

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022124\
 Data File : VN081120.D
 Acq On : 21 Feb 2024 15:10
 Operator : JC\MD
 Sample : P1546-08 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1331

Quant Time: Feb 22 04:47:57 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)

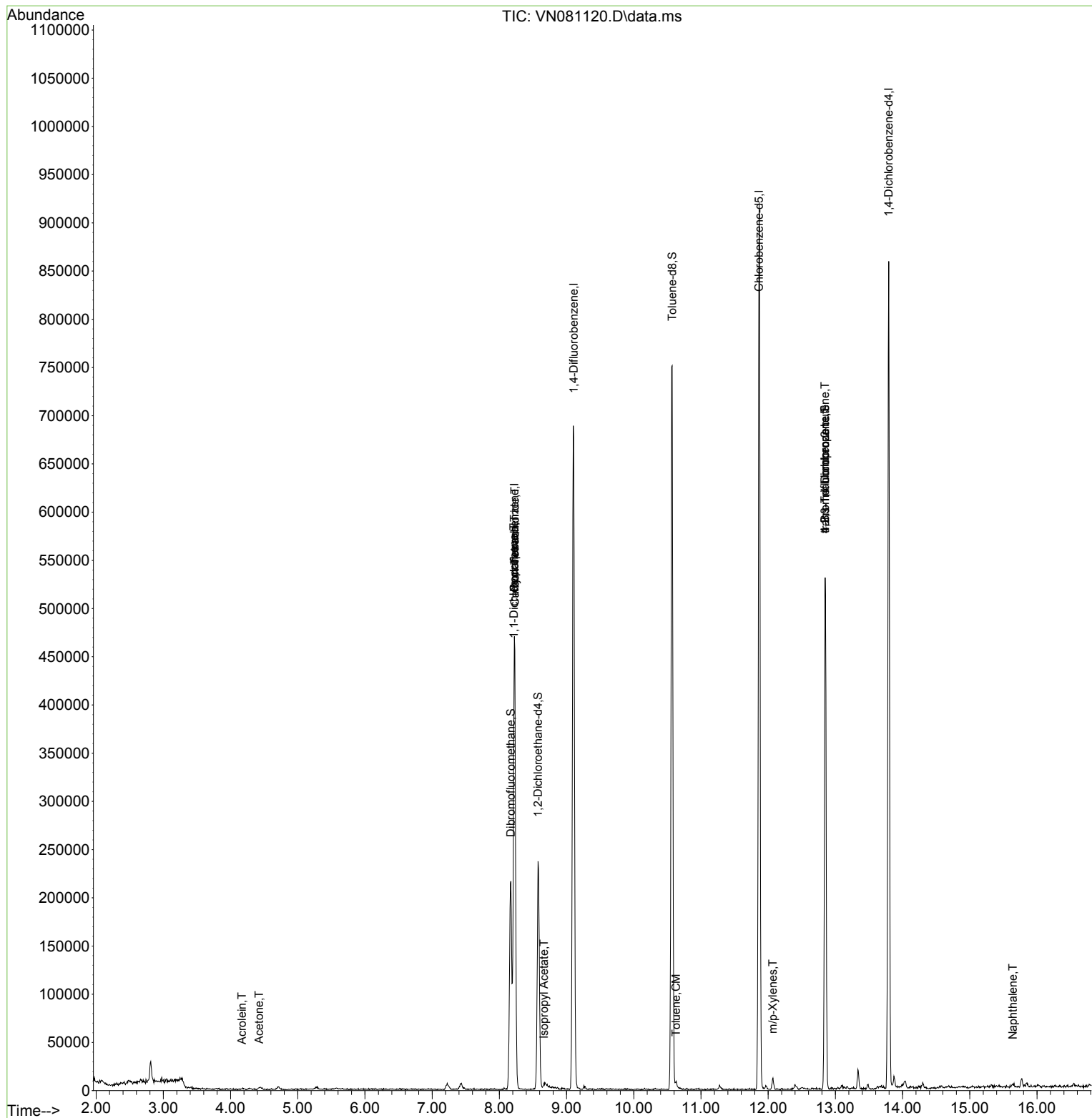
Internal Standards						
1) Pentafluorobenzene	8.224	168	332016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	613008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	531754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	219839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	185067	45.476	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.960%		
35) Dibromofluoromethane	8.171	113	156888	45.260	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.520%		
50) Toluene-d8	10.571	98	525728	42.702	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	85.400%#		
62) 4-Bromofluorobenzene	12.847	95	188073	40.654	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	81.300%#		
Target Compounds						Qvalue
3) Chloromethane	2.371	50	1314	Below Cal	#	43
6) Chloroethane	3.118	64	315	Below Cal	#	42
13) Acrolein	4.171	56	1499	3.737	ug/l #	70
16) Acetone	4.424	43	1617	1.010	ug/l	94
20) Methylene Chloride	5.271	84	958	Below Cal	#	34
31) Cyclohexane	8.224	56	7627	1.085	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	28147	4.740	ug/l #	53
38) Carbon Tetrachloride	8.230	117	39487	6.572	ug/l #	16
43) Isopropyl Acetate	8.665	43	2590	0.276	ug/l #	69
49) 1,4-Dioxane	9.688	88	103	Below Cal	#	18
52) Toluene	10.629	92	3042	0.280	ug/l	95
68) m/p-Xylenes	12.070	106	3648	0.462	ug/l	87
76) 1,2,3-Trichloropropane	12.847	75	104597	20.941	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	104597	53.900	ug/l #	14
95) Naphthalene	15.641	128	3500	0.219	ug/l #	95

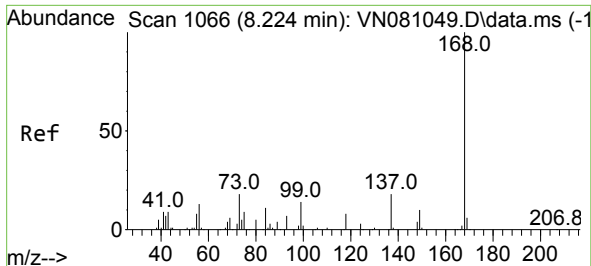
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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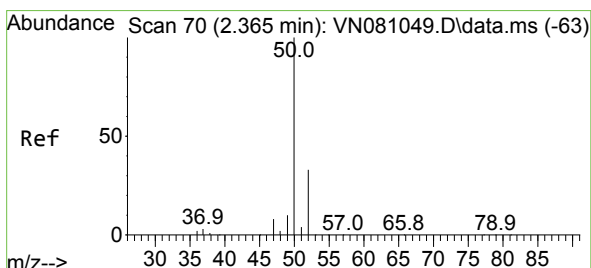
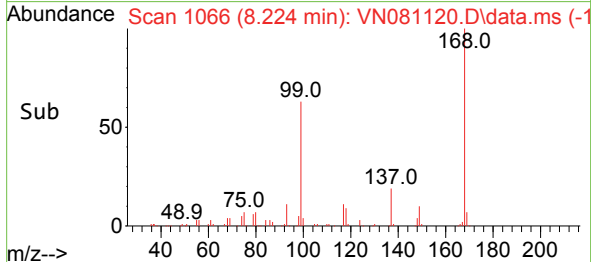
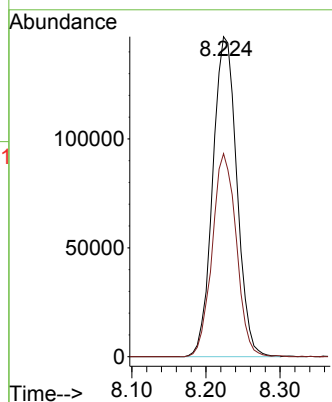
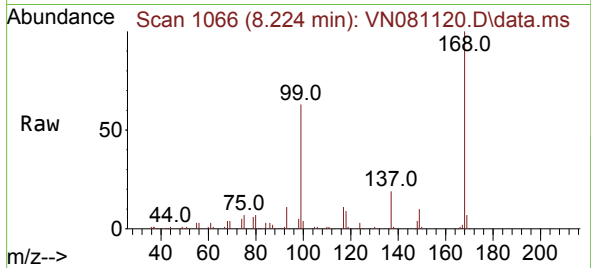




