

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111623\
 Data File : VN080144.D
 Acq On : 16 Nov 2023 19:33
 Operator : JC\MD
 Sample : 05381-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 17 01:27:48 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	8.229	168	177977	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	331735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	353458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	161622	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	162653	55.349	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.700%
35) Dibromofluoromethane	8.171	113	129204	52.784	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.560%
50) Toluene-d8	10.570	98	450897	51.101	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.200%
62) 4-Bromofluorobenzene	12.853	95	179813	53.952	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.900%

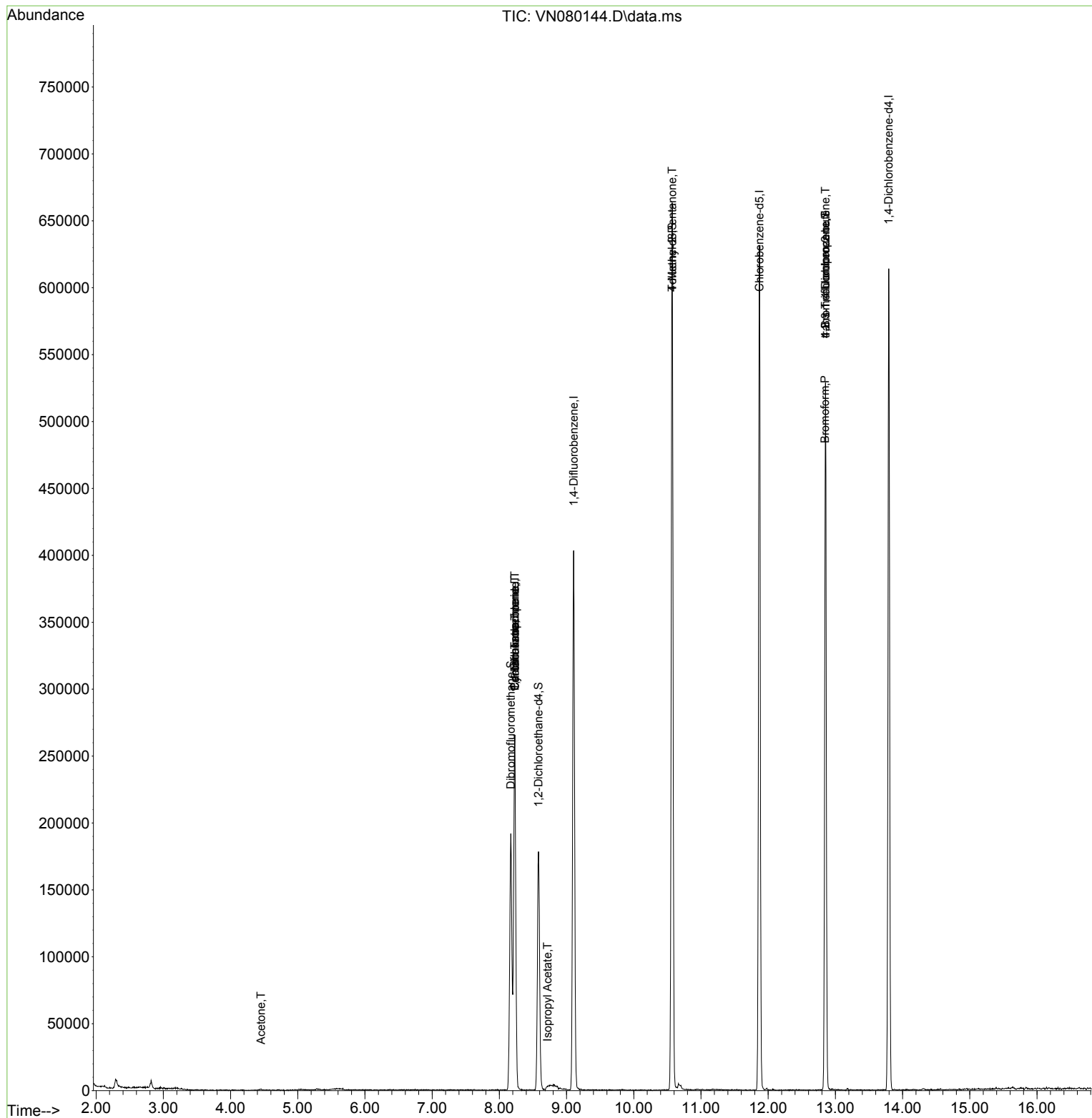
Target Compounds					Qvalue	
6) Chloroethane	3.112	64	477	Below Cal	#	43
16) Acetone	4.453	43	920	0.932	ug/l #	40
31) Cyclohexane	8.229	56	4501	1.408	ug/l #	21
36) 1,1-Dichloropropene	8.229	75	15413	4.349	ug/l #	48
38) Carbon Tetrachloride	8.229	117	21493	4.779	ug/l #	17
43) Isopropyl Acetate	8.718	43	1457	0.305	ug/l #	49
51) 4-Methyl-2-Pentanone	10.570	43	1780	0.719	ug/l #	1
71) Bromoform	12.847	173	823	0.357	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	97842	24.707	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	97842	83.476	ug/l #	15

