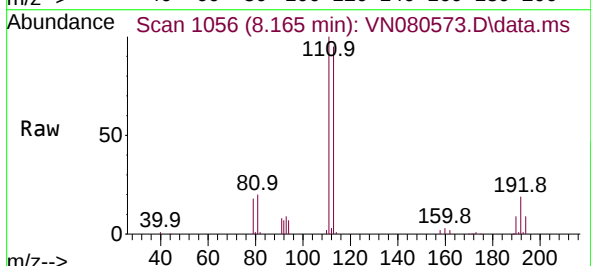
Tgt Ion:113 Resp: 174220

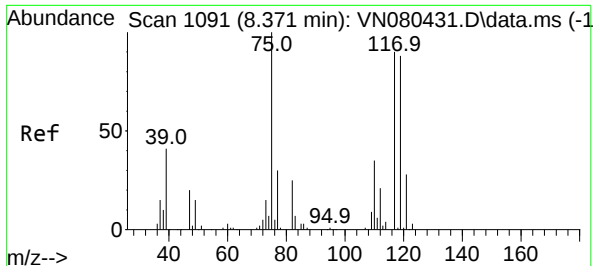
Ion Ratio Lower Upper

113 100

111 101.8 82.6 123.8

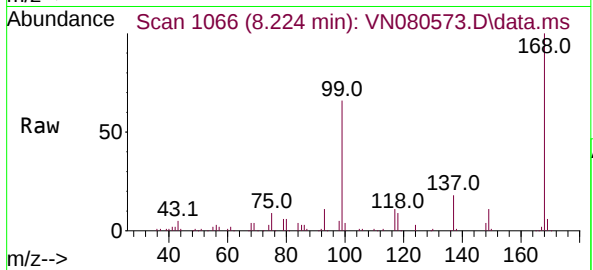
192 19.0 12.7 19.1



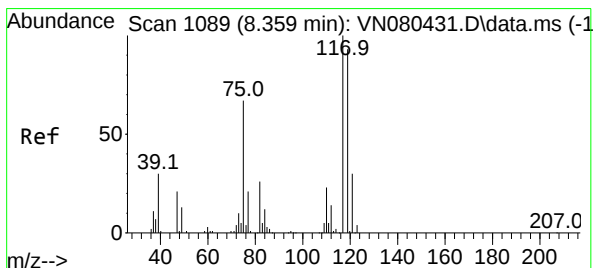
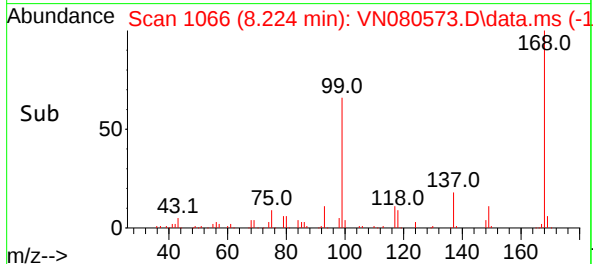
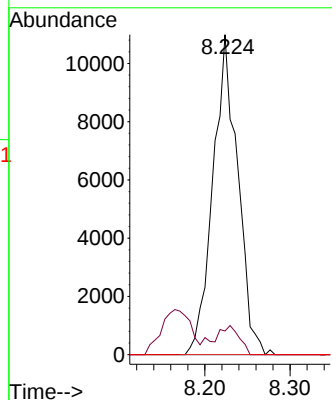


#36
1,1-Dichloropropene
Concen: 4.147 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080573.D
Acq: 21 Dec 2023 15:04

Instrument :
MSVOA_N
ClientSampleId :

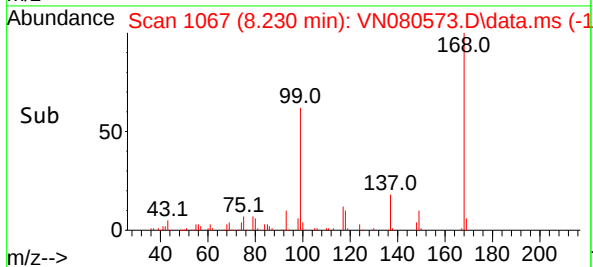
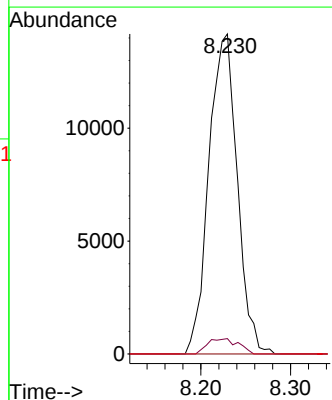
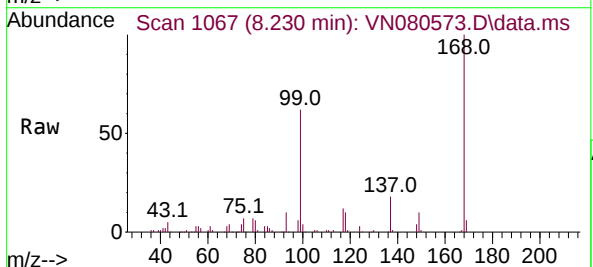


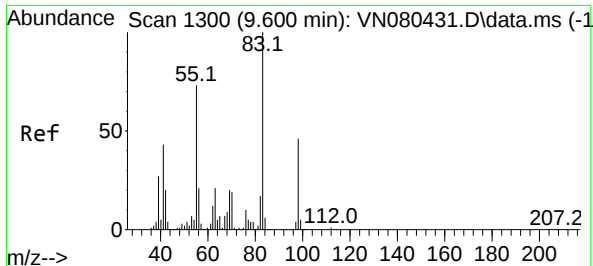
Tgt Ion: 75 Resp: 22199
Ion Ratio Lower Upper
75 100
110 6.9 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 4.868 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN080573.D
Acq: 21 Dec 2023 15:04

Tgt Ion: 117 Resp: 31134
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 23.3 34.9#





#39

Methylcyclohexane

Concen: 1.152 ug/l

RT: 9.606 min Scan# 1148

Delta R.T. 0.006 min

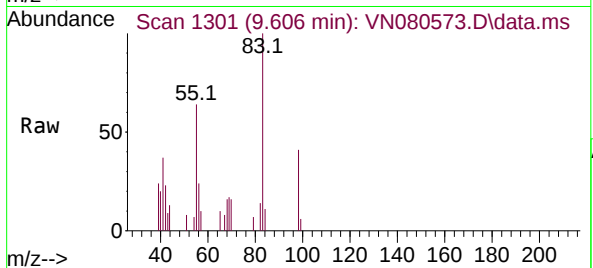
Lab File: VN080573.D

Acq: 21 Dec 2023 15:04

Instrument :

MSVOA_N

ClientSampleId :



