

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022824\
 Data File : VN081252.D
 Acq On : 28 Feb 2024 18:53
 Operator : JC\MD
 Sample : P1587-02 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1823-A

Quant Time: Feb 28 23:30:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

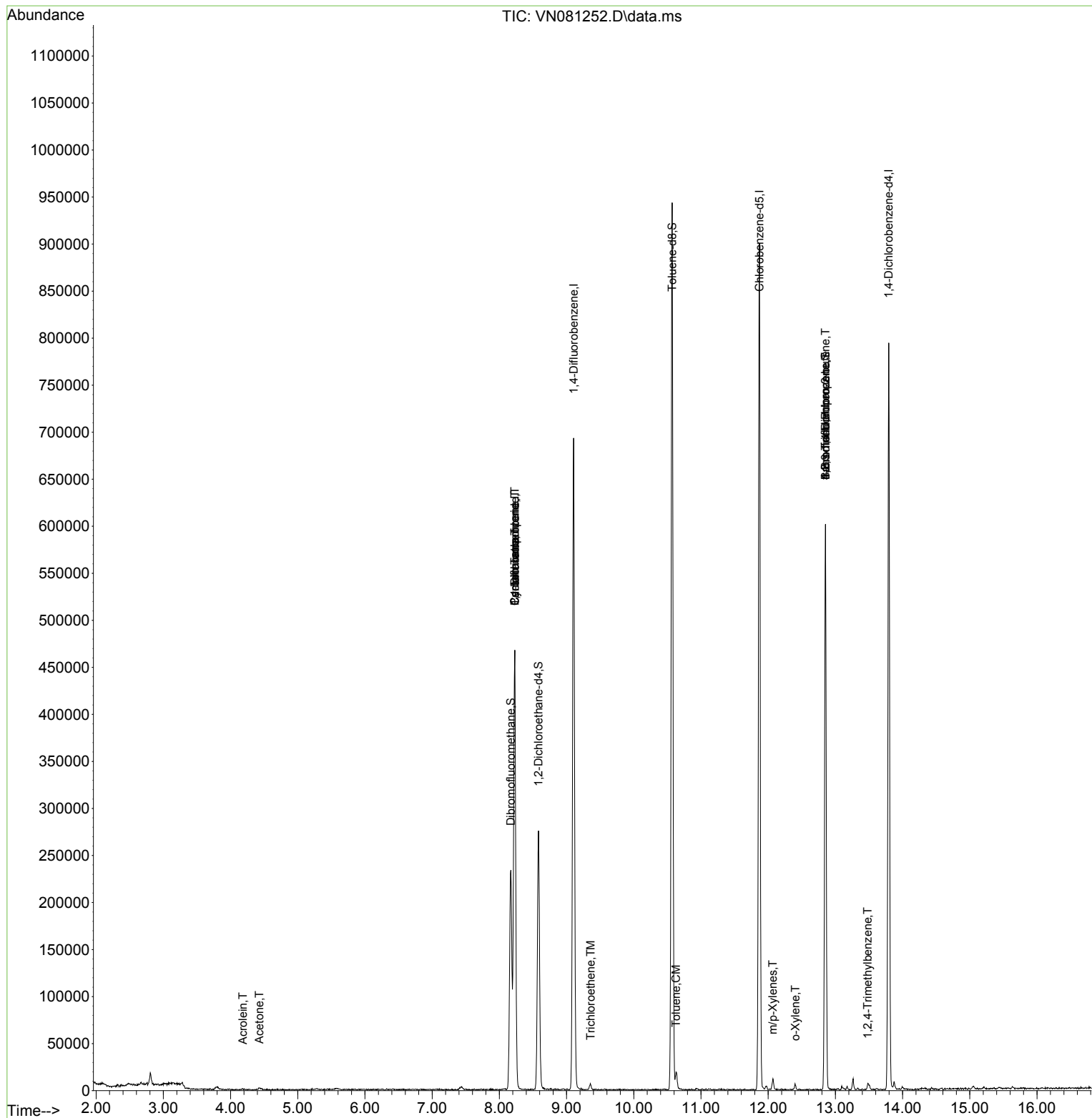
Internal Standards						
1) Pentafluorobenzene	8.229	168	306595	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	580940	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	512075	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	200682	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	218132	58.045	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.080%			
35) Dibromofluoromethane	8.171	113	167550	51.004	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.000%			
50) Toluene-d8	10.570	98	639750	54.831	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.660%			
62) 4-Bromofluorobenzene	12.853	95	203997	46.531	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.060%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	826	Below Cal	#	43
6) Chloroethane	3.142	64	66	Below Cal	#	42
13) Acrolein	4.183	56	94	0.254	ug/l #	1
16) Acetone	4.430	43	1513	1.023	ug/l #	78
20) Methylene Chloride	5.277	84	352	Below Cal	#	54
31) Cyclohexane	8.229	56	8949	1.379	ug/l #	29
36) 1,1-Dichloropropene	8.229	75	30216	5.369	ug/l #	51
38) Carbon Tetrachloride	8.229	117	35412	6.219	ug/l #	19
44) Trichloroethene	9.359	130	2212	0.510	ug/l	83
52) Toluene	10.629	92	7562	0.733	ug/l	98
68) m/p-Xylenes	12.070	106	3843	0.506	ug/l	85
69) o-Xylene	12.406	106	1698	0.225	ug/l	80
71) Bromoform	12.853	173	1708	0.676	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	113424	24.876	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	113424	64.028	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.482	105	3912	0.276	ug/l	96

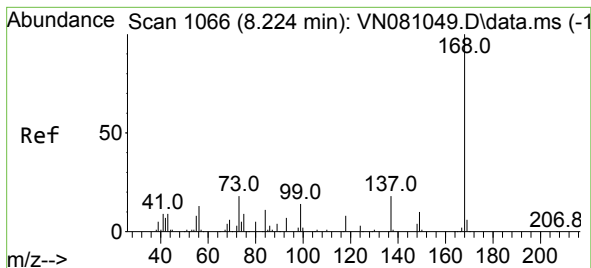
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022824\
Data File : VN081252.D
Acq On : 28 Feb 2024 18:53
Operator : JC\MD
Sample : P1587-02 50X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1823-A

Quant Time: Feb 28 23:30:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN081252.D

Acq: 28 Feb 2024 18:53

Instrument :

MSVOA_N

ClientSampleId :

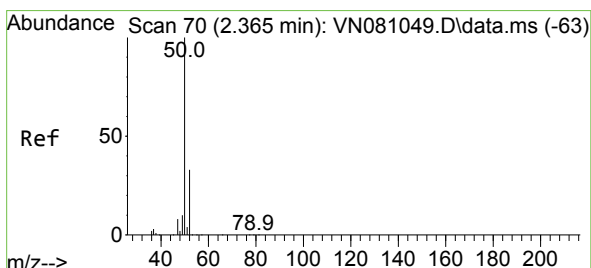
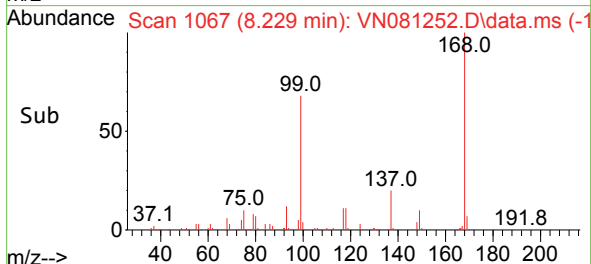
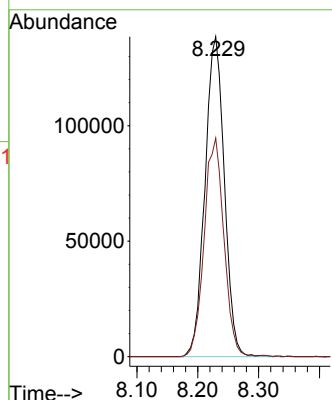
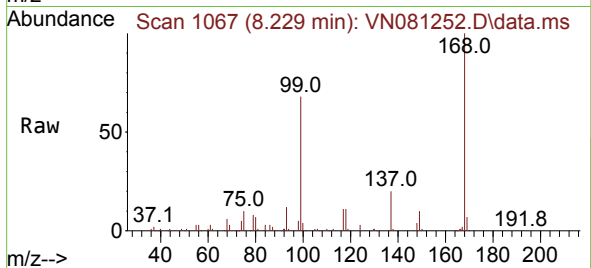
1823-A

