

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072423\
 Data File : VN078632.D
 Acq On : 24 Jul 2023 12:17
 Operator : JC\MD
 Sample : VN0724WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBL01

Quant Time: Jul 25 03:10:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

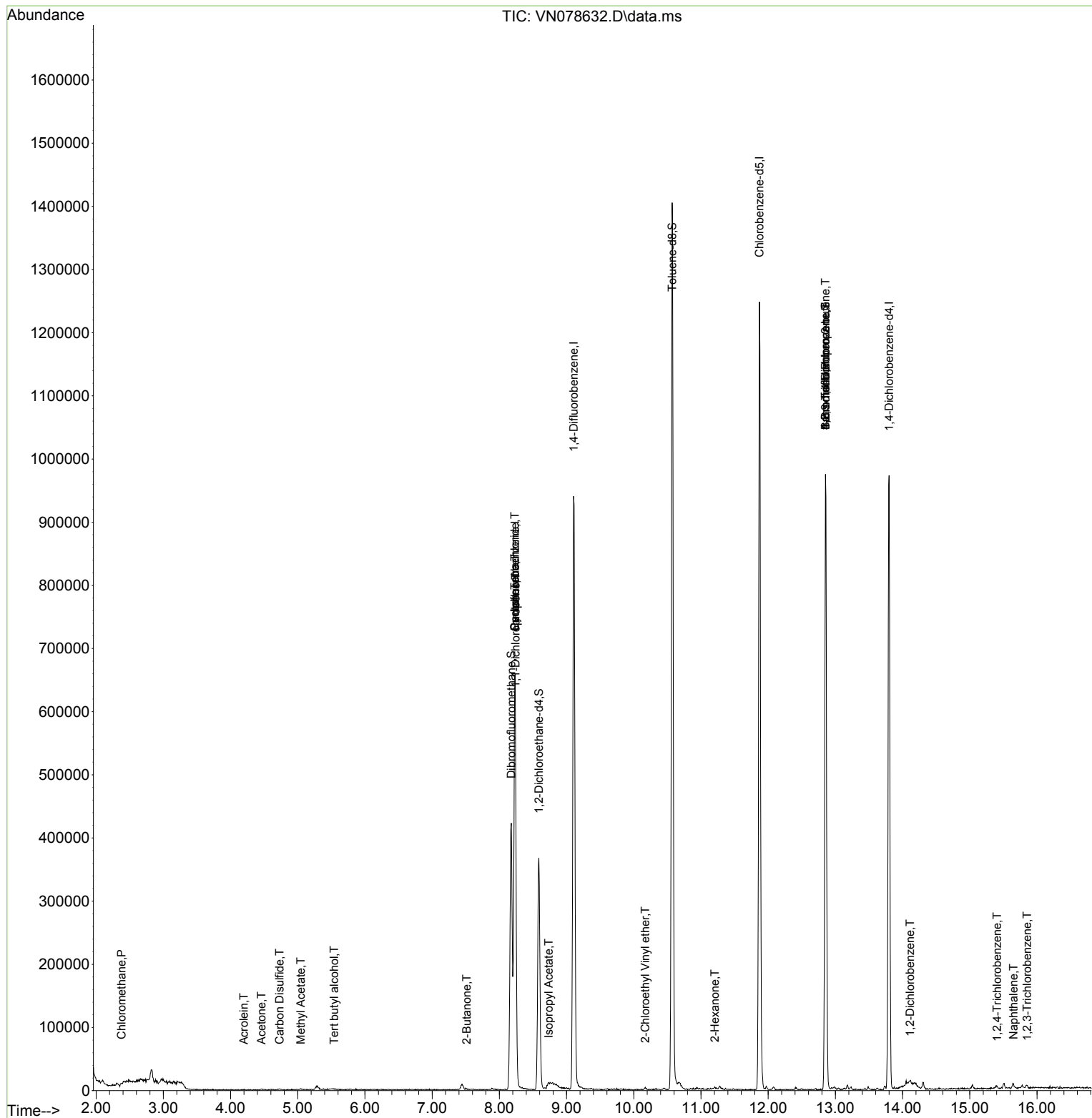
Internal Standards						
1) Pentafluorobenzene	8.235	168	510455	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	874399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	786947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	290476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	303003	44.278	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.560%
35) Dibromofluoromethane	8.177	113	309529	52.147	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.300%
50) Toluene-d8	10.571	98	1022926	45.619	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.240%
62) 4-Bromofluorobenzene	12.853	95	346054	50.103	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.200%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1960	0.288	ug/l	94
5) Bromomethane	2.983	94	4801	Below Cal	#	65
6) Chloroethane	3.124	64	1043	Below Cal	#	43
11) Tert butyl alcohol	5.542	59	498	0.472	ug/l	# 72
13) Acrolein	4.200	56	315	0.303	ug/l	# 70
16) Acetone	4.459	43	1645	0.772	ug/l	# 40
17) Carbon Disulfide	4.730	76	3557	0.228	ug/l	# 75
18) Methyl Acetate	5.047	43	1942	0.215	ug/l	# 60
20) Methylene Chloride	5.294	84	2551	Below Cal	#	79
25) 2-Butanone	7.512	43	939	0.280	ug/l	# 71
31) Cyclohexane	8.230	56	10367	1.121	ug/l	# 1
36) 1,1-Dichloropropene	8.241	75	38243	4.462	ug/l	# 50
38) Carbon Tetrachloride	8.230	117	52259	5.610	ug/l	# 17
43) Isopropyl Acetate	8.735	43	7957	0.676	ug/l	# 49
58) 2-Chloroethyl Vinyl ether	10.171	63	1244	0.403	ug/l	# 74
59) 2-Hexanone	11.206	43	2730	0.549	ug/l	63
71) Bromoform	12.853	173	2875	0.627	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.947	83	896	Below Cal		72
76) 1,2,3-Trichloropropane	12.853	75	183824	26.181	ug/l	# 1
77) Bromobenzene	12.982	156	475	Below Cal	#	7
81) trans-1,4-Dichloro-2-b...	12.853	75	183824	68.800	ug/l	# 15
90) Hexachloroethane	14.176	117	80	Below Cal	#	21
91) 1,2-Dichlorobenzene	14.112	146	2255	0.216	ug/l	67
92) 1,2-Dibromo-3-Chloropr...	14.729	75	70	Below Cal	#	34
93) 1,2,4-Trichlorobenzene	15.406	180	754	0.227	ug/l	# 20
94) Hexachlorobutadiene	15.500	225	1324	Below Cal		73
95) Naphthalene	15.653	128	5804	0.510	ug/l	# 90
96) 1,2,3-Trichlorobenzene	15.853	180	1858	0.486	ug/l	70

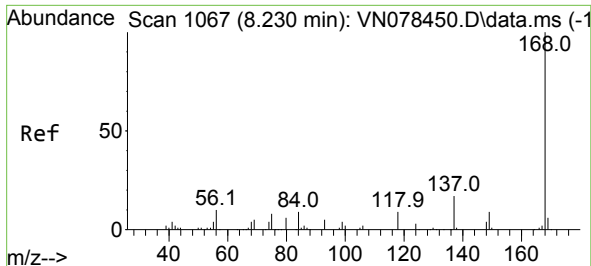
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072423\
Data File : VN078632.D
Acq On : 24 Jul 2023 12:17
Operator : JC\MD
Sample : VN0724WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBL01

Quant Time: Jul 25 03:10:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 10 16:13:53 2023
Response via : Initial Calibration

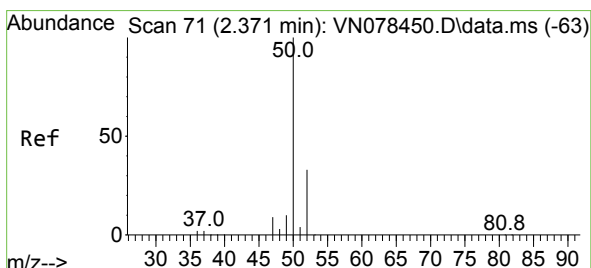
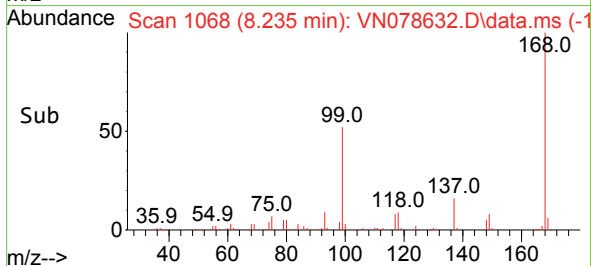
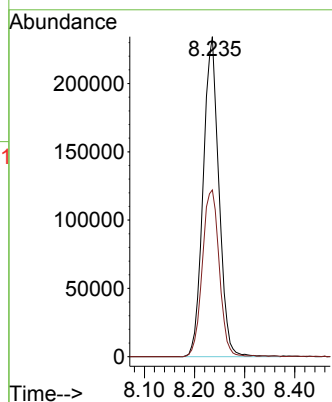
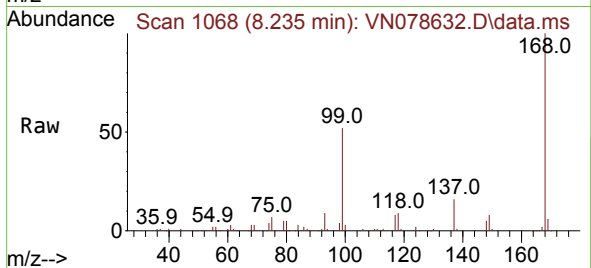




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN078632.D
Acq: 24 Jul 2023 12:17

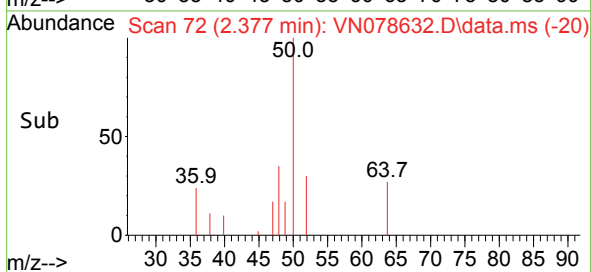
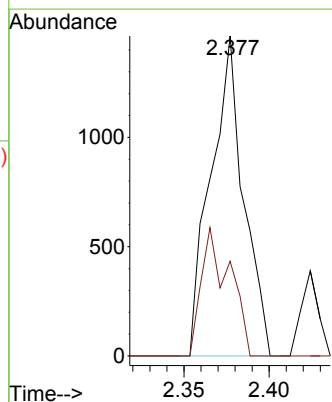
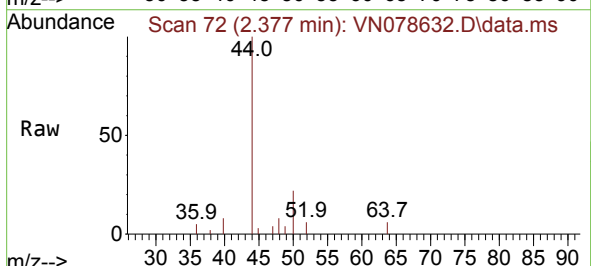
Instrument :
MSVOA_N
ClientSampleId :
VN0724WBL01