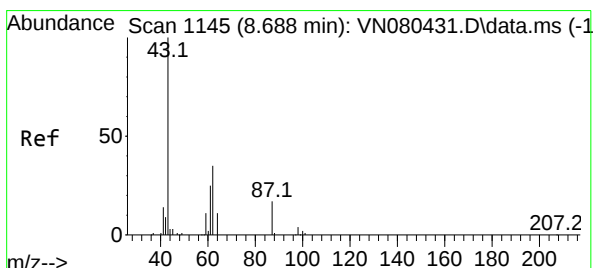
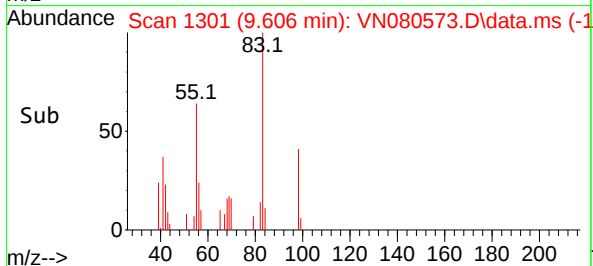
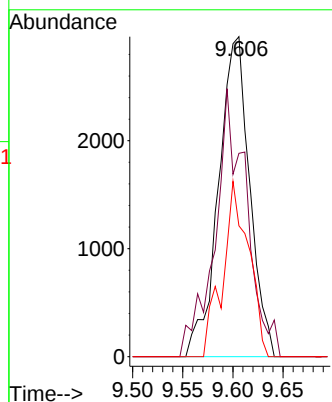
Tgt Ion: 83 Resp: 6405

Ion Ratio Lower Upper

83 100

55 63.5 49.1 73.7

98 40.9 40.6 61.0



#43

Isopropyl Acetate

Concen: 0.616 ug/l

RT: 8.706 min Scan# 1148

Delta R.T. 0.018 min

Lab File: VN080573.D

Acq: 21 Dec 2023 15:04

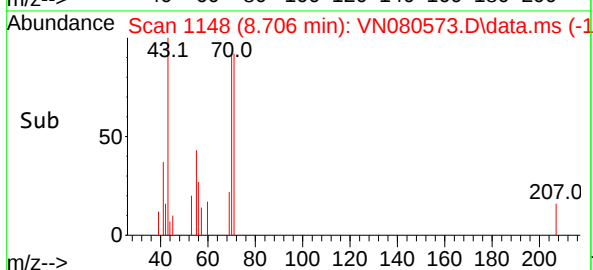
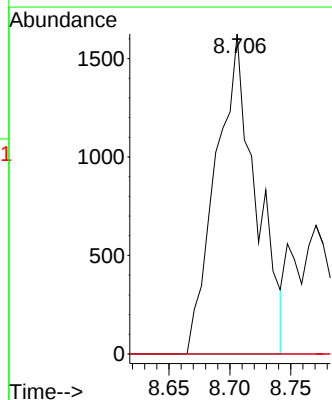
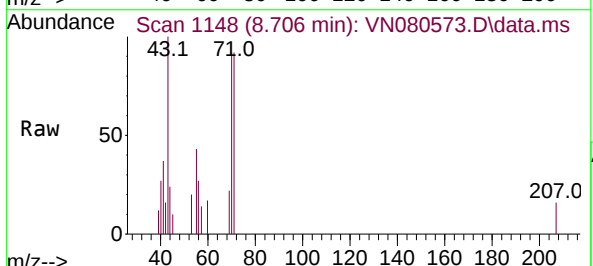
Tgt Ion: 43 Resp: 3714

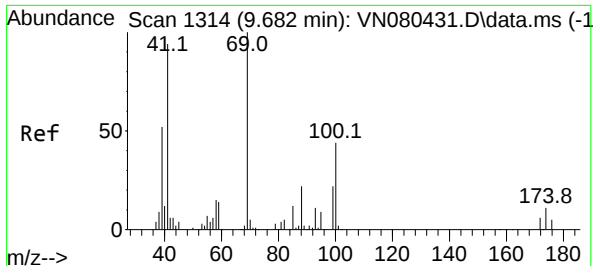
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#





#48

Methyl methacrylate

Concen: 0.837 ug/l

RT: 9.600 min Scan# 11

Delta R.T. -0.082 min

Lab File: VN080573.D

Acq: 21 Dec 2023 15:04

Instrument :

MSVOA_N

ClientSampleId :

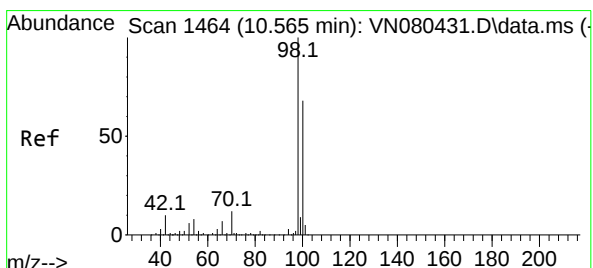
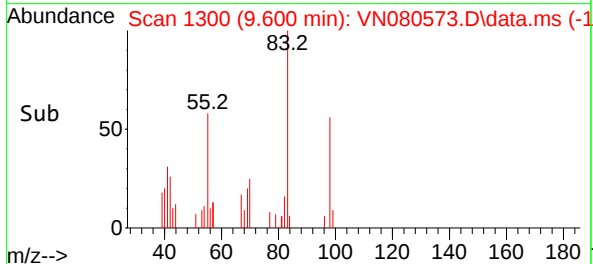
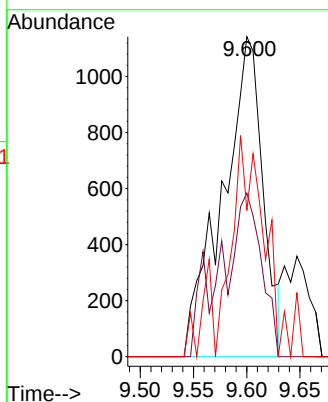
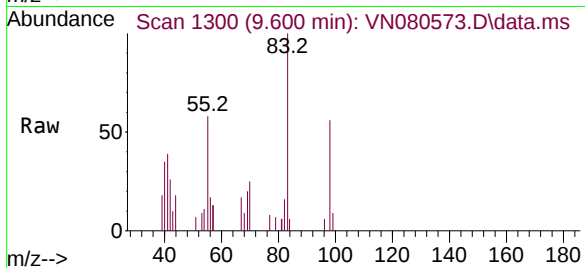
Tgt Ion: 41 Resp: 3009