Tgt Ion:168 Resp: 306595

Ion Ratio Lower Upper

168 100

99 68.3 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN081252.D

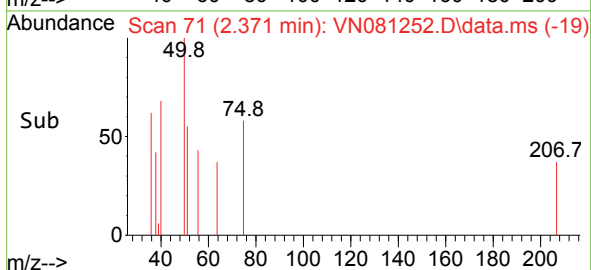
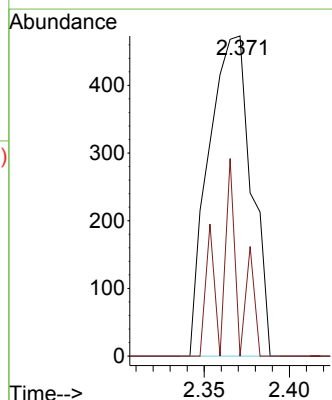
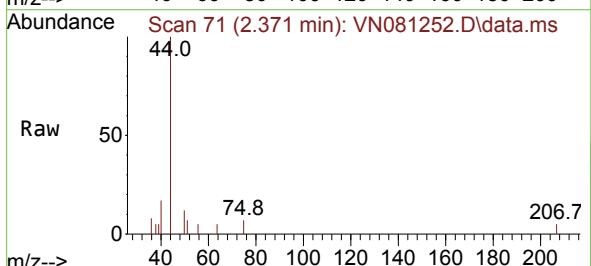
Acq: 28 Feb 2024 18:53

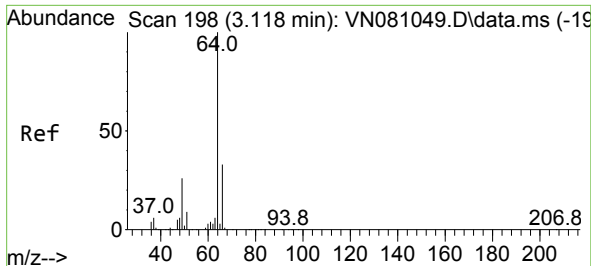
Tgt Ion: 50 Resp: 826

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#

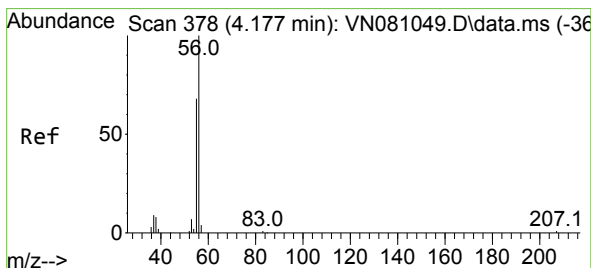
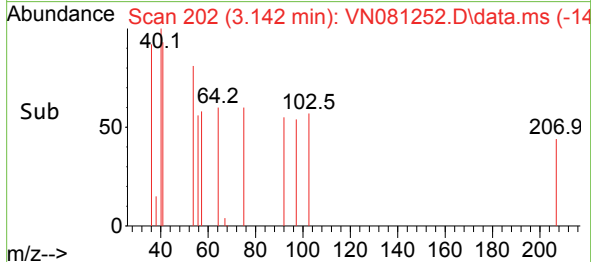
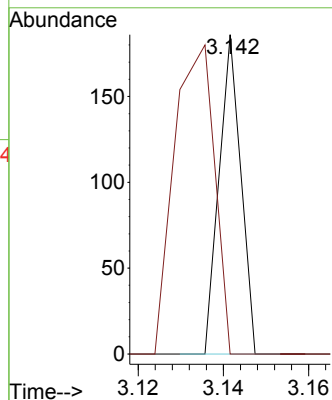
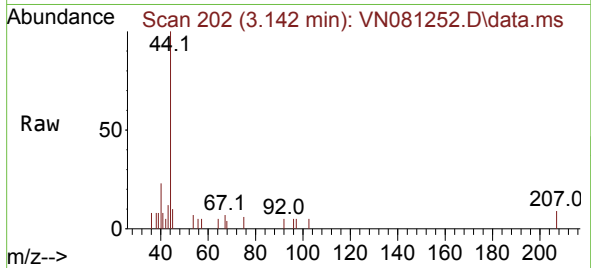




#6
Chloroethane
Concen: Below Cal
RT: 3.142 min Scan# 202
Delta R.T. 0.024 min
Lab File: VN081252.D
Acq: 28 Feb 2024 18:53

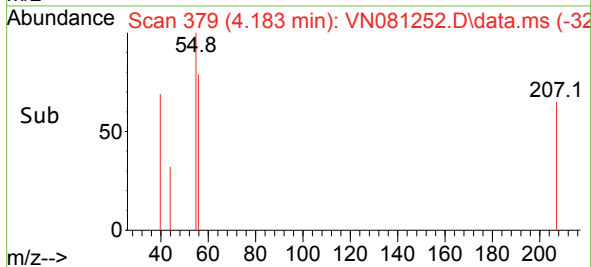
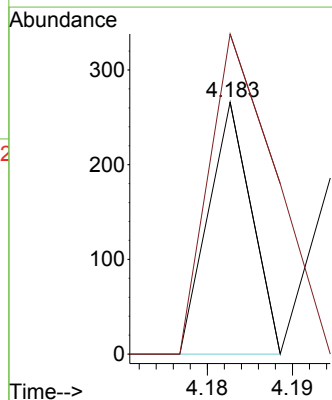
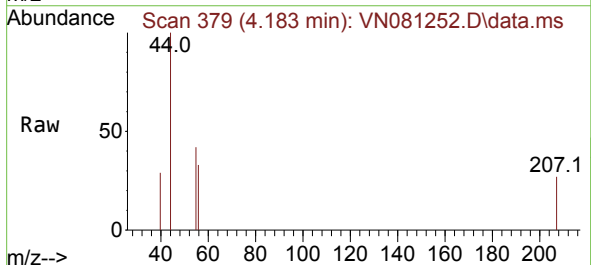
Instrument :
MSVOA_N
ClientSampleId :
1823-A

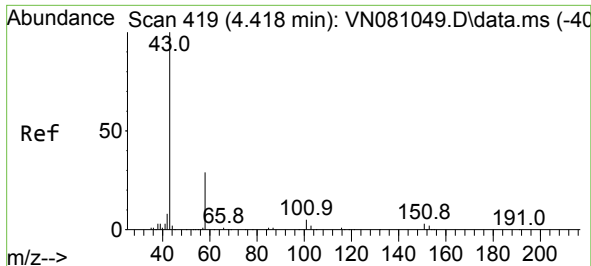
Tgt Ion: 64 Resp: 66
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#13
Acrolein
Concen: 0.254 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN081252.D
Acq: 28 Feb 2024 18:53