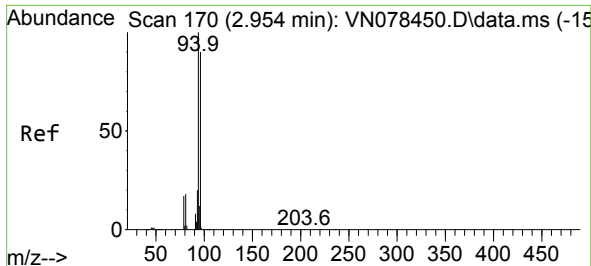
Tgt Ion:168 Resp: 510455
Ion Ratio Lower Upper
168 100
99 52.1 53.0 79.6#



#3
Chloromethane
Concen: 0.288 ug/l
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078632.D
Acq: 24 Jul 2023 12:17

Tgt Ion: 50 Resp: 1960
Ion Ratio Lower Upper
50 100
52 29.6 26.5 39.7

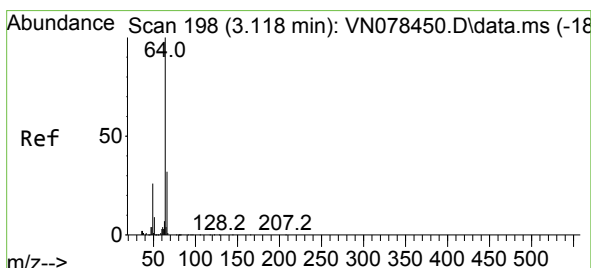
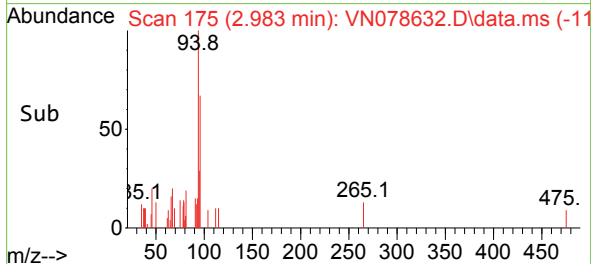
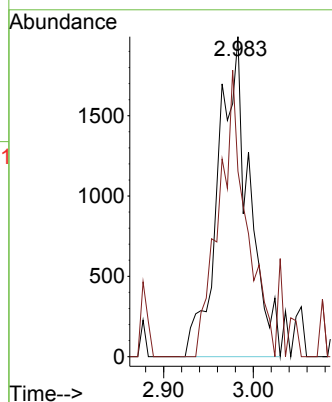
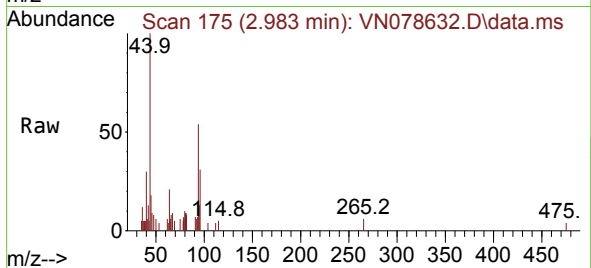




#5
Bromomethane
Concen: Below Cal
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN078632.D
Acq: 24 Jul 2023 12:17

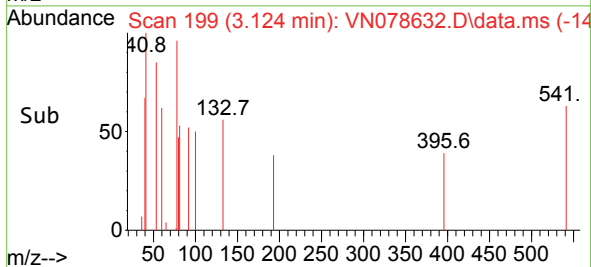
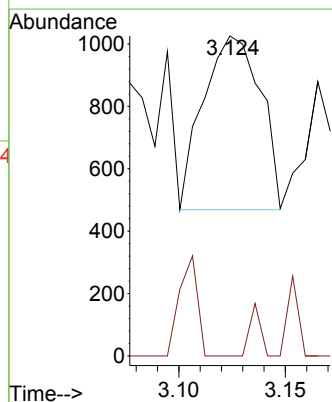
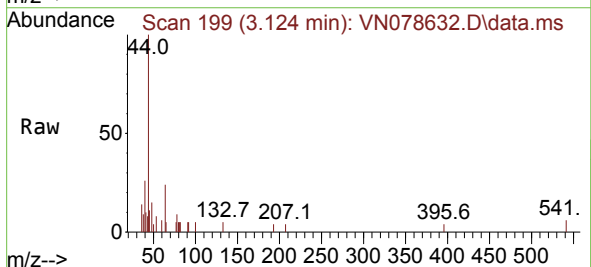
Instrument :
MSVOA_N
ClientSampleId :
VN0724WBL01

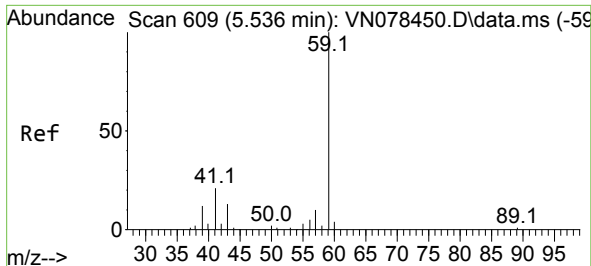
Tgt Ion: 94 Resp: 4801
Ion Ratio Lower Upper
94 100
96 57.9 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN078632.D
Acq: 24 Jul 2023 12:17

Tgt Ion: 64 Resp: 1043
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

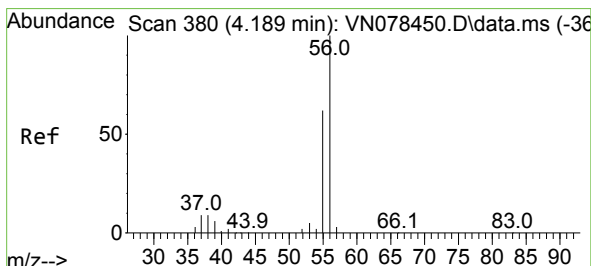
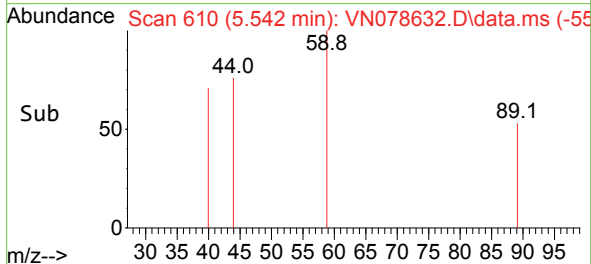
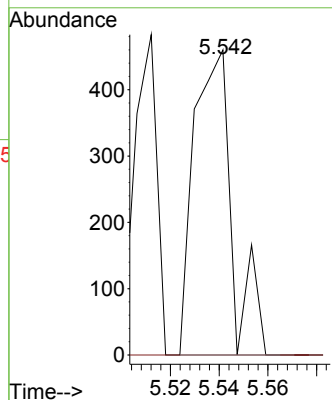
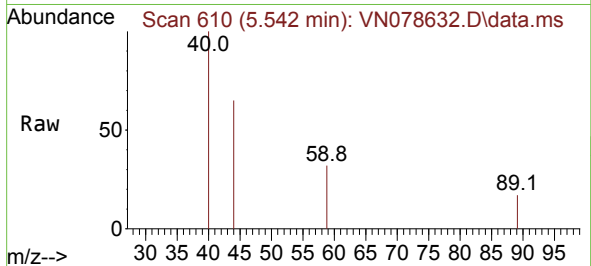




#11
Tert butyl alcohol
Concen: 0.472 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN078632.D
Acq: 24 Jul 2023 12:17

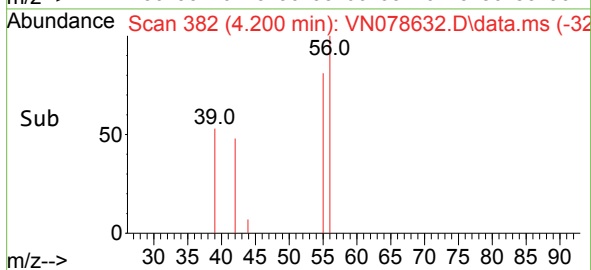
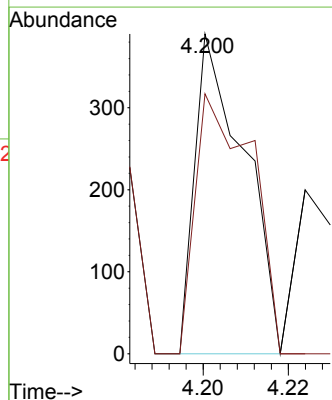
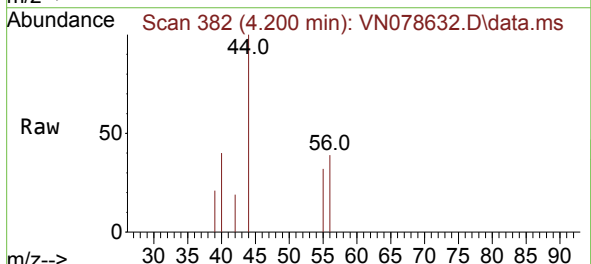
Instrument :
MSVOA_N
ClientSampleId :
VN0724WBL01

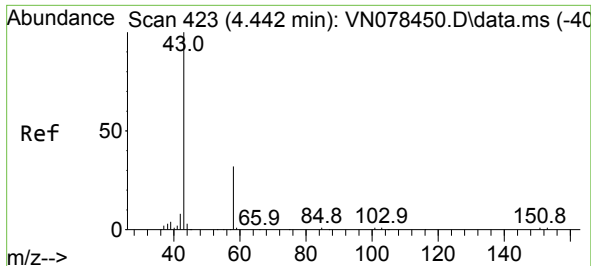
Tgt Ion: 59 Resp: 498
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.303 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.011 min
Lab File: VN078632.D
Acq: 24 Jul 2023 12:17

Tgt Ion: 56 Resp: 315
Ion Ratio Lower Upper
56 100
55 92.7 54.5 81.7#

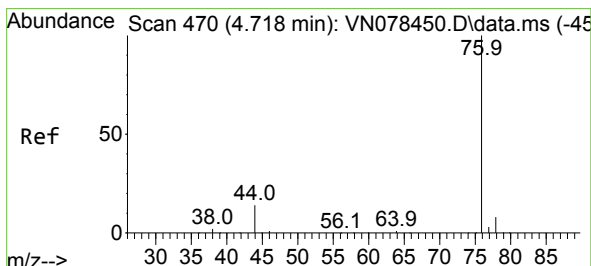
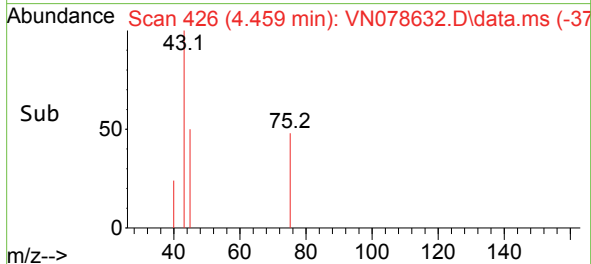
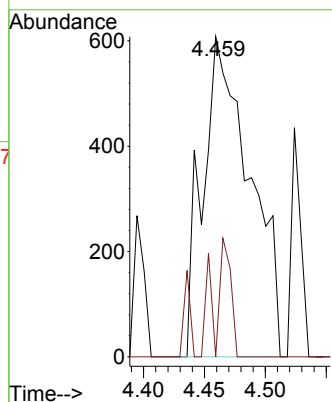
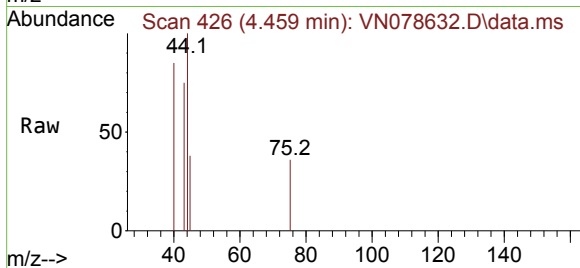