Ion Ratio Lower Upper

41 100

69 43.4 90.4 135.6#

39 53.6 54.6 81.8#



#50

Toluene-d8

Concen: 52.402 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080573.D

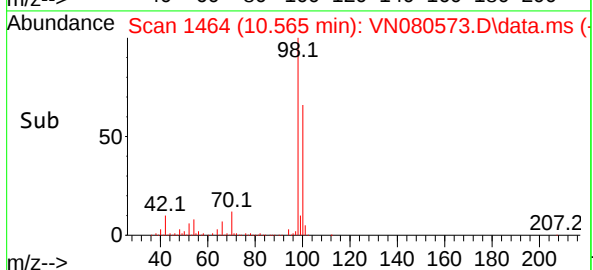
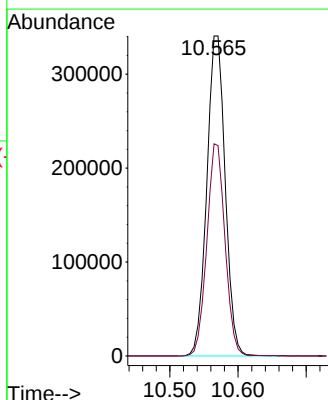
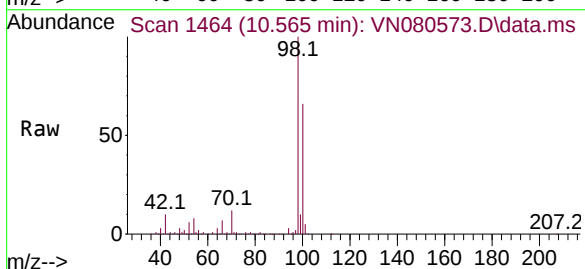
Acq: 21 Dec 2023 15:04

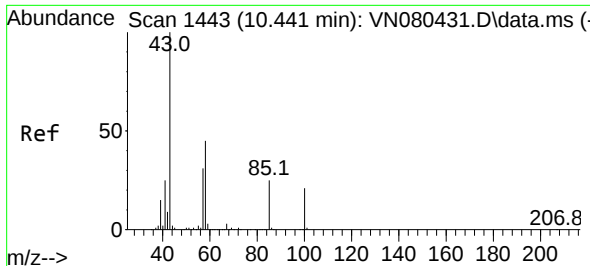
Tgt Ion: 98 Resp: 639749

Ion Ratio Lower Upper

98 100

100 65.4 52.0 78.0

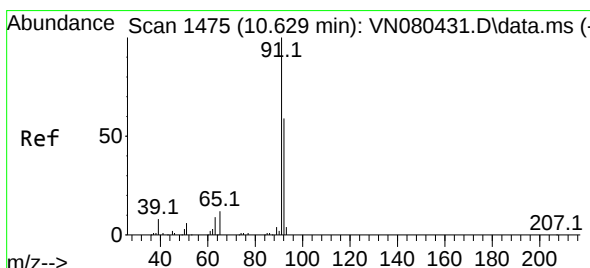
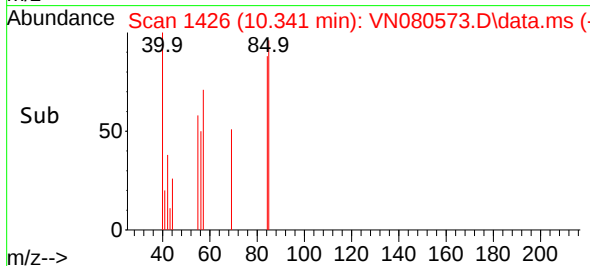
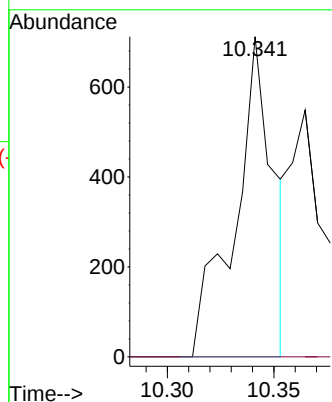
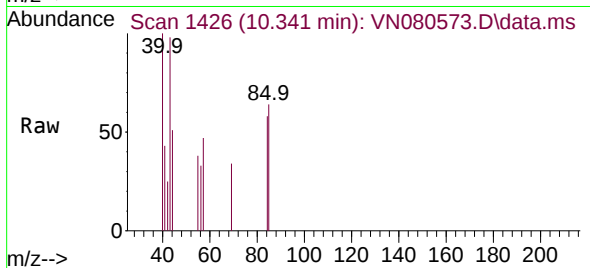




#51
4-Methyl-2-Pentanone
Concen: 0.269 ug/l
RT: 10.341 min Scan# 1443
Delta R.T. -0.100 min
Lab File: VN080573.D
Acq: 21 Dec 2023 15:04

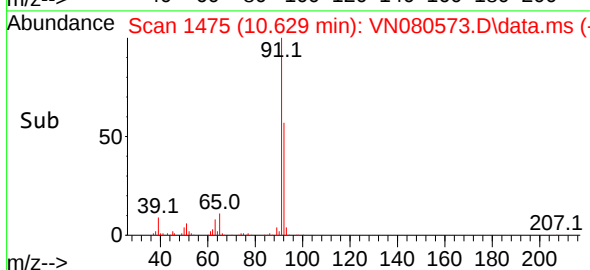
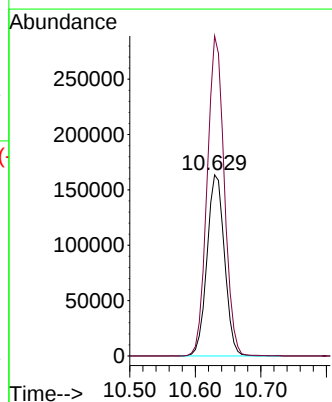
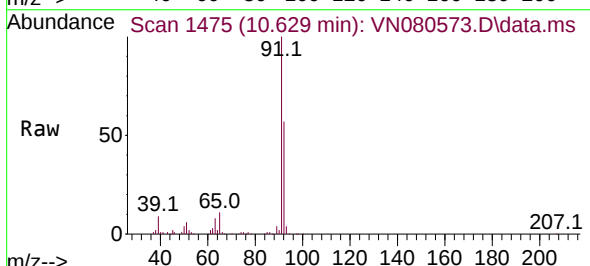
Instrument :
MSVOA_N
ClientSampleId :

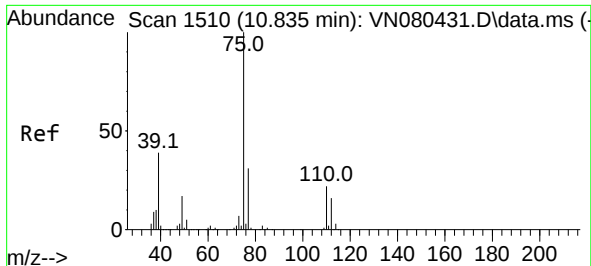
Tgt Ion: 43 Resp: 893
Ion Ratio Lower Upper
43 100
58 0.0 36.6 54.8#