Tgt Ion: 56 Resp: 94
Ion Ratio Lower Upper
56 100
55 194.7 55.3 82.9#

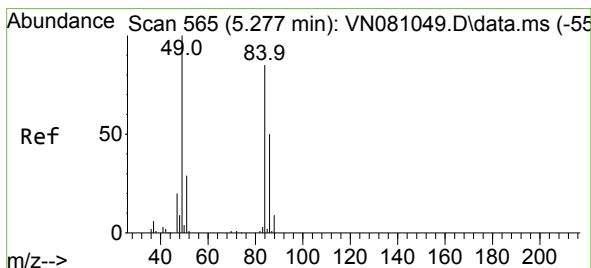
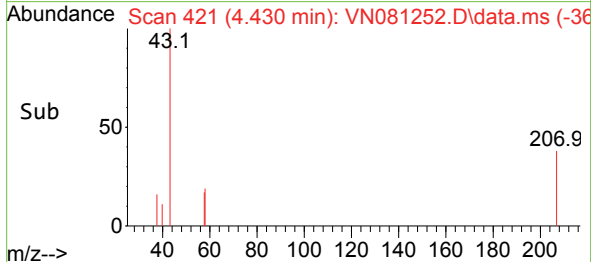
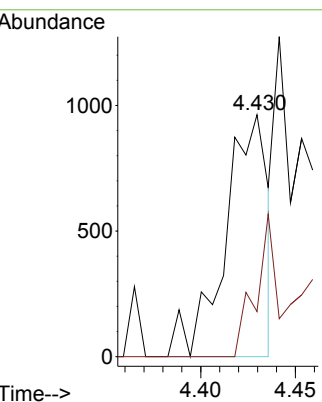
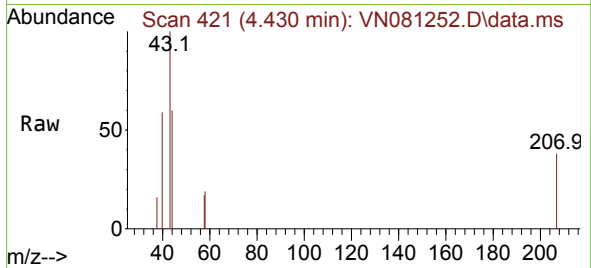




#16
Acetone
Concen: 1.023 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN081252.D
Acq: 28 Feb 2024 18:53

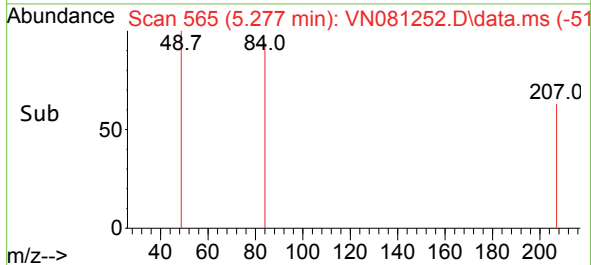
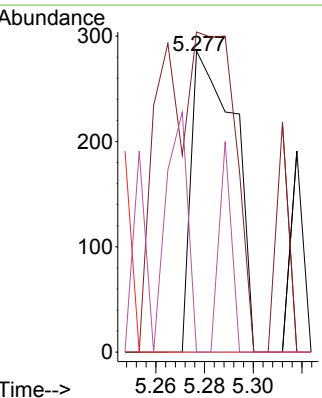
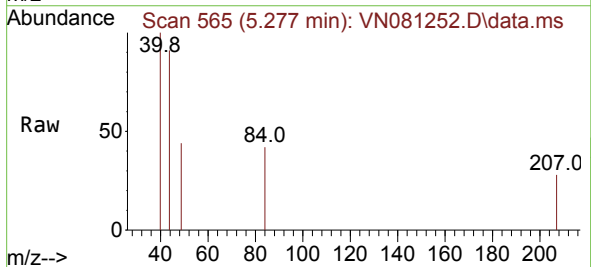
Instrument :
MSVOA_N
ClientSampleId :
1823-A

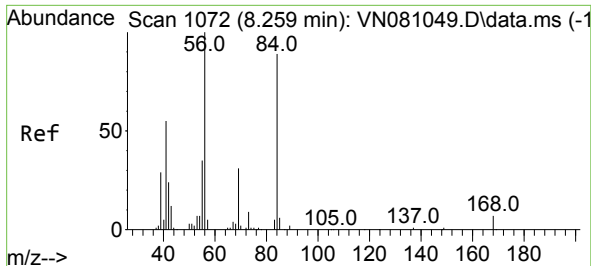
Tgt Ion: 43 Resp: 1513
Ion Ratio Lower Upper
43 100
58 18.7 24.8 37.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN081252.D
Acq: 28 Feb 2024 18:53

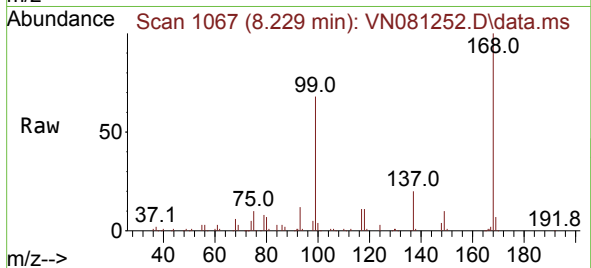
Tgt Ion: 84 Resp: 352
Ion Ratio Lower Upper
84 100
49 106.3 108.1 162.1#
51 0.0 32.9 49.3#
86 0.0 48.6 73.0#



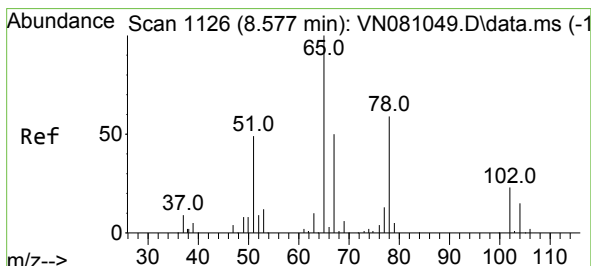
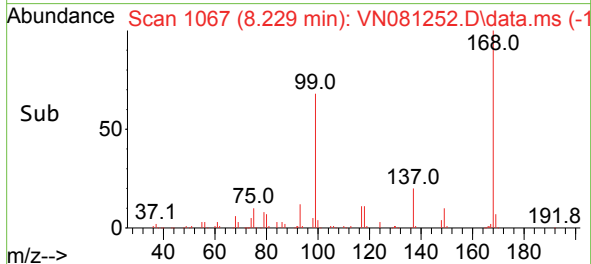
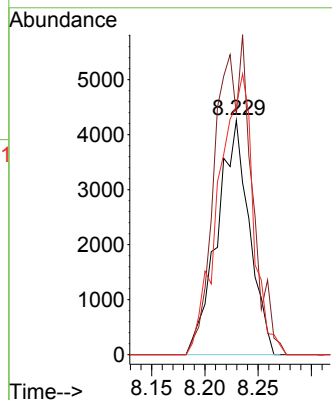


#31
Cyclohexane
Concen: 1.379 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN081252.D
Acq: 28 Feb 2024 18:53