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081120.D
Acq: 21 Feb 2024 15:10

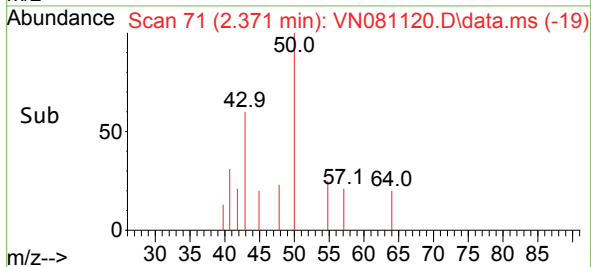
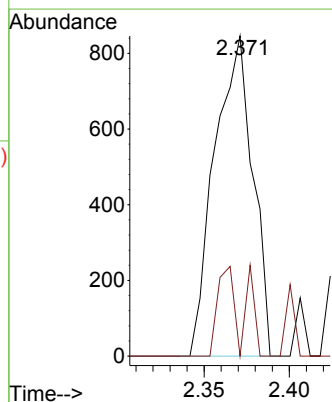
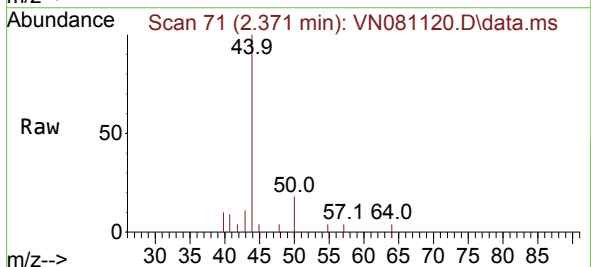
Instrument :
MSVOA_N
ClientSampleId :
1331

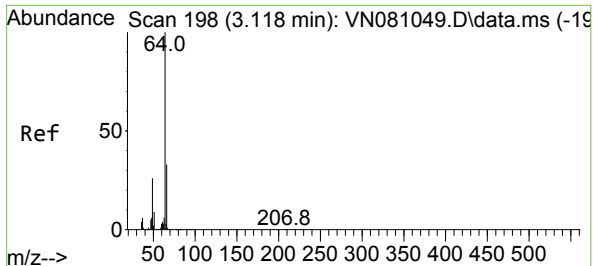
Tgt Ion:168 Resp: 332016
Ion Ratio Lower Upper
168 100
99 63.5 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN081120.D
Acq: 21 Feb 2024 15:10

Tgt Ion: 50 Resp: 1314
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

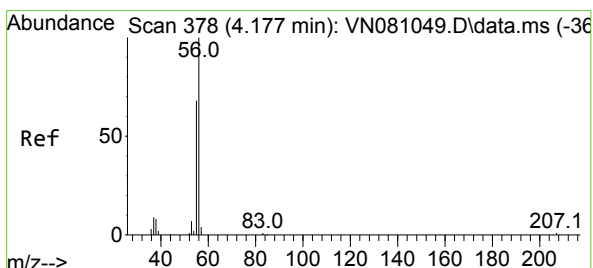
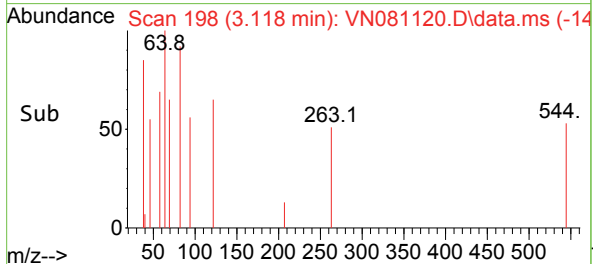
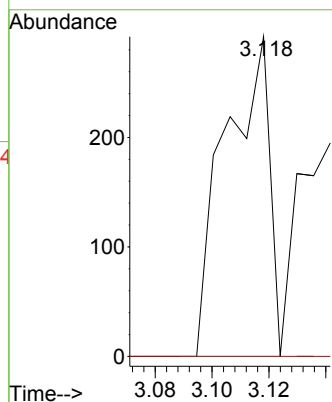
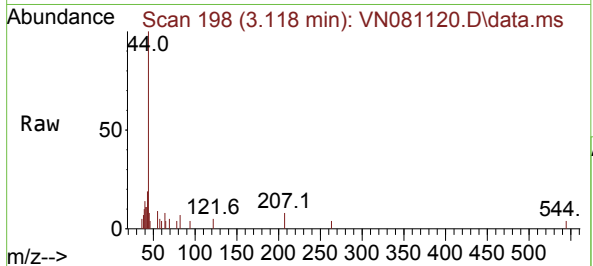




#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN081120.D
Acq: 21 Feb 2024 15:10

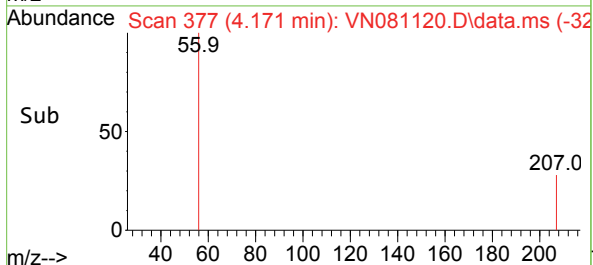
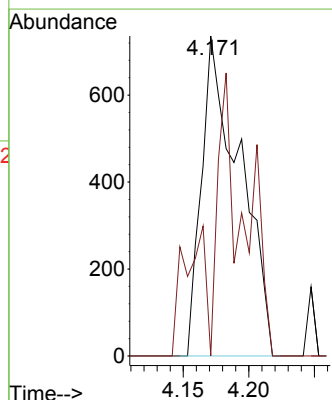
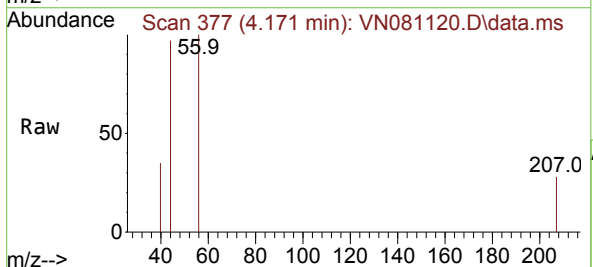
Instrument :
MSVOA_N
ClientSampleId :
1331