#16
Acetone
Concen: 0.772 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN078632.D
Acq: 24 Jul 2023 12:17

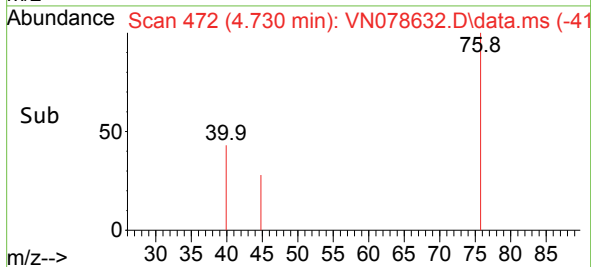
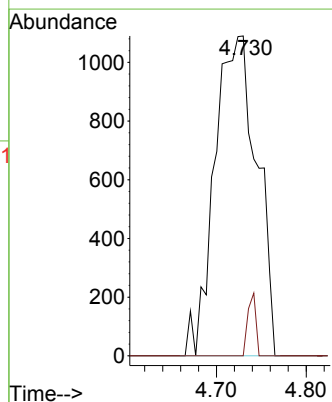
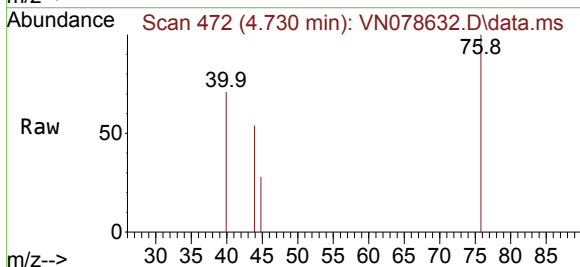
Instrument :
MSVOA_N
ClientSampleId :
VN0724WBL01

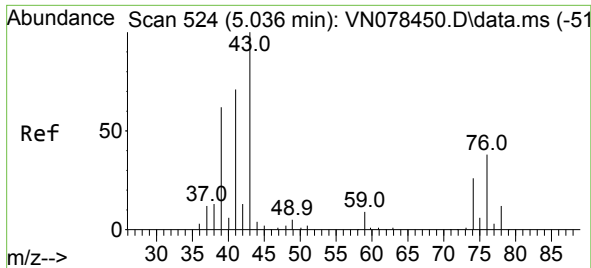
Tgt Ion: 43 Resp: 1645
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#17
Carbon Disulfide
Concen: 0.228 ug/l
RT: 4.730 min Scan# 472
Delta R.T. 0.012 min
Lab File: VN078632.D
Acq: 24 Jul 2023 12:17

Tgt Ion: 76 Resp: 3557
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

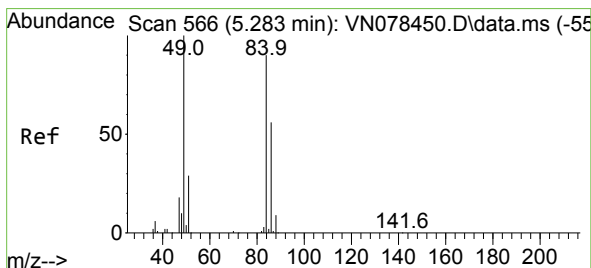
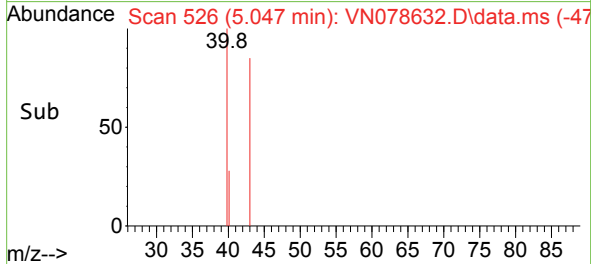
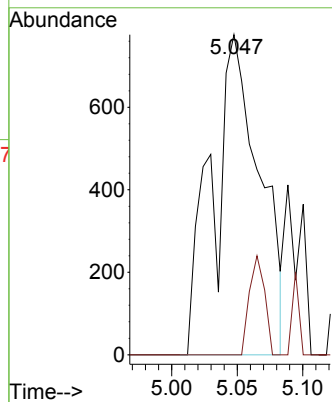
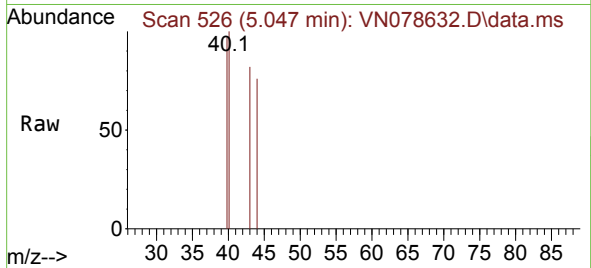




#18
Methyl Acetate
Concen: 0.215 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN078632.D
Acq: 24 Jul 2023 12:17

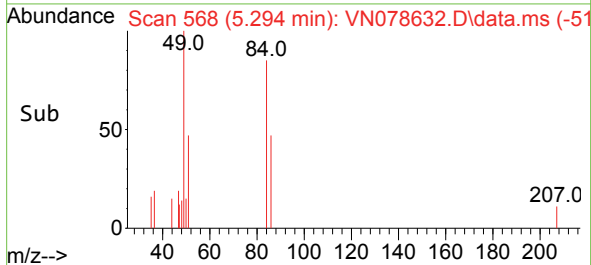
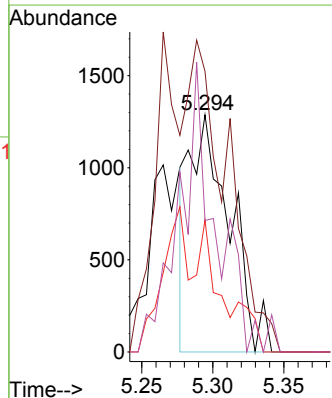
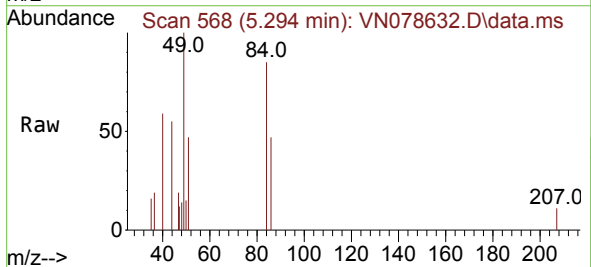
Instrument :
MSVOA_N
ClientSampleId :
VN0724WBL01

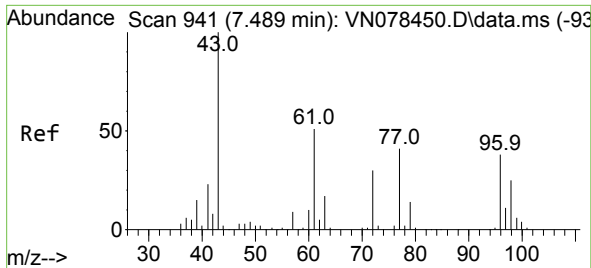
Tgt Ion: 43 Resp: 1942
Ion Ratio Lower Upper
43 100
74 10.0 26.2 39.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.294 min Scan# 568
Delta R.T. 0.011 min
Lab File: VN078632.D
Acq: 24 Jul 2023 12:17

Tgt Ion: 84 Resp: 2551
Ion Ratio Lower Upper
84 100
49 118.3 79.7 119.5
51 55.6 25.2 37.8#
86 55.5 53.3 79.9

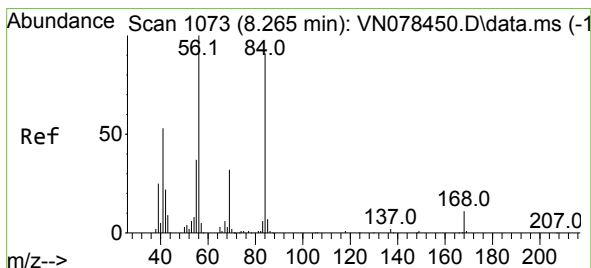
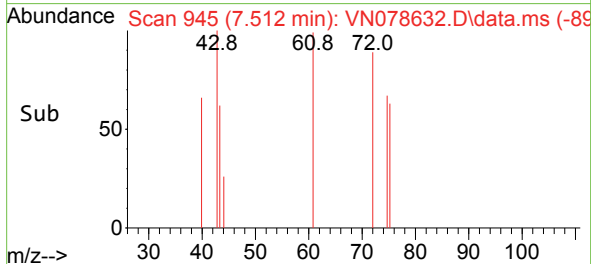
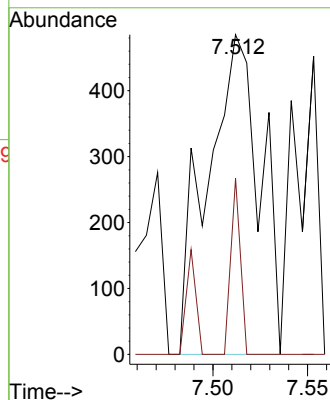
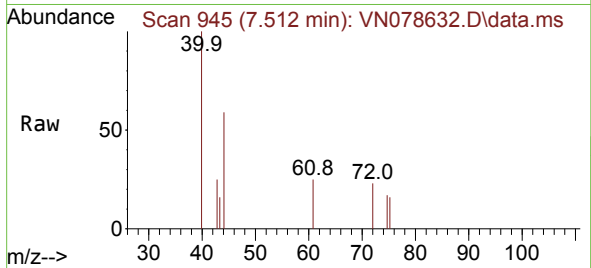




#25
2-Butanone
Concen: 0.280 ug/l
RT: 7.512 min Scan# 941
Delta R.T. 0.023 min
Lab File: VN078632.D
Acq: 24 Jul 2023 12:17