Instrument :
MSVOA_N
ClientSampleId :
1823-A

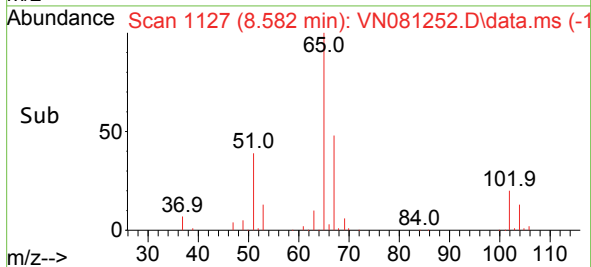
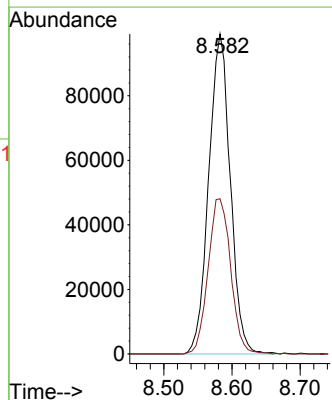
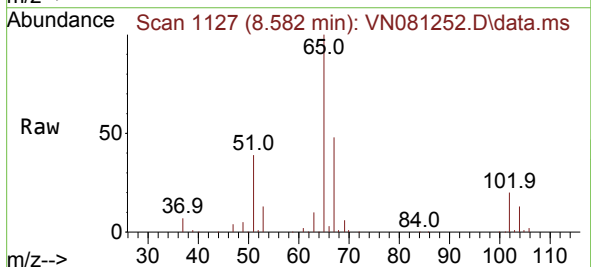


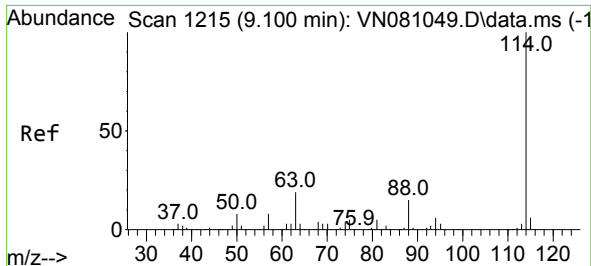
Tgt Ion: 56 Resp: 8949
Ion Ratio Lower Upper
56 100
69 102.3 20.1 30.1#
84 106.1 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 58.045 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081252.D
Acq: 28 Feb 2024 18:53

Tgt Ion: 65 Resp: 218132
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081252.D

Acq: 28 Feb 2024 18:53

Instrument :

MSVOA_N

ClientSampleId :

1823-A

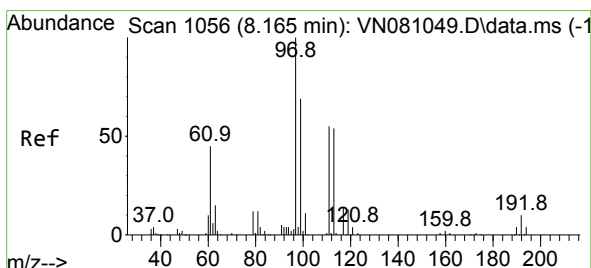
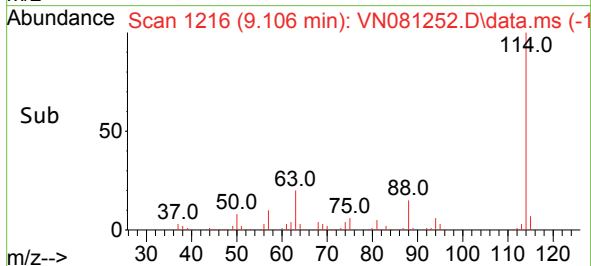
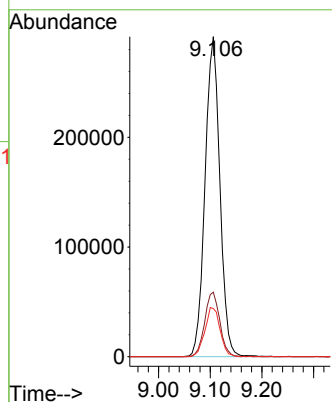
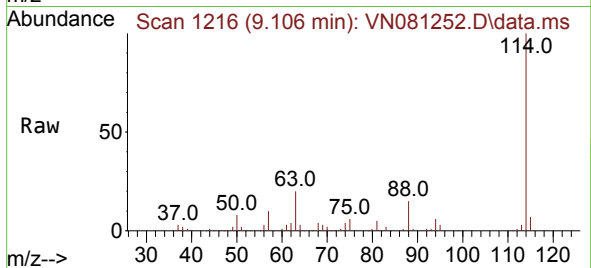
Tgt Ion:114 Resp: 580940

Ion Ratio Lower Upper

114 100

63 20.2 0.0 48.0

88 15.1 0.0 34.8



#35

Dibromofluoromethane

Concen: 51.004 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081252.D

Acq: 28 Feb 2024 18:53

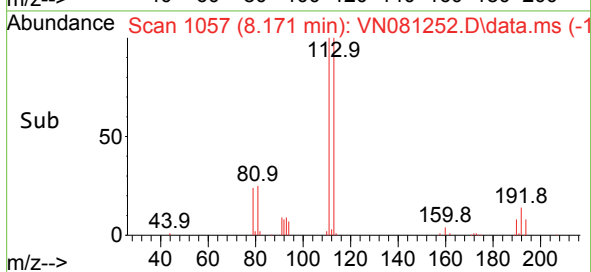
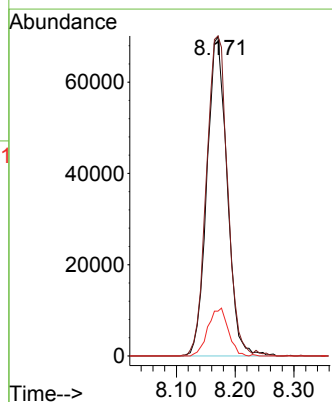
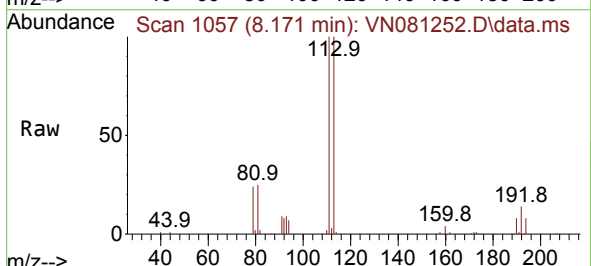
Tgt Ion:113 Resp: 167550

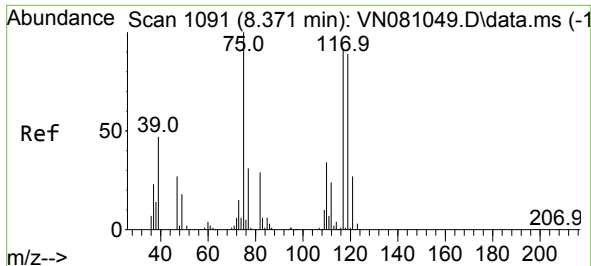
Ion Ratio Lower Upper

113 100

111 104.1 82.2 123.4

192 15.0 12.5 18.7





#36

1,1-Dichloropropene

Concen: 5.369 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN081252.D

Acq: 28 Feb 2024 18:53

Instrument :

MSVOA_N

ClientSampleId :