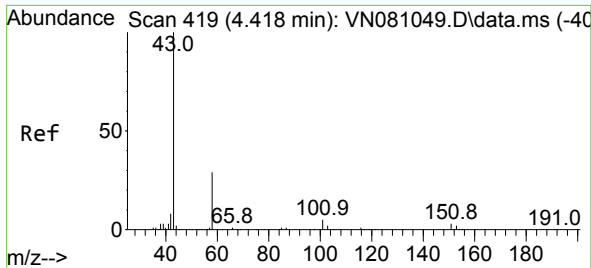
Tgt Ion: 64 Resp: 315
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#13
Acrolein
Concen: 3.737 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN081120.D
Acq: 21 Feb 2024 15:10

Tgt Ion: 56 Resp: 1499
Ion Ratio Lower Upper
56 100
55 44.3 55.3 82.9#





#16

Acetone

Concen: 1.010 ug/l

RT: 4.424 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN081120.D

Acq: 21 Feb 2024 15:10

Instrument :

MSVOA_N

ClientSampleId :

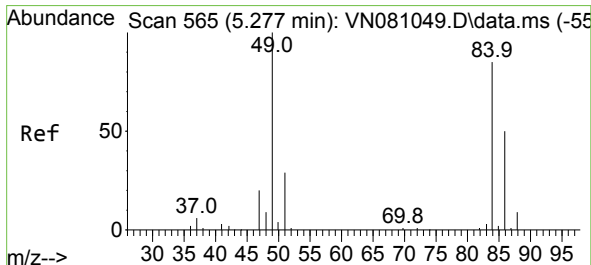
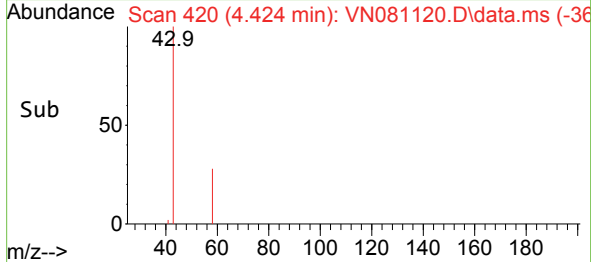
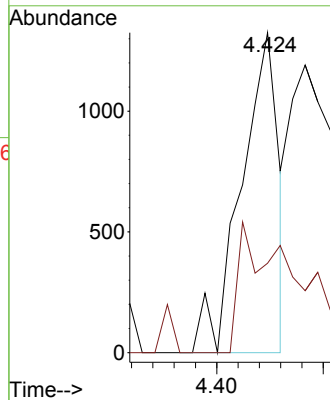
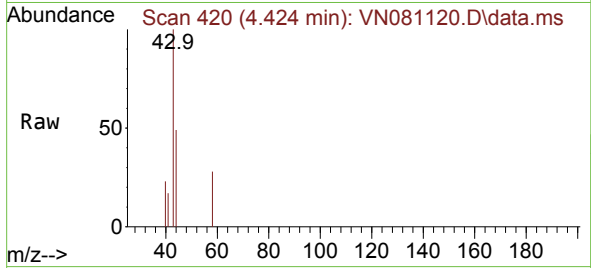
1331

Tgt Ion: 43 Resp: 1617

Ion Ratio Lower Upper

43 100

58 27.9 24.8 37.2



#20

Methylene Chloride

Concen: Below Cal

RT: 5.271 min Scan# 564

Delta R.T. -0.006 min

Lab File: VN081120.D

Acq: 21 Feb 2024 15:10

Tgt Ion: 84 Resp: 958

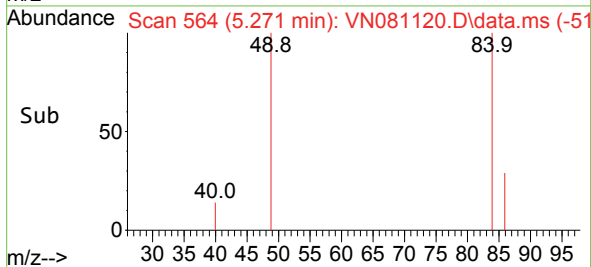
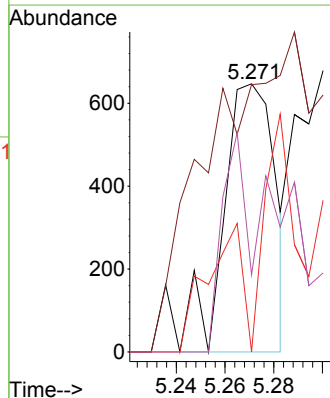
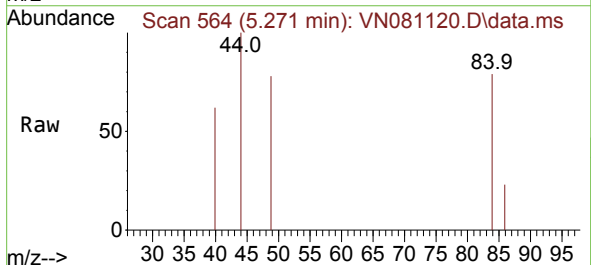
Ion Ratio Lower Upper

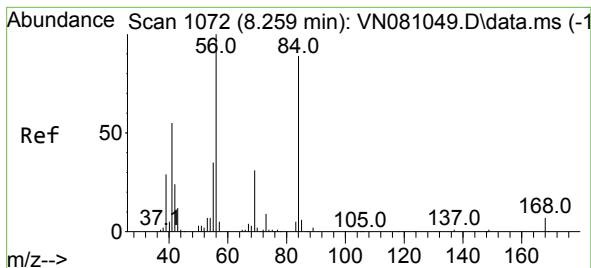
84 100

49 44.0 108.1 162.1#

51 0.0 32.9 49.3#

86 28.7 48.6 73.0#





#31

Cyclohexane

Concen: 1.085 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN081120.D

Acq: 21 Feb 2024 15:10

Instrument :

MSVOA_N

ClientSampleId :

1331

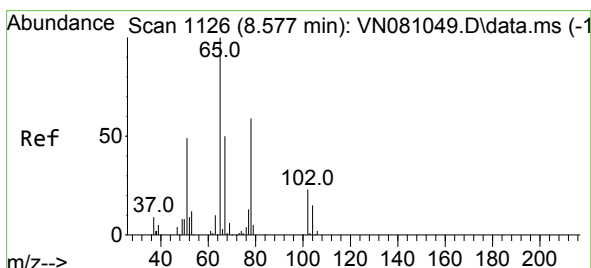
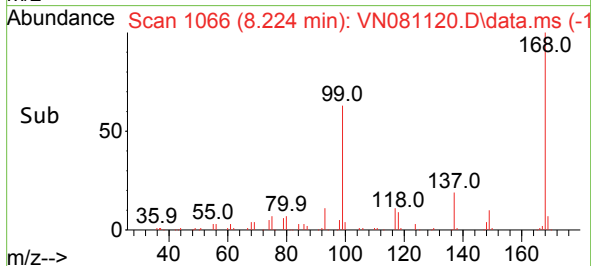
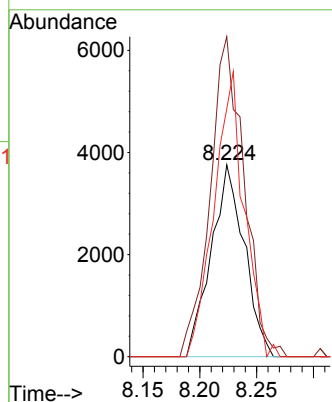
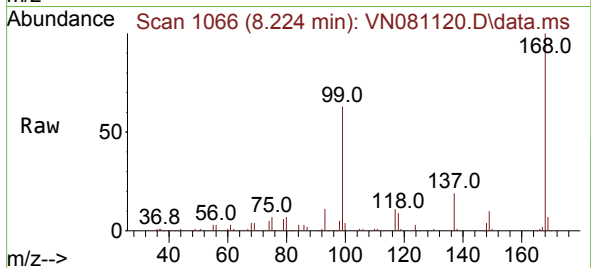
Tgt Ion: 56 Resp: 7627