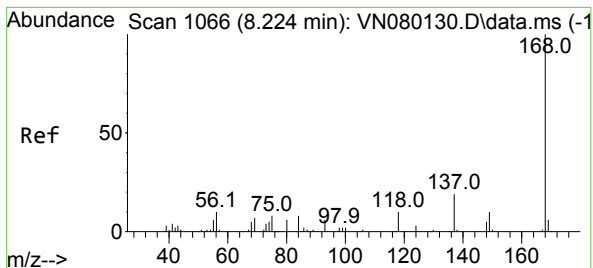
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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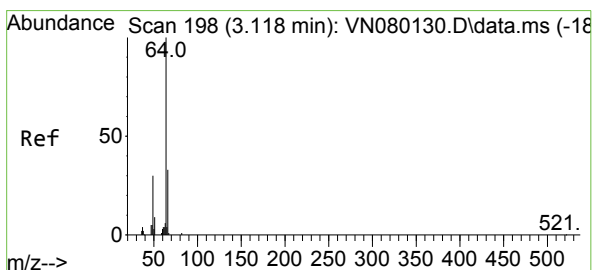
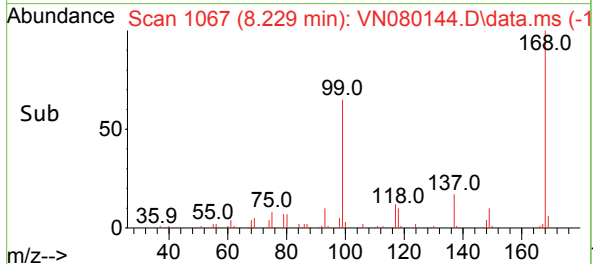
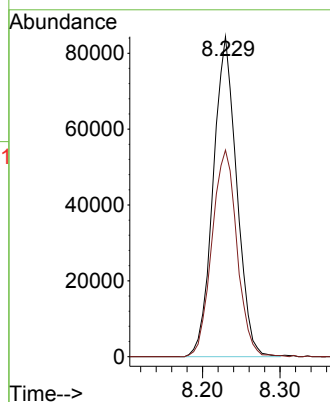
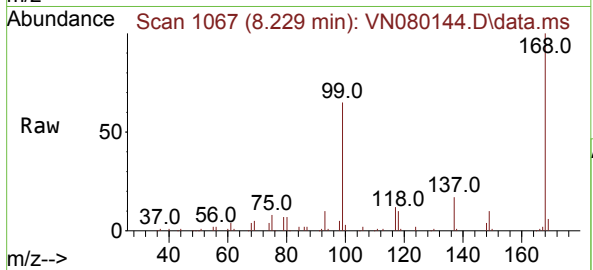




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN080144.D
Acq: 16 Nov 2023 19:33

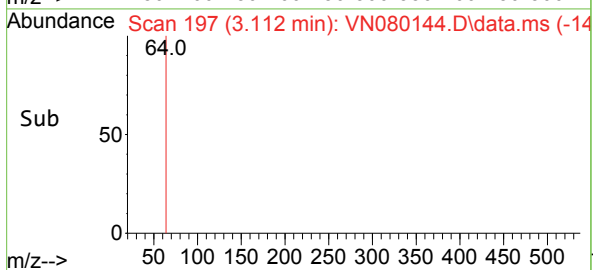
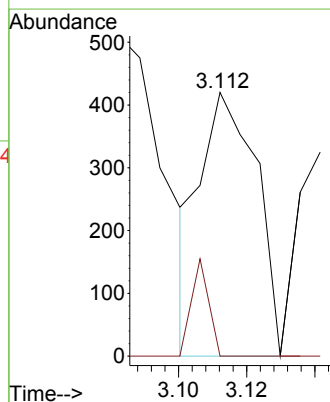
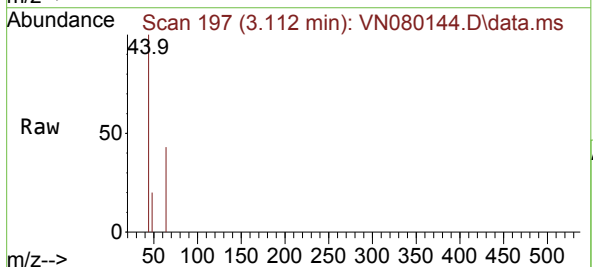
Instrument :
MSVOA_N
ClientSampleId :

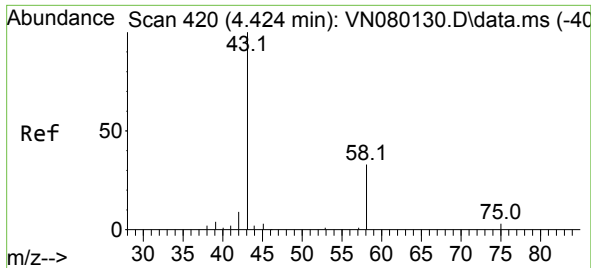
Tgt Ion:168 Resp: 177977
Ion Ratio Lower Upper
168 100
99 64.6 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN080144.D
Acq: 16 Nov 2023 19:33

Tgt Ion: 64 Resp: 477
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#16

Acetone

Concen: 0.932 ug/l

RT: 4.453 min Scan# 41

Delta R.T. 0.029 min

Lab File: VN080144.D

Acq: 16 Nov 2023 19:33

Instrument :