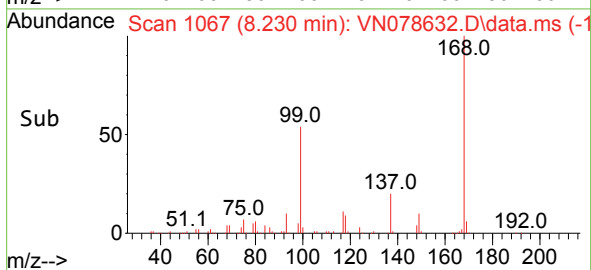
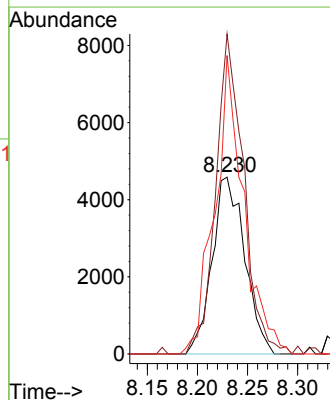
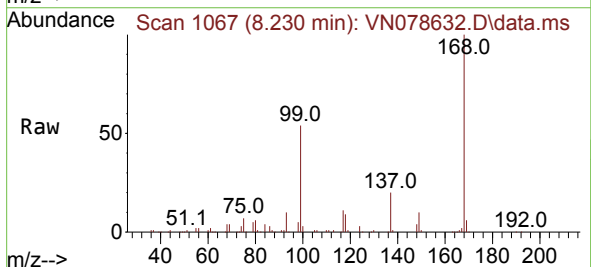
Instrument :
MSVOA_N
ClientSampleId :
VN0724WBL01

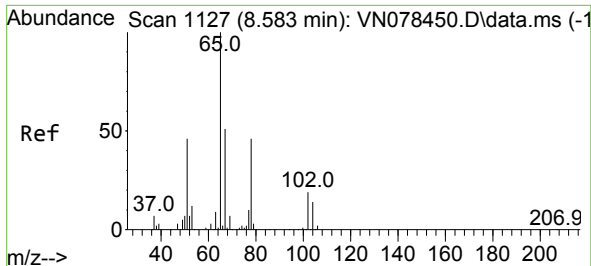
Tgt Ion: 43 Resp: 939
Ion Ratio Lower Upper
43 100
72 55.1 30.2 45.2#



#31
Cyclohexane
Concen: 1.121 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078632.D
Acq: 24 Jul 2023 12:17

Tgt Ion: 56 Resp: 10367
Ion Ratio Lower Upper
56 100
69 180.9 26.8 40.2#
84 168.7 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 44.278 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078632.D

Acq: 24 Jul 2023 12:17

Instrument :

MSVOA_N

ClientSampleId :

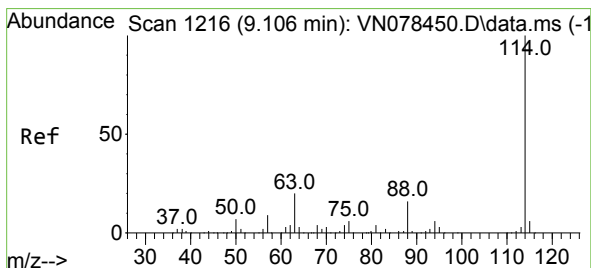
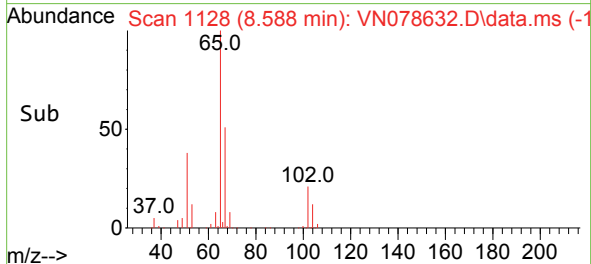
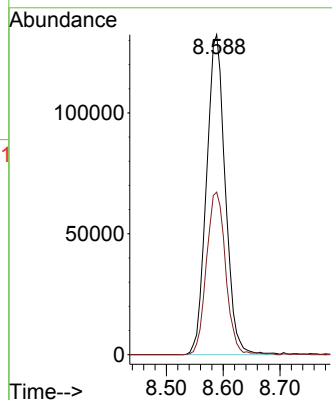
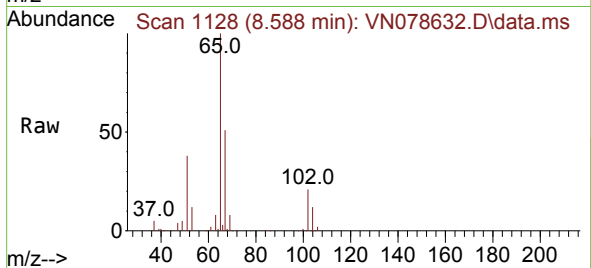
VN0724WBL01

Tgt Ion: 65 Resp: 303003

Ion Ratio Lower Upper

65 100

67 52.0 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: VN078632.D

Acq: 24 Jul 2023 12:17

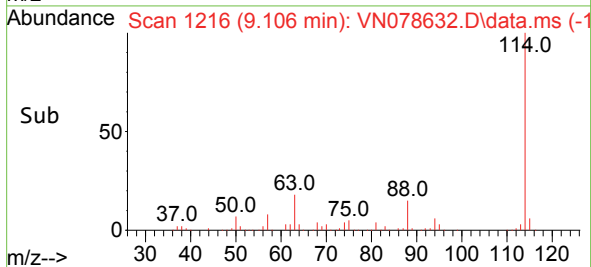
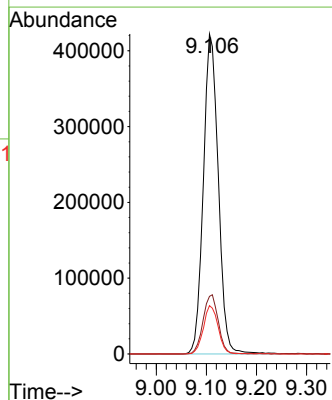
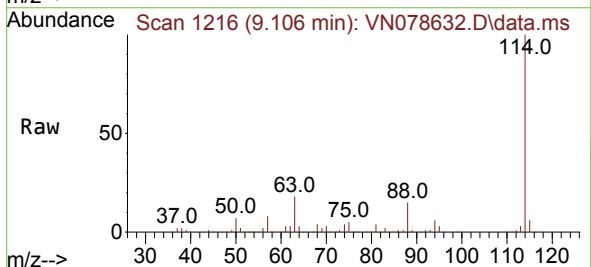
Tgt Ion: 114 Resp: 874399

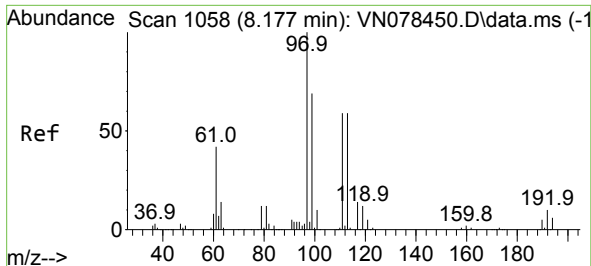
Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.4

88 15.1 0.0 30.6

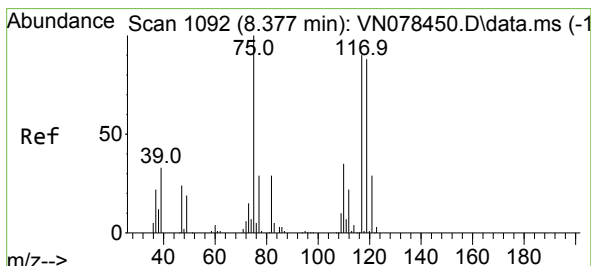
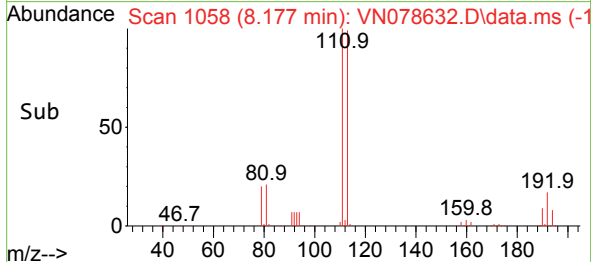
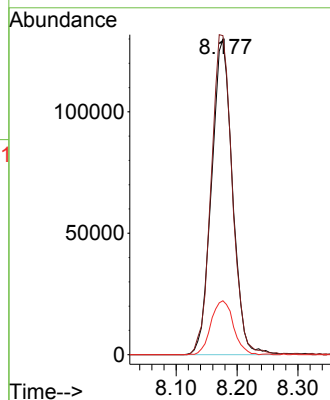
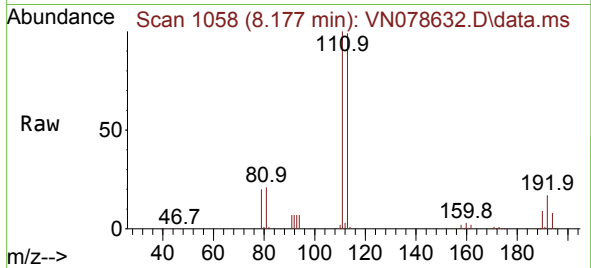




#35
Dibromofluoromethane
Concen: 52.147 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078632.D
Acq: 24 Jul 2023 12:17

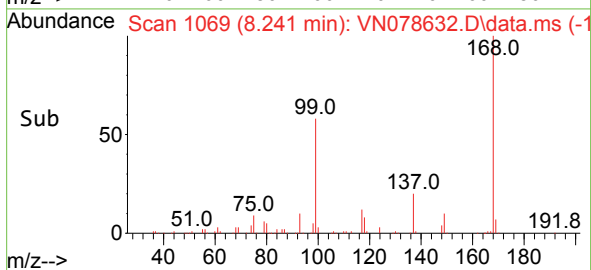
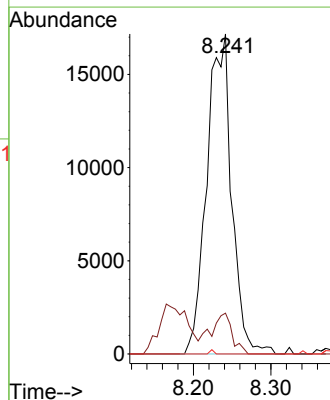
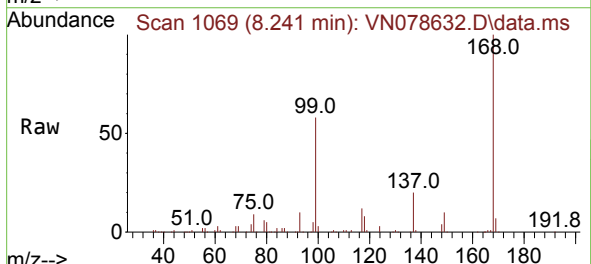
Instrument :
MSVOA_N
ClientSampleId :
VN0724WBL01

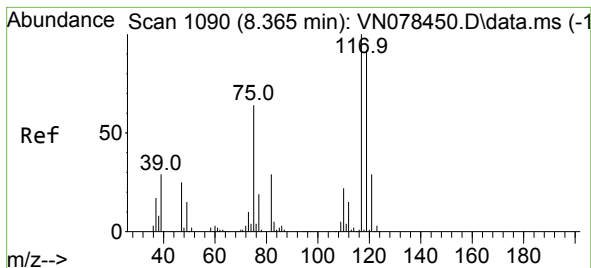
Tgt Ion:113 Resp: 309529
Ion Ratio Lower Upper
113 100
111 102.6 82.6 123.8
192 18.3 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.462 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.136 min
Lab File: VN078632.D
Acq: 24 Jul 2023 12:17

Tgt Ion: 75 Resp: 38243
Ion Ratio Lower Upper
75 100
110 11.2 19.1 57.3#
77 0.2 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.610 ug/l

