

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072423\
 Data File : VN078631.D
 Acq On : 24 Jul 2023 11:53
 Operator : JC\MD
 Sample : VN0724MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724MBL01

Quant Time: Jul 25 03:09:26 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	8.236	168	438904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	764533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	689390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	255470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	262113	44.547	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.100%
35) Dibromofluoromethane	8.177	113	275284	53.042	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.080%
50) Toluene-d8	10.571	98	884870	45.133	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.260%
62) 4-Bromofluorobenzene	12.853	95	305178	50.534	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.060%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1908	0.326	ug/l #	73
5) Bromomethane	2.971	94	4859	Below Cal		100
6) Chloroethane	3.112	64	958	Below Cal	#	58
10) Methyl Iodide	4.618	142	4073	0.619	ug/l #	66
11) Tert butyl alcohol	5.500	59	2441	2.690	ug/l #	79
13) Acrolein	4.195	56	869	0.973	ug/l #	40
15) Acrylonitrile	5.730	53	1065	0.465	ug/l #	1
16) Acetone	4.465	43	1396	0.762	ug/l #	64
17) Carbon Disulfide	4.724	76	7365	0.550	ug/l #	87
18) Methyl Acetate	5.065	43	3097	0.399	ug/l #	48
20) Methylene Chloride	5.289	84	2651	Below Cal	#	56
21) trans-1,2-Dichloroethene	5.795	96	1188	0.228	ug/l #	85
25) 2-Butanone	7.500	43	3006	1.042	ug/l #	85
29) Tetrahydrofuran	7.841	42	414	0.219	ug/l #	51
31) Cyclohexane	8.236	56	8907	1.120	ug/l #	42
38) Carbon Tetrachloride	8.230	117	45329	5.566	ug/l #	17
39) Methylcyclohexane	9.612	83	1939	0.283	ug/l #	53
43) Isopropyl Acetate	8.718	43	5932	0.577	ug/l #	54
49) 1,4-Dioxane	9.706	88	66	0.635	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	3518	0.575	ug/l #	85
58) 2-Chloroethyl Vinyl ether	10.171	63	947	0.351	ug/l #	52
59) 2-Hexanone	11.206	43	6369	1.465	ug/l	97
65) Chlorobenzene	11.900	112	3722	0.242	ug/l	99
70) Styrene	12.418	104	3319	0.218	ug/l	98
74) N-amyl acetate	12.506	43	2961	0.358	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.947	83	1995	Below Cal	#	92
76) 1,2,3-Trichloropropane	12.853	75	158648	25.692	ug/l #	1
77) Bromobenzene	12.982	156	1928	Below Cal		92
78) n-propylbenzene	13.041	91	6235	0.243	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	4822	0.254	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.853	75	158648	67.514	ug/l #	15
82) 4-Chlorotoluene	13.229	91	5932	0.378	ug/l	90
83) tert-Butylbenzene	13.441	119	3899	0.242	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	6186	0.336	ug/l	96
85) sec-Butylbenzene	13.623	105	7307	0.359	ug/l	92
86) p-Isopropyltoluene	13.735	119	5979	0.366	ug/l	89

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

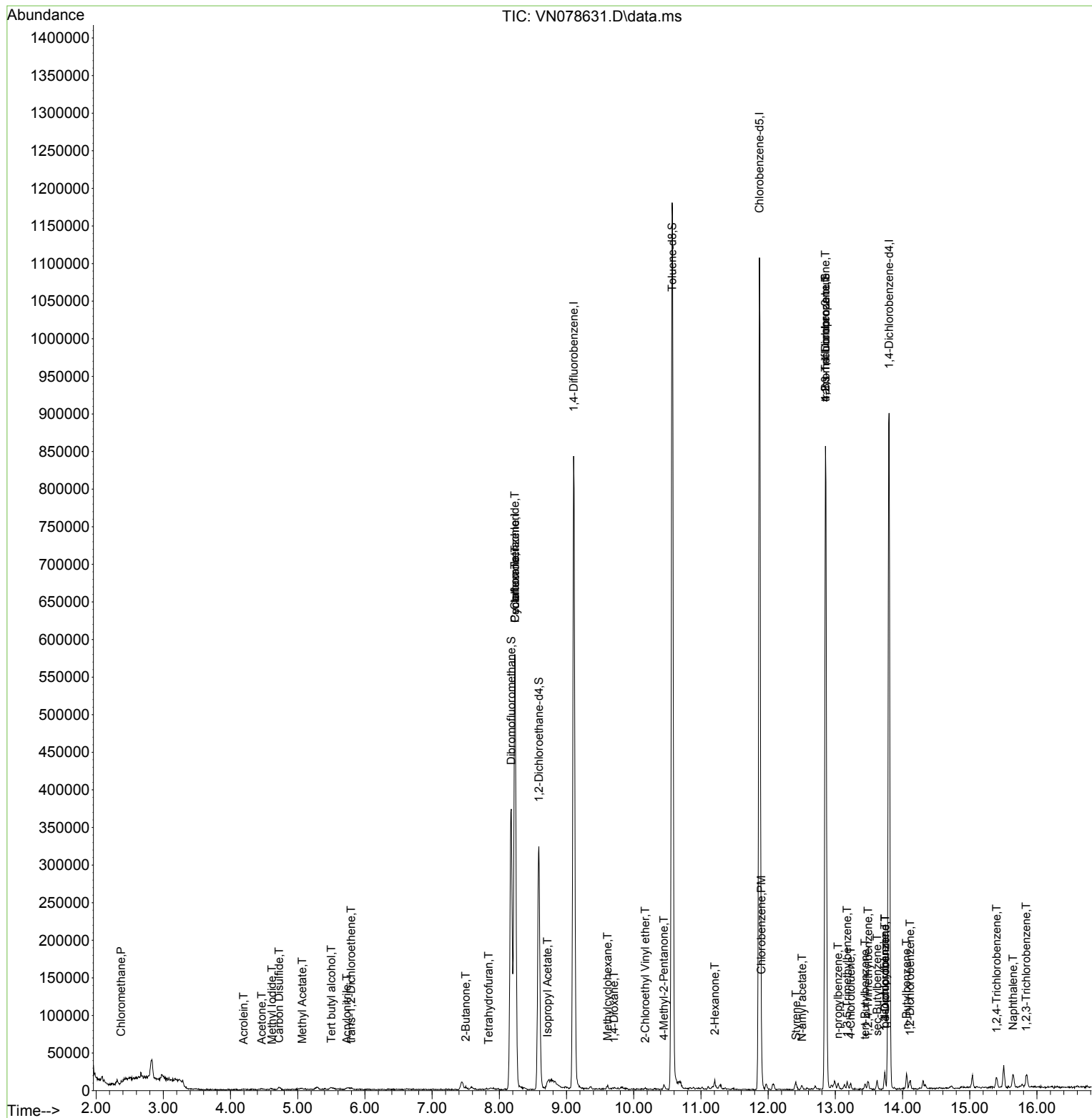
87) 1,3-Dichlorobenzene	13.741	146	5029	0.546	ug/l	93
88) 1,4-Dichlorobenzene	13.741	146	5029	0.542	ug/l	93
89) n-Butylbenzene	14.059	91	11286	0.965	ug/l	96
90) Hexachloroethane	14.341	117	1166	Below Cal		80
91) 1,2-Dichlorobenzene	14.112	146	5235	0.571	ug/l	89
92) 1,2-Dibromo-3-Chloropr...	14.718	75	1084	Below Cal		92
93) 1,2,4-Trichlorobenzene	15.400	180	4940	1.688	ug/l	96
94) Hexachlorobutadiene	15.512	225	4983	Below Cal		95
95) Naphthalene	15.647	128	17085	1.707	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.841	180	6776	2.013	ug/l	96

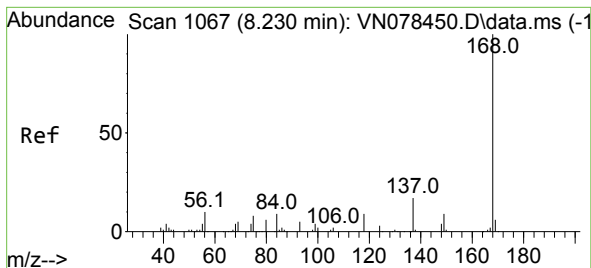
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 1

Delta R.T. 0.006 min

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ClientSampleId :

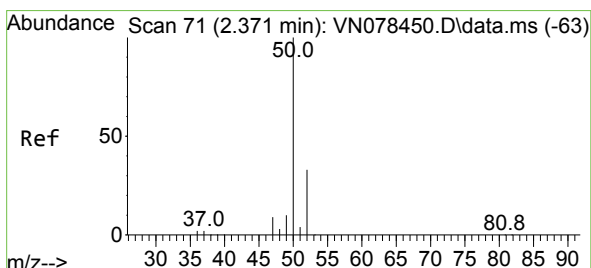
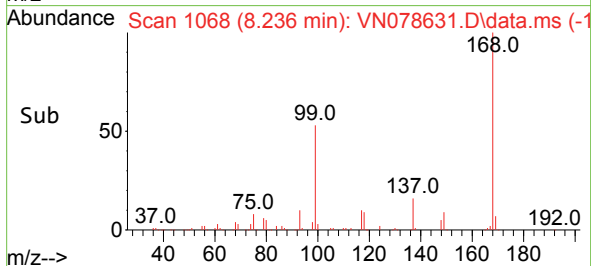
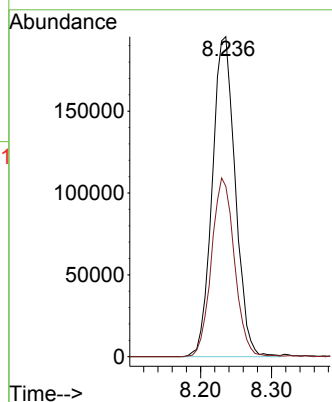
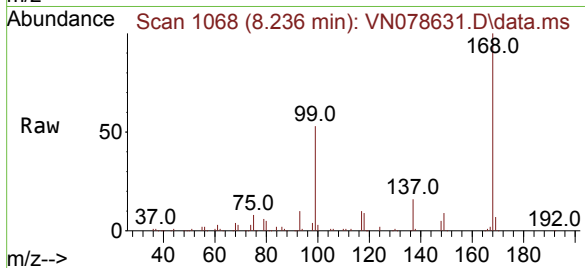
VN0724MBL01

Tgt Ion:168 Resp: 438904

Ion Ratio Lower Upper

168 100

99 53.3 53.0 79.6



#3

Chloromethane

Concen: 0.326 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078631.D

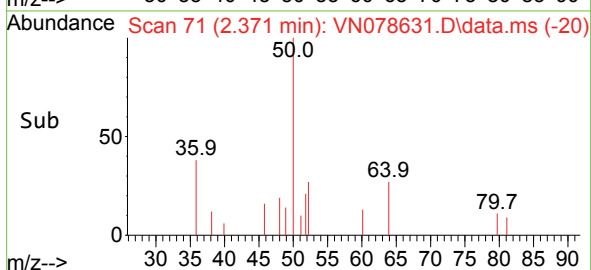
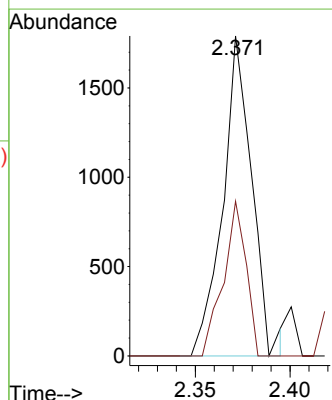
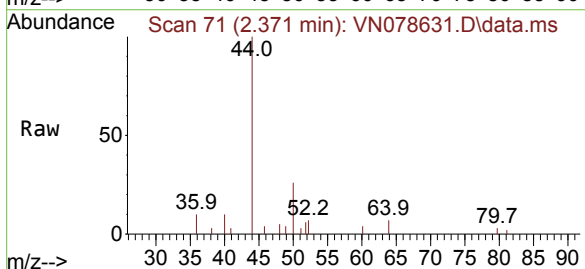
Acq: 24 Jul 2023 11:53

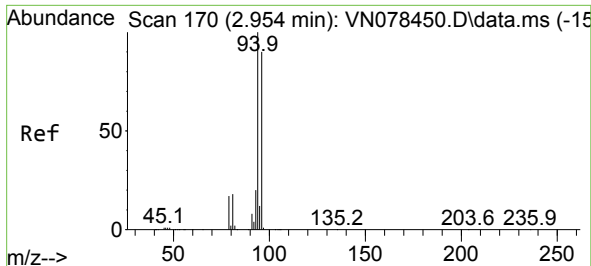
Tgt Ion: 50 Resp: 1908

Ion Ratio Lower Upper

50 100

52 48.4 26.5 39.7#

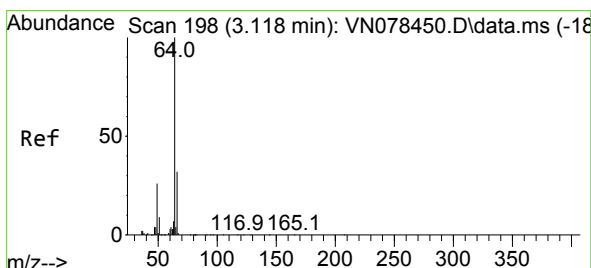
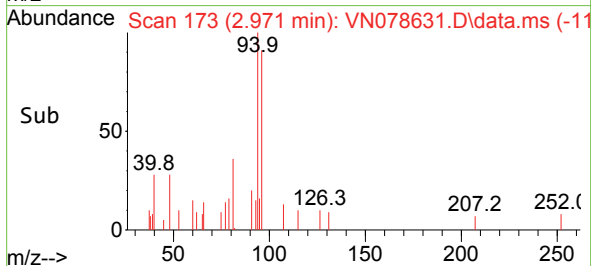
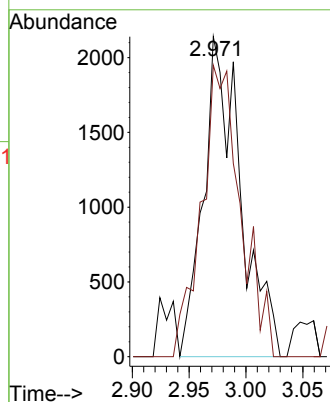
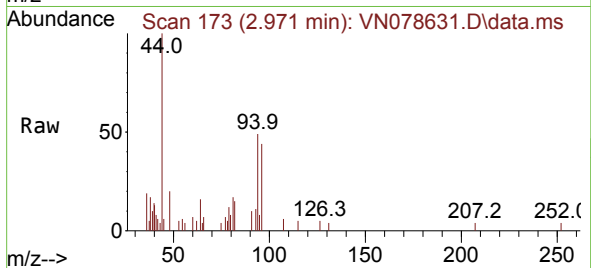




#5
Bromomethane
Concen: Below Cal
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

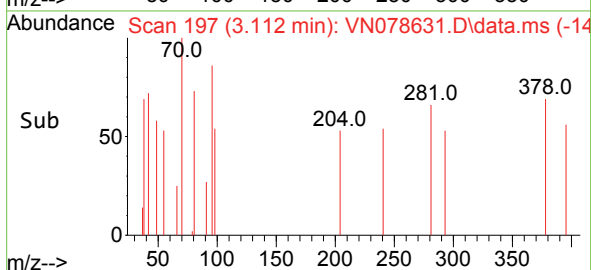
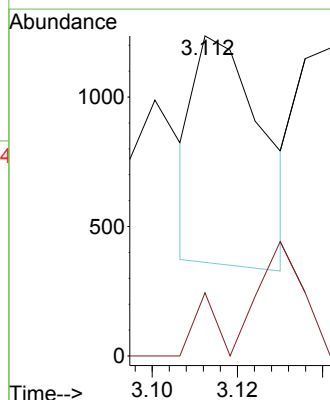
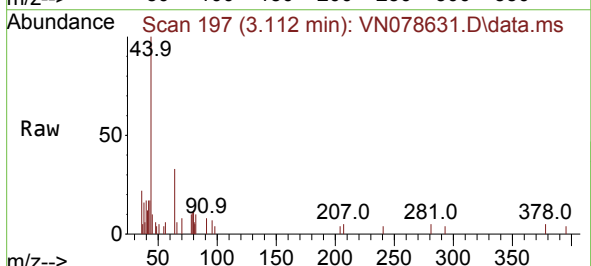
Instrument :
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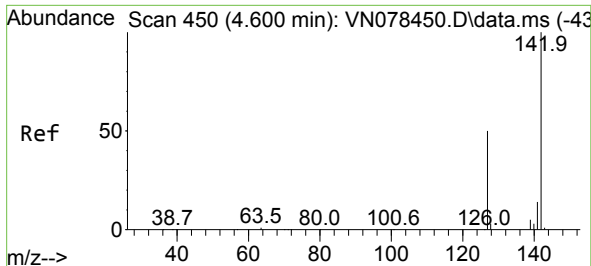
Tgt Ion: 94 Resp: 4859
Ion Ratio Lower Upper
94 100
96 91.0 73.1 109.7