MSVOA_N

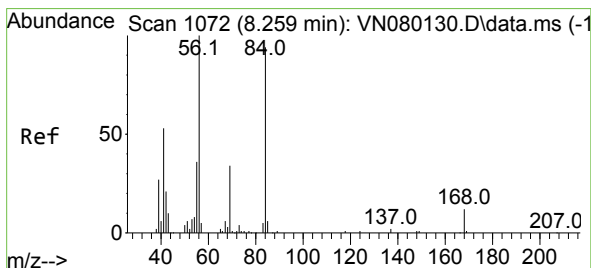
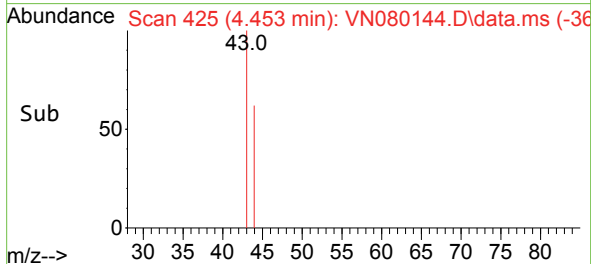
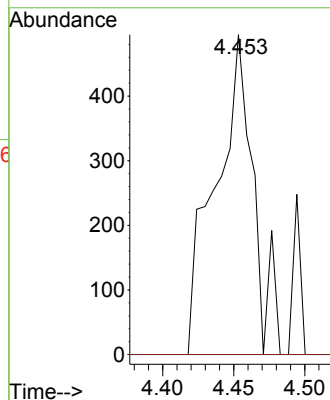
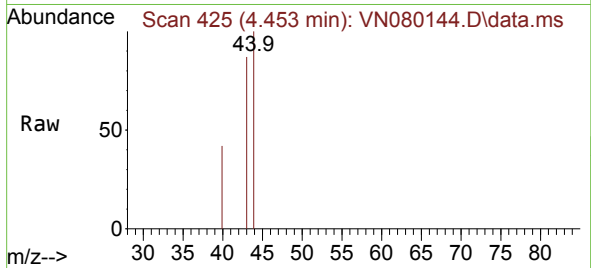
ClientSampleId :

Tgt Ion: 43 Resp: 920

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#



#31

Cyclohexane

Concen: 1.408 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.030 min

Lab File: VN080144.D

Acq: 16 Nov 2023 19:33

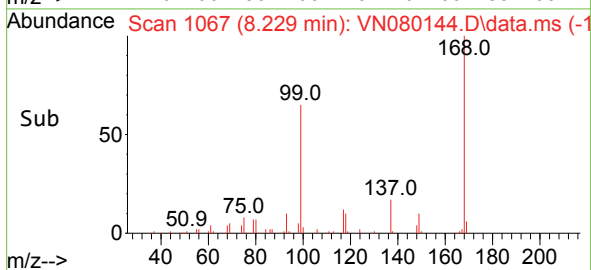
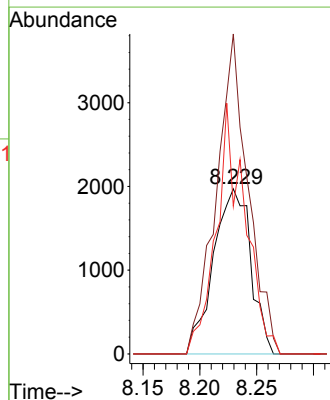
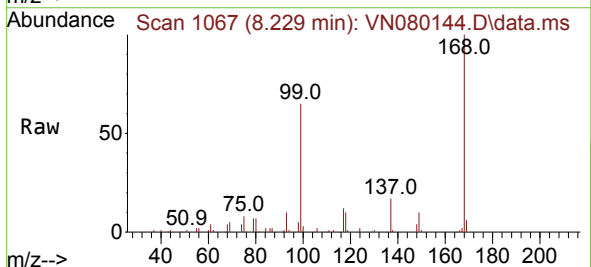
Tgt Ion: 56 Resp: 4501

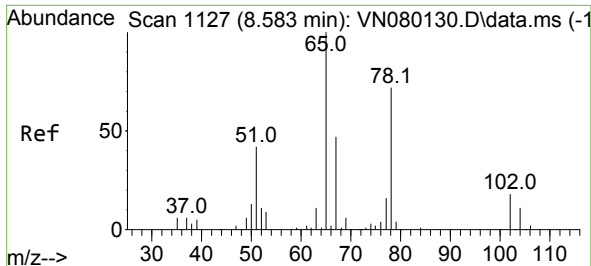
Ion Ratio Lower Upper

56 100

69 193.8 26.8 40.2#

84 89.6 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 55.349 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080144.D

Acq: 16 Nov 2023 19:33

Instrument :

MSVOA_N

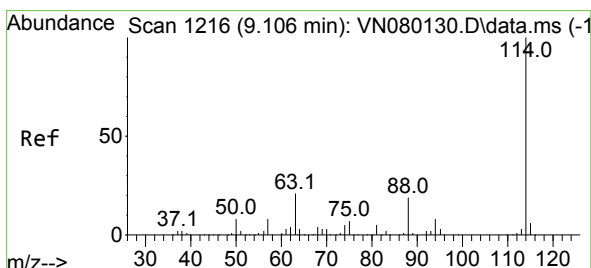
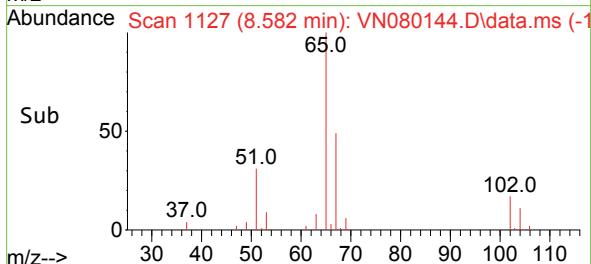
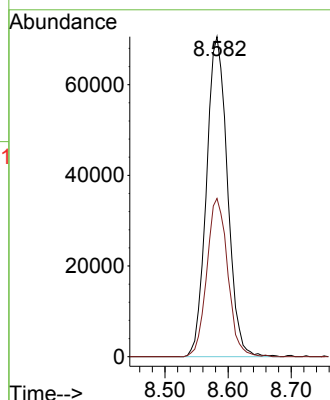
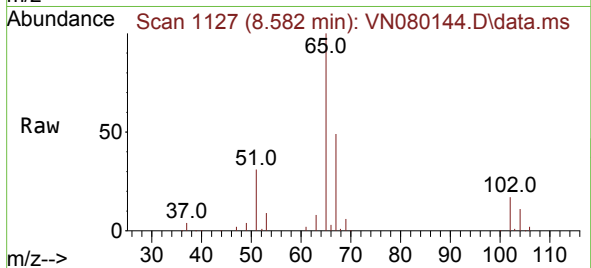
ClientSampleId :