Ion Ratio Lower Upper

56 100

69 166.8 20.1 30.1#

84 129.2 56.9 85.3#



#33

1,2-Dichloroethane-d4

Concen: 45.476 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081120.D

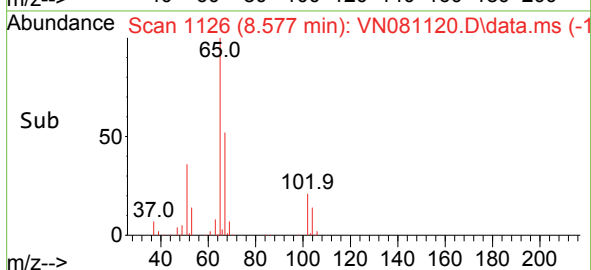
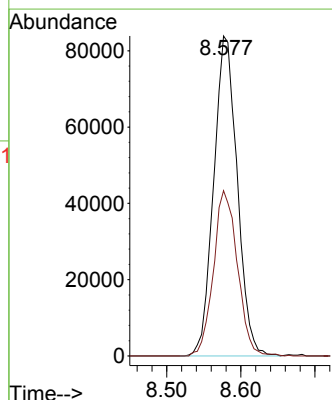
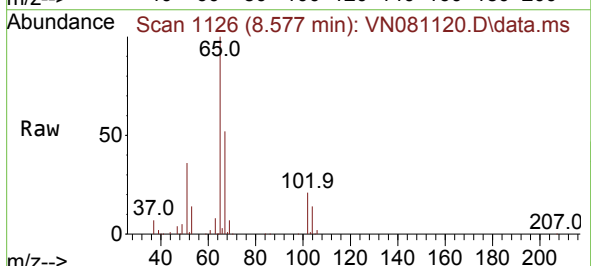
Acq: 21 Feb 2024 15:10

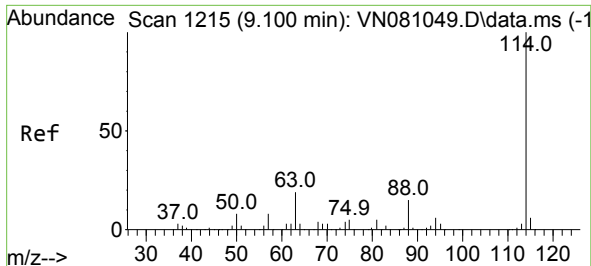
Tgt Ion: 65 Resp: 185067

Ion Ratio Lower Upper

65 100

67 52.6 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: VN081120.D

Acq: 21 Feb 2024 15:10

Instrument :

MSVOA_N

ClientSampleId :

1331

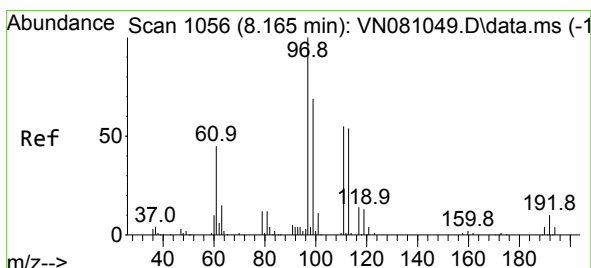
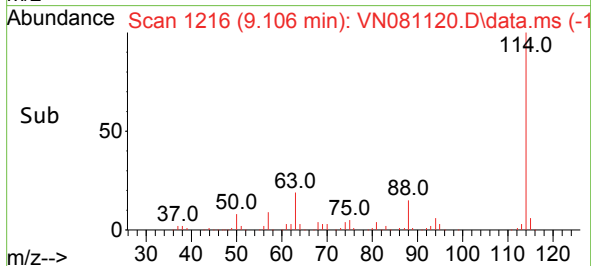
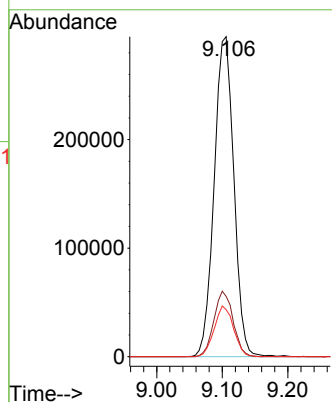
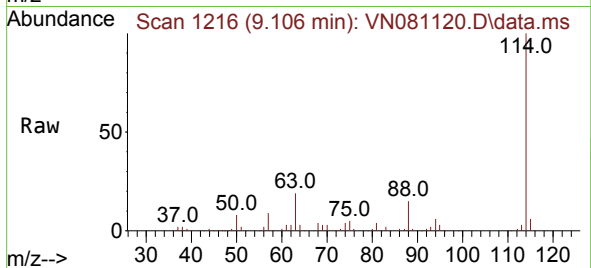
Tgt Ion:114 Resp: 613008

Ion Ratio Lower Upper

114 100

63 18.8 0.0 48.0

88 14.7 0.0 34.8



#35

Dibromofluoromethane

Concen: 45.260 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081120.D

Acq: 21 Feb 2024 15:10

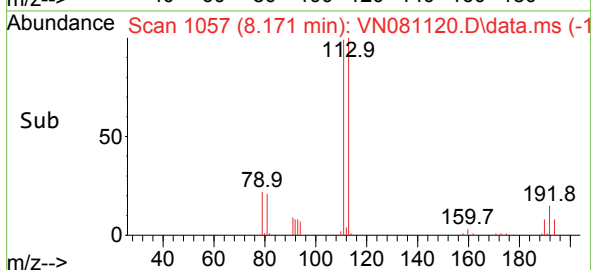
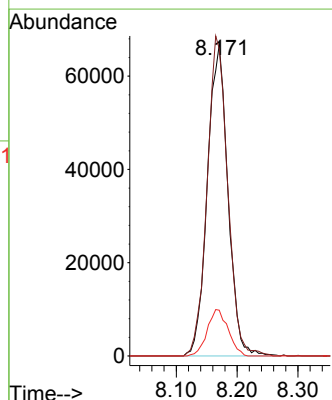
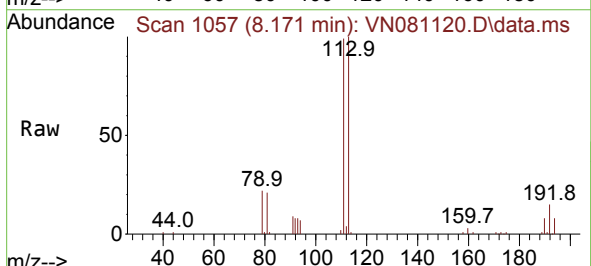
Tgt Ion:113 Resp: 156888