#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

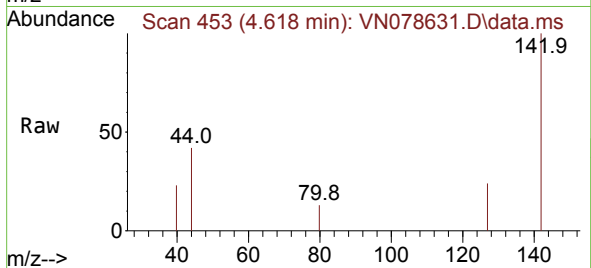
Tgt Ion: 64 Resp: 958
Ion Ratio Lower Upper
64 100
66 55.0 25.4 38.2#



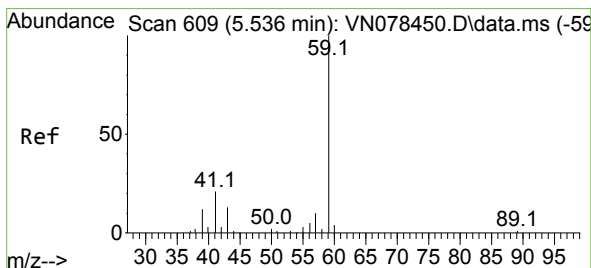
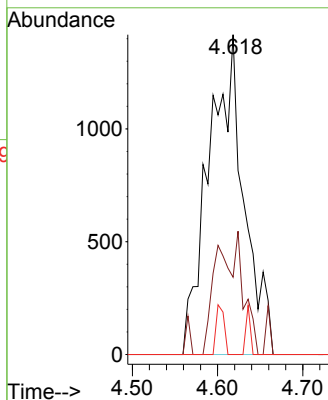
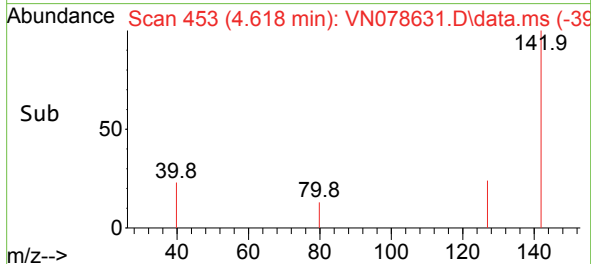


#10
Methyl Iodide
Concen: 0.619 ug/l
RT: 4.618 min Scan# 418
Delta R.T. 0.018 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0724MBL01

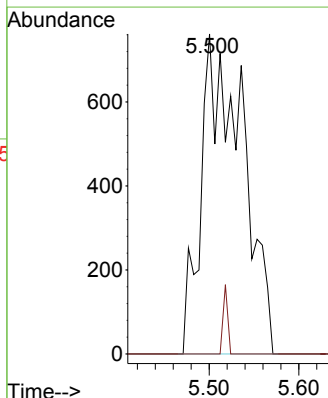
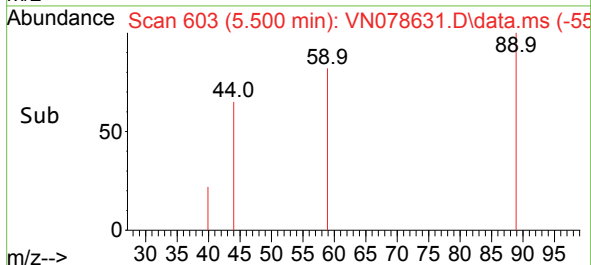
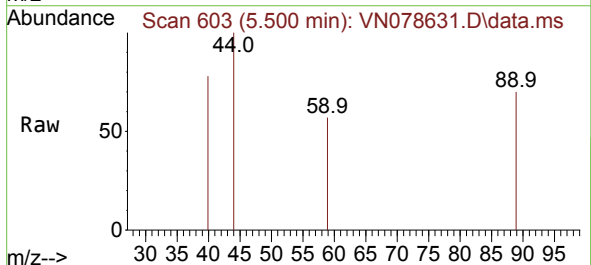


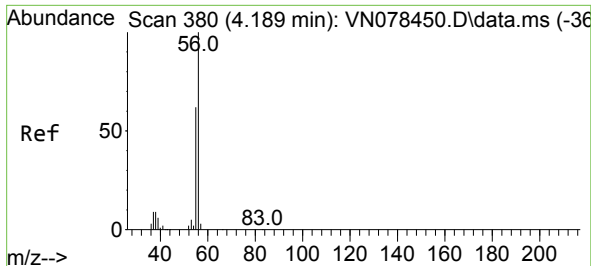
Tgt Ion:142 Resp: 4073
Ion Ratio Lower Upper
142 100
127 24.2 37.6 56.4#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.690 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.036 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

Tgt Ion: 59 Resp: 2441
Ion Ratio Lower Upper
59 100
57 2.4 8.2 12.4#





#13

Acrolein

Concen: 0.973 ug/l

RT: 4.195 min Scan# 381

Delta R.T. 0.006 min

Lab File: VN078631.D

Acq: 24 Jul 2023 11:53

Instrument :

MSVOA_N

ClientSampleId :

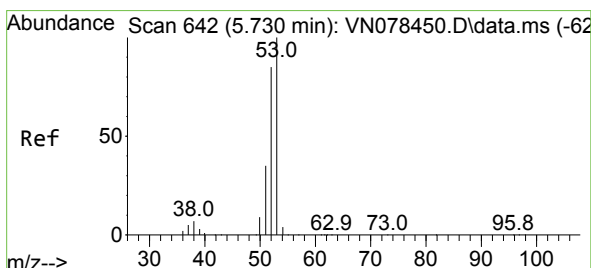
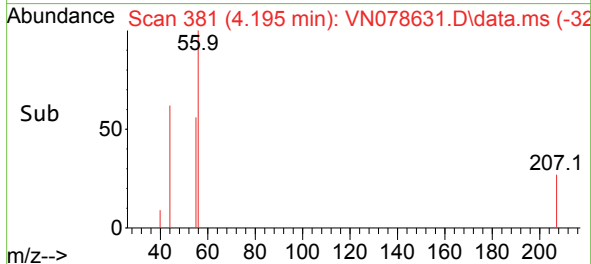
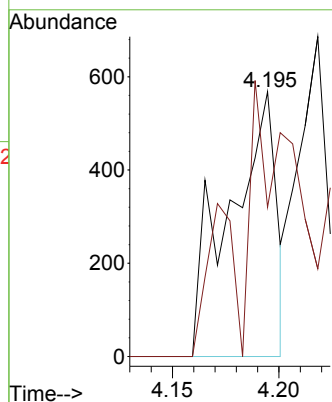
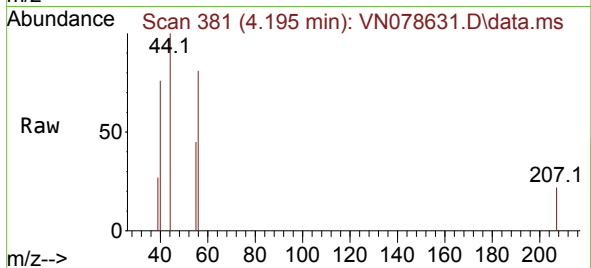
VN0724MBL01

Tgt Ion: 56 Resp: 869

Ion Ratio Lower Upper

56 100

55 116.9 54.5 81.7#



#15

Acrylonitrile

Concen: 0.465 ug/l

RT: 5.730 min Scan# 642

Delta R.T. -0.000 min

Lab File: VN078631.D

Acq: 24 Jul 2023 11:53

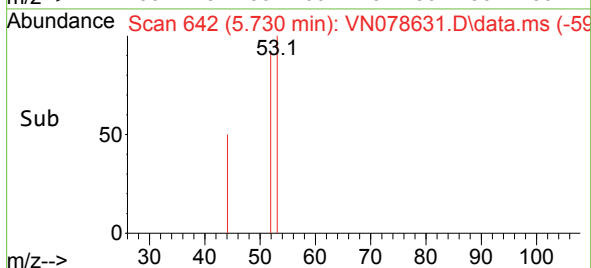
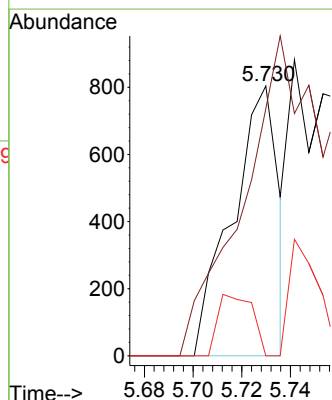
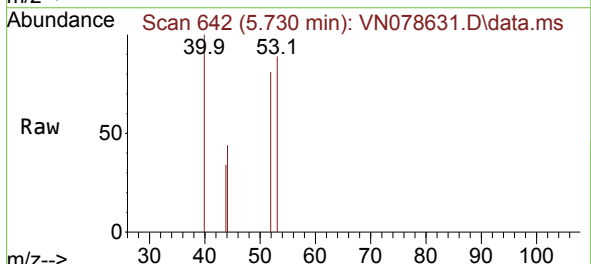
Tgt Ion: 53 Resp: 1065

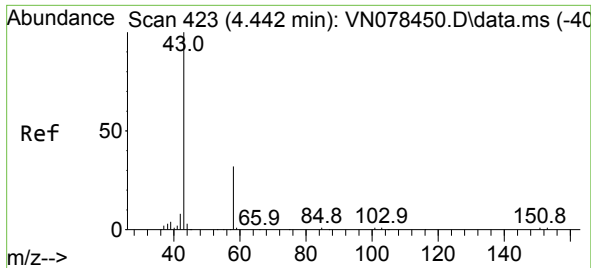
Ion Ratio Lower Upper

53 100

52 279.3 65.3 97.9#

51 26.6 28.9 43.3#

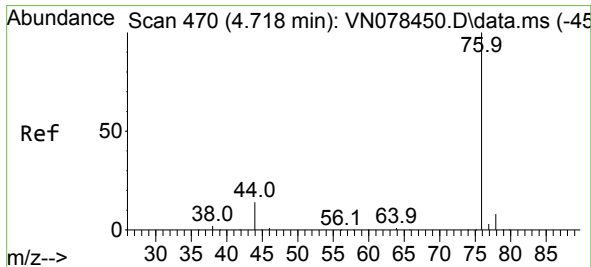
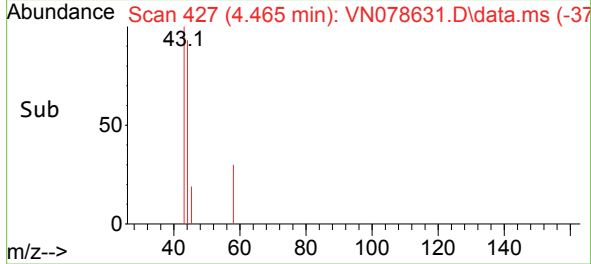
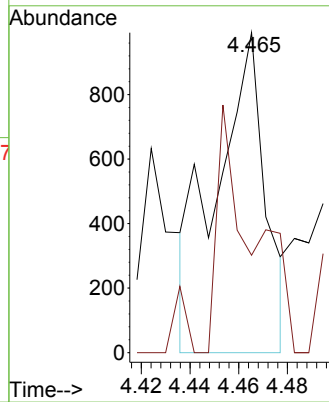
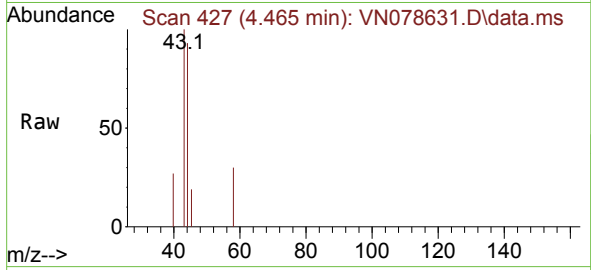




#16
Acetone
Concen: 0.762 ug/l
RT: 4.465 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

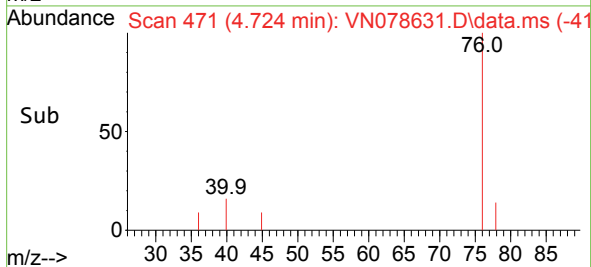
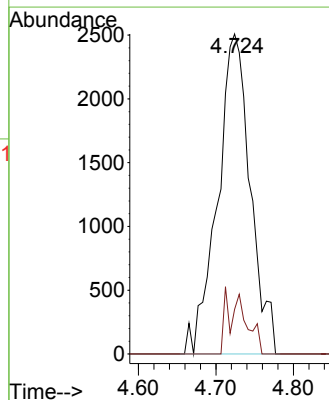
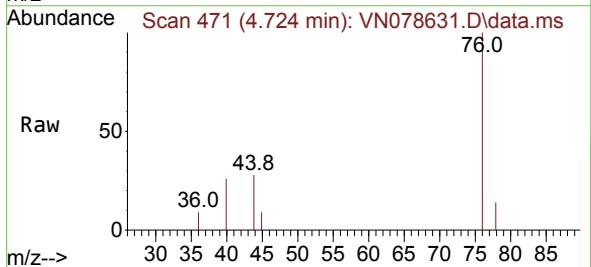
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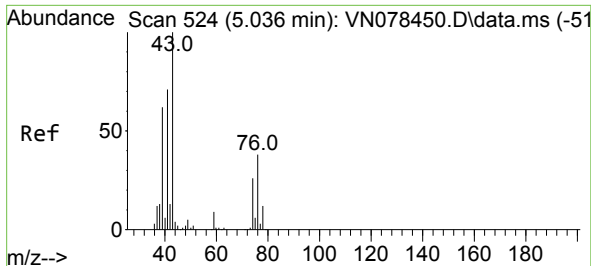
Tgt Ion: 43 Resp: 1396
Ion Ratio Lower Upper
43 100
58 14.0 28.0 42.0#



#17
Carbon Disulfide
Concen: 0.550 ug/l
RT: 4.724 min Scan# 471
Delta R.T. 0.006 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

Tgt Ion: 76 Resp: 7365
Ion Ratio Lower Upper
76 100
78 13.9 7.4 11.0#

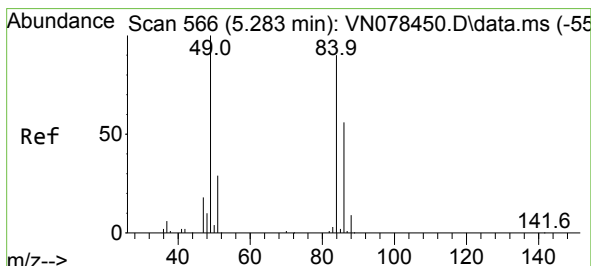
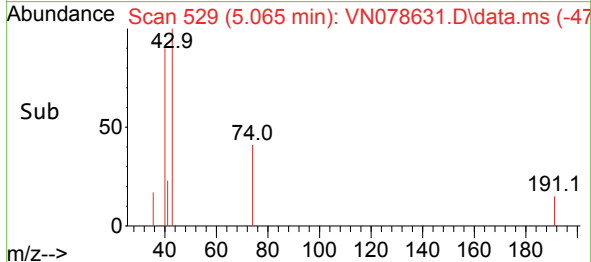
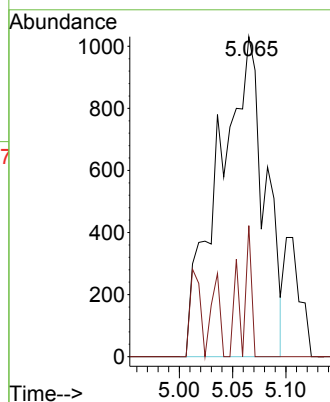
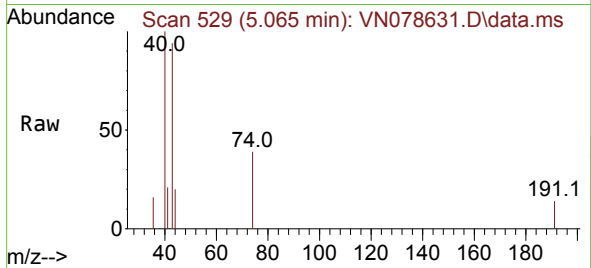