Tgt Ion: 65 Resp: 162653

Ion Ratio Lower Upper

65 100

67 49.3 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN080144.D

Acq: 16 Nov 2023 19:33

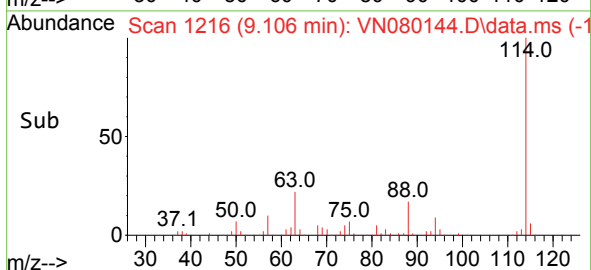
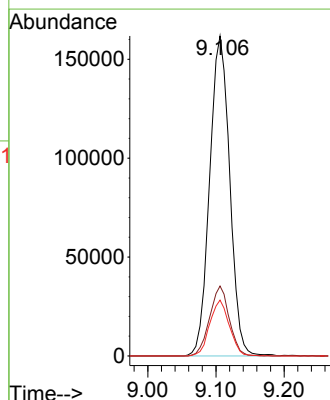
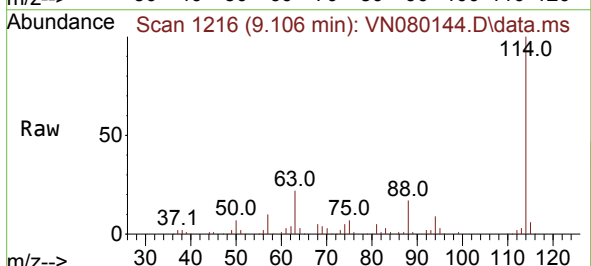
Tgt Ion:114 Resp: 331735

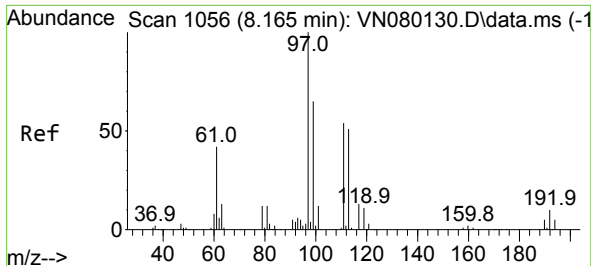
Ion Ratio Lower Upper

114 100

63 21.9 0.0 36.4

88 17.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.784 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

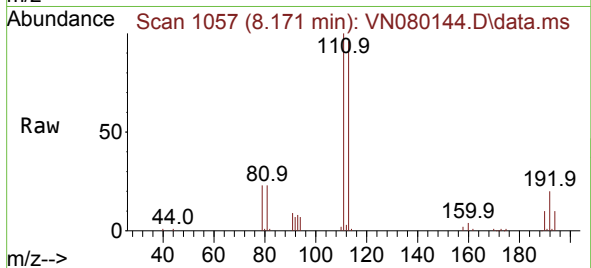
Lab File: VN080144.D

Acq: 16 Nov 2023 19:33

Instrument :

MSVOA_N

ClientSampleId :



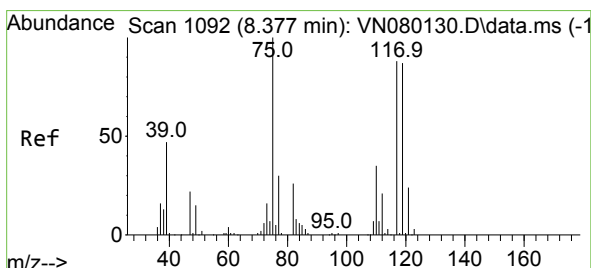
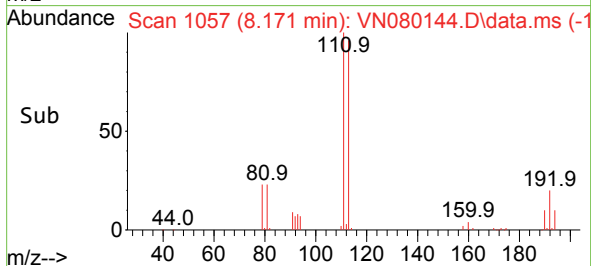
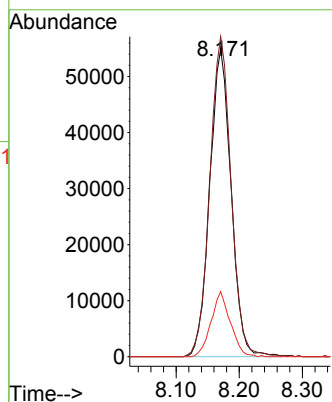
Tgt Ion:113 Resp: 129204

Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

192 19.2 12.7 19.1#



#36

1,1-Dichloropropene

Concen: 4.349 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN080144.D

Acq: 16 Nov 2023 19:33

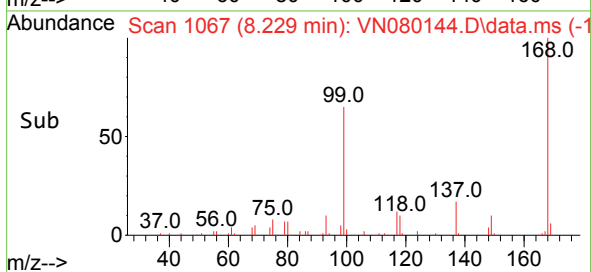
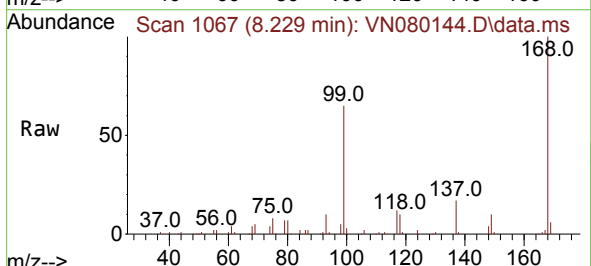
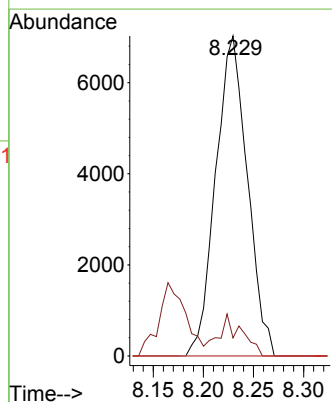
Tgt Ion: 75 Resp: 15413

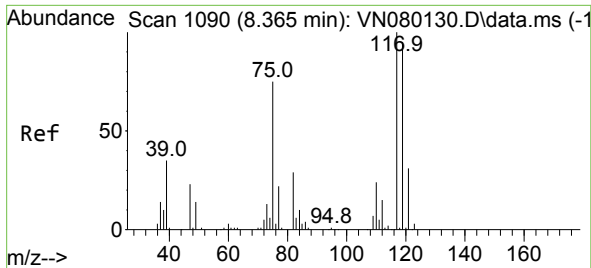
Ion Ratio Lower Upper

75 100

110 9.5 19.1 57.3#

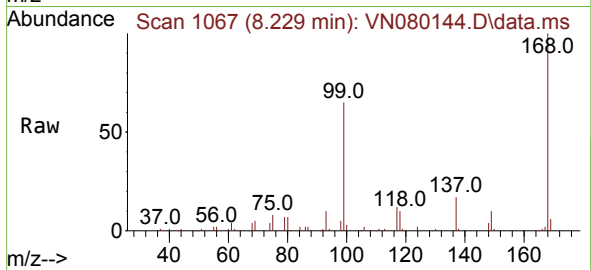
77 0.0 25.0 37.4#



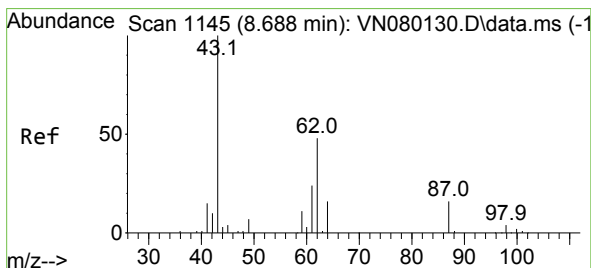
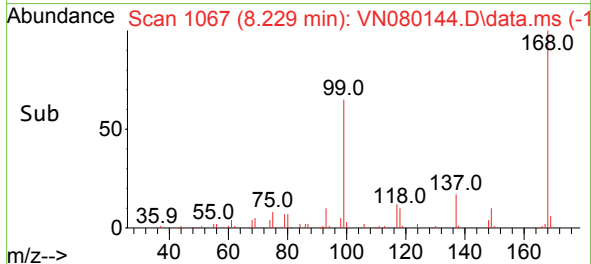
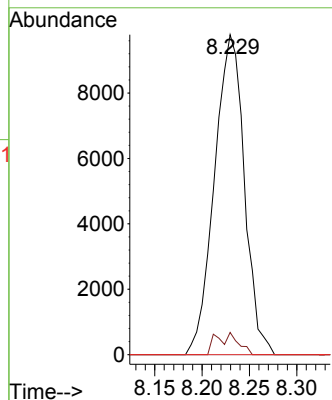


#38
Carbon Tetrachloride
Concen: 4.779 ug/l
RT: 8.229 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN080144.D
Acq: 16 Nov 2023 19:33

Instrument :
MSVOA_N
ClientSampleId :

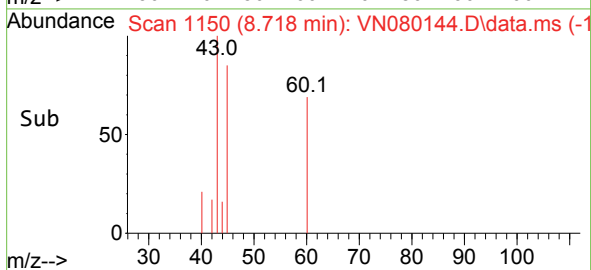
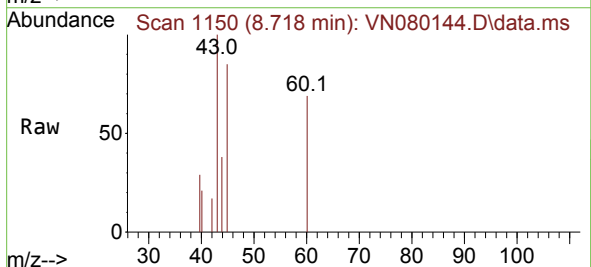
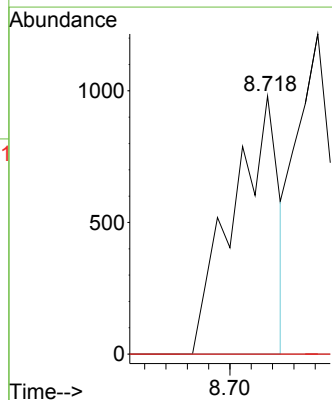