1823-A

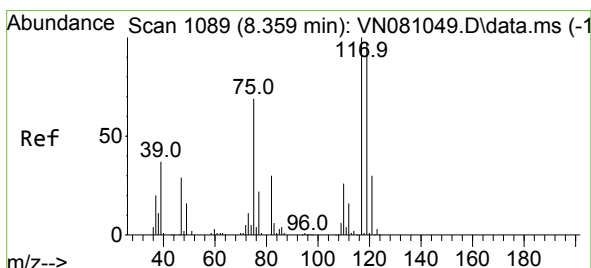
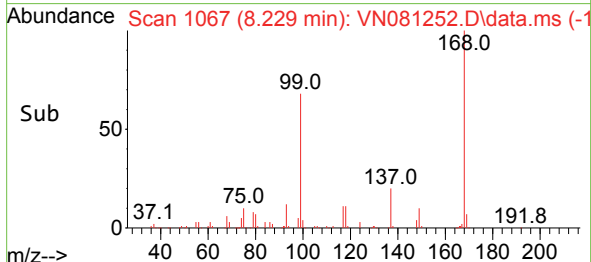
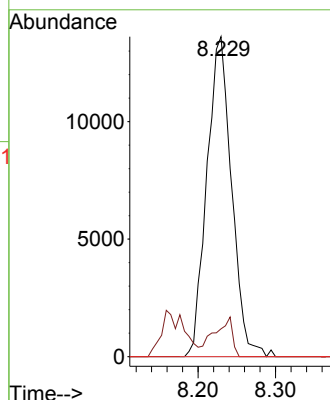
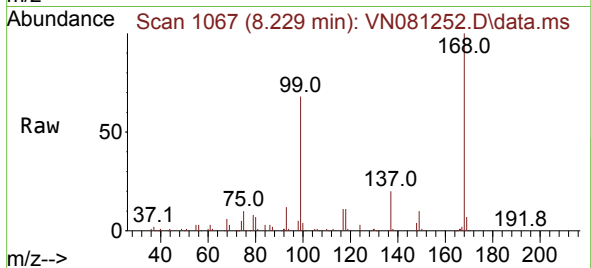
Tgt Ion: 75 Resp: 30216

Ion Ratio Lower Upper

75 100

110 9.3 16.0 48.0#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 6.219 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.130 min

Lab File: VN081252.D

Acq: 28 Feb 2024 18:53

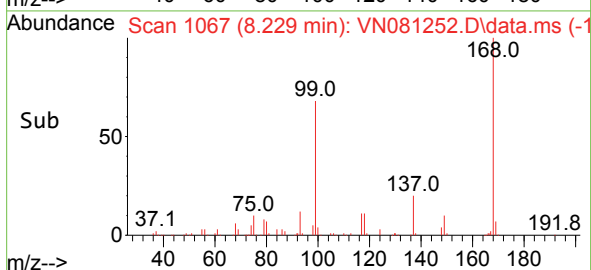
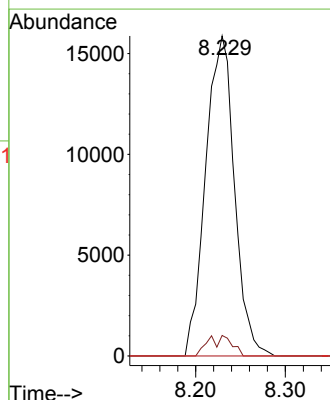
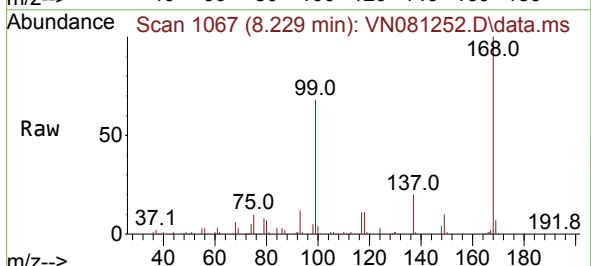
Tgt Ion: 117 Resp: 35412

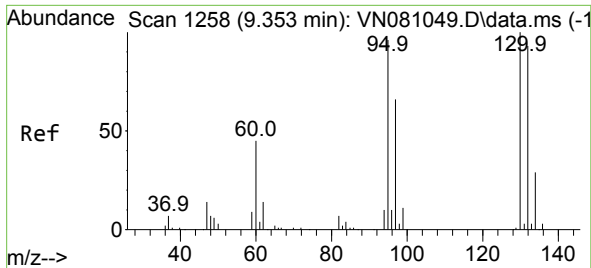
Ion Ratio Lower Upper

117 100

119 6.4 73.4 110.2#

121 0.0 24.4 36.6#

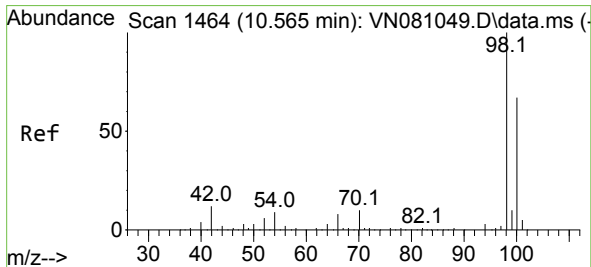
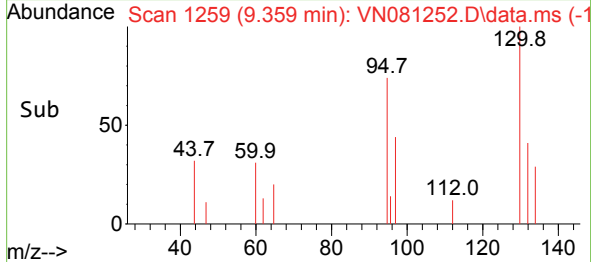
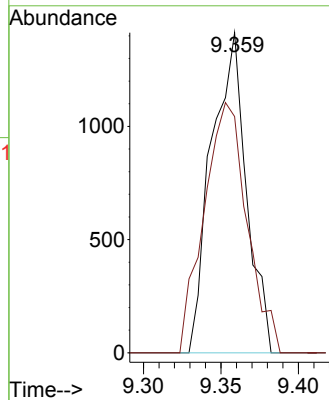
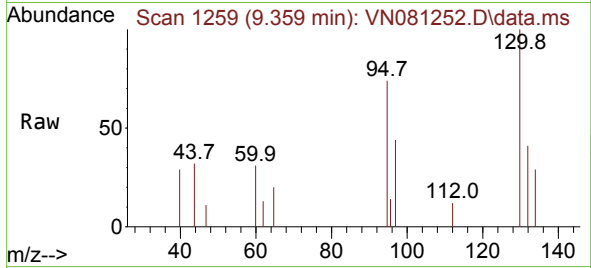




#44
Trichloroethene
Concen: 0.510 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081252.D
Acq: 28 Feb 2024 18:53

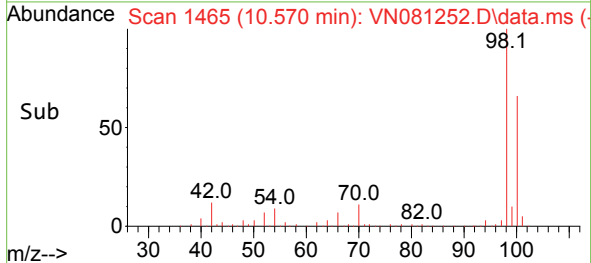
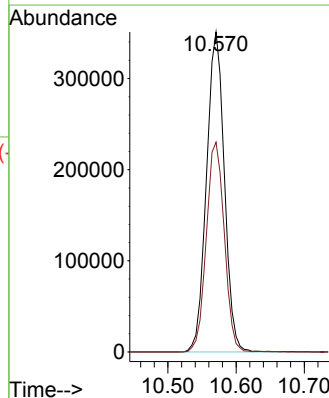
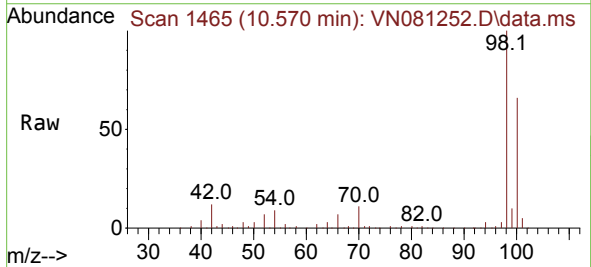
Instrument :
MSVOA_N
ClientSampleId :
1823-A