#18
Methyl Acetate
Concen: 0.399 ug/l
RT: 5.065 min Scan# 51
Delta R.T. 0.029 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

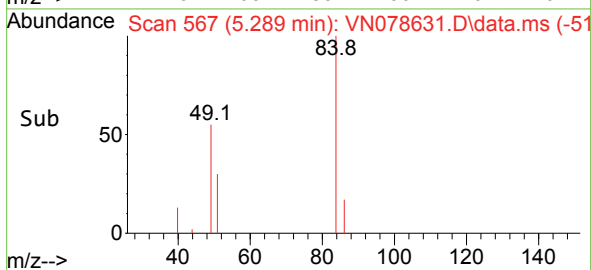
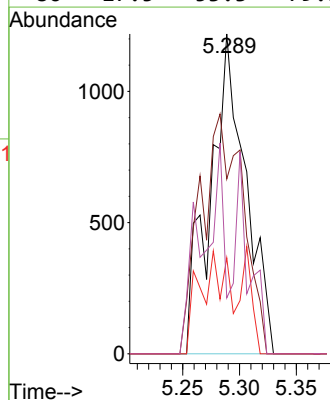
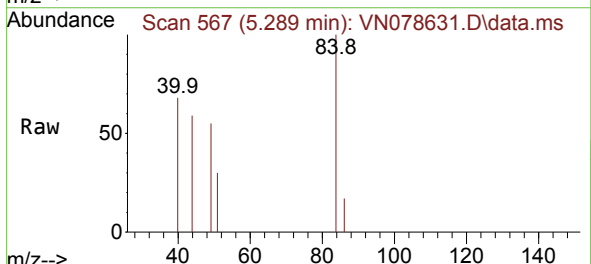
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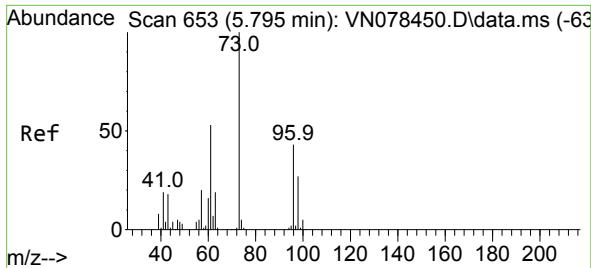
Tgt Ion: 43 Resp: 3097
Ion Ratio Lower Upper
43 100
74 3.6 26.2 39.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

Tgt Ion: 84 Resp: 2651
Ion Ratio Lower Upper
84 100
49 54.6 79.7 119.5#
51 30.0 25.2 37.8
86 17.5 53.3 79.9#

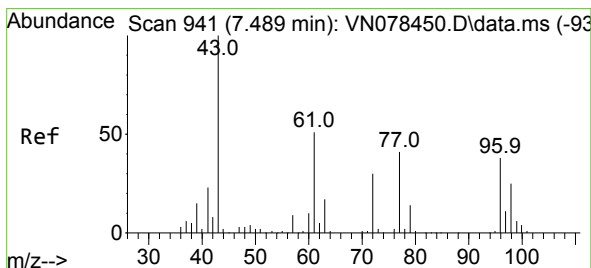
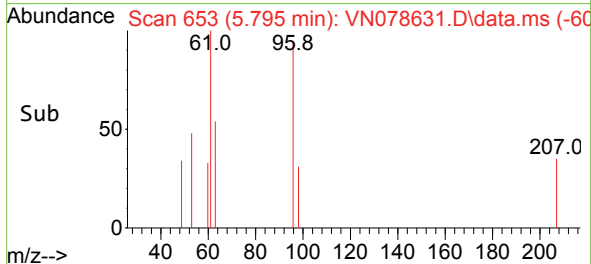
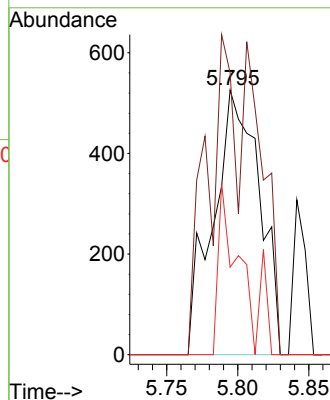
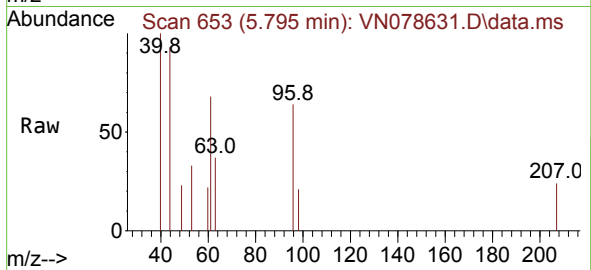




#21
trans-1,2-Dichloroethene
Concen: 0.228 ug/l
RT: 5.795 min Scan# 611
Delta R.T. -0.000 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

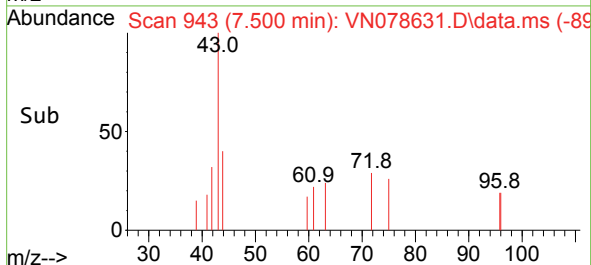
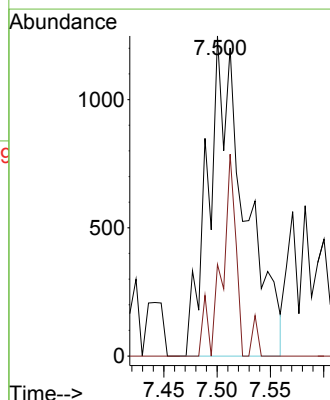
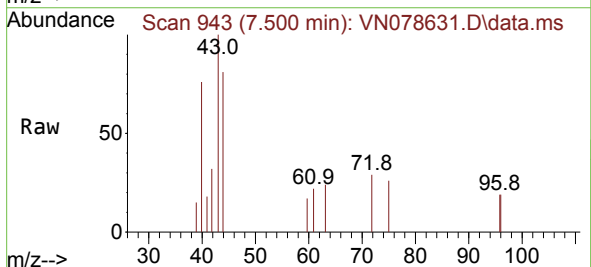
Instrument :
MSVOA_N
ClientSampleId :
VN0724MBL01

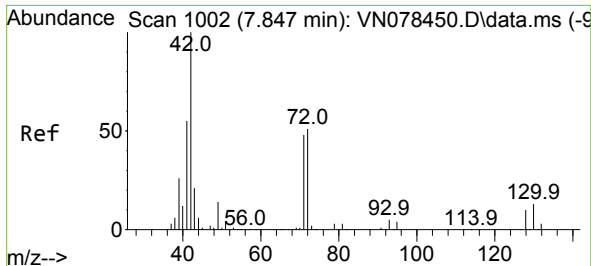
Tgt Ion: 96 Resp: 1188
Ion Ratio Lower Upper
96 100
61 106.5 90.1 135.1
98 33.1 46.4 69.6#



#25
2-Butanone
Concen: 1.042 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.011 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

Tgt Ion: 43 Resp: 3006
Ion Ratio Lower Upper
43 100
72 28.6 30.2 45.2#

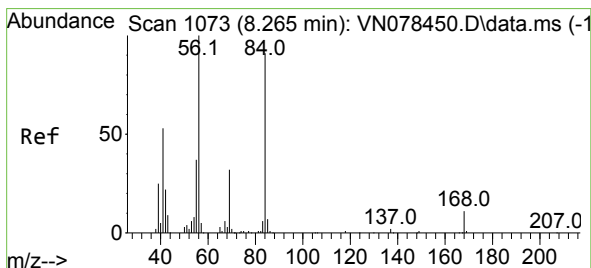
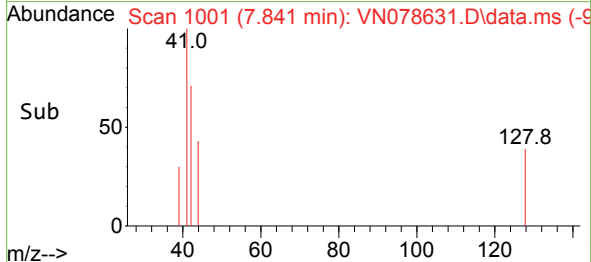
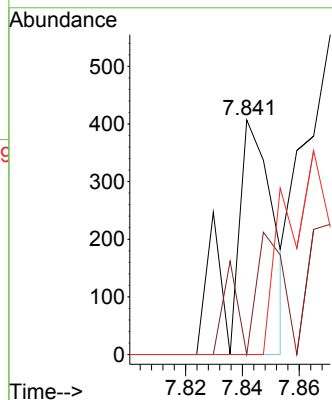
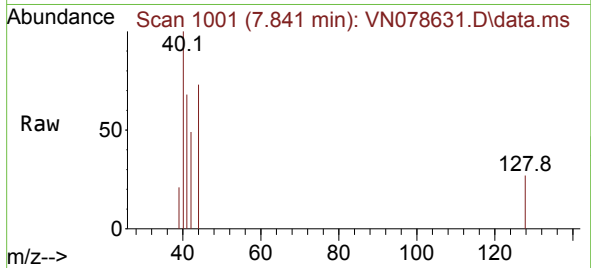




#29
Tetrahydrofuran
Concen: 0.219 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. -0.006 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

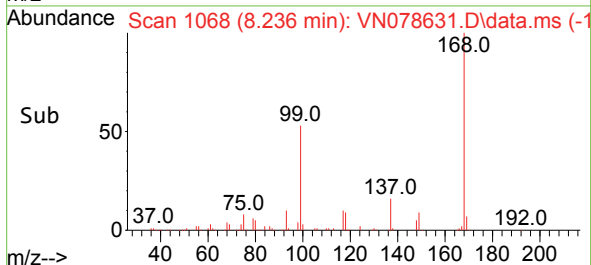
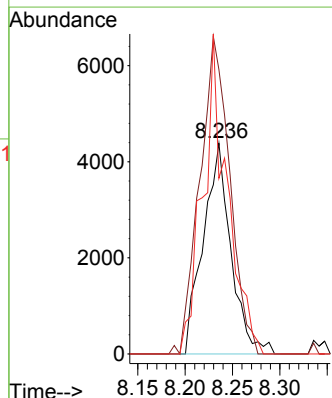
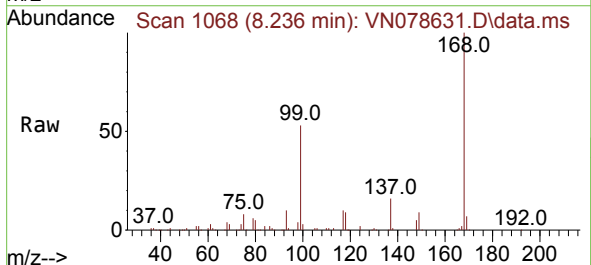
Instrument :
MSVOA_N
ClientSampleId :
VN0724MBL01

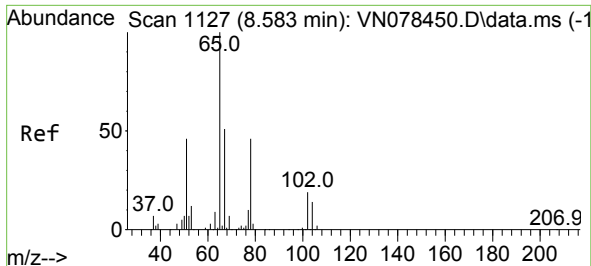
Tgt Ion: 42 Resp: 414
Ion Ratio Lower Upper
42 100
72 46.6 49.8 74.6#
71 0.0 47.4 71.2#



#31
Cyclohexane
Concen: 1.120 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

Tgt Ion: 56 Resp: 8907
Ion Ratio Lower Upper
56 100
69 135.0 26.8 40.2#
84 83.4 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 44.547 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078631.D

Acq: 24 Jul 2023 11:53

Instrument :

MSVOA_N

ClientSampleId :

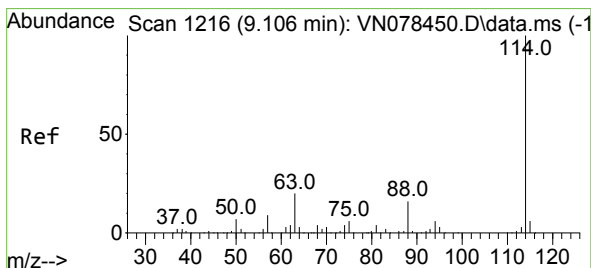
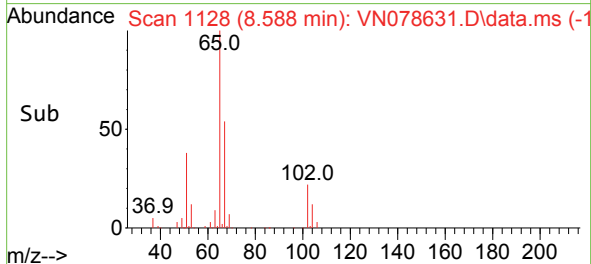
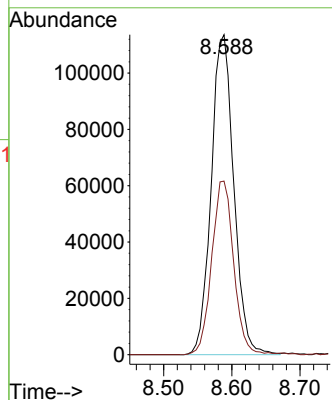
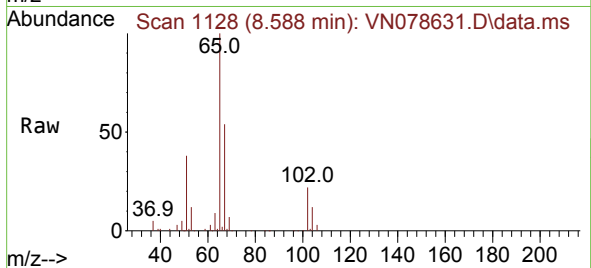
VN0724MBL01

Tgt Ion: 65 Resp: 262113

Ion Ratio Lower Upper

65 100

67 52.8 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: VN078631.D

Acq: 24 Jul 2023 11:53

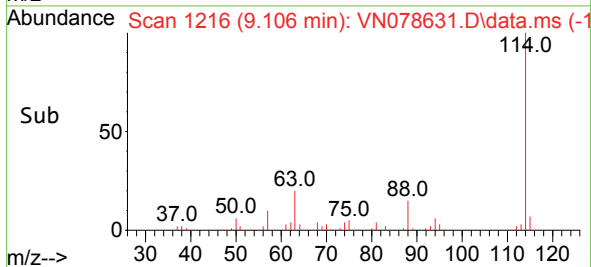
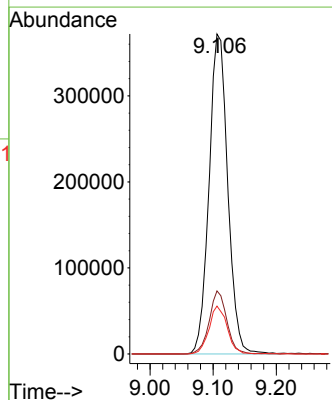
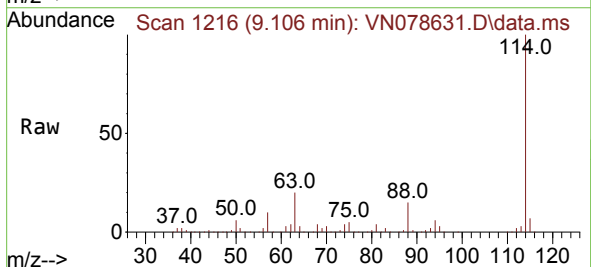
Tgt Ion:114 Resp: 764533