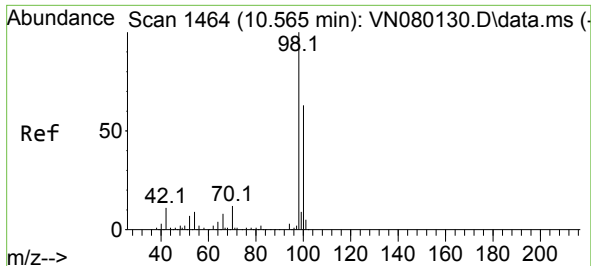
Tgt Ion:117 Resp: 21493
Ion Ratio Lower Upper
117 100
119 6.9 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.305 ug/l
RT: 8.718 min Scan# 1150
Delta R.T. 0.029 min
Lab File: VN080144.D
Acq: 16 Nov 2023 19:33

Tgt Ion: 43 Resp: 1457
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

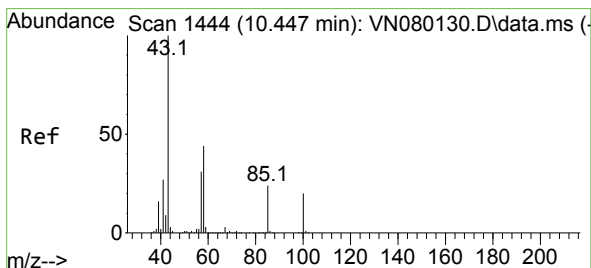
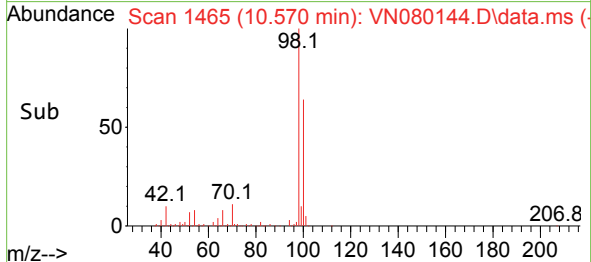
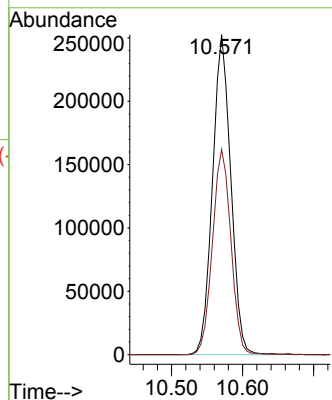
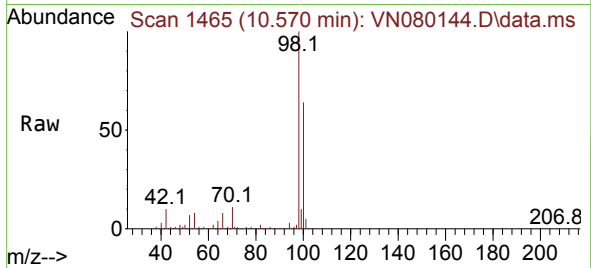




#50
Toluene-d8
Concen: 51.101 ug/l
RT: 10.570 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN080144.D
Acq: 16 Nov 2023 19:33

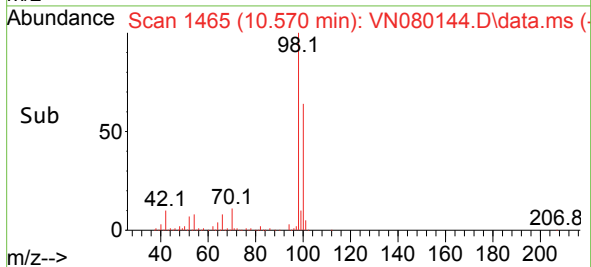
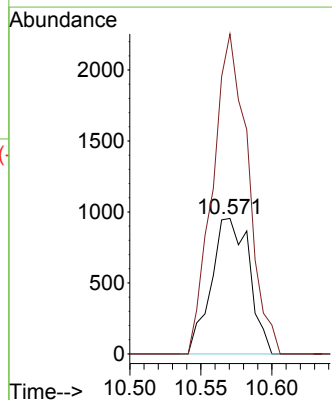
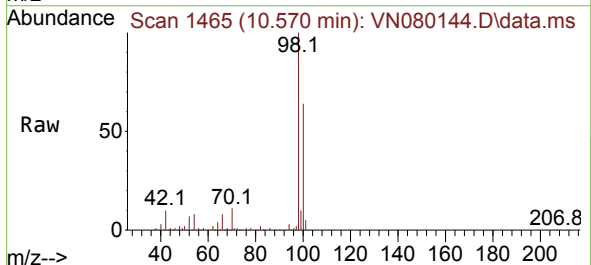
Instrument :
MSVOA_N
ClientSampleId :

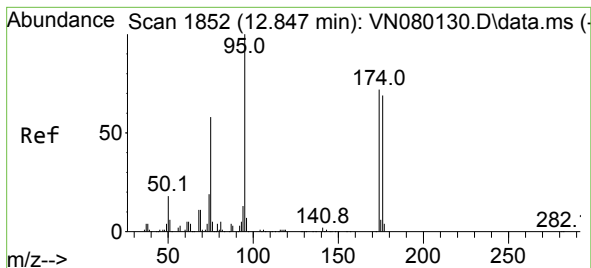
Tgt Ion: 98 Resp: 450897
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.719 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.123 min
Lab File: VN080144.D
Acq: 16 Nov 2023 19:33