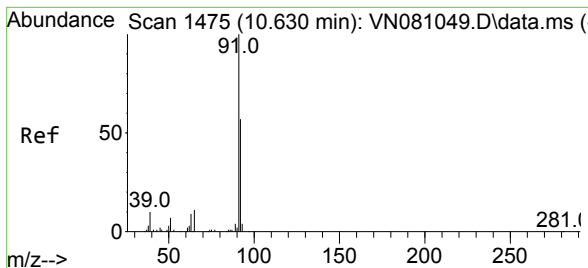
Tgt Ion:130 Resp: 2212
Ion Ratio Lower Upper
130 100
95 88.1 0.0 210.4



#50
Toluene-d8
Concen: 54.831 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081252.D
Acq: 28 Feb 2024 18:53

Tgt Ion: 98 Resp: 639750
Ion Ratio Lower Upper
98 100
100 66.0 51.4 77.0





#52

Toluene

Concen: 0.733 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VN081252.D

Acq: 28 Feb 2024 18:53

Instrument :

MSVOA_N

ClientSampleId :

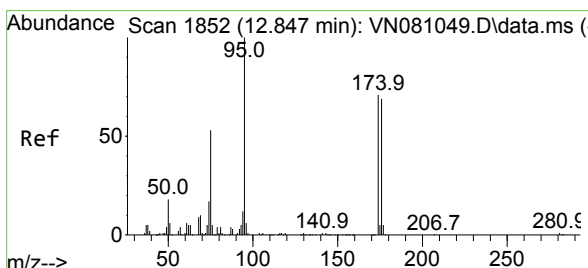
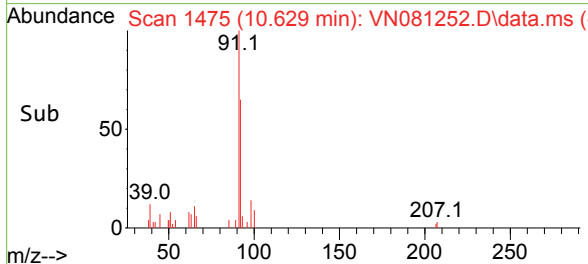
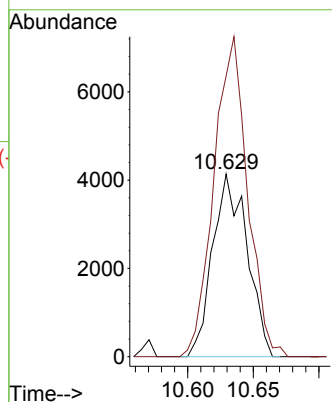
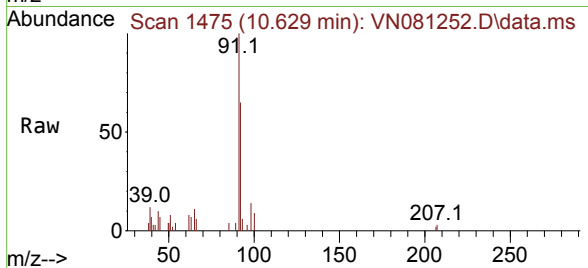
1823-A

Tgt Ion: 92 Resp: 7562

Ion Ratio Lower Upper

92 100

91 170.9 139.4 209.0



#62

4-Bromofluorobenzene

Concen: 46.531 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN081252.D

Acq: 28 Feb 2024 18:53

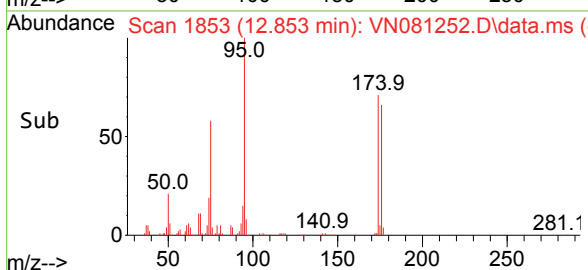
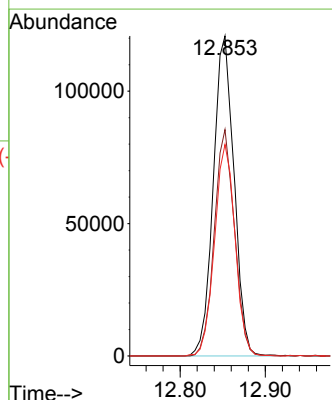
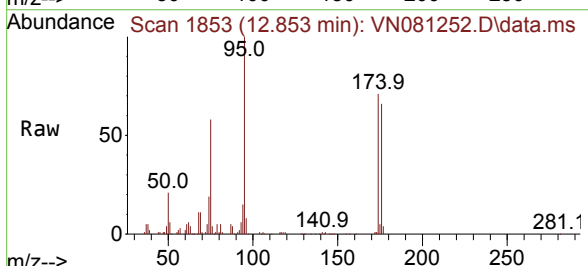
Tgt Ion: 95 Resp: 203997

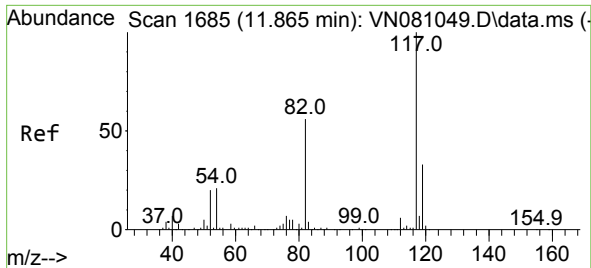
Ion Ratio Lower Upper

95 100

174 69.0 0.0 120.4

176 65.6 0.0 121.0

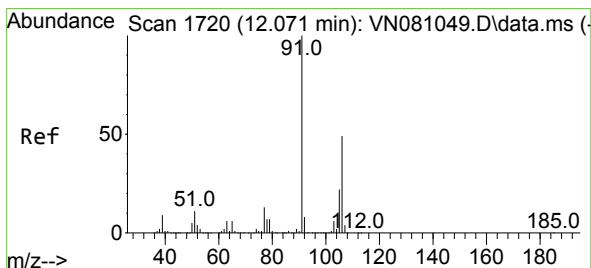
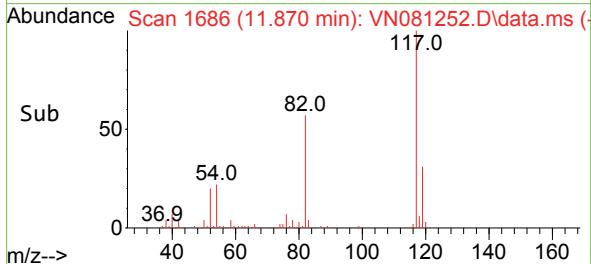
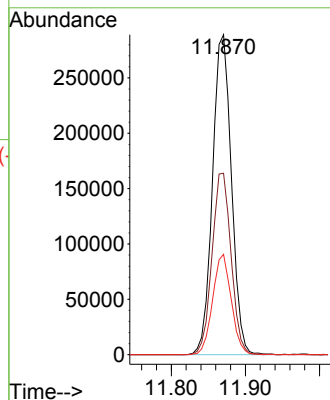
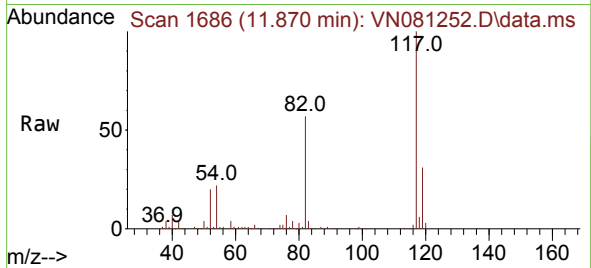