#52
Toluene
Concen: 31.086 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080573.D
Acq: 21 Dec 2023 15:04

Tgt Ion: 92 Resp: 303525
Ion Ratio Lower Upper
92 100
91 173.1 137.4 206.0

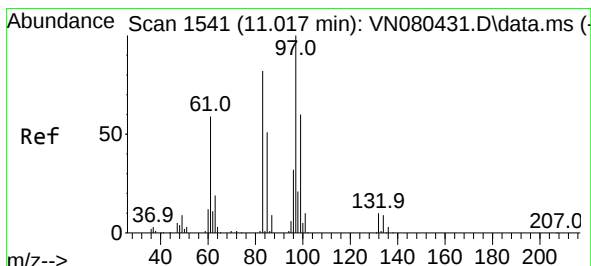
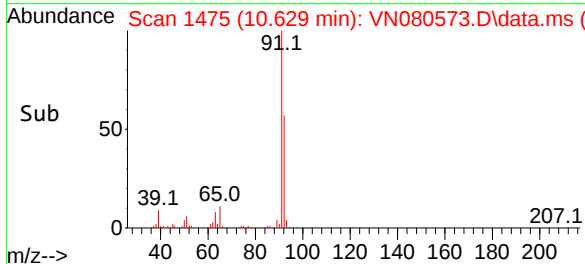
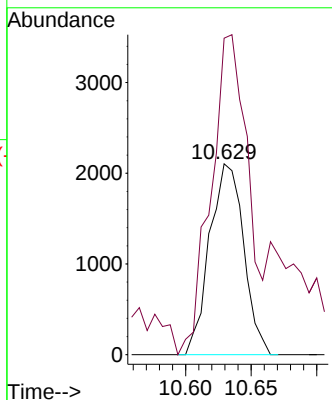
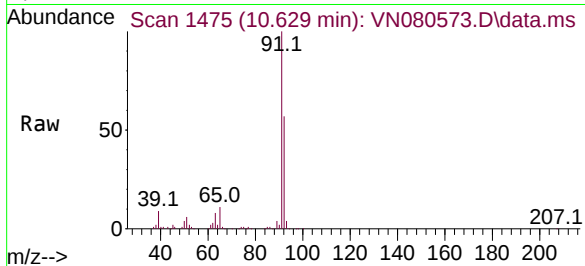




#53
t-1,3-Dichloropropene
Concen: 0.630 ug/l
RT: 10.629 min Scan# 14
Delta R.T. -0.206 min
Lab File: VN080573.D
Acq: 21 Dec 2023 15:04

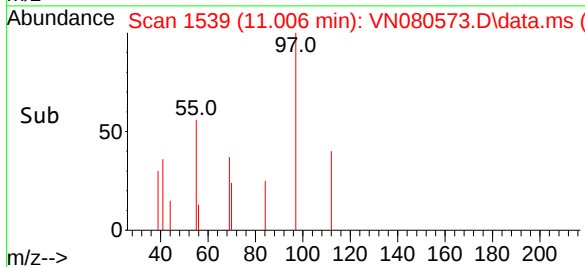
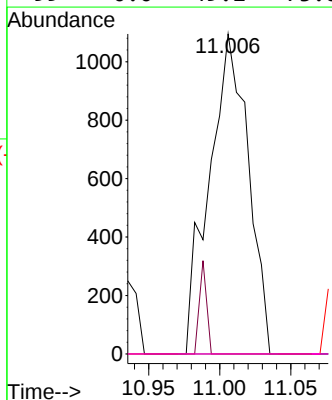
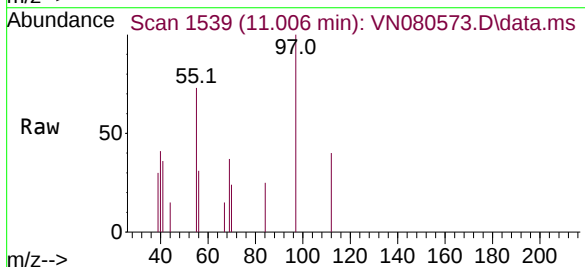
Instrument :
MSVOA_N
ClientSampleId :

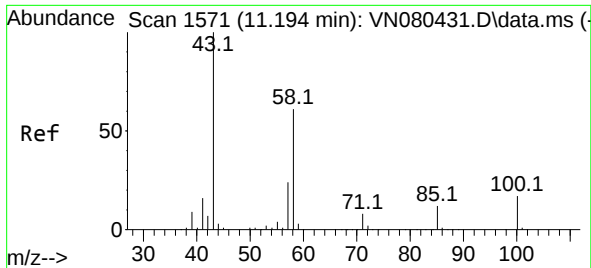
Tgt Ion: 75 Resp: 3807
Ion Ratio Lower Upper
75 100
77 165.7 25.4 38.0#



#55
1,1,2-Trichloroethane
Concen: 0.595 ug/l
RT: 11.006 min Scan# 1539
Delta R.T. -0.012 min
Lab File: VN080573.D
Acq: 21 Dec 2023 15:04

Tgt Ion: 97 Resp: 2091
Ion Ratio Lower Upper
97 100
83 0.0 65.1 97.7#
85 0.0 43.4 65.2#
99 0.0 49.2 73.8#

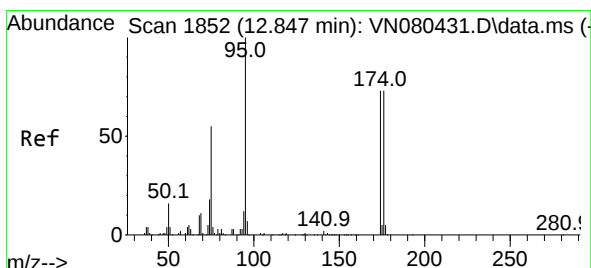
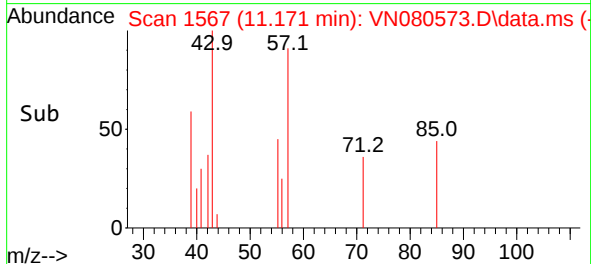
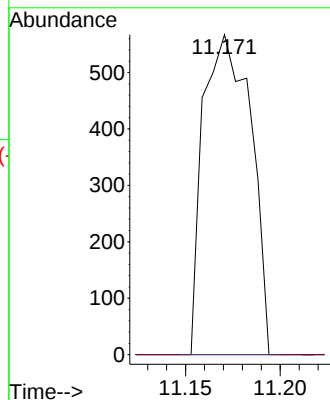
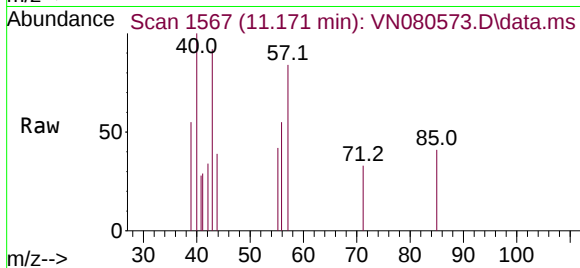