Tgt Ion: 43 Resp: 1780
Ion Ratio Lower Upper
43 100
58 218.9 36.6 54.8#

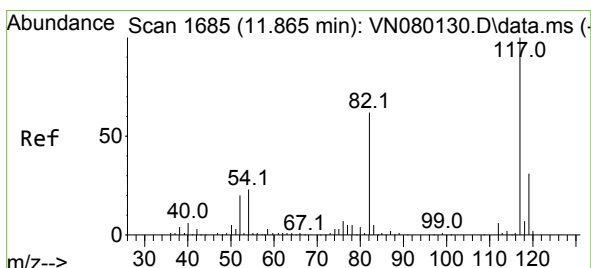
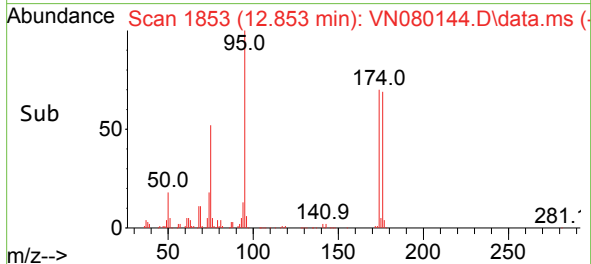
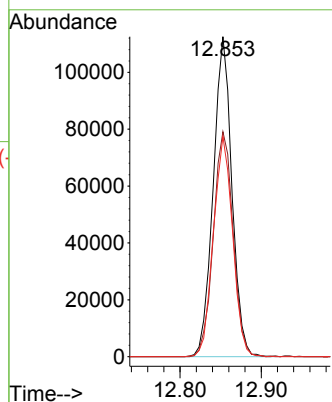
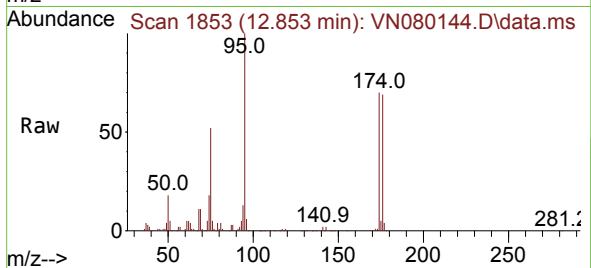




#62
4-Bromofluorobenzene
Concen: 53.952 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080144.D
Acq: 16 Nov 2023 19:33

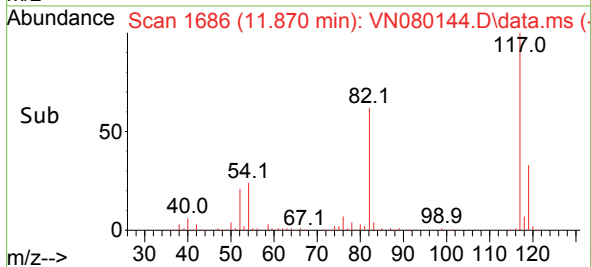
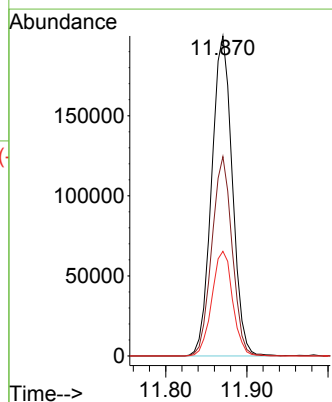
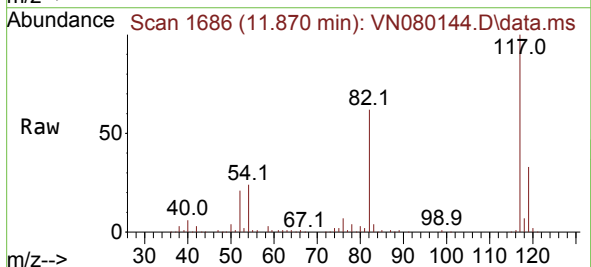
Instrument :
MSVOA_N
ClientSampleId :

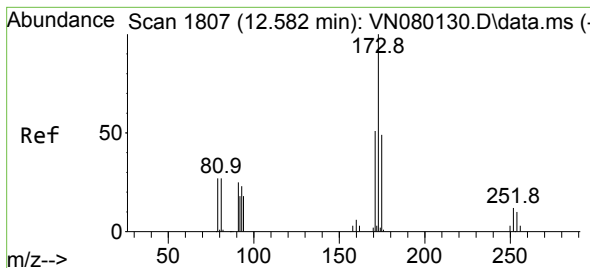
Tgt Ion: 95 Resp: 179813
Ion Ratio Lower Upper
95 100
174 74.3 0.0 143.8
176 70.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080144.D
Acq: 16 Nov 2023 19:33

Tgt Ion: 117 Resp: 353458
Ion Ratio Lower Upper
117 100
82 62.3 44.0 66.0
119 32.7 25.6 38.4





#71

Bromoform

Concen: 0.357 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.264 min

Lab File: VN080144.D

Acq: 16 Nov 2023 19:33

Instrument :

MSVOA_N

ClientSampleId :

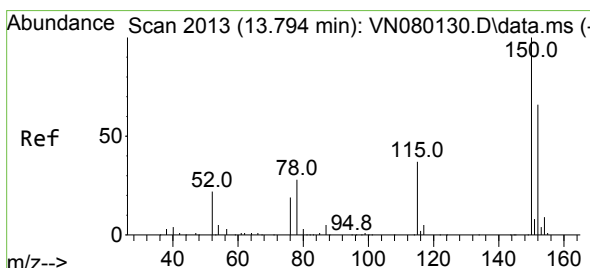
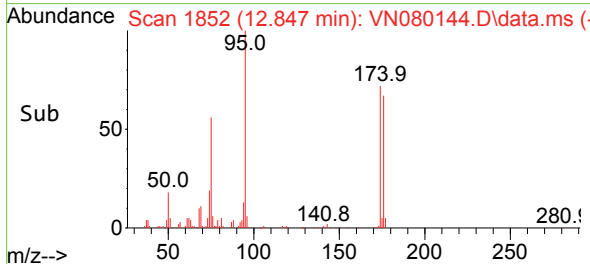
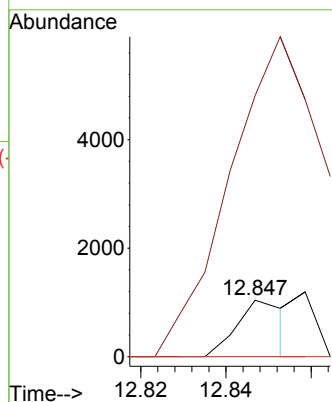
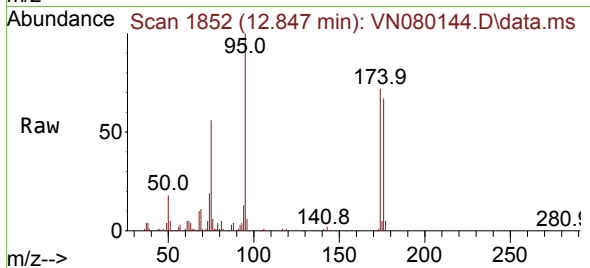
Tgt Ion:173 Resp: 823