RT: 8.230 min Scan# 1103

Delta R.T. -0.135 min

Lab File: VN078632.D

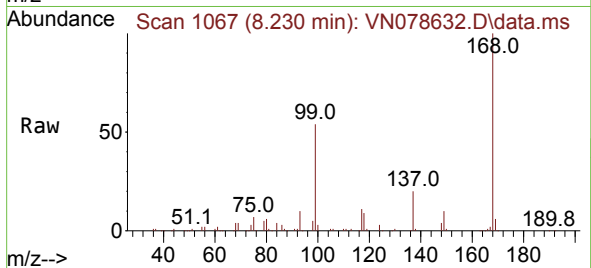
Acq: 24 Jul 2023 12:17

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBL01



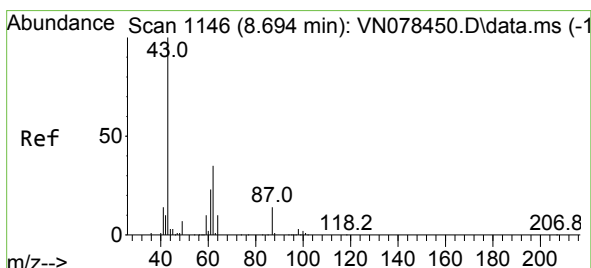
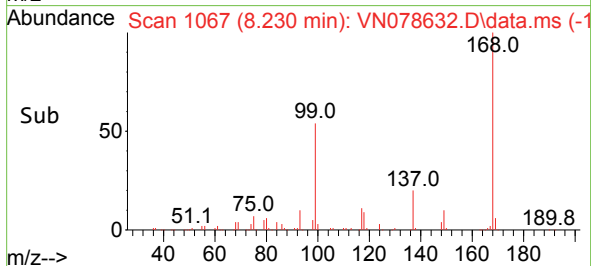
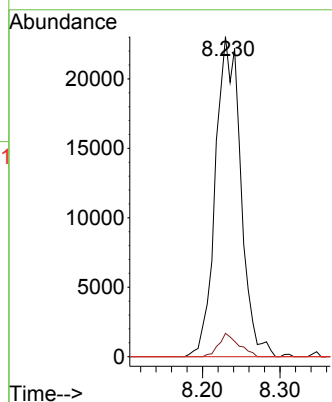
Tgt Ion:117 Resp: 52259

Ion Ratio Lower Upper

117 100

119 7.3 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 0.676 ug/l

RT: 8.735 min Scan# 1153

Delta R.T. 0.041 min

Lab File: VN078632.D

Acq: 24 Jul 2023 12:17

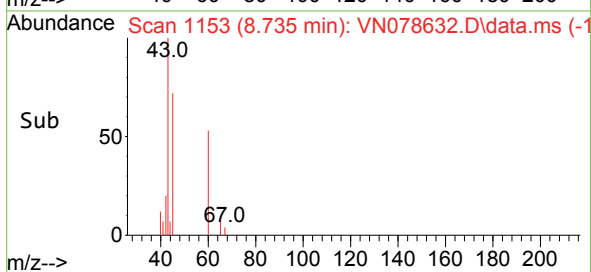
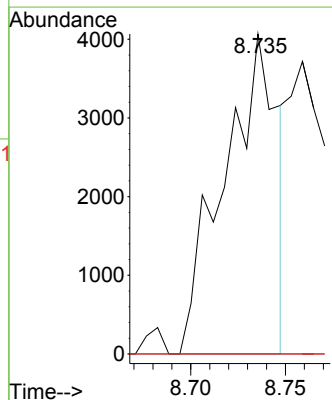
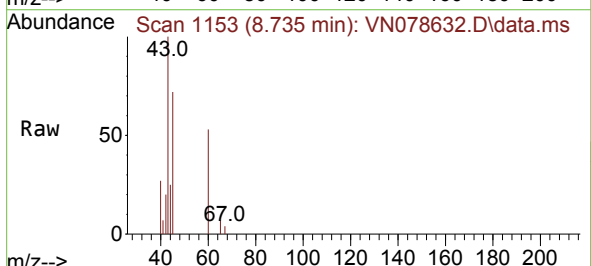
Tgt Ion: 43 Resp: 7957

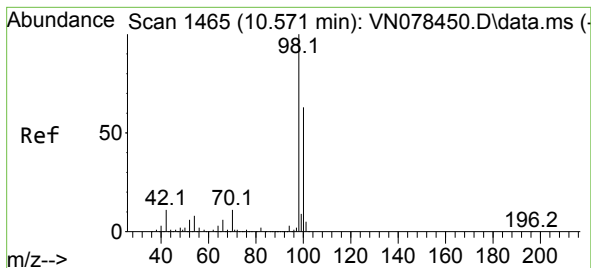
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#





#50

Toluene-d8

Concen: 45.619 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078632.D

Acq: 24 Jul 2023 12:17

Instrument :

MSVOA_N

ClientSampleId :

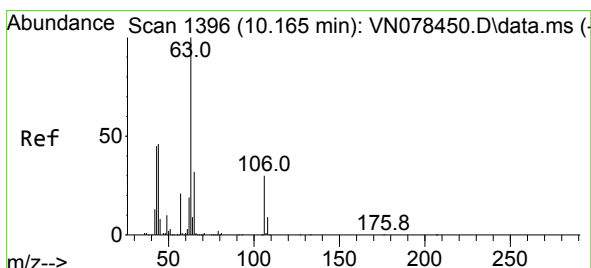
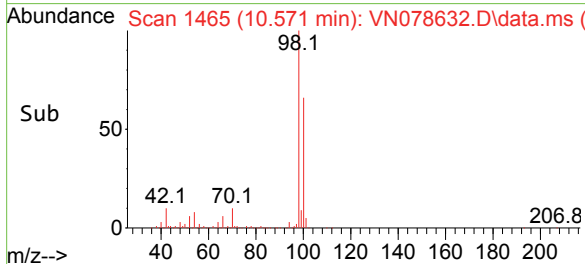
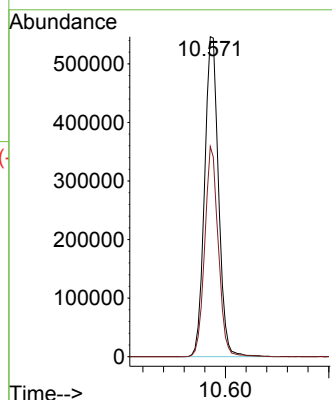
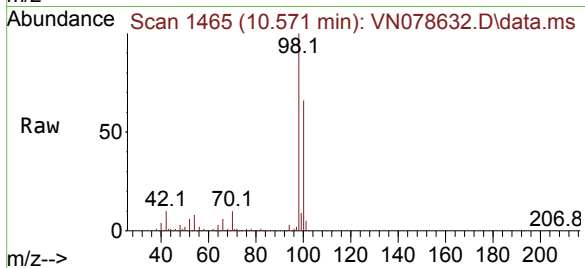
VN0724WBL01

Tgt Ion: 98 Resp: 1022926

Ion Ratio Lower Upper

98 100

100 63.8 52.0 78.0



#58

2-Chloroethyl Vinyl ether

Concen: 0.403 ug/l

RT: 10.171 min Scan# 1397

Delta R.T. 0.006 min

Lab File: VN078632.D

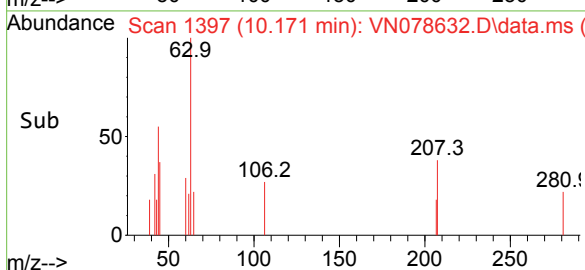
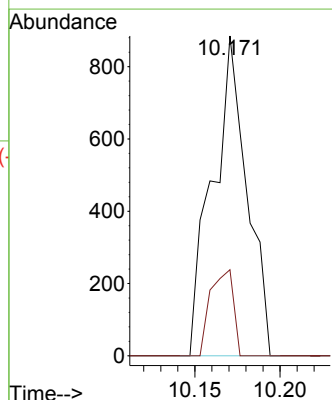
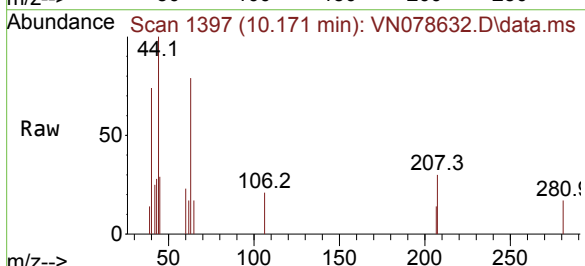
Acq: 24 Jul 2023 12:17

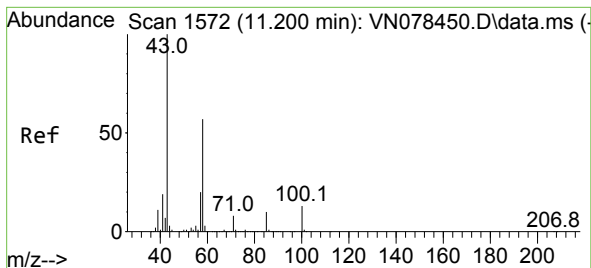
Tgt Ion: 63 Resp: 1244

Ion Ratio Lower Upper

63 100

106 18.0 26.2 39.4#

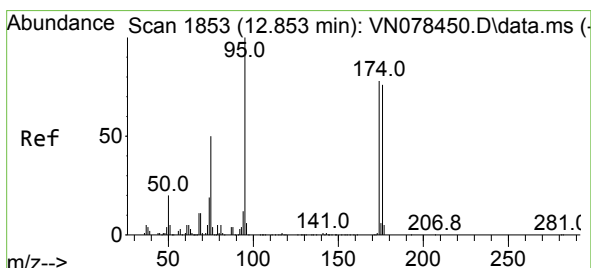
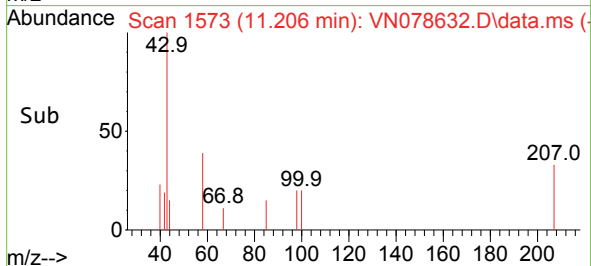
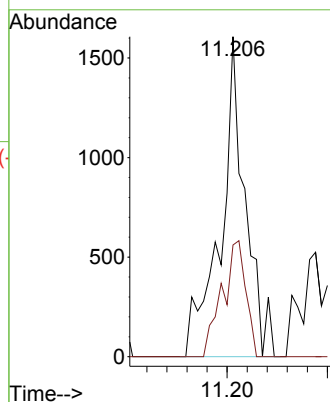
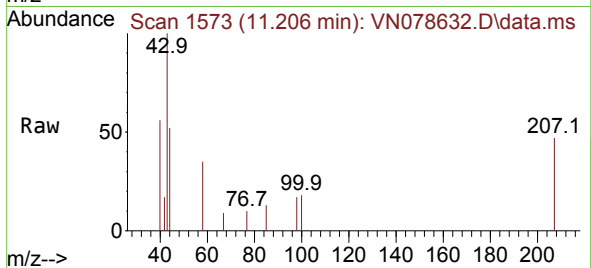