#59
2-Hexanone
Concen: 0.404 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN080573.D
Acq: 21 Dec 2023 15:04

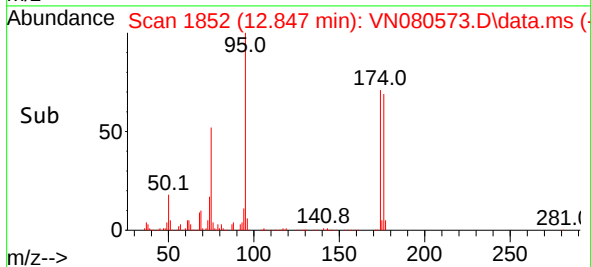
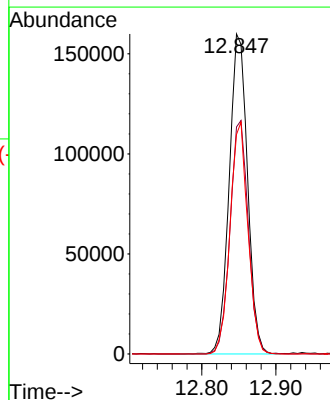
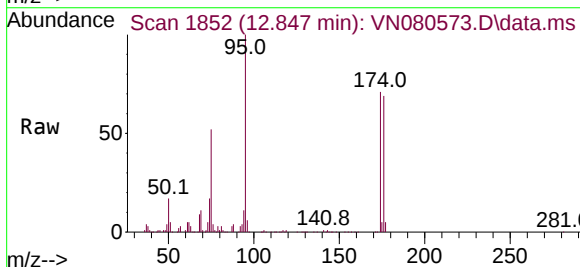
Instrument :
MSVOA_N
ClientSampleId :

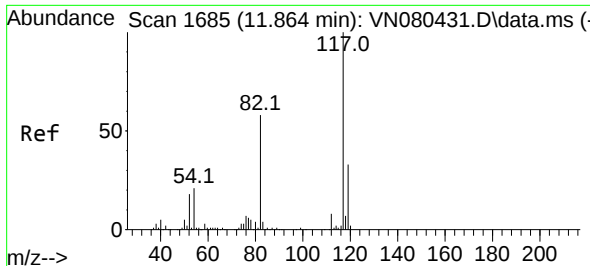
Tgt Ion: 43 Resp: 991
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 59.138 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080573.D
Acq: 21 Dec 2023 15:04

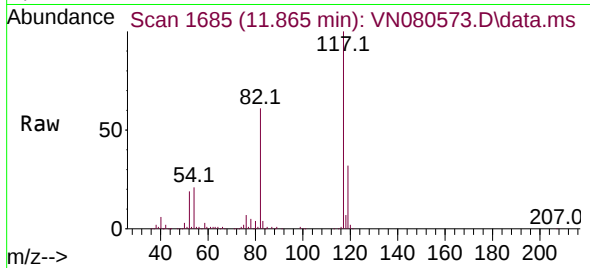
Tgt Ion: 95 Resp: 274160
Ion Ratio Lower Upper
95 100
174 72.5 0.0 143.8
176 70.5 0.0 135.8



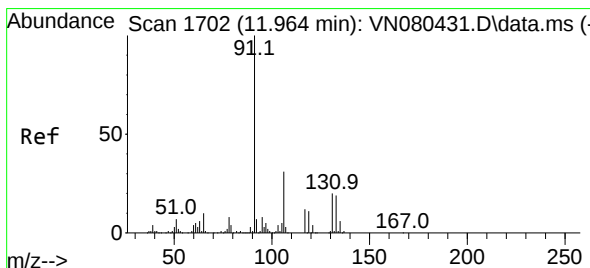
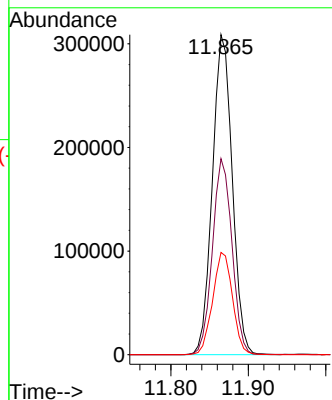
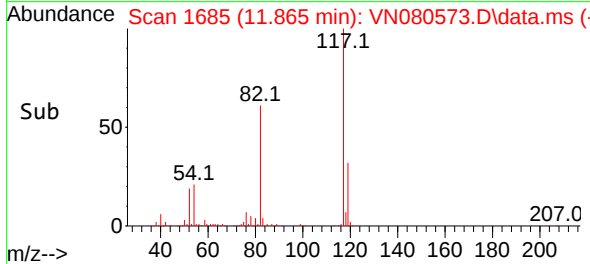


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN080573.D
Acq: 21 Dec 2023 15:04

Instrument :
MSVOA_N
ClientSampleId :

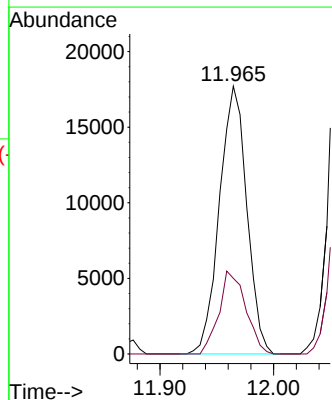
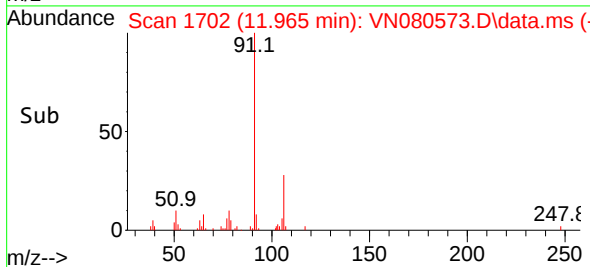
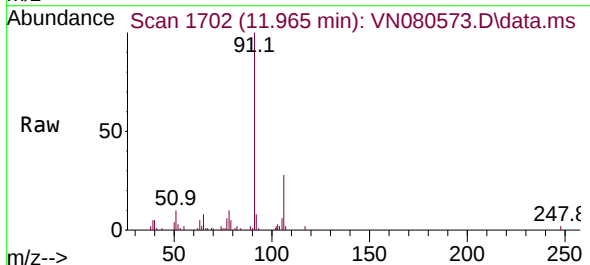