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN081252.D
Acq: 28 Feb 2024 18:53

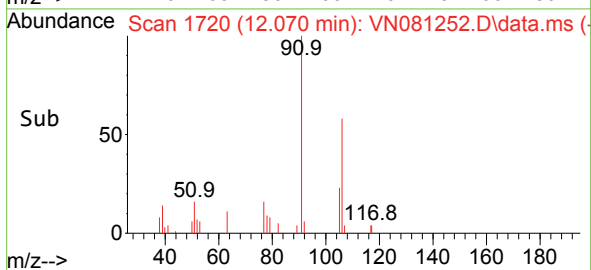
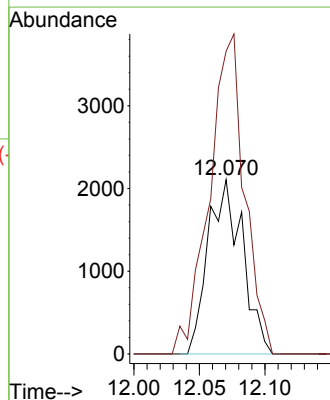
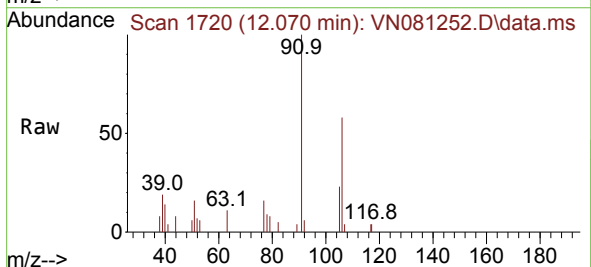
Instrument :
MSVOA_N
ClientSampleId :
1823-A

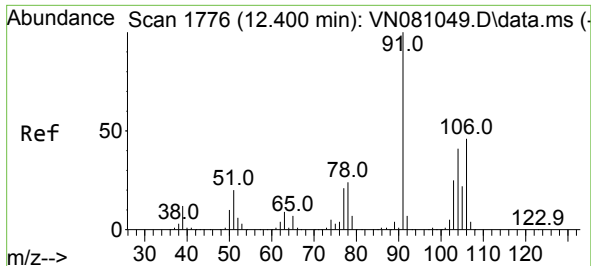
Tgt Ion:117 Resp: 512075
Ion Ratio Lower Upper
117 100
82 56.7 52.7 79.1
119 31.4 25.3 37.9



#68
m/p-Xylenes
Concen: 0.506 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN081252.D
Acq: 28 Feb 2024 18:53

Tgt Ion:106 Resp: 3843
Ion Ratio Lower Upper
106 100
91 187.7 169.0 253.6

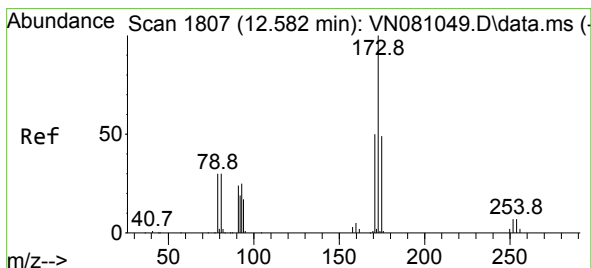
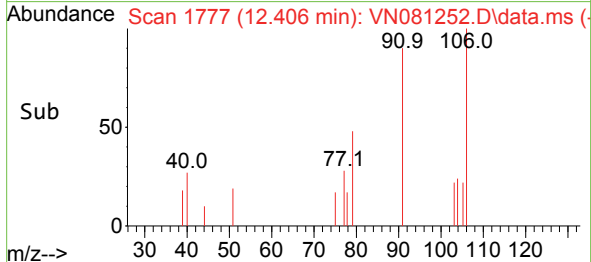
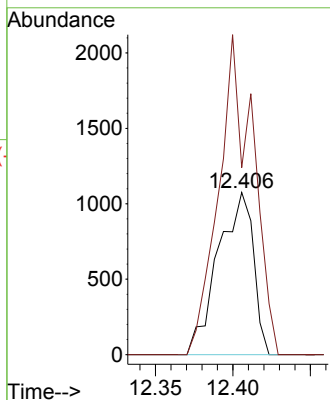
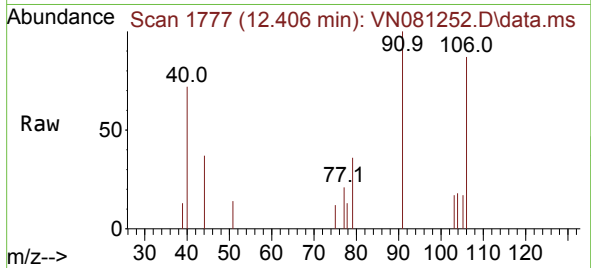




#69
o-Xylene
Concen: 0.225 ug/l
RT: 12.406 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081252.D
Acq: 28 Feb 2024 18:53

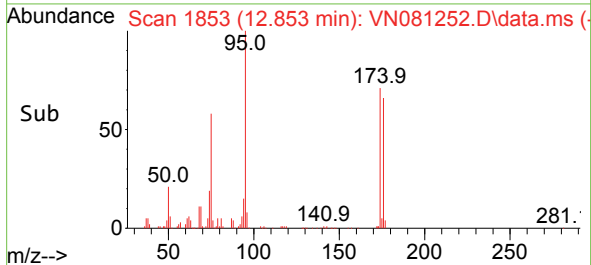
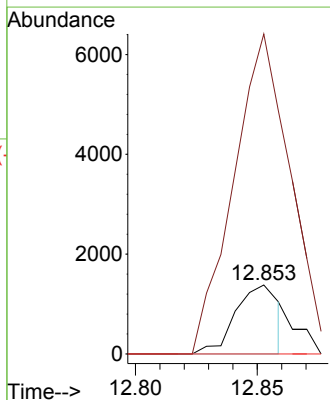
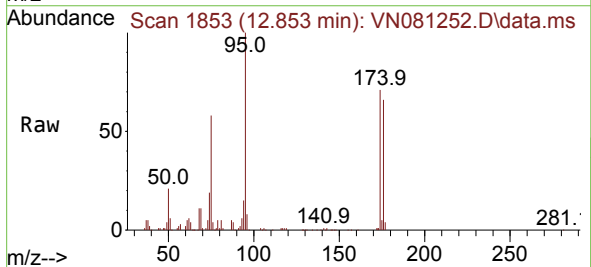
Instrument :
MSVOA_N
ClientSampleId :
1823-A

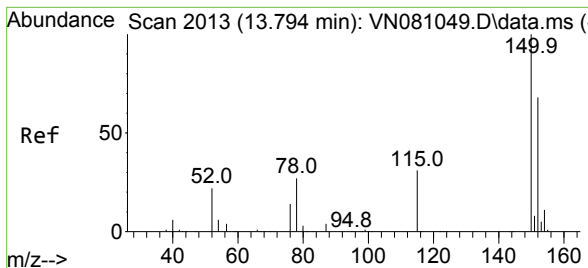
Tgt Ion:106 Resp: 1698
Ion Ratio Lower Upper
106 100
91 191.5 112.1 336.3