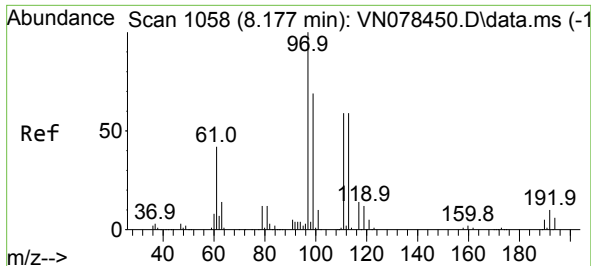
Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.4

88 15.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.042 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078631.D

Acq: 24 Jul 2023 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN0724MBL01

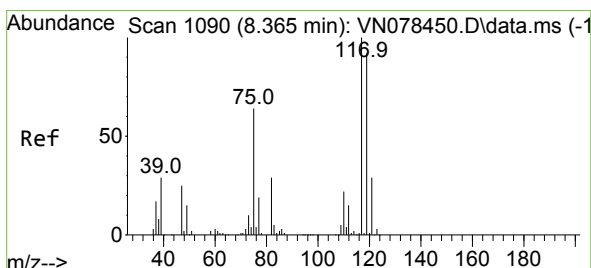
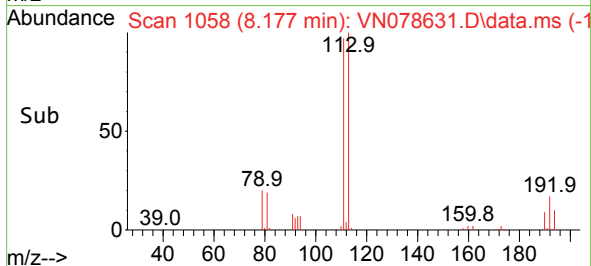
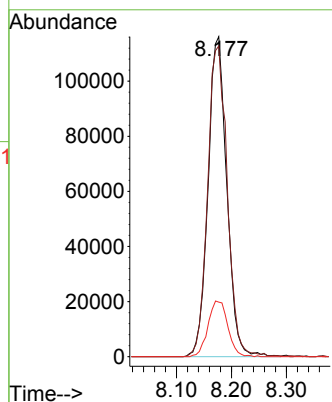
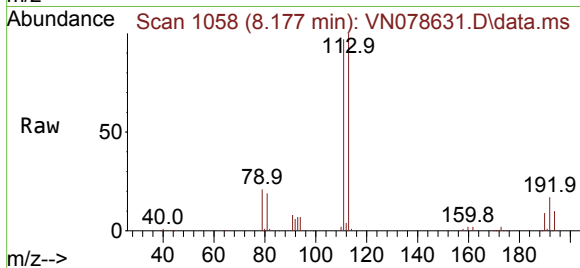
Tgt Ion:113 Resp: 275284

Ion Ratio Lower Upper

113 100

111 101.7 82.6 123.8

192 18.4 12.7 19.1



#38

Carbon Tetrachloride

Concen: 5.566 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN078631.D

Acq: 24 Jul 2023 11:53

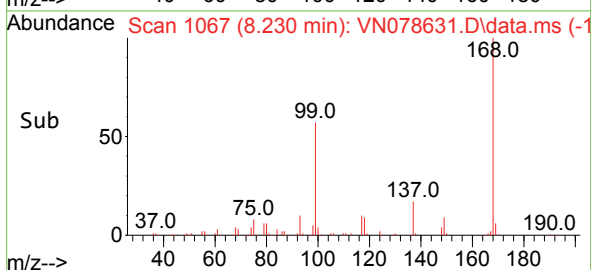
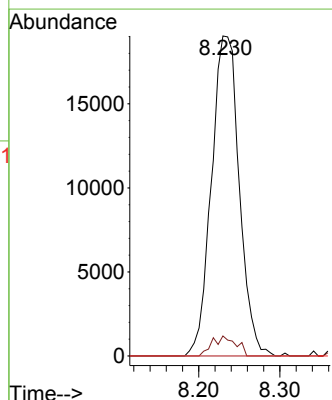
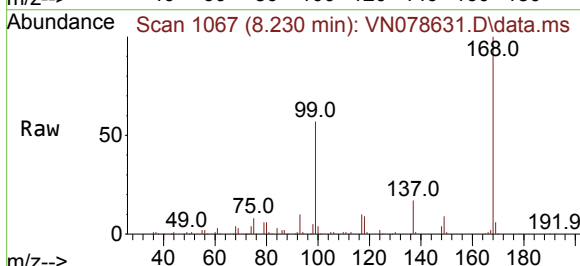
Tgt Ion:117 Resp: 45329

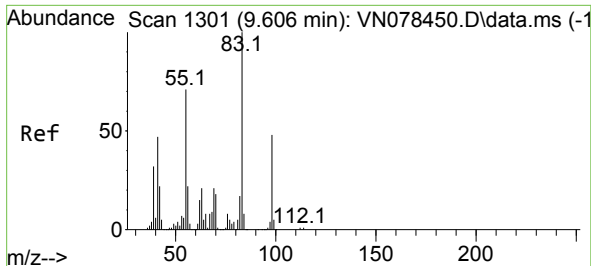
Ion Ratio Lower Upper

117 100

119 6.3 77.3 115.9#

121 0.0 23.3 34.9#





#39

Methylcyclohexane

Concen: 0.283 ug/l

RT: 9.612 min Scan# 1150

Delta R.T. 0.006 min

Lab File: VN078631.D

Acq: 24 Jul 2023 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN0724MBL01

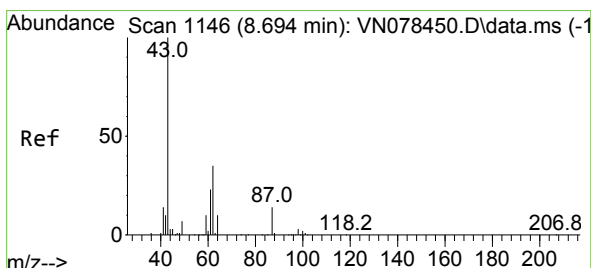
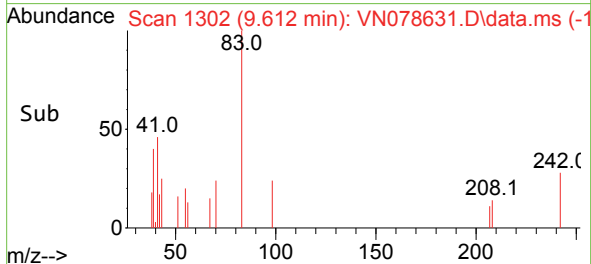
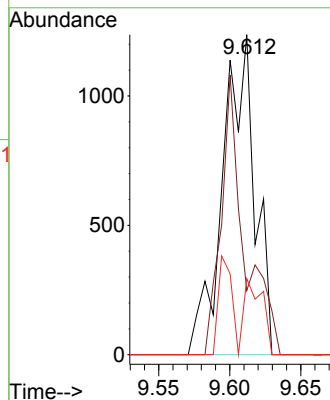
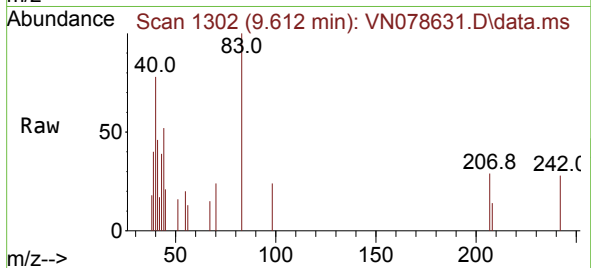
Tgt Ion: 83 Resp: 1939

Ion Ratio Lower Upper

83 100

55 20.0 49.1 73.7#

98 23.8 40.6 61.0#



#43

Isopropyl Acetate

Concen: 0.577 ug/l

RT: 8.718 min Scan# 1150

Delta R.T. 0.024 min

Lab File: VN078631.D

Acq: 24 Jul 2023 11:53

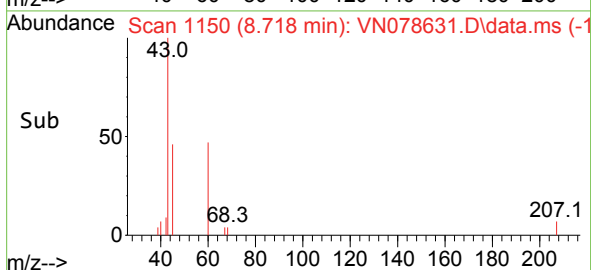
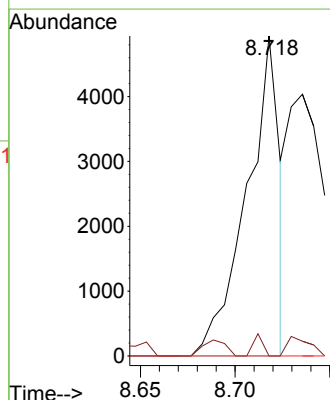
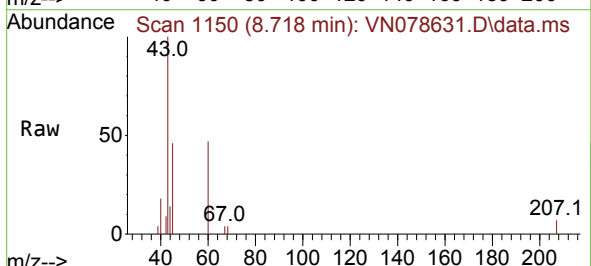
Tgt Ion: 43 Resp: 5932

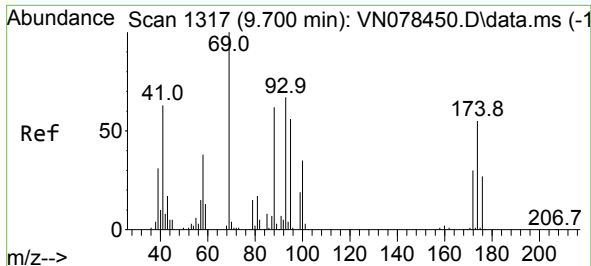
Ion Ratio Lower Upper

43 100

61 4.1 24.7 37.1#

87 0.0 14.6 21.8#





#49

1,4-Dioxane

Concen: 0.635 ug/l

RT: 9.706 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078631.D

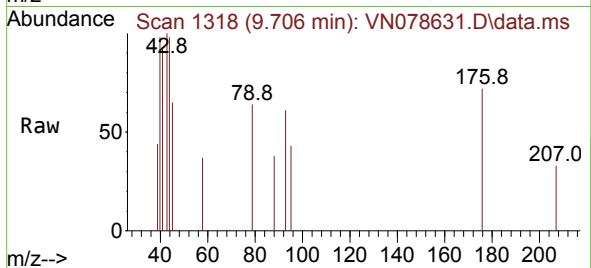
Acq: 24 Jul 2023 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN0724MBL01



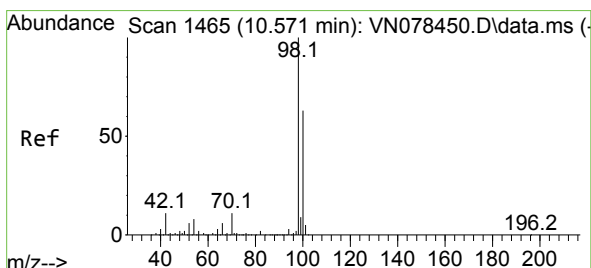
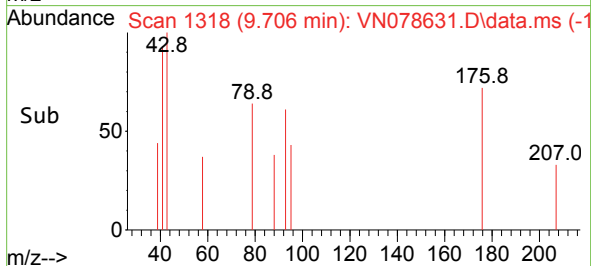
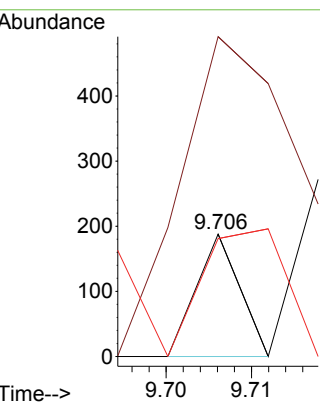
Tgt Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

43 893.9 17.0 25.6#

58 201.5 47.0 70.4#



#50

Toluene-d8

Concen: 45.133 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078631.D

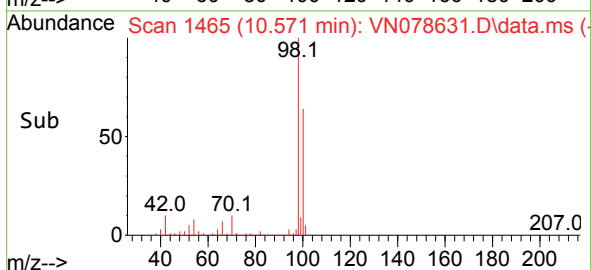
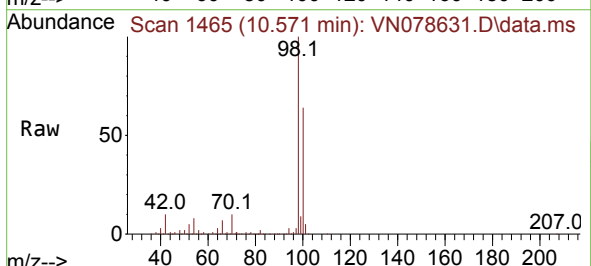
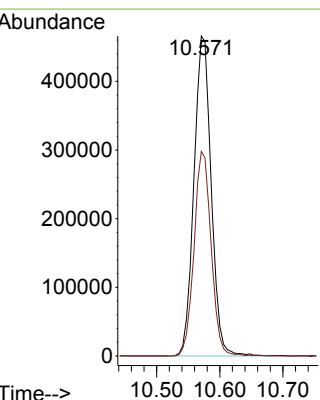
Acq: 24 Jul 2023 11:53

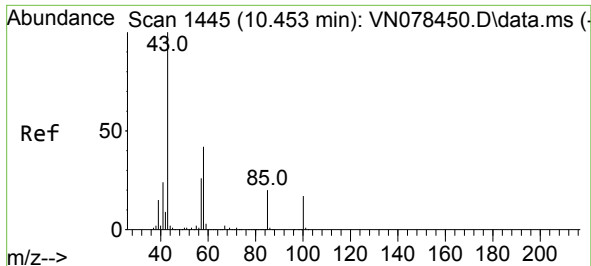
Tgt Ion: 98 Resp: 884870

Ion Ratio Lower Upper

98 100

100 63.3 52.0 78.0

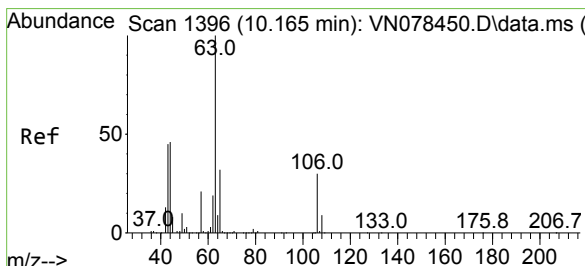
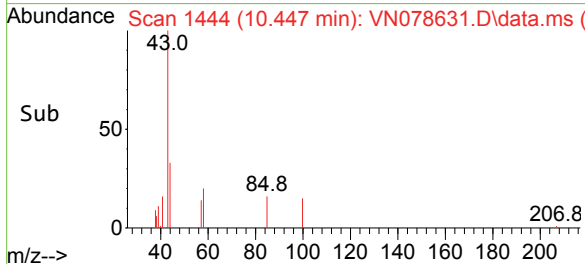
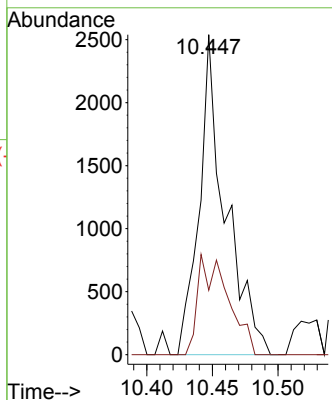
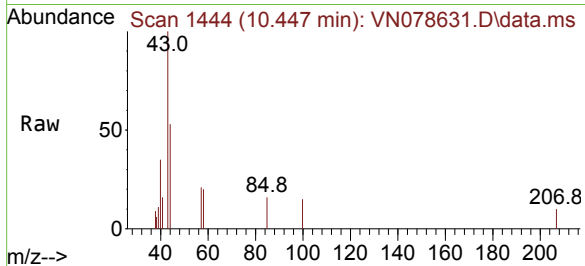