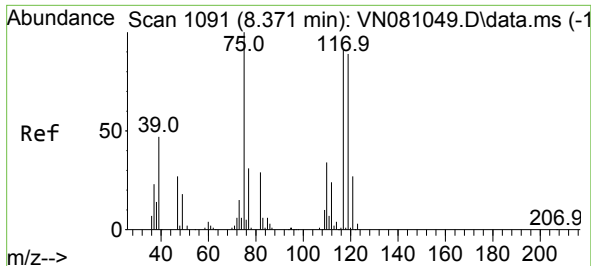
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

192 15.2 12.5 18.7

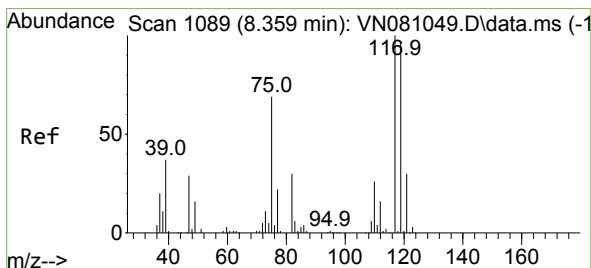
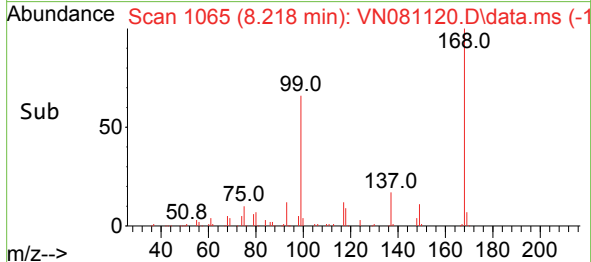
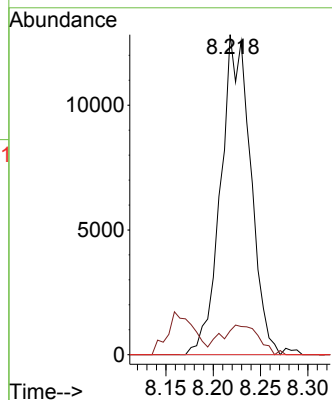
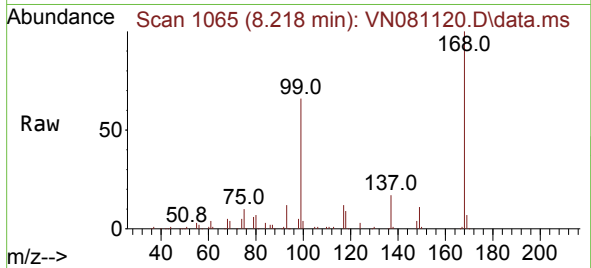




#36
 1,1-Dichloropropene
 Concen: 4.740 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.153 min
 Lab File: VN081120.D
 Acq: 21 Feb 2024 15:10

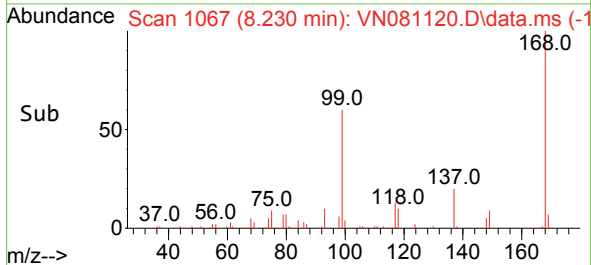
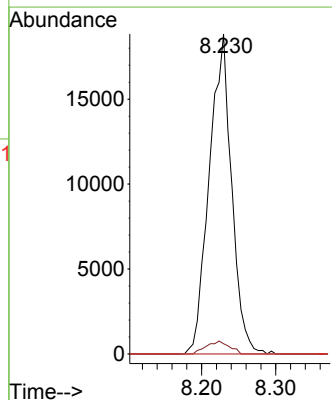
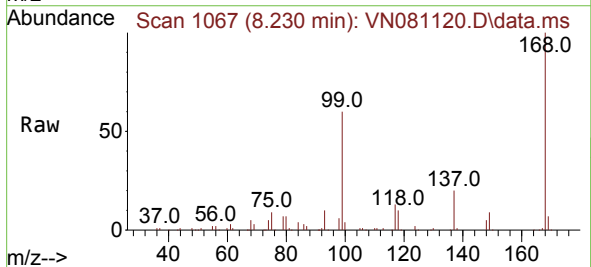
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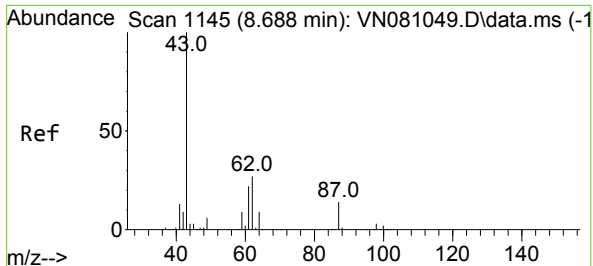
Tgt Ion: 75 Resp: 28147
 Ion Ratio Lower Upper
 75 100
 110 11.6 16.0 48.0#
 77 0.0 25.8 38.6#



#38
 Carbon Tetrachloride
 Concen: 6.572 ug/l
 RT: 8.230 min Scan# 1067
 Delta R.T. -0.130 min
 Lab File: VN081120.D
 Acq: 21 Feb 2024 15:10

Tgt Ion: 117 Resp: 39487
 Ion Ratio Lower Upper
 117 100
 119 3.2 73.4 110.2#
 121 0.0 24.4 36.6#

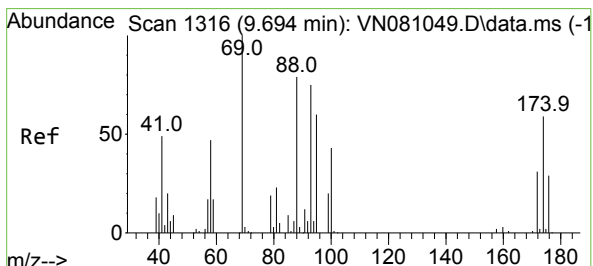
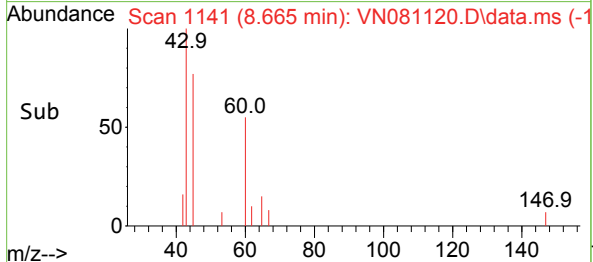
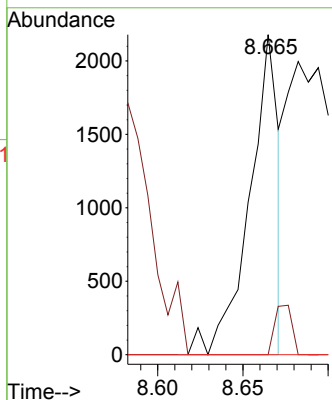
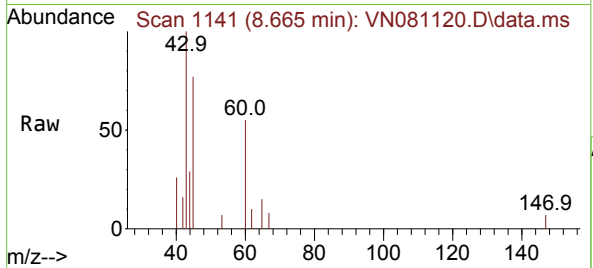