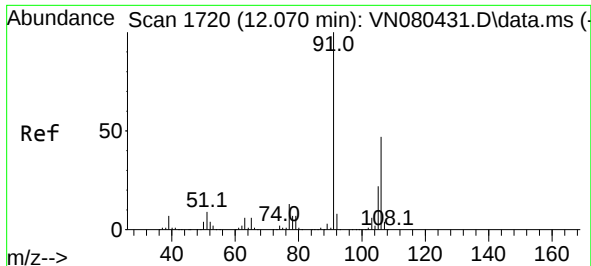
Tgt Ion:117 Resp: 551140
Ion Ratio Lower Upper
117 100
82 61.2 44.0 66.0
119 32.0 25.6 38.4



#67
Ethyl Benzene
Concen: 1.316 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080573.D
Acq: 21 Dec 2023 15:04

Tgt Ion: 91 Resp: 29663
Ion Ratio Lower Upper
91 100
106 28.2 25.6 38.4

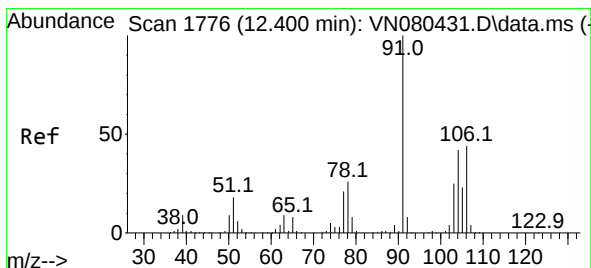
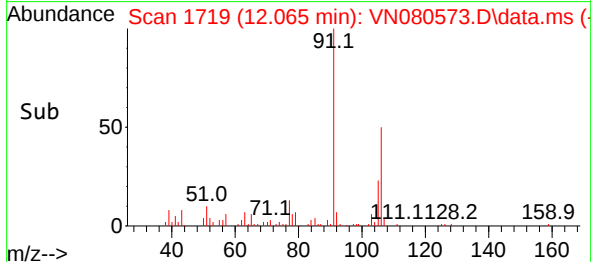
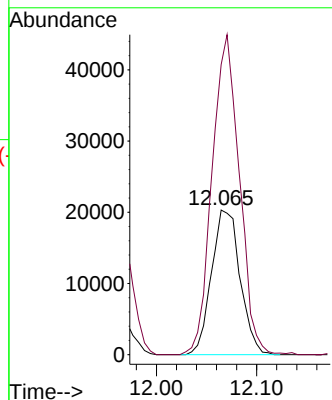
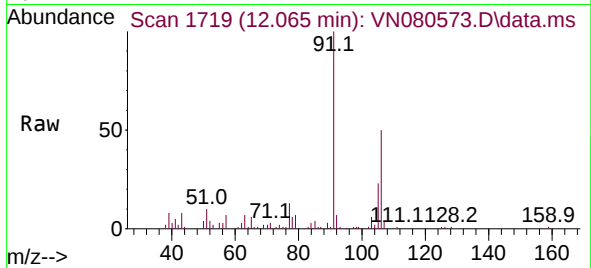




#68
m/p-Xylenes
Concen: 4.835 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN080573.D
Acq: 21 Dec 2023 15:04

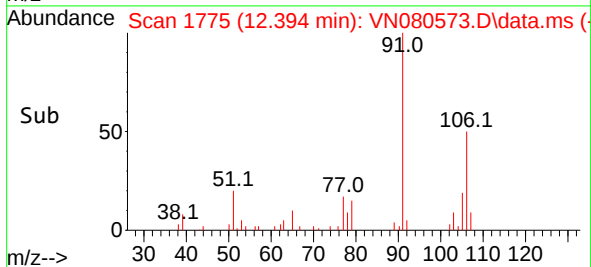
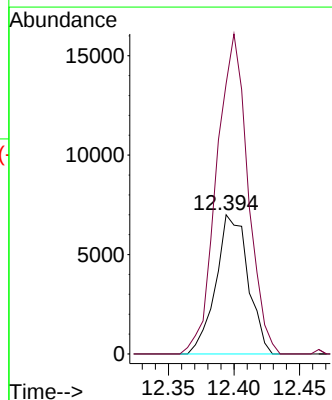
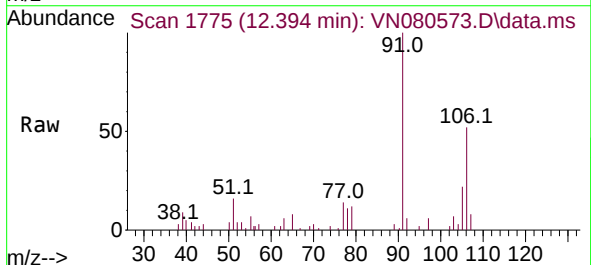
Instrument :
MSVOA_N
ClientSampleId :

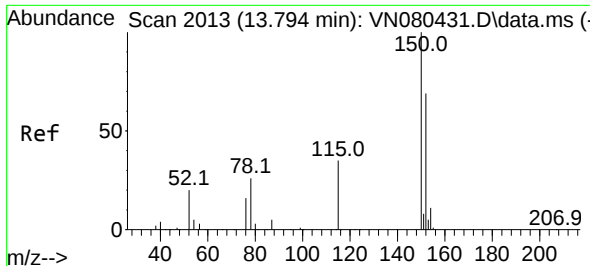
Tgt Ion:106 Resp: 40278
Ion Ratio Lower Upper
106 100
91 211.8 159.6 239.4



#69
o-Xylene
Concen: 1.465 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN080573.D
Acq: 21 Dec 2023 15:04

Tgt Ion:106 Resp: 11935
Ion Ratio Lower Upper
106 100
91 224.2 105.2 315.5

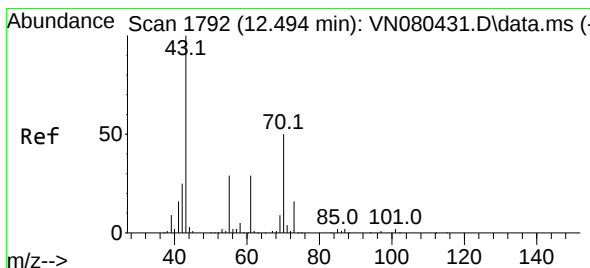
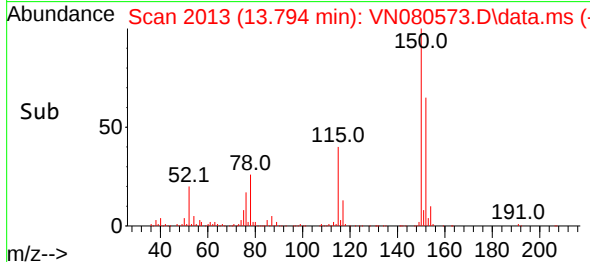
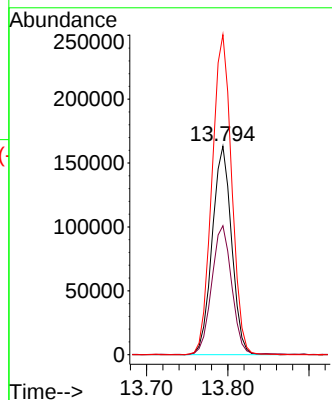
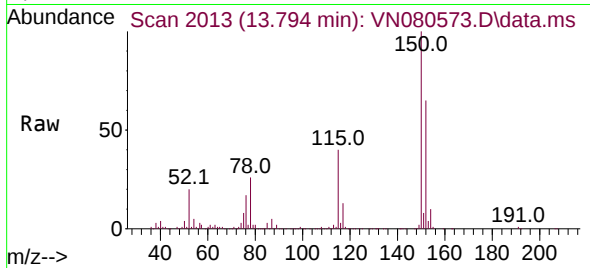