#59
2-Hexanone
Concen: 0.549 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078632.D
Acq: 24 Jul 2023 12:17

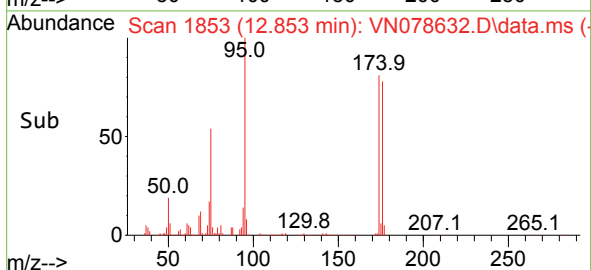
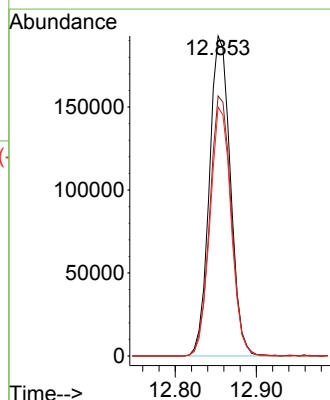
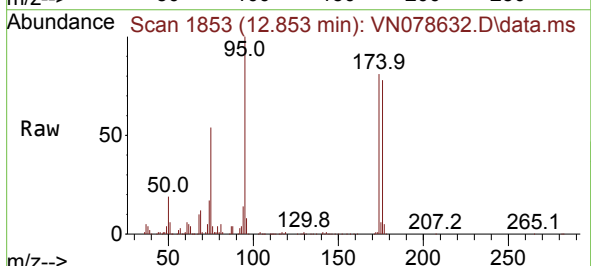
Instrument :
MSVOA_N
ClientSampleId :
VN0724WBL01

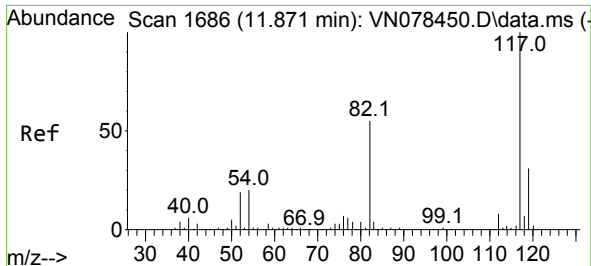
Tgt Ion: 43 Resp: 2730
Ion Ratio Lower Upper
43 100
58 34.7 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 50.103 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078632.D
Acq: 24 Jul 2023 12:17

Tgt Ion: 95 Resp: 346054
Ion Ratio Lower Upper
95 100
174 83.3 0.0 143.8
176 78.3 0.0 135.8

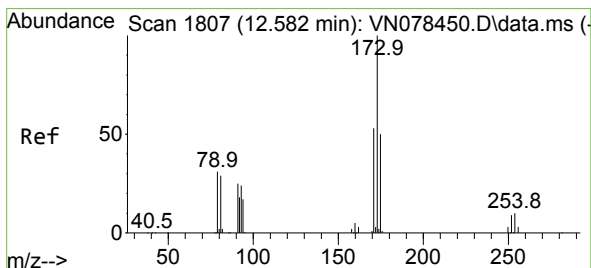
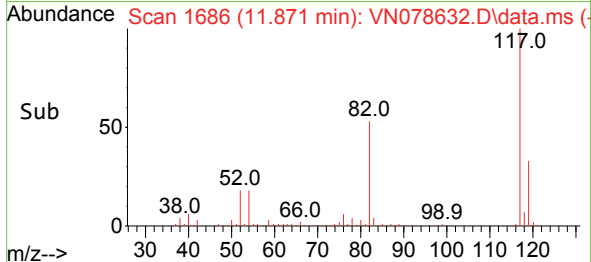
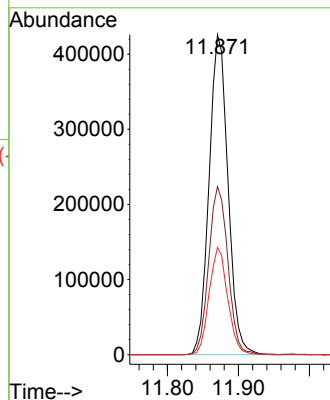
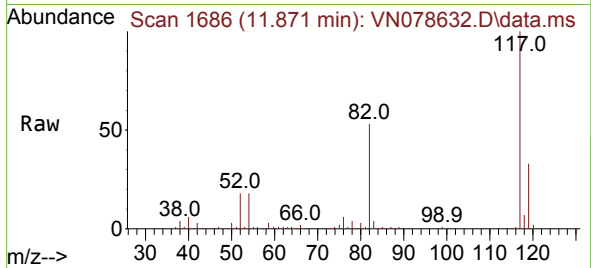




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078632.D
Acq: 24 Jul 2023 12:17

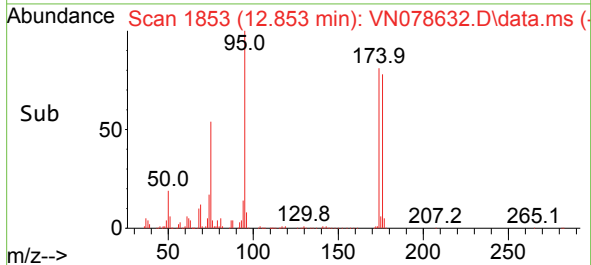
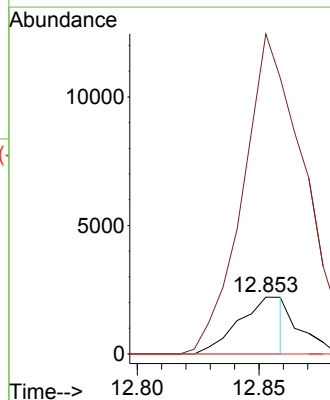
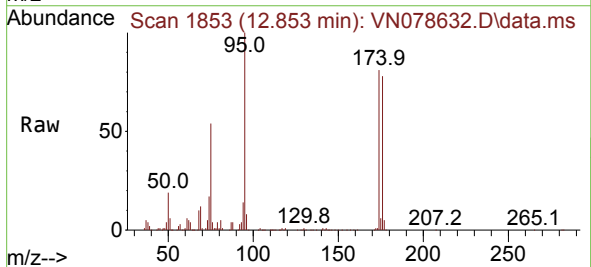
Instrument :
MSVOA_N
ClientSampleId :
VN0724WBL01

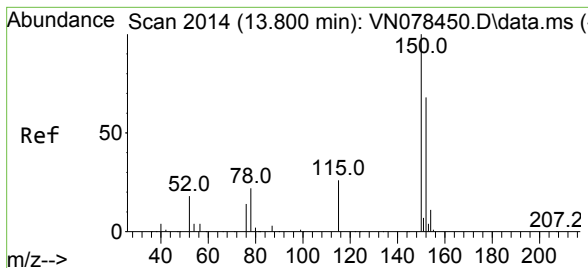
Tgt Ion:117 Resp: 786947
Ion Ratio Lower Upper
117 100
82 52.5 44.0 66.0
119 33.5 25.6 38.4



#71
Bromoform
Concen: 0.627 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN078632.D
Acq: 24 Jul 2023 12:17

Tgt Ion:173 Resp: 2875
Ion Ratio Lower Upper
173 100
175 499.7 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078632.D

Acq: 24 Jul 2023 12:17

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBL01

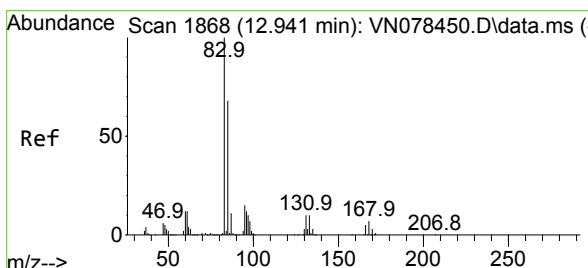
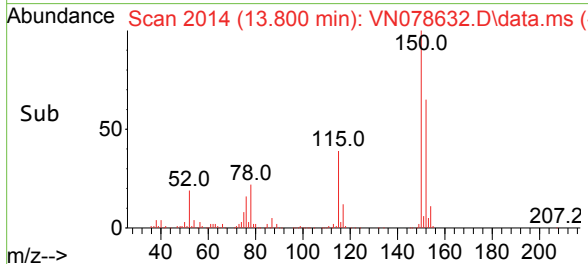
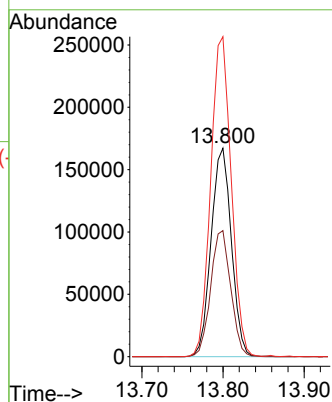
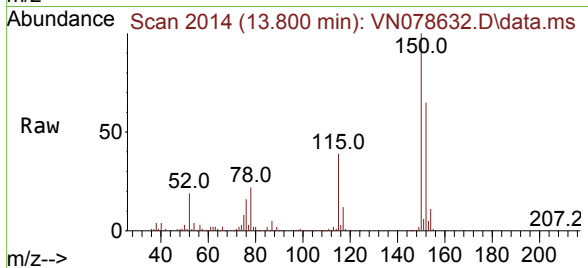
Tgt Ion:152 Resp: 290476

Ion Ratio Lower Upper

152 100

115 59.7 32.3 96.8

150 154.9 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.947 min Scan# 1869

Delta R.T. 0.006 min

Lab File: VN078632.D

Acq: 24 Jul 2023 12:17

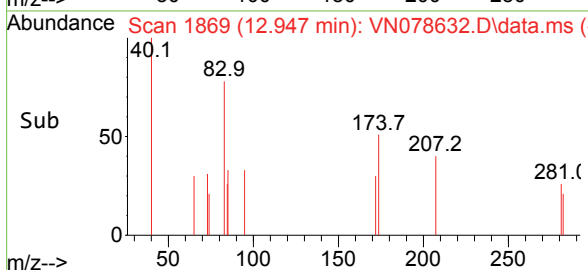
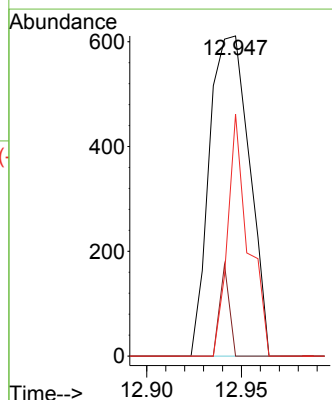
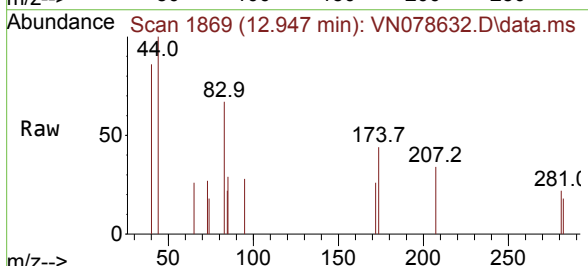
Tgt Ion: 83 Resp: 896