#51
4-Methyl-2-Pentanone
Concen: 0.575 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

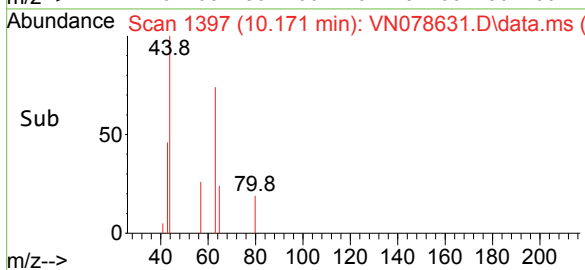
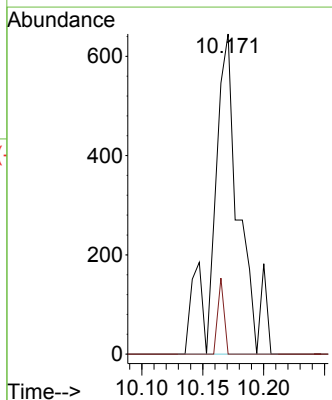
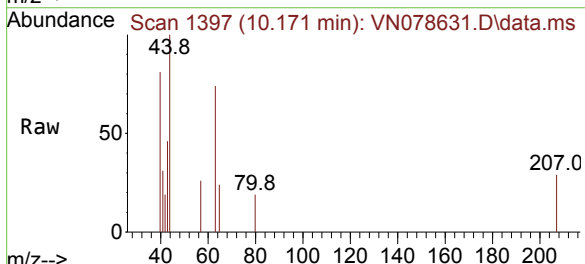
Instrument :
MSVOA_N
ClientSampleId :
VN0724MBL01

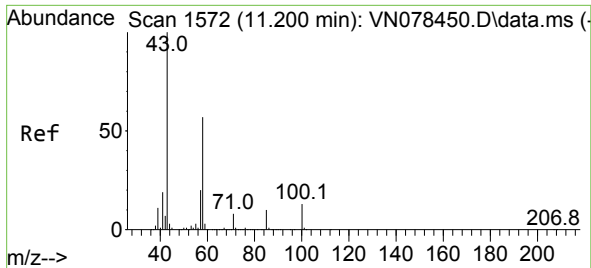
Tgt Ion: 43 Resp: 3518
Ion Ratio Lower Upper
43 100
58 36.0 36.6 54.8#



#58
2-Chloroethyl Vinyl ether
Concen: 0.351 ug/l
RT: 10.171 min Scan# 1397
Delta R.T. 0.006 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

Tgt Ion: 63 Resp: 947
Ion Ratio Lower Upper
63 100
106 5.7 26.2 39.4#

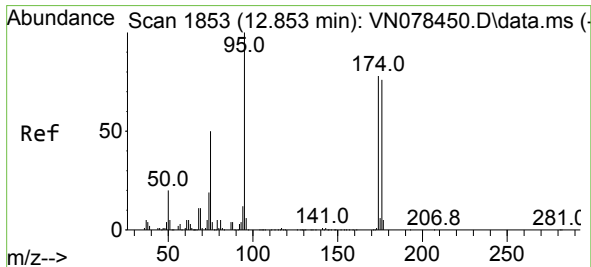
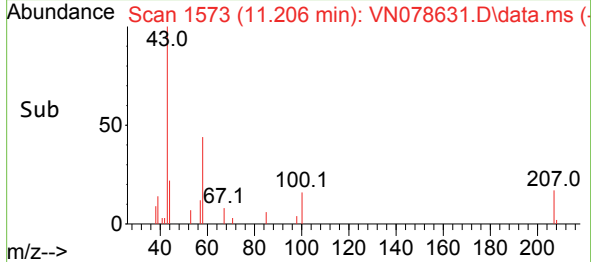
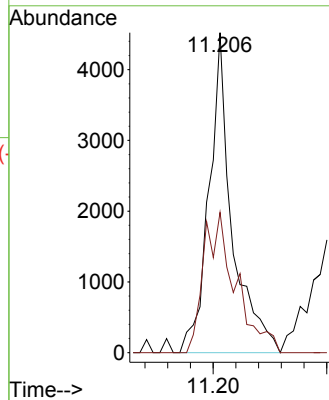
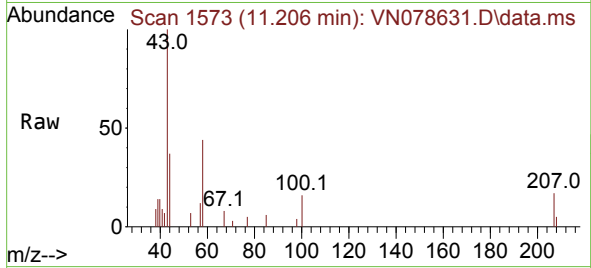




#59
2-Hexanone
Concen: 1.465 ug/l
RT: 11.206 min Scan# 1157
Delta R.T. 0.006 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

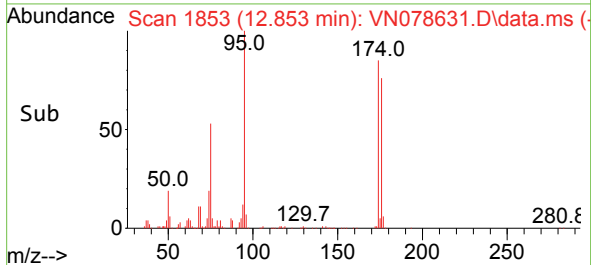
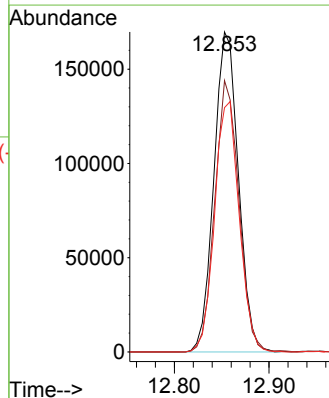
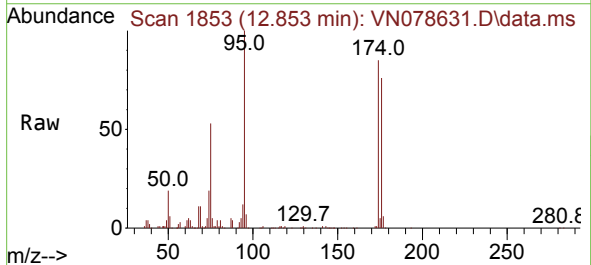
Instrument :
MSVOA_N
ClientSampleId :
VN0724MBL01

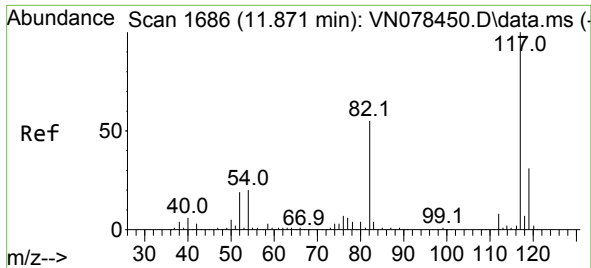
Tgt Ion: 43 Resp: 6369
Ion Ratio Lower Upper
43 100
58 61.0 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 50.534 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

Tgt Ion: 95 Resp: 305178
Ion Ratio Lower Upper
95 100
174 83.5 0.0 143.8
176 78.8 0.0 135.8

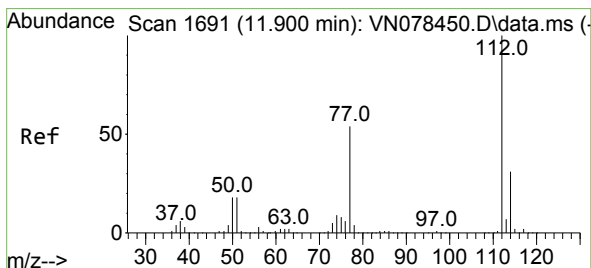
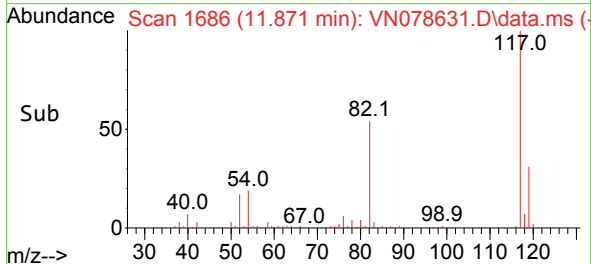
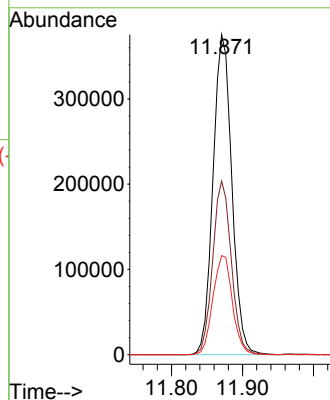
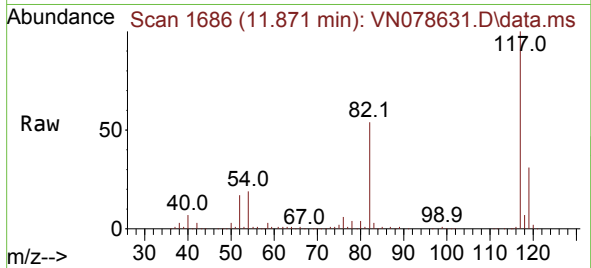




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

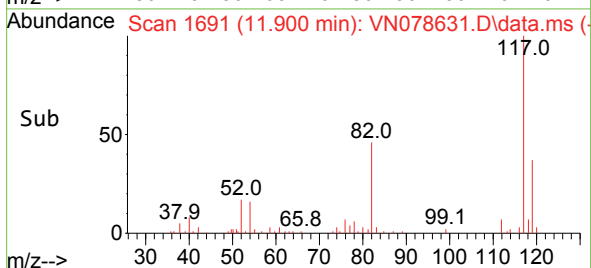
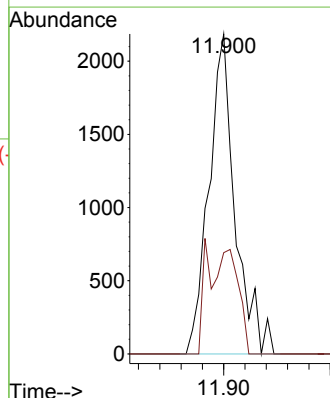
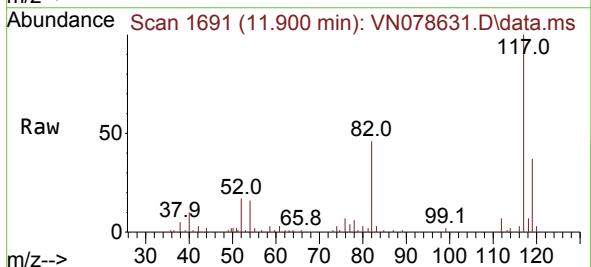
Instrument :
MSVOA_N
ClientSampleId :
VN0724MBL01

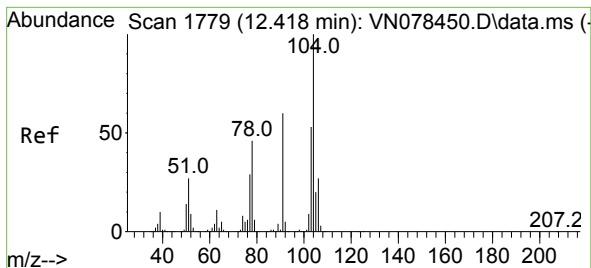
Tgt Ion:117 Resp: 689390
Ion Ratio Lower Upper
117 100
82 54.3 44.0 66.0
119 30.9 25.6 38.4



#65
Chlorobenzene
Concen: 0.242 ug/l
RT: 11.900 min Scan# 1691
Delta R.T. 0.000 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

Tgt Ion:112 Resp: 3722
Ion Ratio Lower Upper
112 100
114 31.7 25.0 37.4





#70

Styrene

Concen: 0.218 ug/l

RT: 12.418 min Scan# 1779

Delta R.T. -0.000 min

Lab File: VN078631.D

Acq: 24 Jul 2023 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN0724MBL01

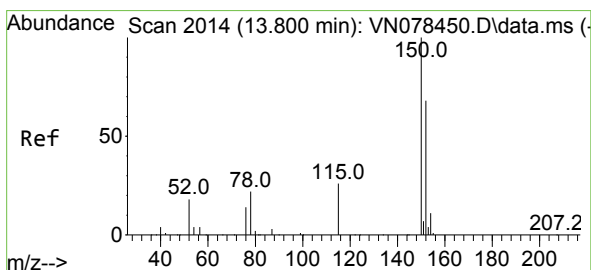
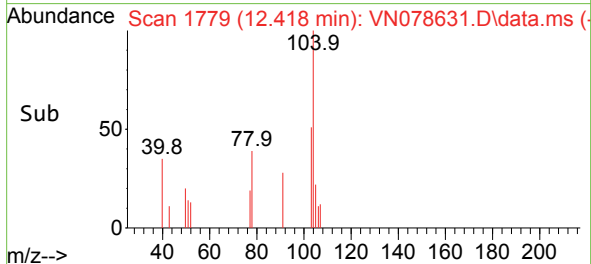
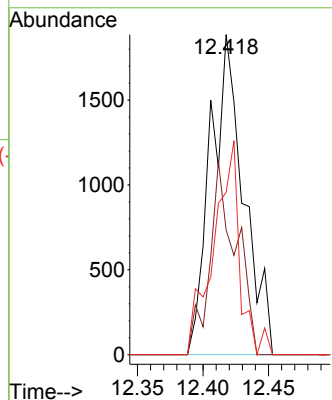
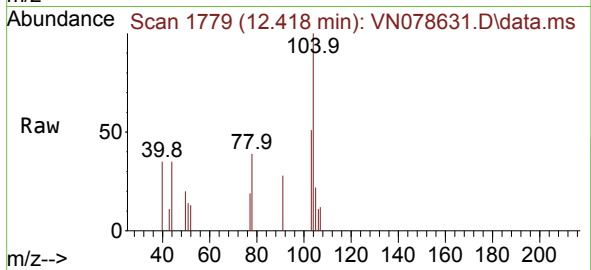
Tgt Ion:104 Resp: 3319

Ion Ratio Lower Upper

104 100

78 48.6 39.5 59.3

103 52.6 43.2 64.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078631.D

Acq: 24 Jul 2023 11:53

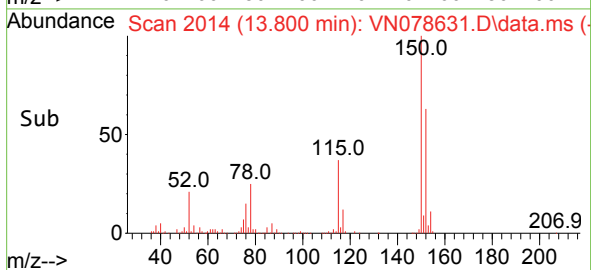
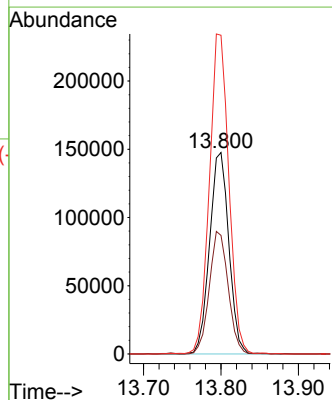
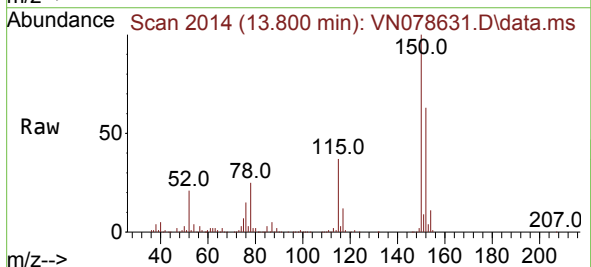
Tgt Ion:152 Resp: 255470