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN080573.D
Acq: 21 Dec 2023 15:04

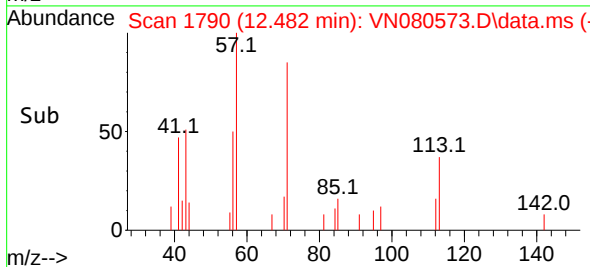
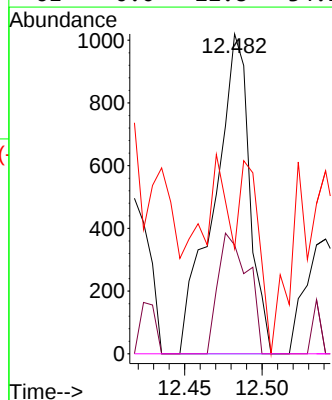
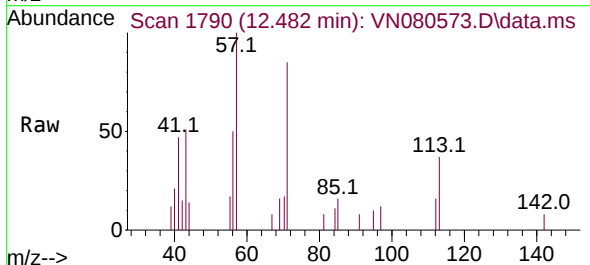
Instrument :
MSVOA_N
ClientSampleId :

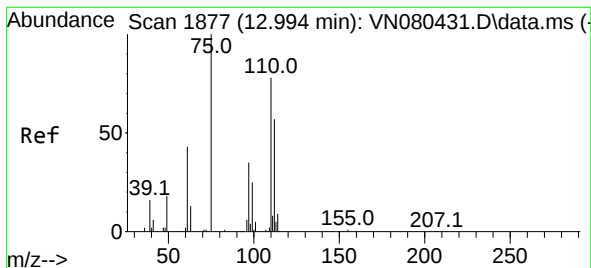
Tgt Ion:152 Resp: 270601
Ion Ratio Lower Upper
152 100
115 63.8 32.3 96.8
150 155.6 0.0 355.8



#74
N-ethyl acetate
Concen: 0.255 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN080573.D
Acq: 21 Dec 2023 15:04

Tgt Ion: 43 Resp: 1620
Ion Ratio Lower Upper
43 100
70 32.0 43.4 65.2#
55 32.3 21.4 32.0#
61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 26.291 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080573.D

Acq: 21 Dec 2023 15:04

Instrument :

MSVOA_N

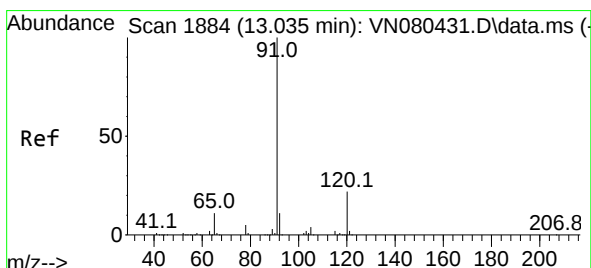
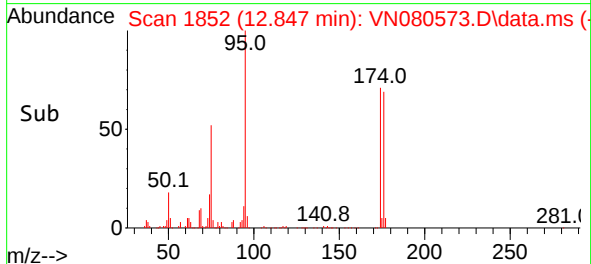
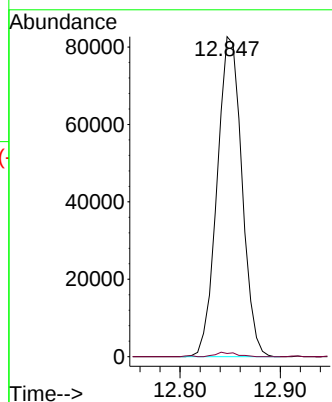
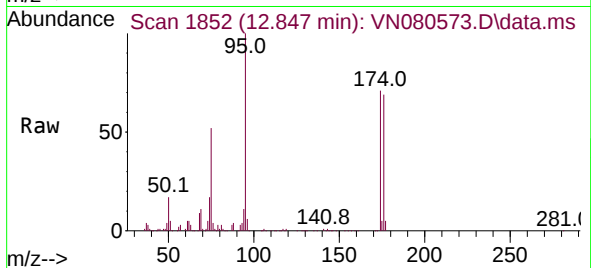
ClientSampleId :