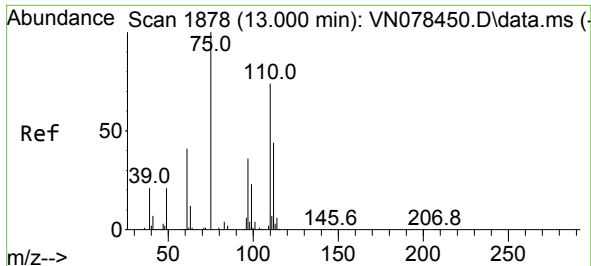
Ion Ratio Lower Upper

83 100

131 6.9 5.0 15.0

85 39.4 31.9 95.7

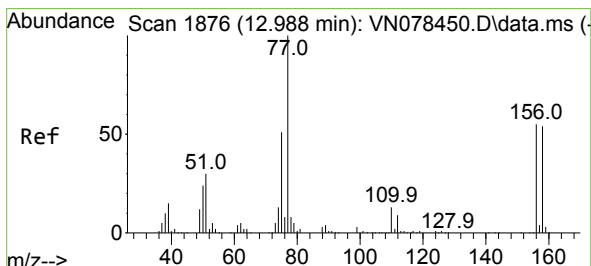
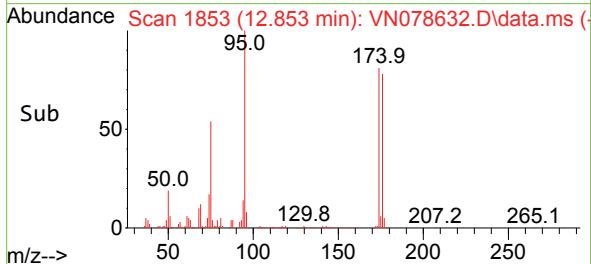
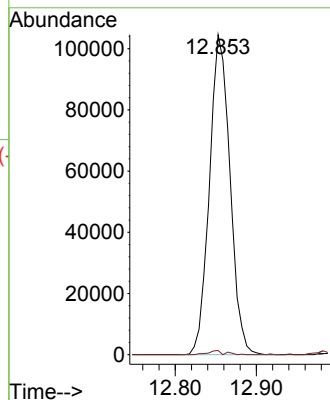
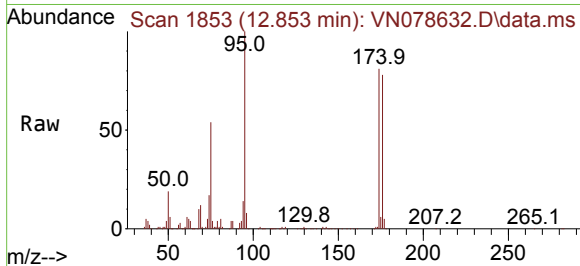




#76
1,2,3-Trichloropropane
Concen: 26.181 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078632.D
Acq: 24 Jul 2023 12:17

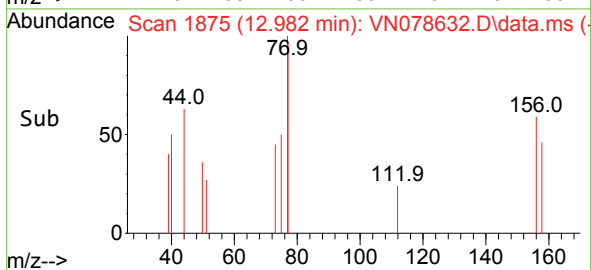
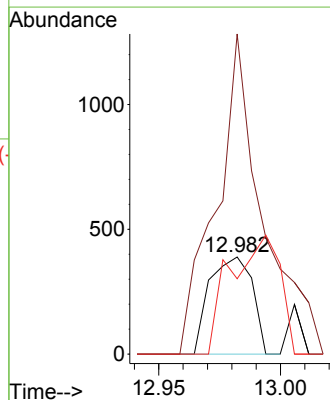
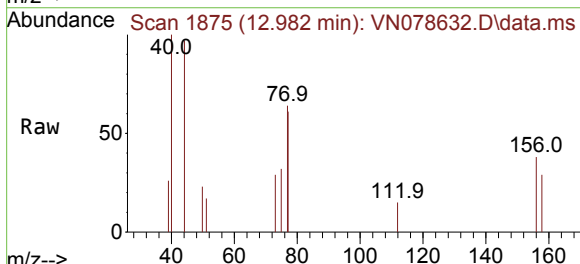
Instrument :
MSVOA_N
ClientSampleId :
VN0724WBL01

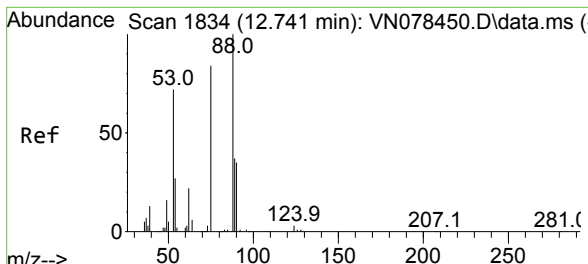
Tgt Ion: 75 Resp: 183824
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#



#77
Bromobenzene
Concen: Below Cal
RT: 12.982 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VN078632.D
Acq: 24 Jul 2023 12:17

Tgt Ion:156 Resp: 475
Ion Ratio Lower Upper
156 100
77 359.4 107.7 323.3#
158 0.0 48.4 145.3#

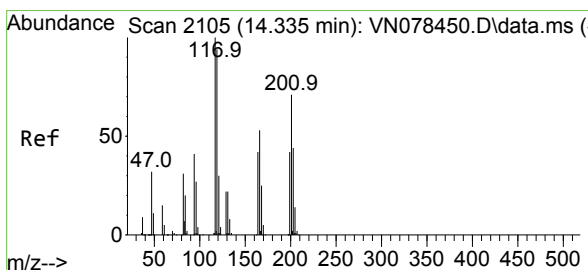
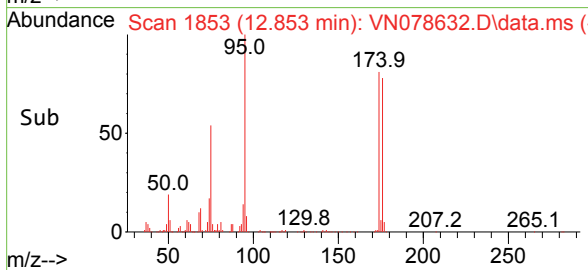
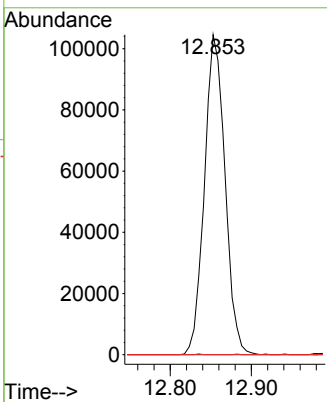
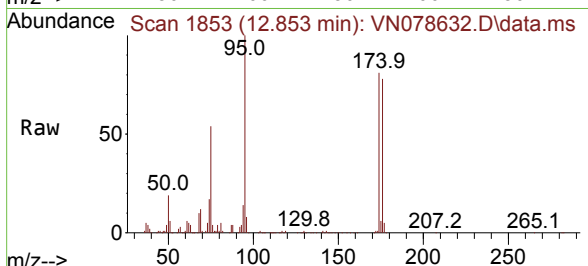




#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.800 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN078632.D
 Acq: 24 Jul 2023 12:17

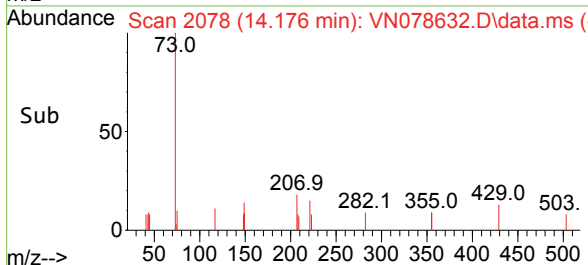
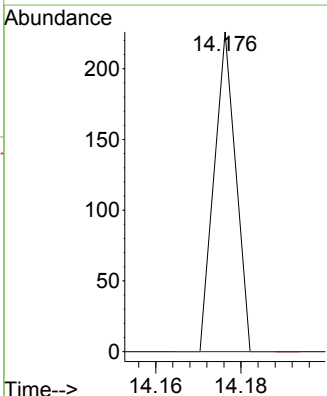
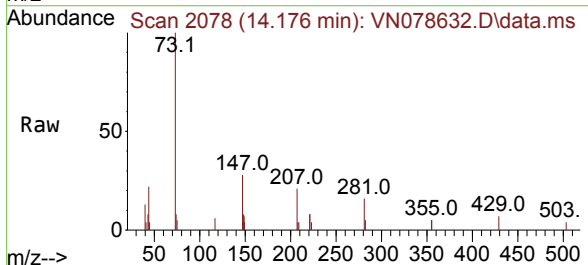
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBL01

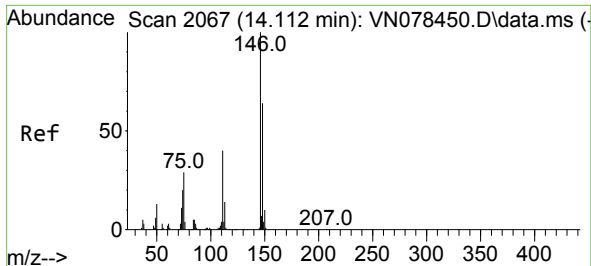
Tgt Ion:	75	Resp:	183824
Ion Ratio	Lower	Upper	
75	100		
53	0.0	67.4	101.2#
89	0.1	38.8	58.2#



#90
 Hexachloroethane
 Concen: Below Cal
 RT: 14.176 min Scan# 2078
 Delta R.T. -0.159 min
 Lab File: VN078632.D
 Acq: 24 Jul 2023 12:17

Tgt Ion:	117	Resp:	80
Ion Ratio	Lower	Upper	
117	100		
201	0.0	29.3	88.0#

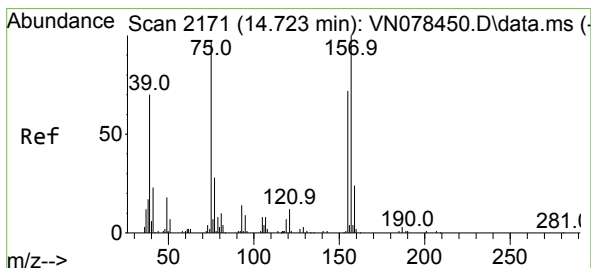
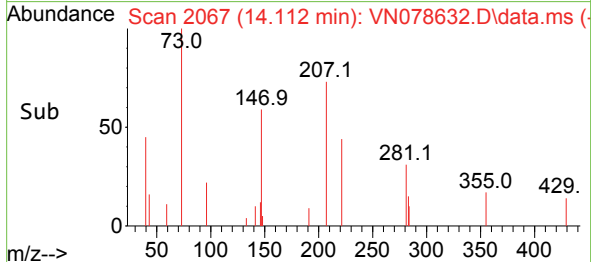
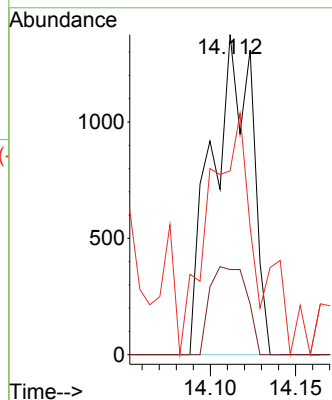
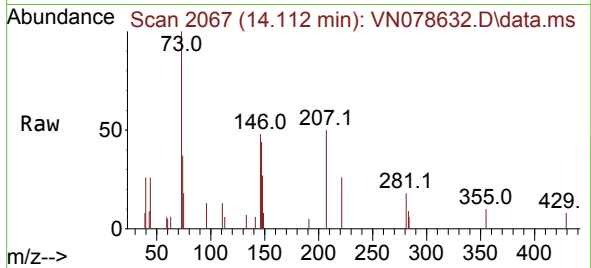