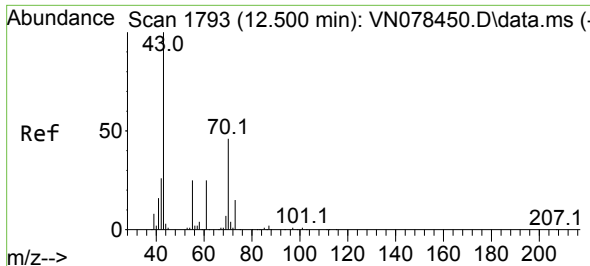
Ion Ratio Lower Upper

152 100

115 59.6 32.3 96.8

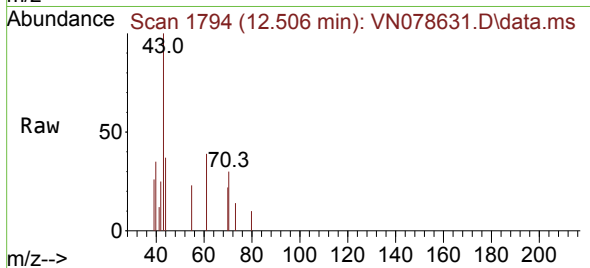
150 160.4 0.0 355.8



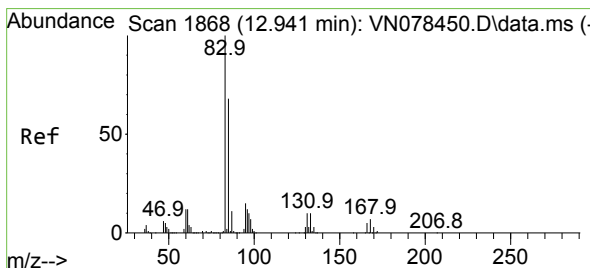
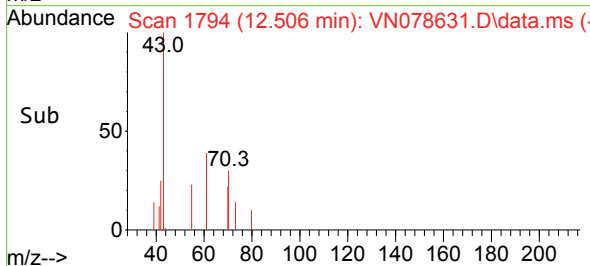
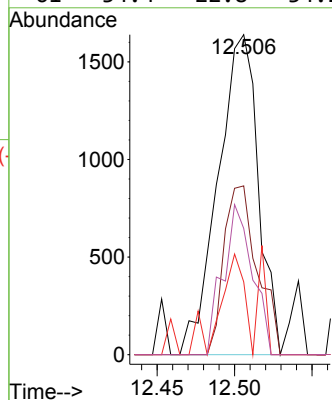


#74
N-amy1 acetate
Concen: 0.358 ug/l
RT: 12.506 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0724MBL01

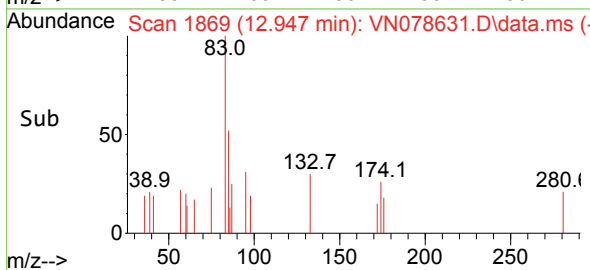
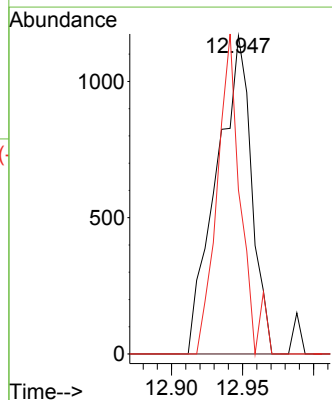
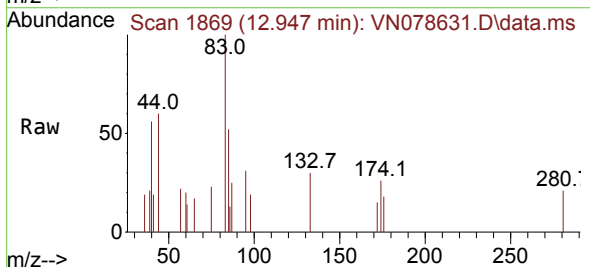


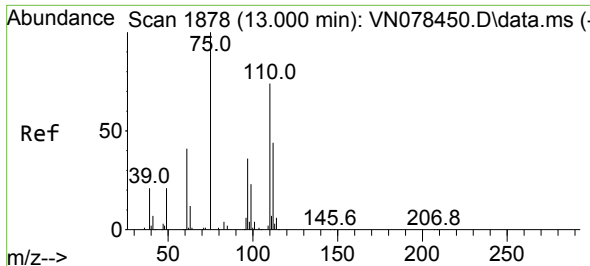
Tgt Ion: 43	Resp: 2961
Ion Ratio	Lower Upper
43	100
70	43.9 43.4 65.2
55	19.3 21.4 32.0#
61	34.4 22.8 34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.947 min Scan# 1869
Delta R.T. 0.006 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

Tgt Ion: 83	Resp: 1995
Ion Ratio	Lower Upper
83	100
131	0.0 5.0 15.0#
85	67.8 31.9 95.7

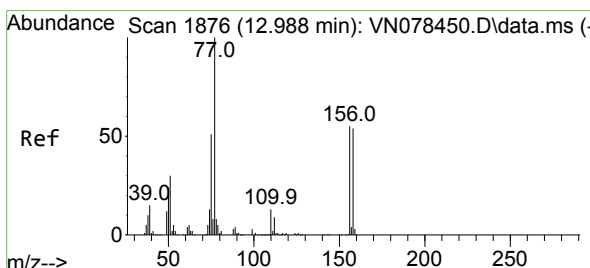
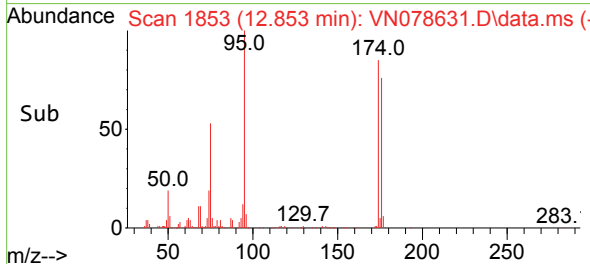
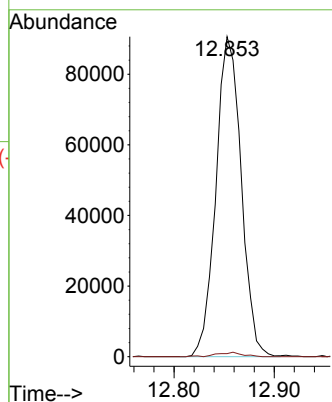
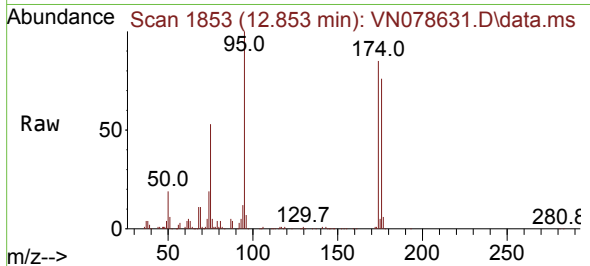




#76
1,2,3-Trichloropropane
Concen: 25.692 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

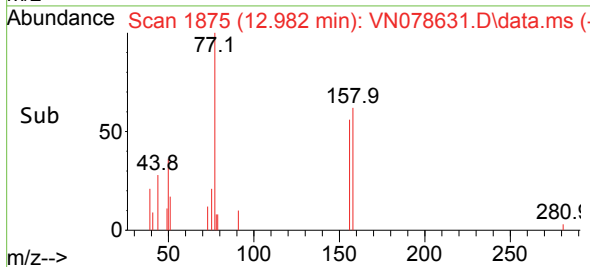
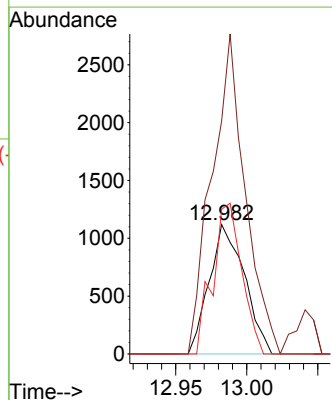
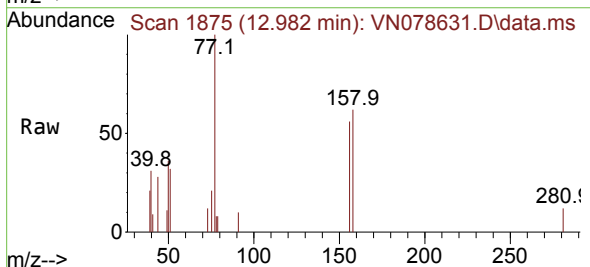
Instrument :
MSVOA_N
ClientSampleId :
VN0724MBL01

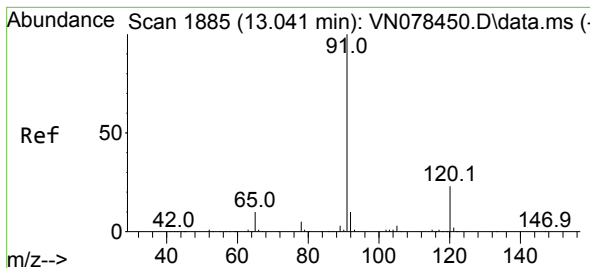
Tgt Ion: 75 Resp: 158648
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#77
Bromobenzene
Concen: Below Cal
RT: 12.982 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

Tgt Ion: 156 Resp: 1928
Ion Ratio Lower Upper
156 100
77 234.3 107.7 323.3
158 96.3 48.4 145.3





#78

n-propylbenzene

Concen: 0.243 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN078631.D

Acq: 24 Jul 2023 11:53

Instrument :

MSVOA_N

ClientSampleId :

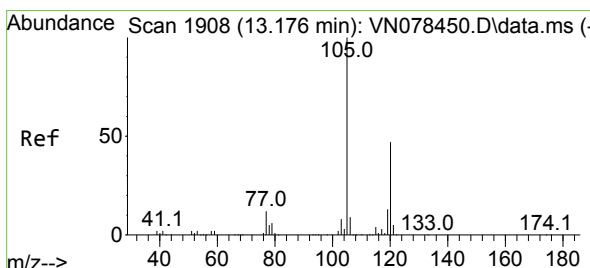
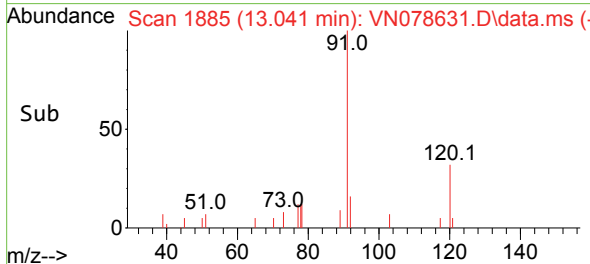
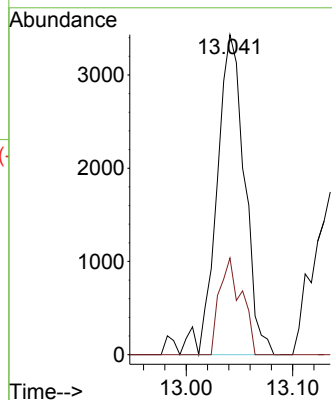
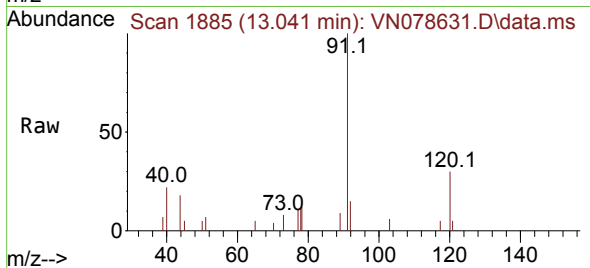
VN0724MBL01

Tgt Ion: 91 Resp: 6235

Ion Ratio Lower Upper

91 100

120 23.9 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 0.254 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN078631.D

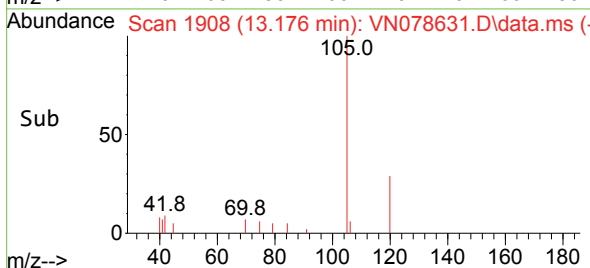
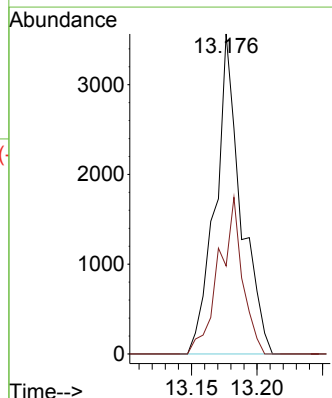
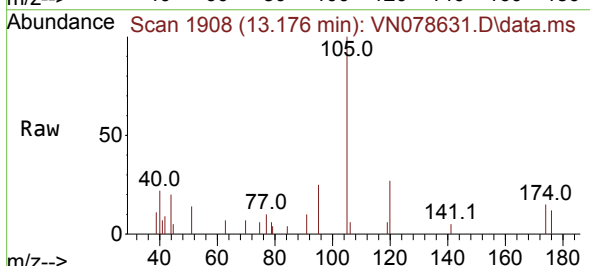
Acq: 24 Jul 2023 11:53

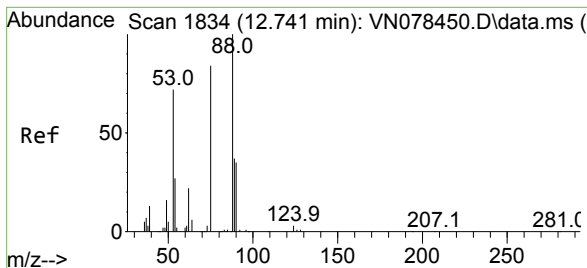
Tgt Ion: 105 Resp: 4822

Ion Ratio Lower Upper

105 100

120 45.2 24.1 72.3

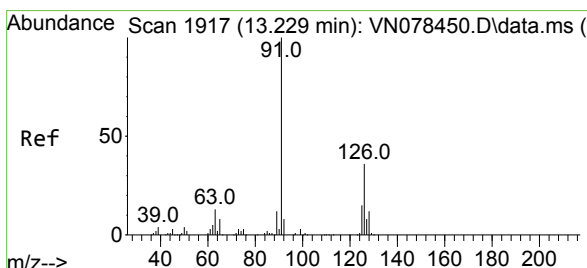
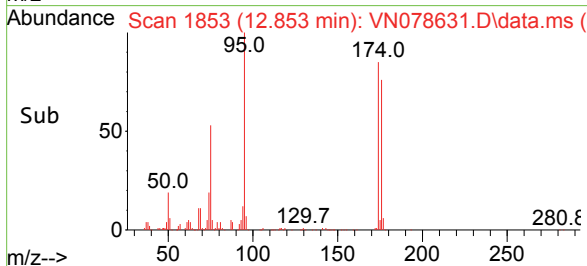
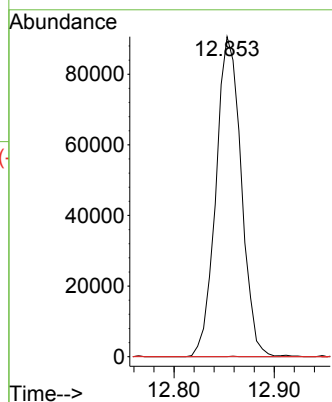
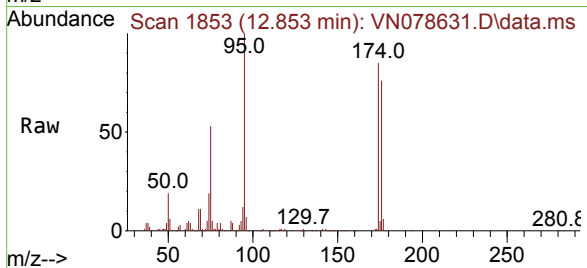




#81
trans-1,4-Dichloro-2-butene
Concen: 67.514 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