#43
Isopropyl Acetate
Concen: 0.276 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.024 min
Lab File: VN081120.D
Acq: 21 Feb 2024 15:10

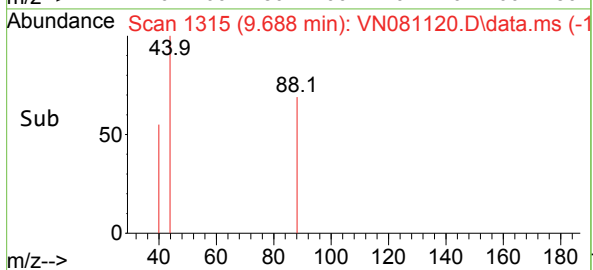
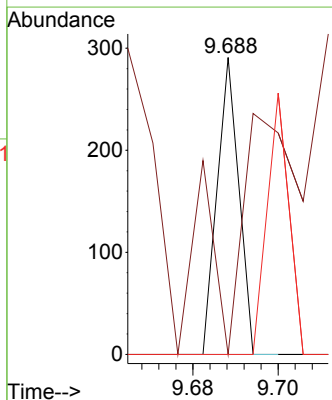
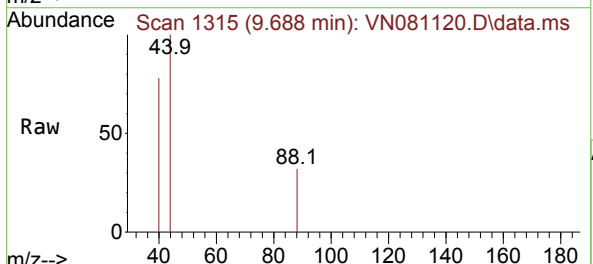
Instrument :
MSVOA_N
ClientSampleId :
1331

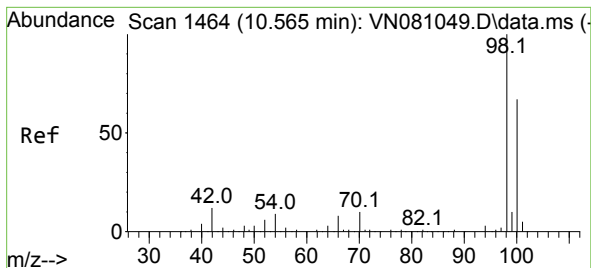
Tgt Ion: 43 Resp: 2590
Ion Ratio Lower Upper
43 100
61 9.1 19.9 29.9#
87 0.0 9.0 13.6#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.688 min Scan# 1315
Delta R.T. -0.006 min
Lab File: VN081120.D
Acq: 21 Feb 2024 15:10

Tgt Ion: 88 Resp: 103
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 63.9 95.9#





#50

Toluene-d8

Concen: 42.702 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081120.D

Acq: 21 Feb 2024 15:10

Instrument :

MSVOA_N

ClientSampleId :

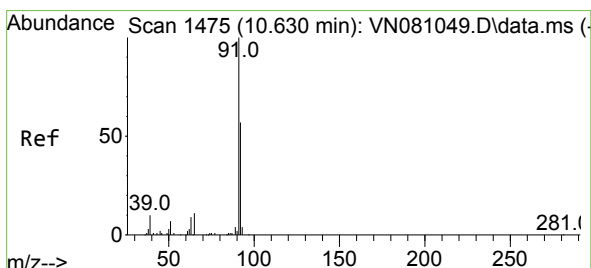
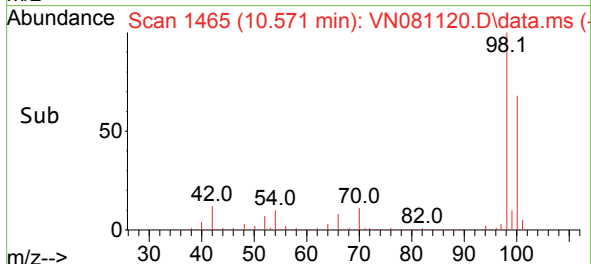
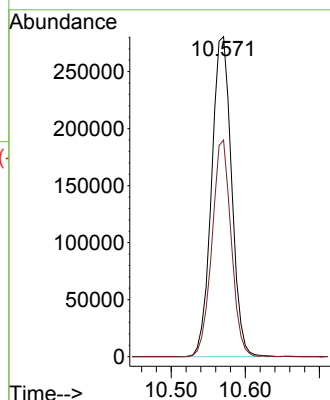
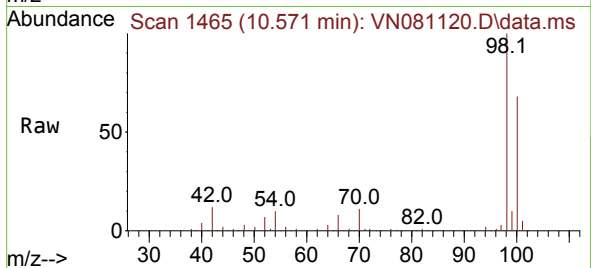
1331

Tgt Ion: 98 Resp: 525728

Ion Ratio Lower Upper

98 100

100 65.1 51.4 77.0



#52

Toluene

Concen: 0.280 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VN081120.D

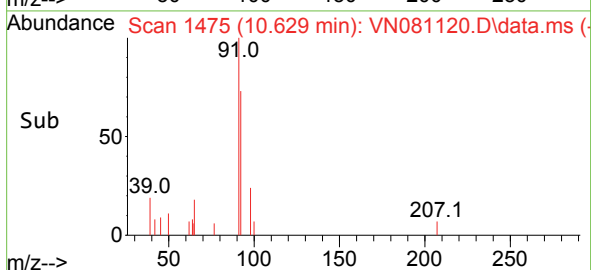
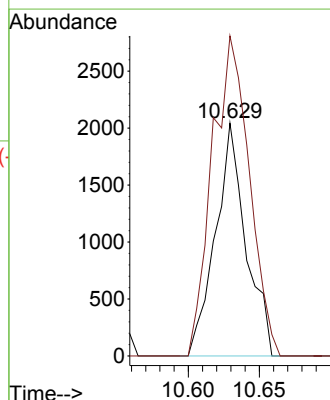
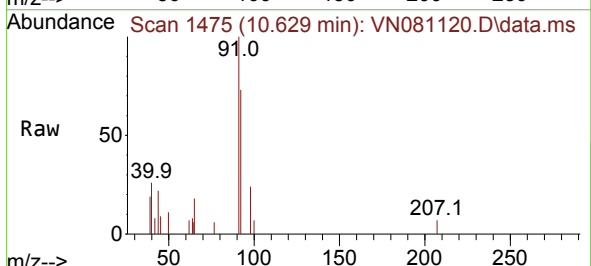
Acq: 21 Feb 2024 15:10