#71
Bromoform
Concen: 0.676 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.270 min
Lab File: VN081252.D
Acq: 28 Feb 2024 18:53

Tgt Ion:173 Resp: 1708
Ion Ratio Lower Upper
173 100
175 486.1 23.1 69.2#
254 0.0 0.0 0.0

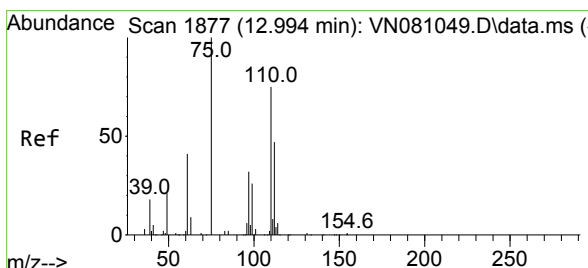
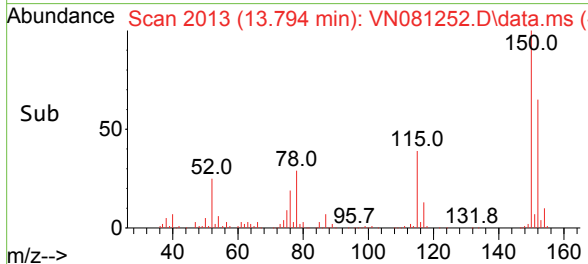
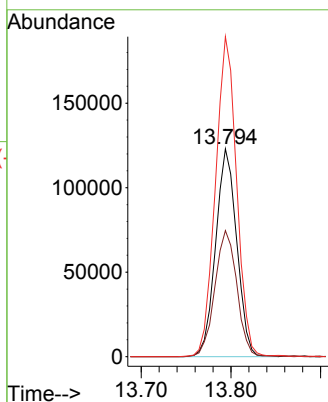
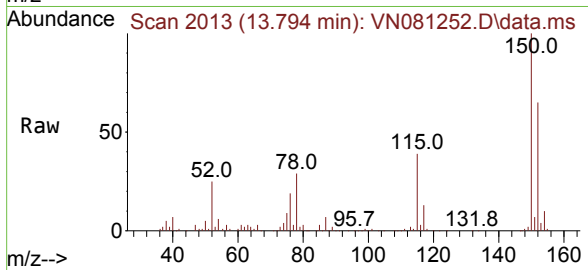




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN081252.D
 Acq: 28 Feb 2024 18:53

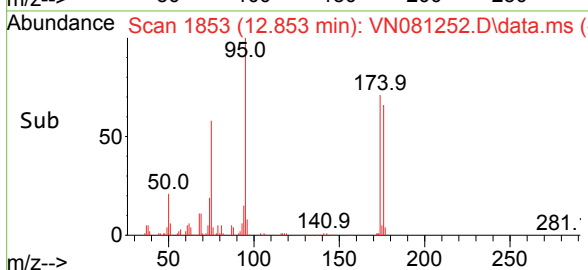
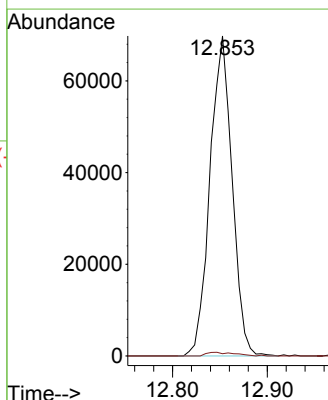
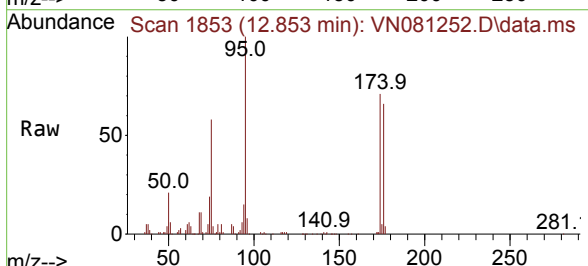
Instrument :
 MSVOA_N
 ClientSampleId :
 1823-A

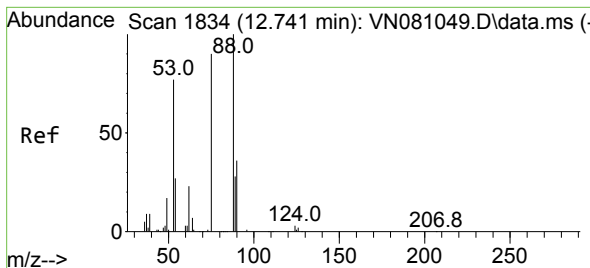
Tgt Ion:152 Resp: 200682
 Ion Ratio Lower Upper
 152 100
 115 63.4 32.3 96.8
 150 154.9 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 24.876 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN081252.D
 Acq: 28 Feb 2024 18:53

Tgt Ion: 75 Resp: 113424
 Ion Ratio Lower Upper
 75 100
 77 1.5 91.0 272.8#

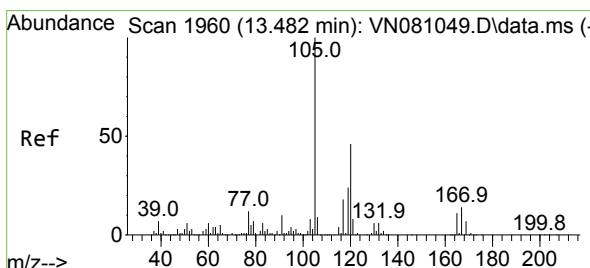
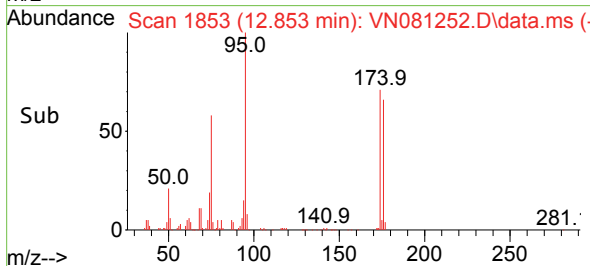
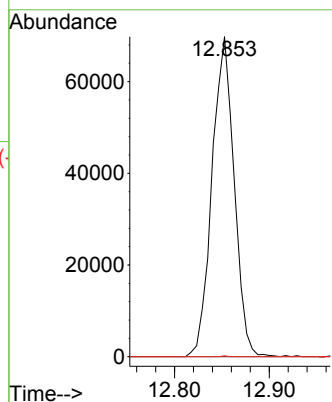
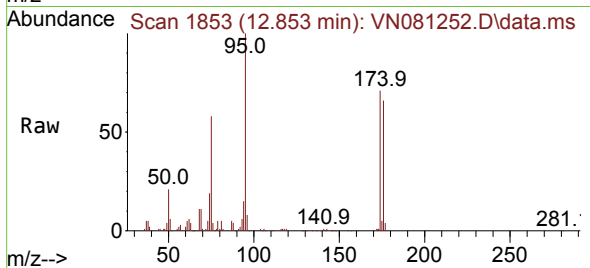




#81
trans-1,4-Dichloro-2-butene
Concen: 64.028 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081252.D
Acq: 28 Feb 2024 18:53

Instrument :
MSVOA_N
ClientSampleId :
1823-A

Tgt Ion: 75 Resp: 113424
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.1 33.4 50.0#



#84
1,2,4-Trimethylbenzene
Concen: 0.276 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN081252.D
Acq: 28 Feb 2024 18:53

Tgt Ion: 105 Resp: 3912
Ion Ratio Lower Upper
105 100
120 39.5 20.9 62.7