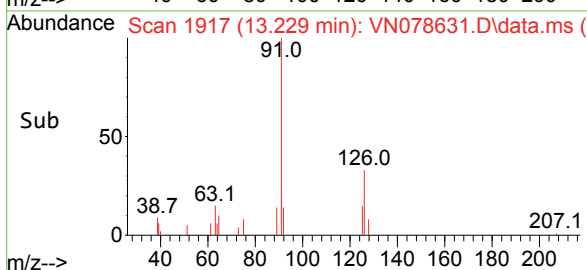
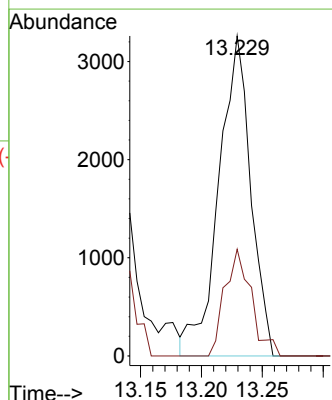
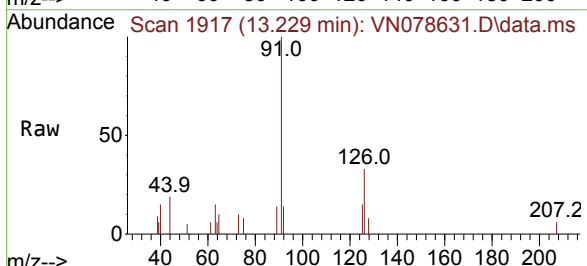
Instrument :
MSVOA_N
ClientSampleId :
VN0724MBL01

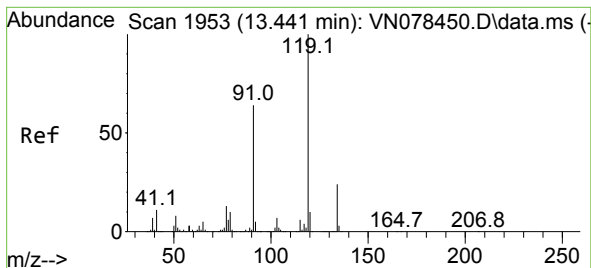
Tgt Ion: 75 Resp: 158648
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#82
4-Chlorotoluene
Concen: 0.378 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

Tgt Ion: 91 Resp: 5932
Ion Ratio Lower Upper
91 100
126 27.7 16.7 50.0





#83

tert-Butylbenzene

Concen: 0.242 ug/l

RT: 13.441 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VN078631.D

Acq: 24 Jul 2023 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN0724MBL01

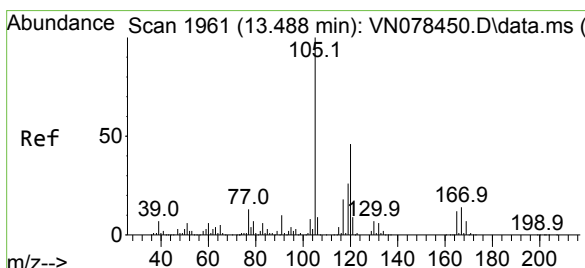
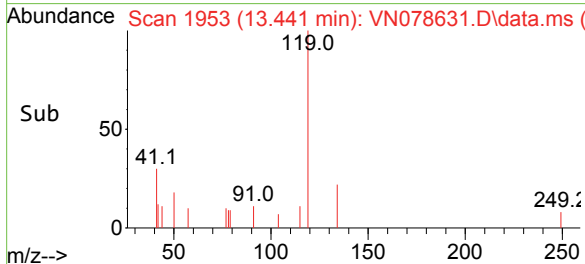
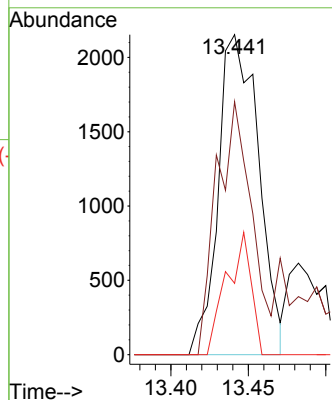
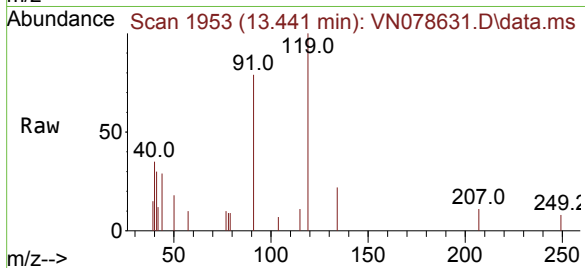
Tgt Ion:119 Resp: 3899

Ion Ratio Lower Upper

119 100

91 69.0 33.9 101.7

134 23.2 13.2 39.6



#84

1,2,4-Trimethylbenzene

Concen: 0.336 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VN078631.D

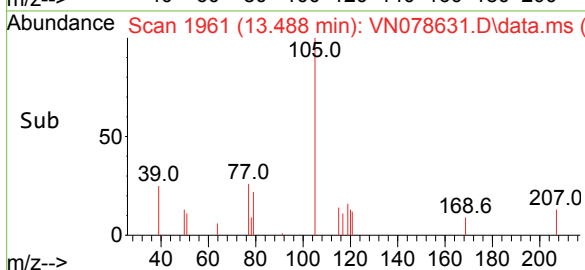
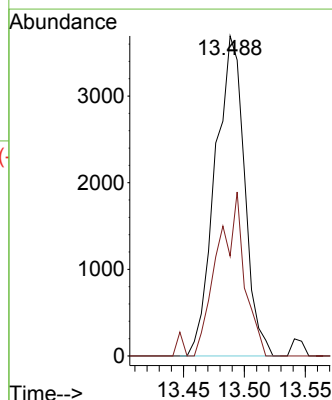
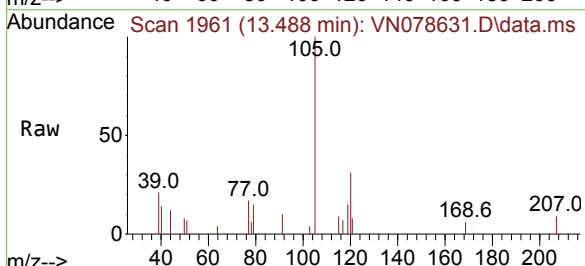
Acq: 24 Jul 2023 11:53

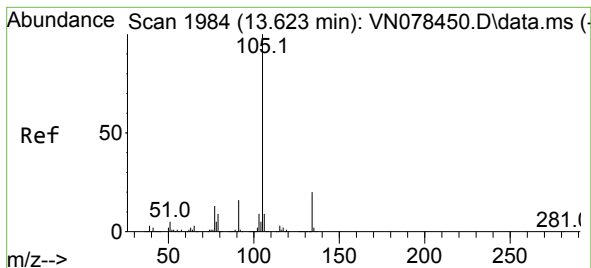
Tgt Ion:105 Resp: 6186

Ion Ratio Lower Upper

105 100

120 46.8 22.0 66.0





#85

sec-Butylbenzene

Concen: 0.359 ug/l

RT: 13.623 min Scan# 1984

Delta R.T. 0.000 min

Lab File: VN078631.D

Acq: 24 Jul 2023 11:53

Instrument :

MSVOA_N

ClientSampleId :

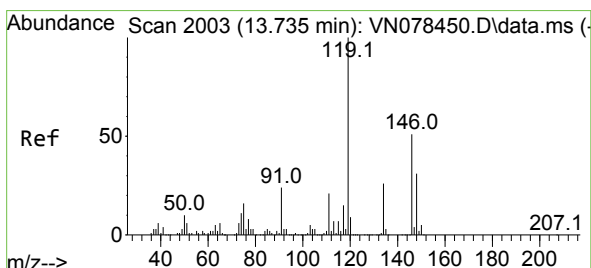
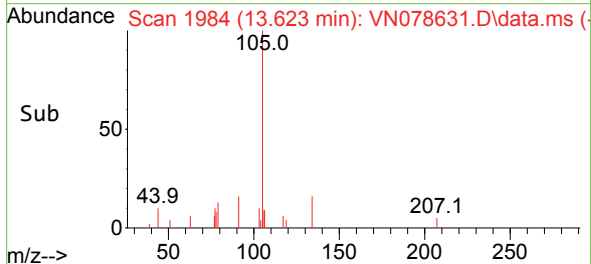
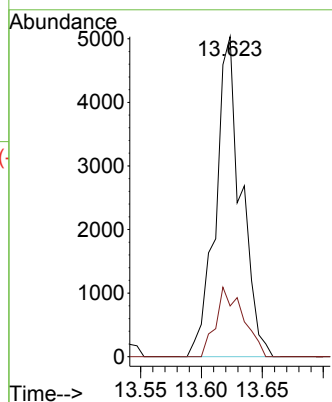
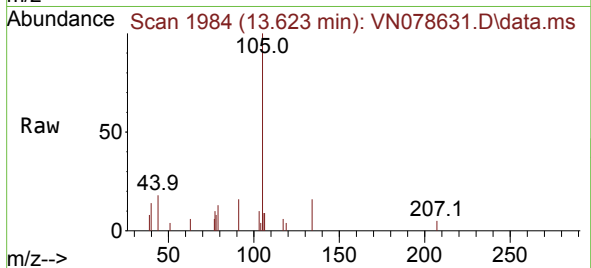
VN0724MBL01

Tgt Ion:105 Resp: 7307

Ion Ratio Lower Upper

105 100

134 23.2 9.8 29.3



#86

p-Isopropyltoluene

Concen: 0.366 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN078631.D

Acq: 24 Jul 2023 11:53

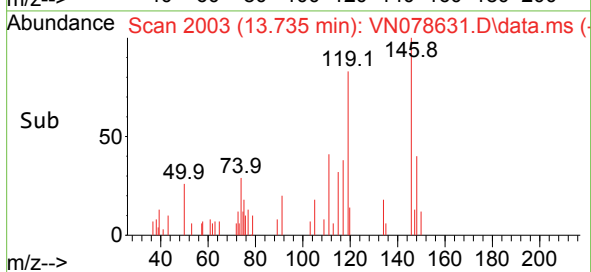
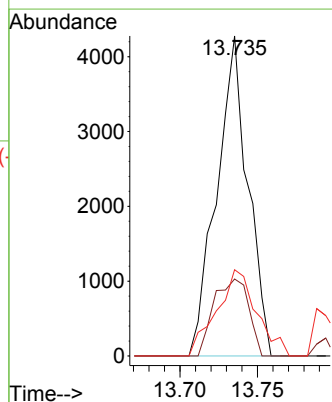
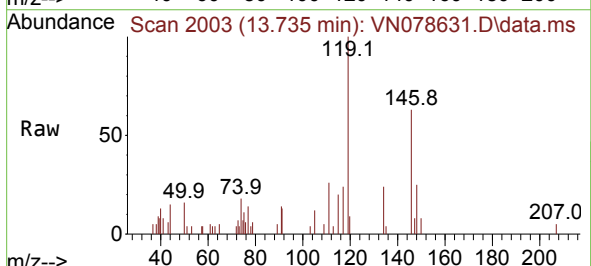
Tgt Ion:119 Resp: 5979

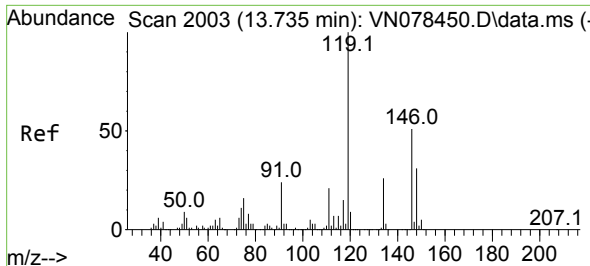
Ion Ratio Lower Upper

119 100

134 26.8 12.6 37.8

91 34.5 12.4 37.2

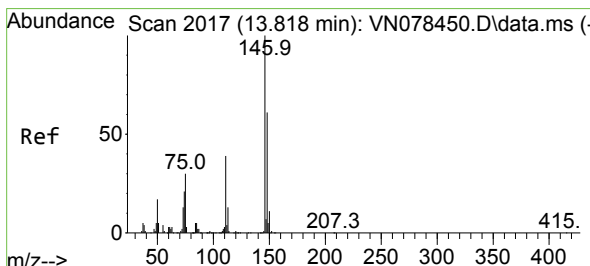
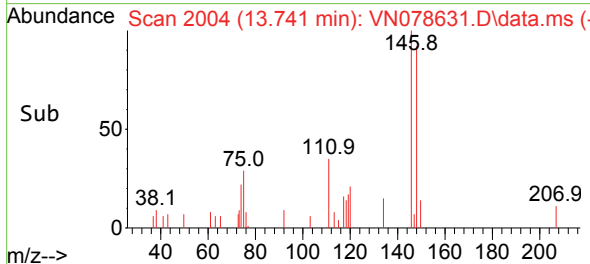
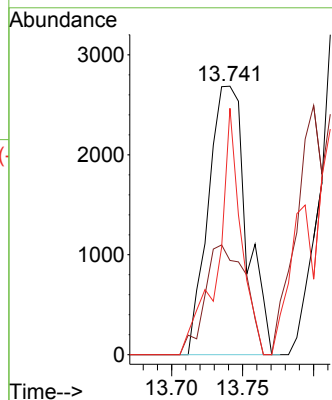
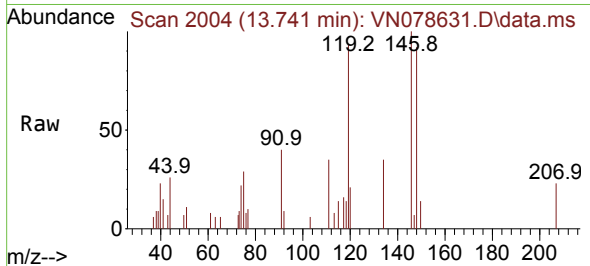




#87
1,3-Dichlorobenzene
Concen: 0.546 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.006 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

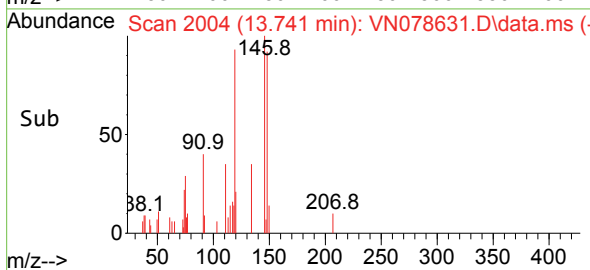
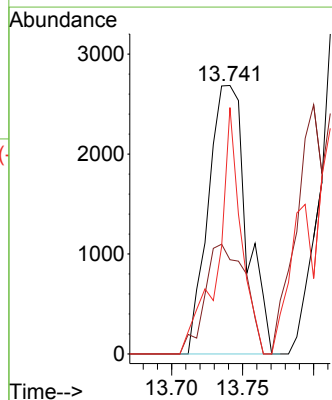
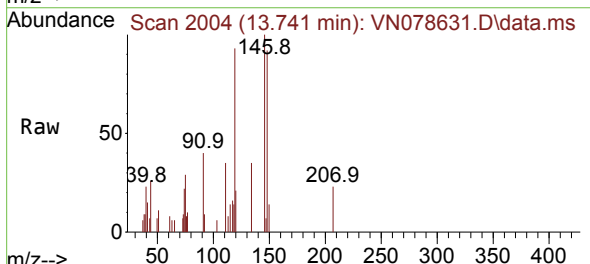
Instrument :
MSVOA_N
ClientSampleId :
VN0724MBL01

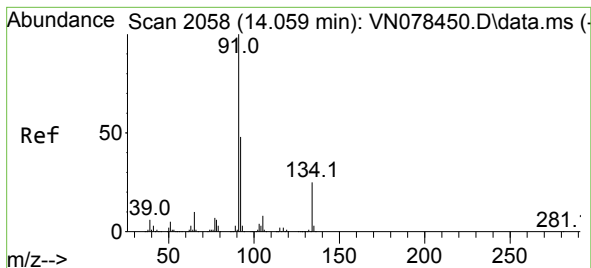
Tgt Ion:146 Resp: 5029
Ion Ratio Lower Upper
146 100
111 43.0 22.1 66.3
148 55.5 32.0 96.0



#88
1,4-Dichlorobenzene
Concen: 0.542 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. -0.077 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

Tgt Ion:146 Resp: 5029
Ion Ratio Lower Upper
146 100
111 43.0 20.6 61.8
148 55.5 31.6 94.8