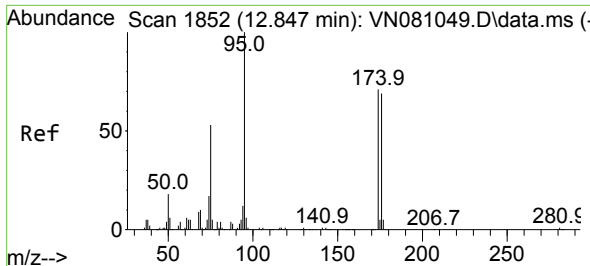
Tgt Ion: 92 Resp: 3042

Ion Ratio Lower Upper

92 100

91 167.8 139.4 209.0

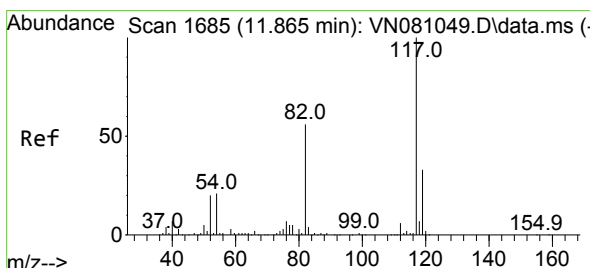
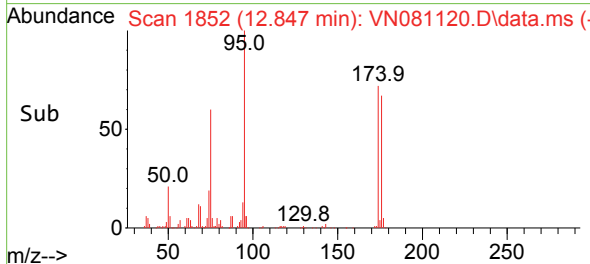
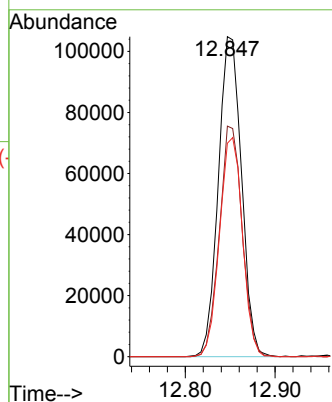
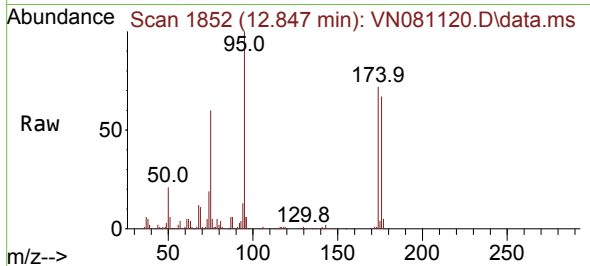




#62
4-Bromofluorobenzene
Concen: 40.654 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN081120.D
Acq: 21 Feb 2024 15:10

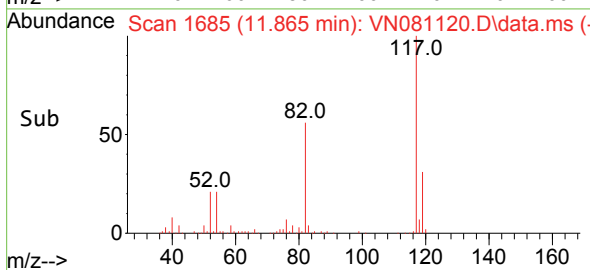
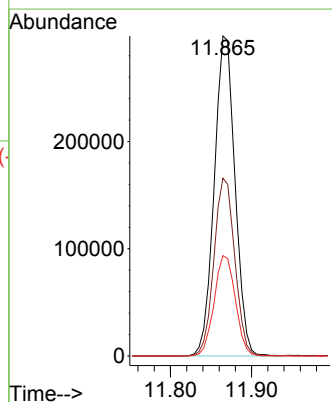
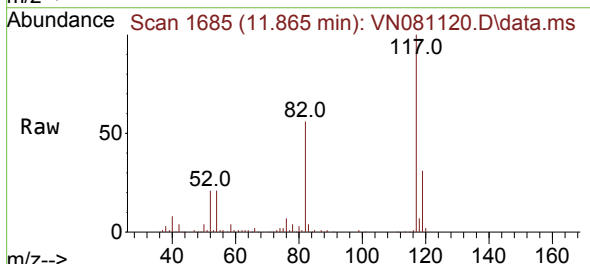
Instrument :
MSVOA_N
ClientSampleId :
1331

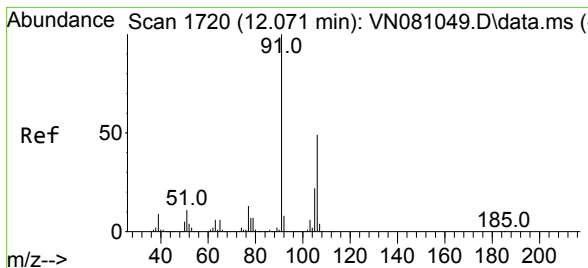
Tgt Ion: 95 Resp: 188073
Ion Ratio Lower Upper
95 100
174 70.9 0.0 120.4
176 67.7 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081120.D
Acq: 21 Feb 2024 15:10

Tgt Ion: 117 Resp: 531754
Ion Ratio Lower Upper
117 100
82 55.5 52.7 79.1
119 31.3 25.3 37.9

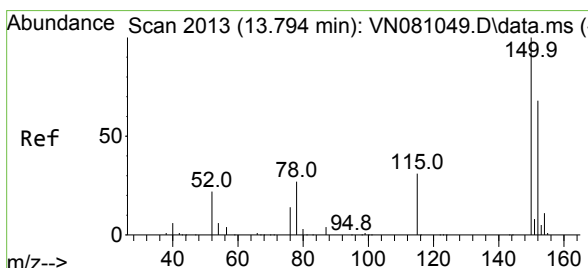
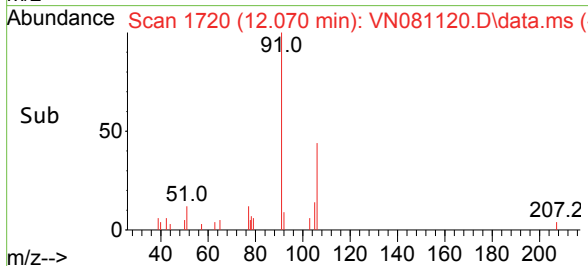
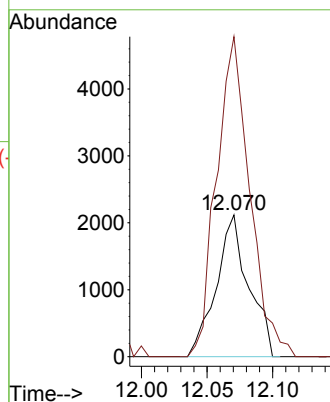
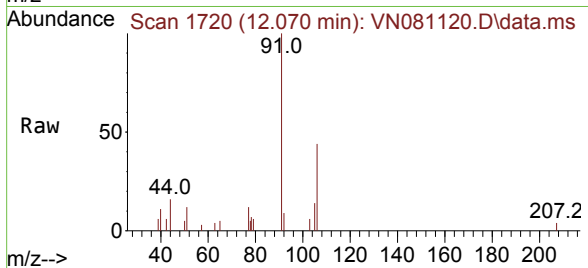




#68
m/p-Xylenes
Concen: 0.462 ug/l
RT: 12.070 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081120.D
Acq: 21 Feb 2024 15:10