Ion Ratio Lower Upper

173 100

175 910.3 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: VN080144.D

Acq: 16 Nov 2023 19:33

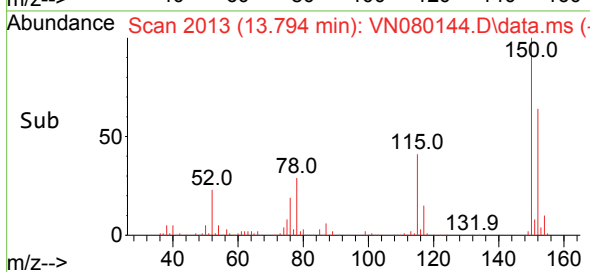
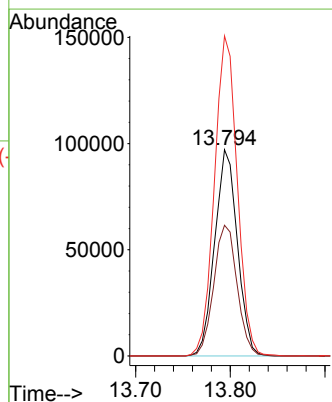
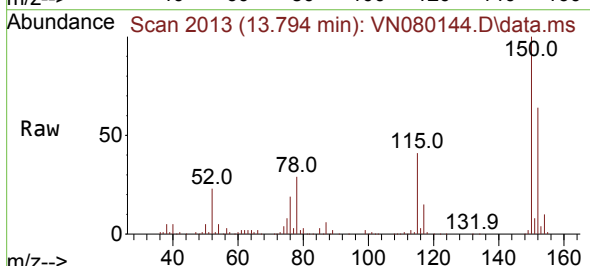
Tgt Ion:152 Resp: 161622

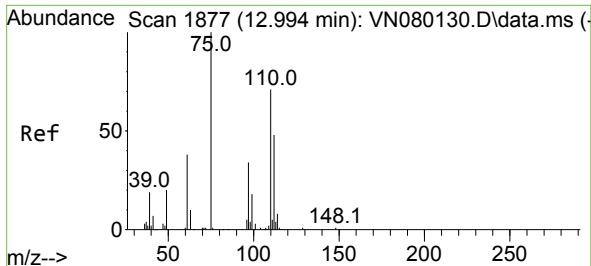
Ion Ratio Lower Upper

152 100

115 65.4 32.3 96.8

150 156.0 0.0 355.8

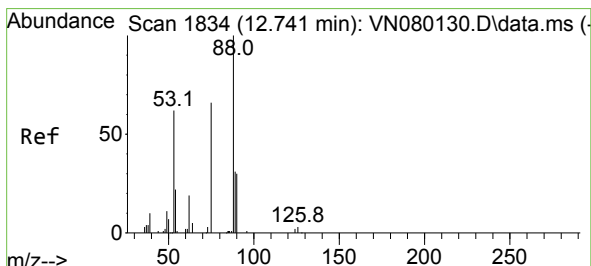
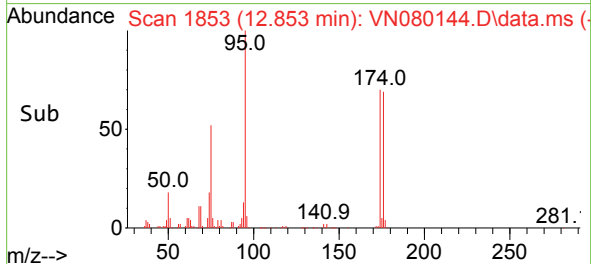
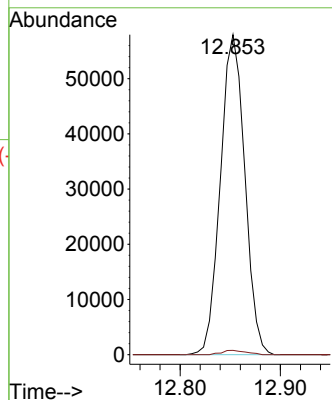
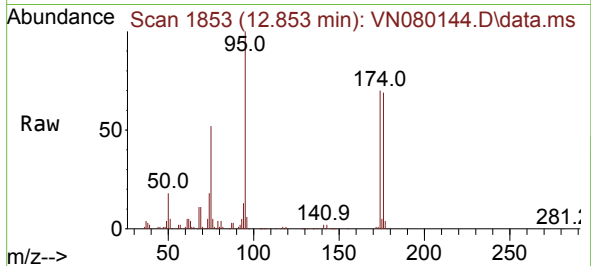




#76
1,2,3-Trichloropropane
Concen: 24.707 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080144.D
Acq: 16 Nov 2023 19:33

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 97842
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.476 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080144.D
Acq: 16 Nov 2023 19:33

Tgt Ion: 75 Resp: 97842
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