#91
1,2-Dichlorobenzene
Concen: 0.216 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. -0.000 min
Lab File: VN078632.D
Acq: 24 Jul 2023 12:17

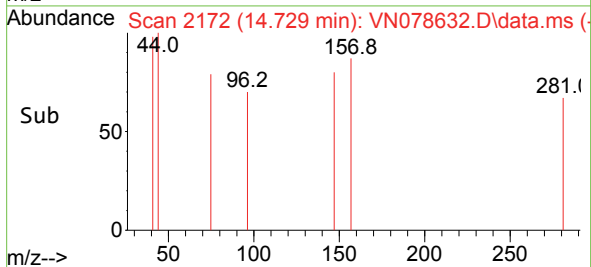
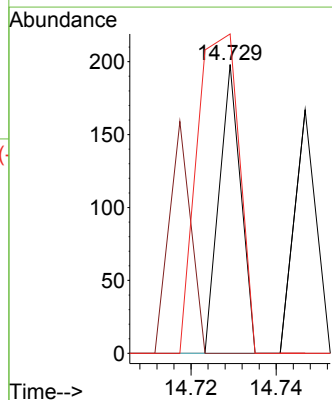
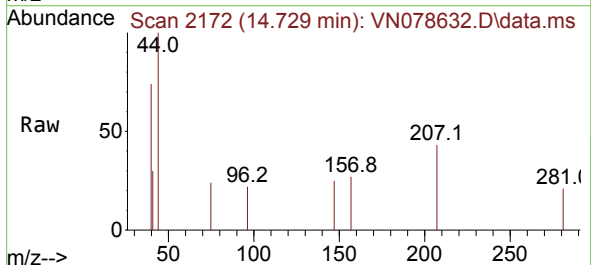
Instrument :
MSVOA_N
ClientSampleId :
VN0724WBL01

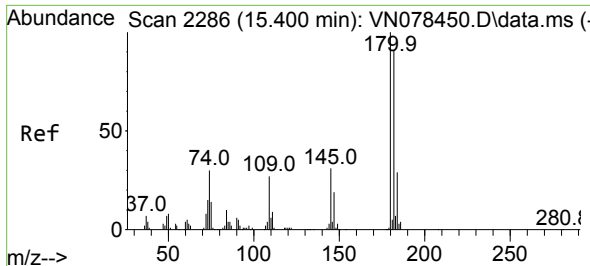
Tgt Ion:146 Resp: 2255
Ion Ratio Lower Upper
146 100
111 25.4 22.0 66.0
148 90.8 31.8 95.3



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.729 min Scan# 2172
Delta R.T. 0.006 min
Lab File: VN078632.D
Acq: 24 Jul 2023 12:17

Tgt Ion: 75 Resp: 70
Ion Ratio Lower Upper
75 100
155 80.0 39.1 117.2
157 215.7 50.3 150.9#

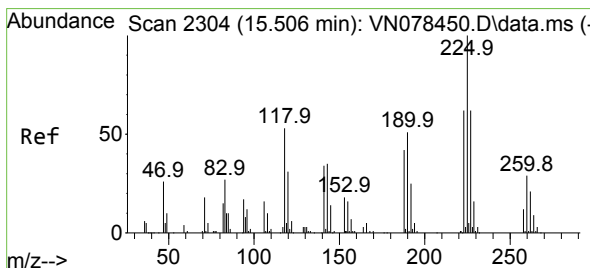
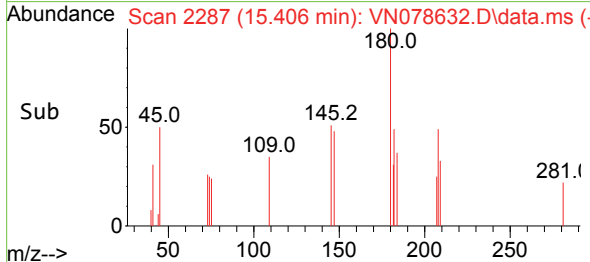
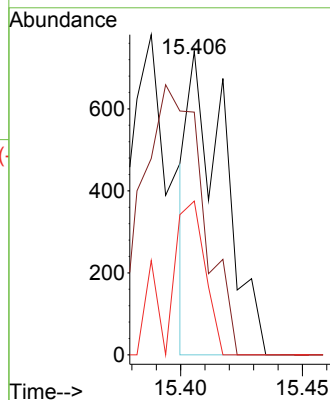
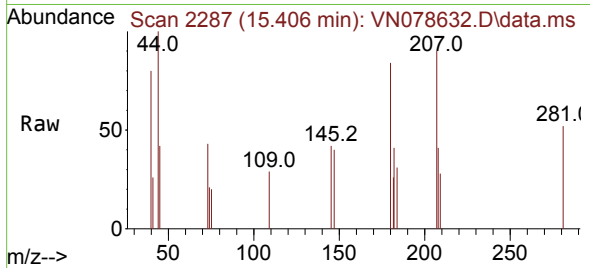




#93
1,2,4-Trichlorobenzene
Concen: 0.227 ug/l
RT: 15.406 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN078632.D
Acq: 24 Jul 2023 12:17

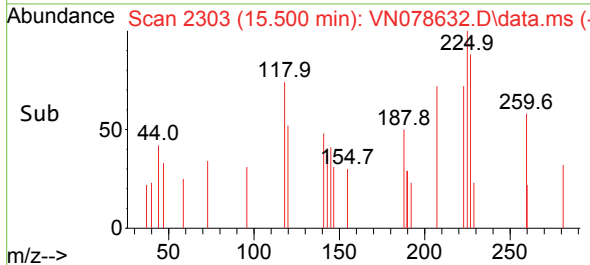
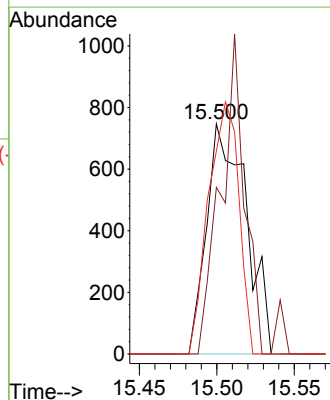
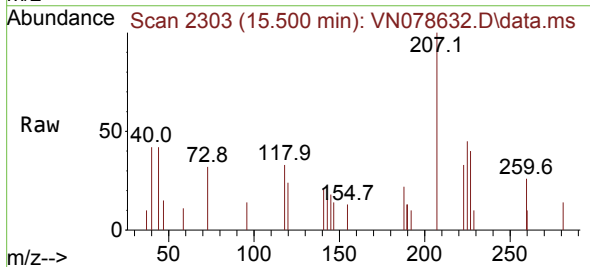
Instrument :
MSVOA_N
ClientSampleId :
VN0724WBL01

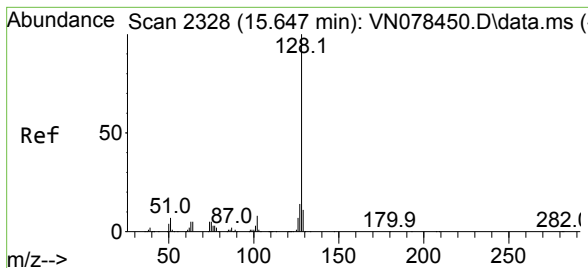
Tgt Ion:180 Resp: 754
Ion Ratio Lower Upper
180 100
182 0.0 46.1 138.2#
145 52.1 16.6 49.8#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.500 min Scan# 2303
Delta R.T. -0.006 min
Lab File: VN078632.D
Acq: 24 Jul 2023 12:17

Tgt Ion:225 Resp: 1324
Ion Ratio Lower Upper
225 100
223 83.8 31.3 93.8
227 84.2 31.9 95.9





#95

Naphthalene

Concen: 0.510 ug/l

RT: 15.653 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN078632.D

Acq: 24 Jul 2023 12:17

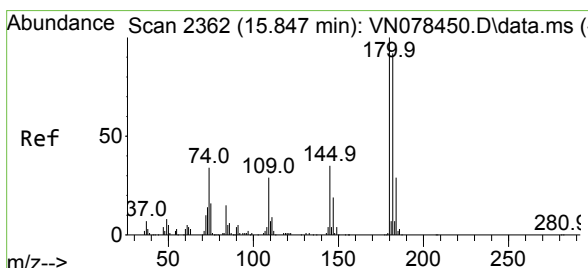
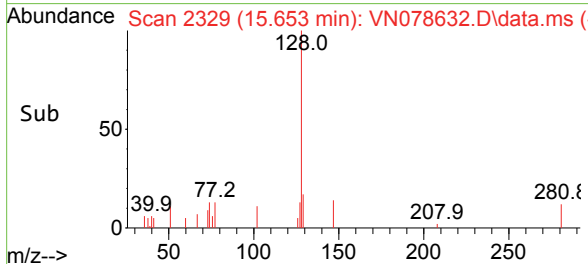
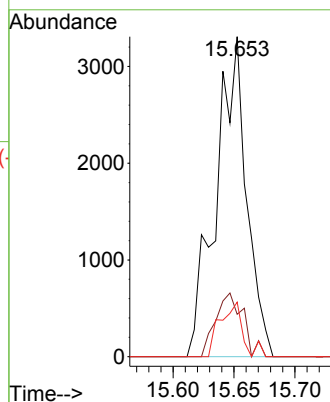
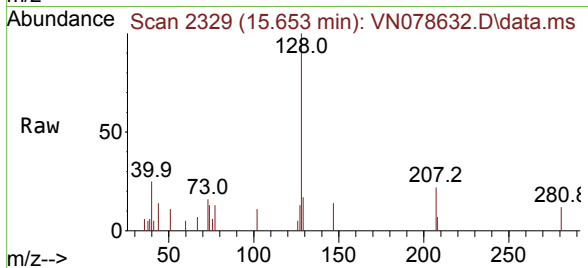
Instrument :

MSVOA_N

ClientSampleId :

VN0724WBL01

Tgt Ion:128	Resp:	5804
Ion Ratio	Lower	Upper
128	100	
127	17.9	10.0 15.0#
129	12.7	8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.486 ug/l

RT: 15.853 min Scan# 2363

Delta R.T. 0.006 min

Lab File: VN078632.D

Acq: 24 Jul 2023 12:17

Tgt Ion:180	Resp:	1858
Ion Ratio	Lower	Upper
180	100	
182	124.9	46.2 138.6
145	47.3	17.5 52.6