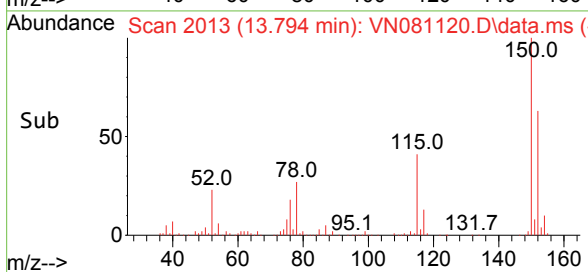
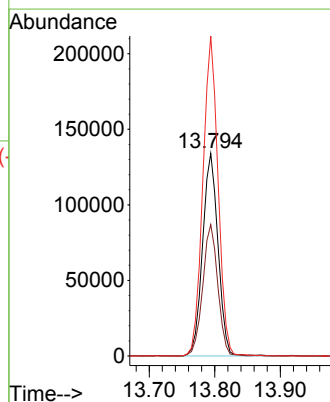
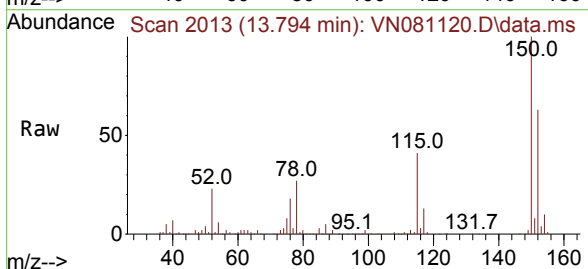
Instrument :
MSVOA_N
ClientSampleId :
1331

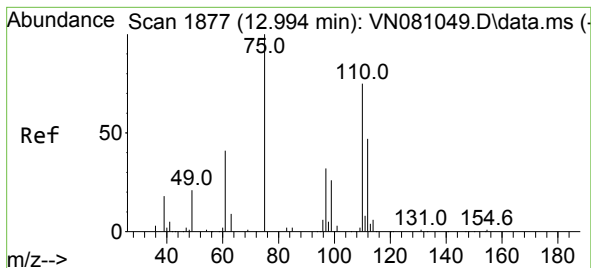
Tgt Ion:106 Resp: 3648
Ion Ratio Lower Upper
106 100
91 231.3 169.0 253.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081120.D
Acq: 21 Feb 2024 15:10

Tgt Ion:152 Resp: 219839
Ion Ratio Lower Upper
152 100
115 63.4 32.3 96.8
150 155.3 0.0 339.8





#76

1,2,3-Trichloropropane

Concen: 20.941 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081120.D

Acq: 21 Feb 2024 15:10

Instrument :

MSVOA_N

ClientSampleId :

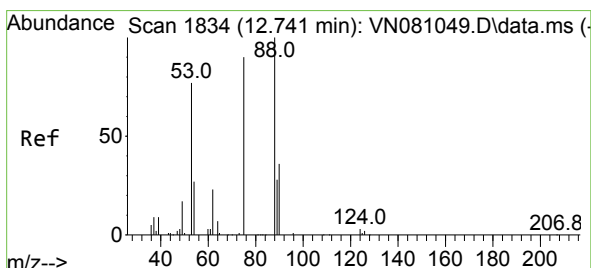
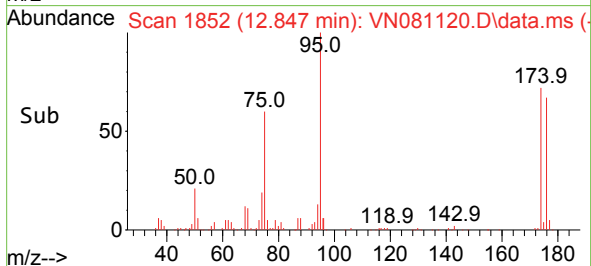
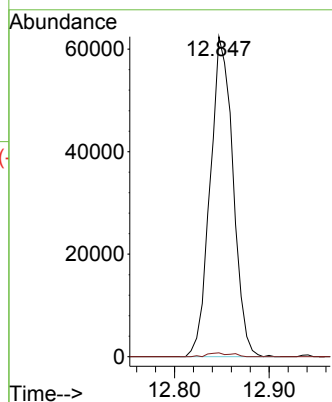
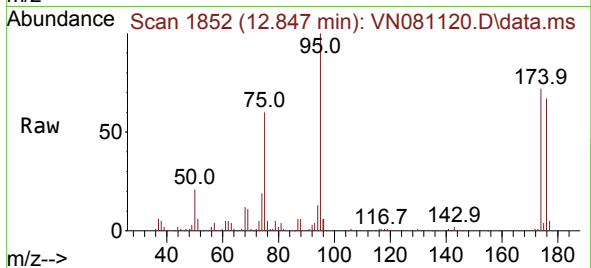
1331

Tgt Ion: 75 Resp: 104597

Ion Ratio Lower Upper

75 100

77 1.3 91.0 272.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.900 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.106 min

Lab File: VN081120.D

Acq: 21 Feb 2024 15:10

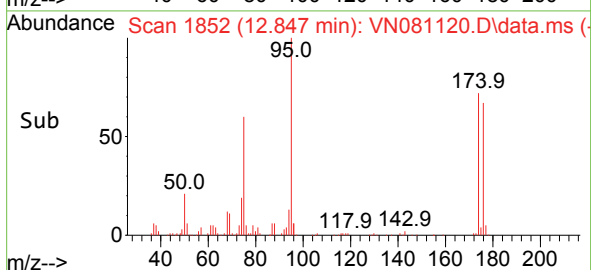
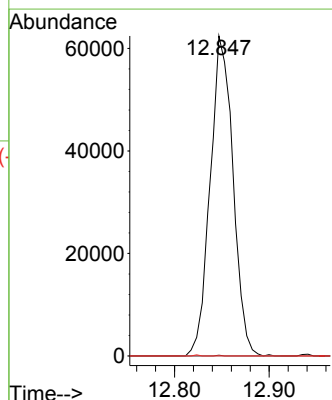
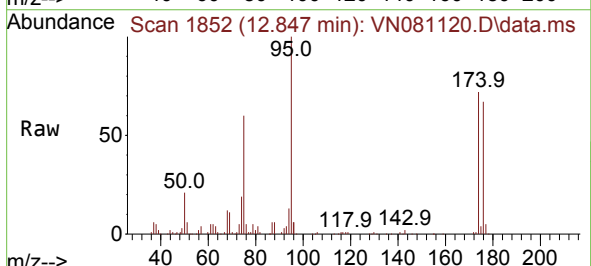
Tgt Ion: 75 Resp: 104597

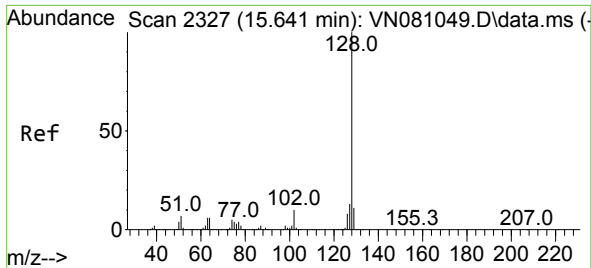
Ion Ratio Lower Upper

75 100

53 0.1 71.4 107.2#

89 0.0 33.4 50.0#





#95
 Naphthalene
 Concen: 0.219 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN081120.D
 Acq: 21 Feb 2024 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 1331

Tgt Ion:128	Resp:	3500
Ion	Ratio	Lower Upper
128	100	
127	13.2	10.0 15.0
129	14.1	8.7 13.1#