Tgt Ion: 75 Resp: 141927

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#



#78

n-propylbenzene

Concen: 0.293 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.006 min

Lab File: VN080573.D

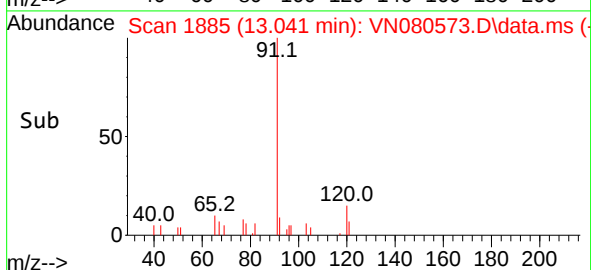
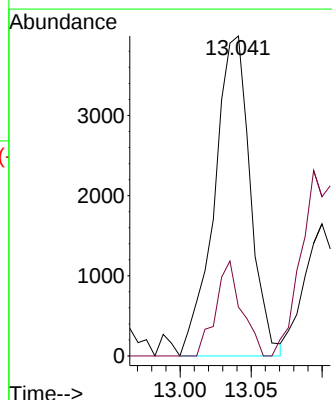
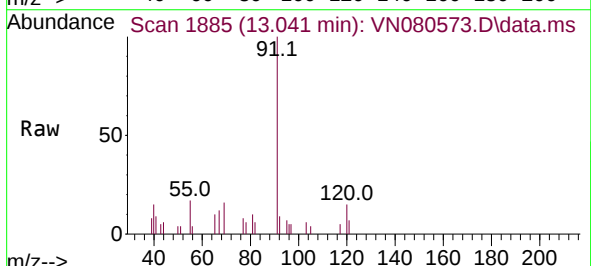
Acq: 21 Dec 2023 15:04

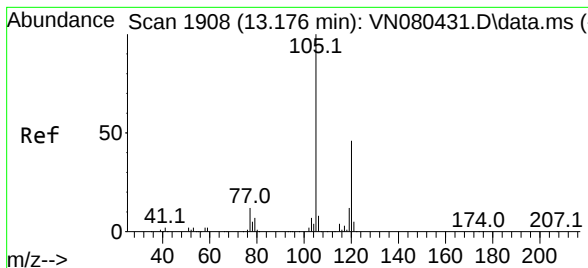
Tgt Ion: 91 Resp: 7020

Ion Ratio Lower Upper

91 100

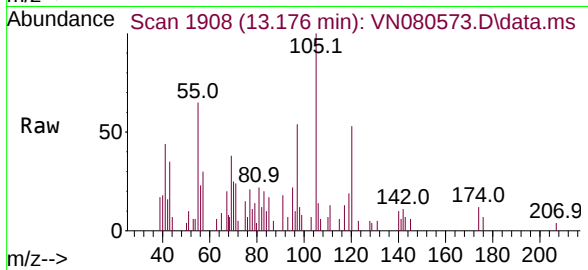
120 21.2 11.5 34.4



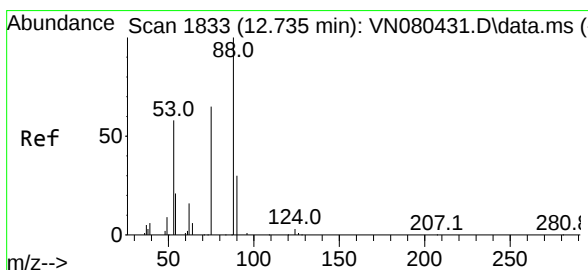
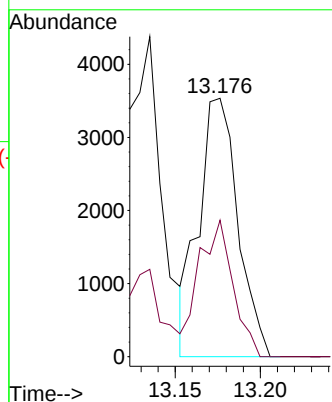
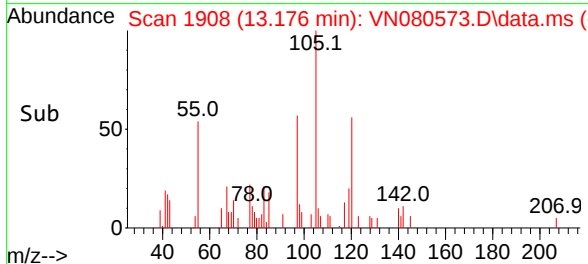


#80
 1,3,5-Trimethylbenzene
 Concen: 0.302 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: VN080573.D
 Acq: 21 Dec 2023 15:04

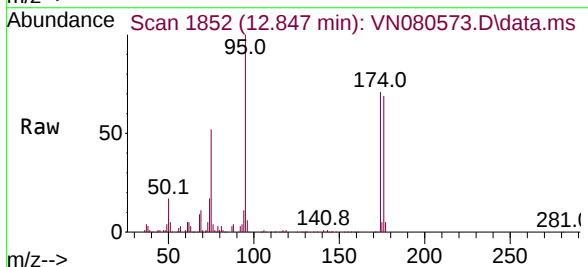
Instrument :
 MSVOA_N
 ClientSampleId :



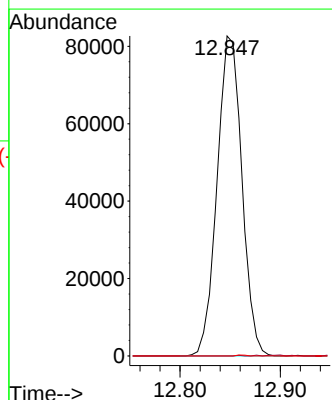
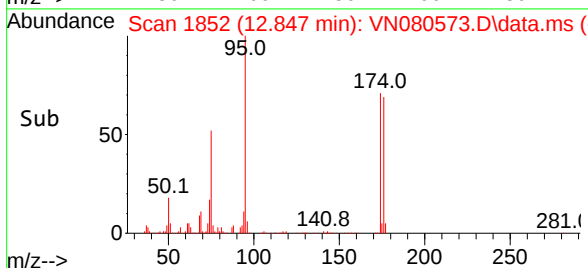
Tgt Ion:105 Resp: 5656
 Ion Ratio Lower Upper
 105 100
 120 45.9 24.1 72.3

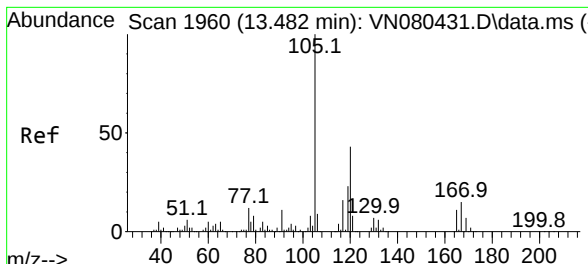


#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.028 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN080573.D
 Acq: 21 Dec 2023 15:04



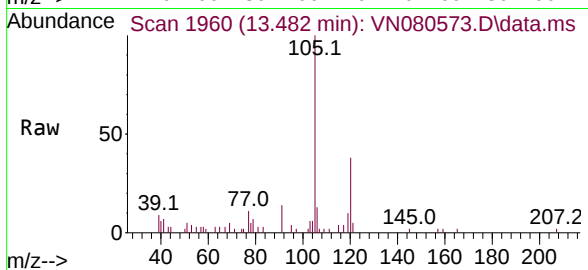
Tgt Ion: 75 Resp: 141927
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.1 38.8 58.2#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.915 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.000 min
 Lab File: VN080573.D
 Acq: 21 Dec 2023 15:04

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:105 Resp: 17033
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.0 66.0