#89

n-Butylbenzene

Concen: 0.965 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VN078631.D

Acq: 24 Jul 2023 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN0724MBL01

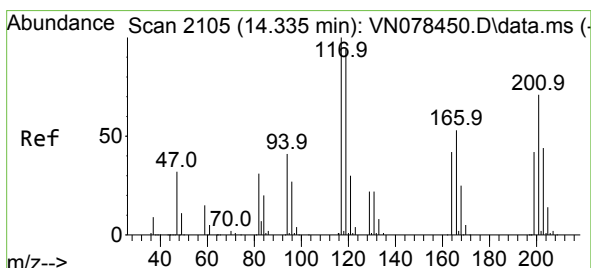
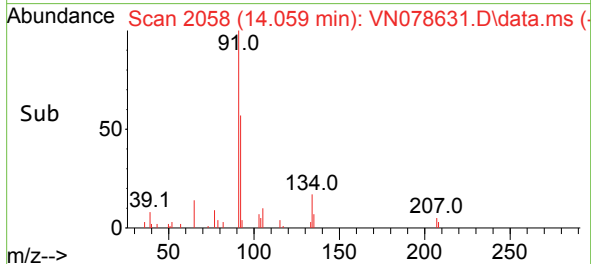
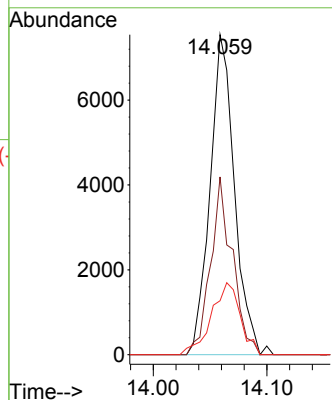
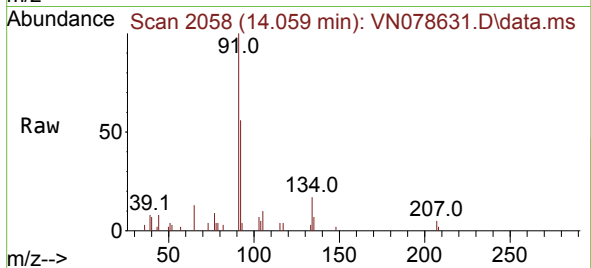
Tgt Ion: 91 Resp: 11286

Ion Ratio Lower Upper

91 100

92 49.5 26.4 79.0

134 26.5 12.6 37.6



#90

Hexachloroethane

Concen: Below Cal

RT: 14.341 min Scan# 2106

Delta R.T. 0.006 min

Lab File: VN078631.D

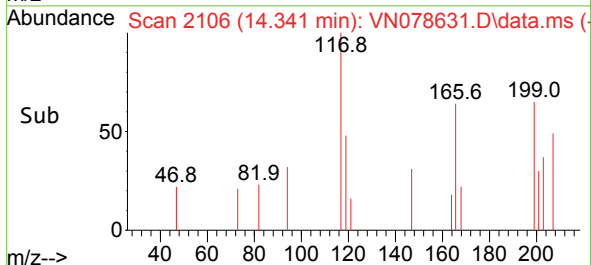
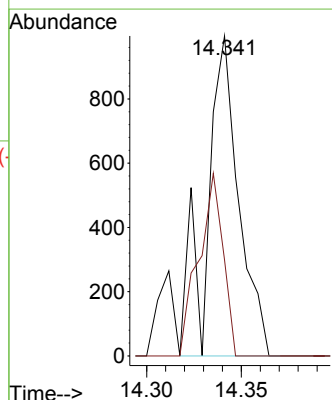
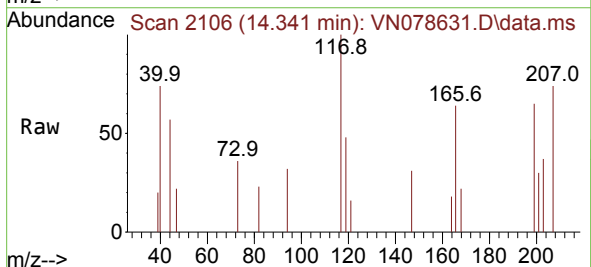
Acq: 24 Jul 2023 11:53

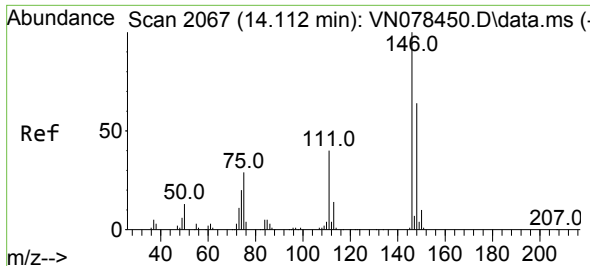
Tgt Ion: 117 Resp: 1166

Ion Ratio Lower Upper

117 100

201 43.5 29.3 88.0

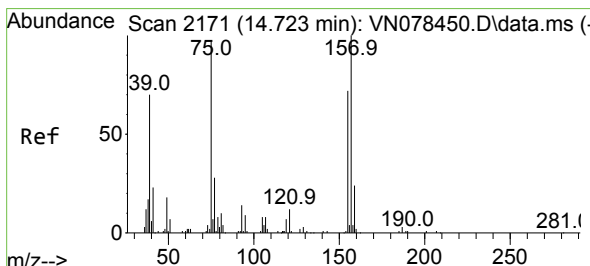
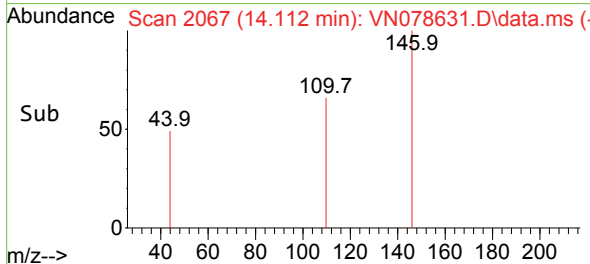
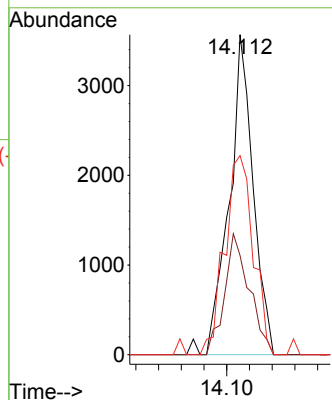
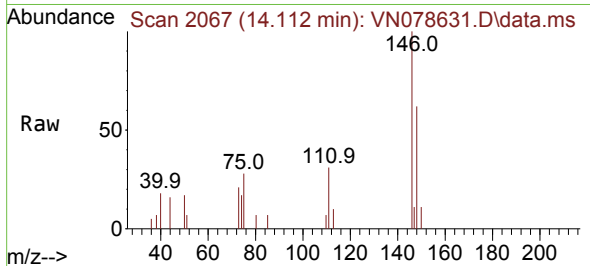




#91
 1,2-Dichlorobenzene
 Concen: 0.571 ug/l
 RT: 14.112 min Scan# 2067
 Delta R.T. -0.000 min
 Lab File: VN078631.D
 Acq: 24 Jul 2023 11:53

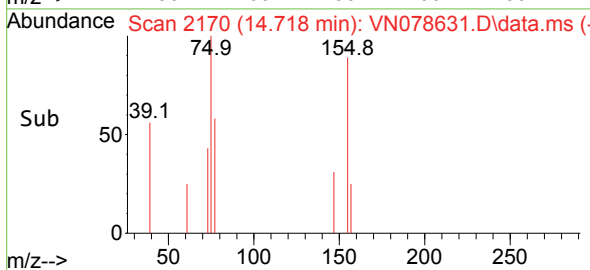
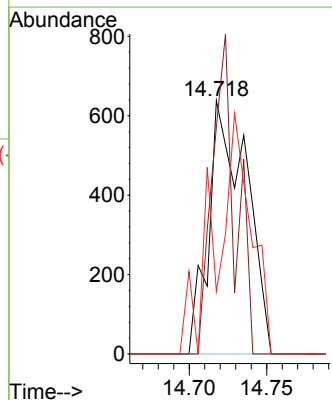
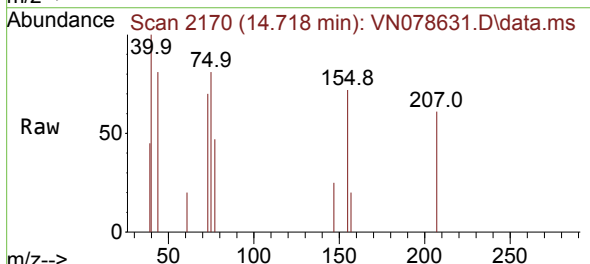
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724MBL01

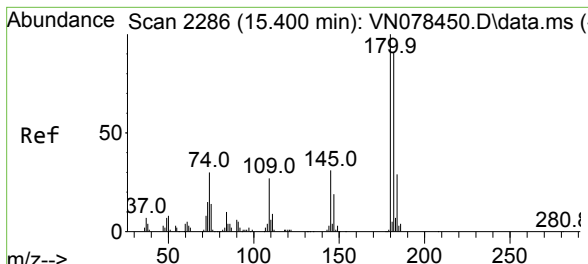
Tgt Ion:146 Resp: 5235
 Ion Ratio Lower Upper
 146 100
 111 38.9 22.0 66.0
 148 74.2 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.718 min Scan# 2170
 Delta R.T. -0.005 min
 Lab File: VN078631.D
 Acq: 24 Jul 2023 11:53

Tgt Ion: 75 Resp: 1084
 Ion Ratio Lower Upper
 75 100
 155 76.0 39.1 117.2
 157 88.5 50.3 150.9

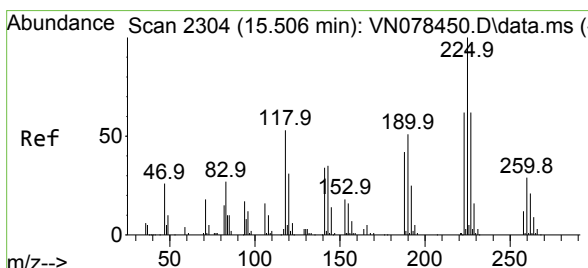
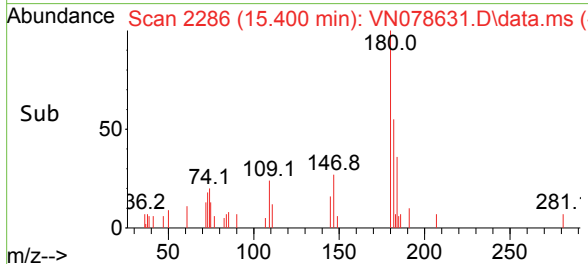
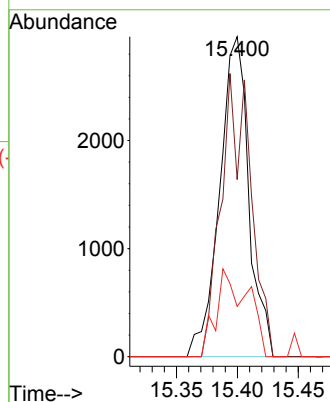
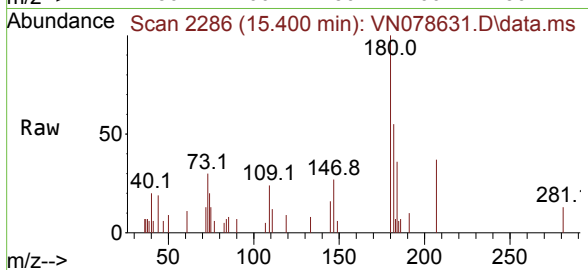




#93
 1,2,4-Trichlorobenzene
 Concen: 1.688 ug/l
 RT: 15.400 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN078631.D
 Acq: 24 Jul 2023 11:53

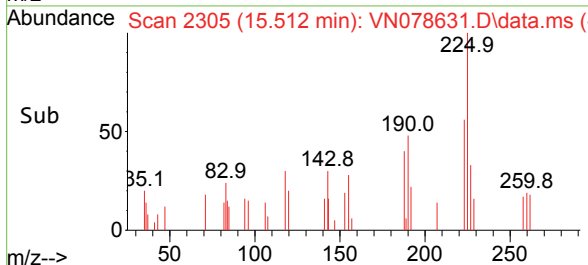
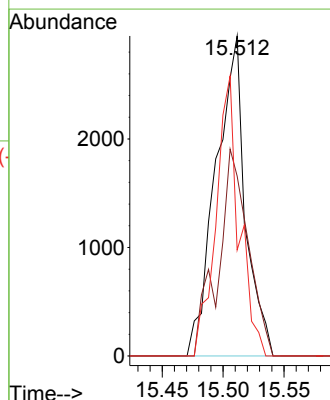
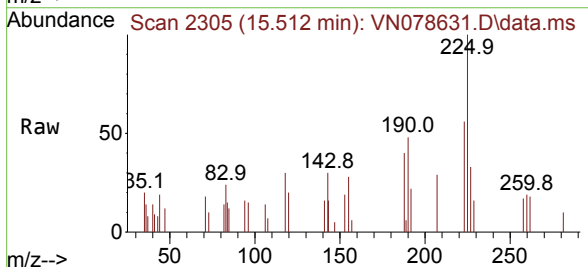
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724MBL01

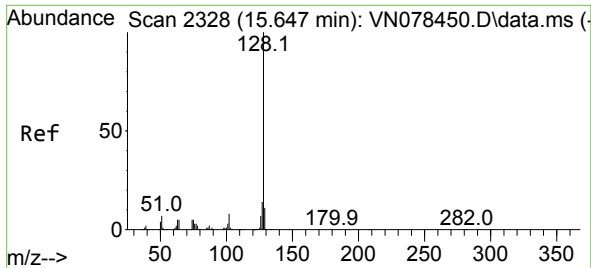
Tgt Ion:	180	Resp:	4940
Ion Ratio	Lower	Upper	
180	100		
182	89.7	46.1	138.2
145	29.7	16.6	49.8



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.512 min Scan# 2305
 Delta R.T. 0.006 min
 Lab File: VN078631.D
 Acq: 24 Jul 2023 11:53

Tgt Ion:	225	Resp:	4983
Ion Ratio	Lower	Upper	
225	100		
223	66.0	31.3	93.8
227	68.9	31.9	95.9

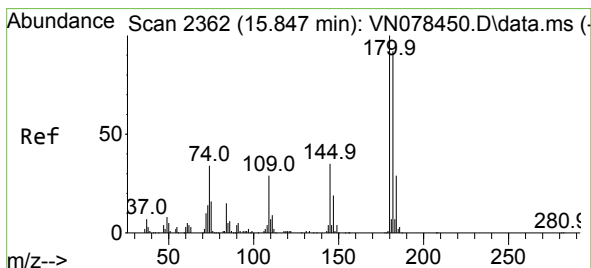
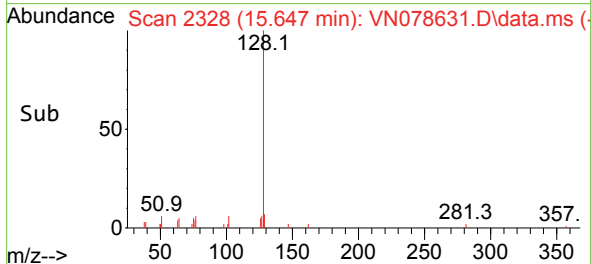
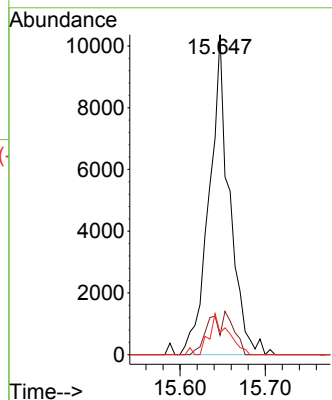
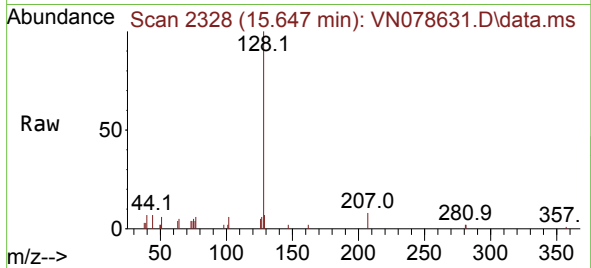




#95
Naphthalene
Concen: 1.707 ug/l
RT: 15.647 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0724MBL01

Tgt Ion:128 Resp: 17085
Ion Ratio Lower Upper
128 100
127 8.7 10.0 15.0#
129 11.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.013 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.006 min
Lab File: VN078631.D
Acq: 24 Jul 2023 11:53

Tgt Ion:180 Resp: 6776
Ion Ratio Lower Upper
180 100
182 95.6 46.2 138.6
145 37.8 17.5 52.6

