

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071923\
 Data File : VN078581.D
 Acq On : 19 Jul 2023 16:43
 Operator : JC\MD
 Sample : 03668-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 N48719

Quant Time: Jul 20 01:34:30 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	418654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	765271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	712559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	321277	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	268866	47.905	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.800%
35) Dibromofluoromethane	8.177	113	269218	51.824	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.640%
50) Toluene-d8	10.571	98	936205	47.705	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.420%
62) 4-Bromofluorobenzene	12.853	95	349231	57.773	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	115.540%

Target Compounds				Qvalue		
3) Chloromethane	2.371	50	1560	0.280	ug/l	91
5) Bromomethane	2.989	94	2033	Below Cal	#	55
6) Chloroethane	3.136	64	676	Below Cal	#	43
11) Tert butyl alcohol	5.524	59	837	0.967	ug/l	# 72
13) Acrolein	4.183	56	246	0.289	ug/l	# 1
15) Acrylonitrile	5.818	53	2857	1.307	ug/l	# 20
16) Acetone	4.448	43	23678	13.543	ug/l	# 88
18) Methyl Acetate	5.059	43	1741	0.235	ug/l	# 48
25) 2-Butanone	7.506	43	8238	2.993	ug/l	# 80
26) 2,2-Dichloropropane	7.324	77	5558	0.746	ug/l	# 53
29) Tetrahydrofuran	7.847	42	3223	1.785	ug/l	# 60
31) Cyclohexane	8.265	56	361732	47.690	ug/l	94
36) 1,1-Dichloropropene	8.230	75	34448	4.592	ug/l	# 49
37) Ethyl Acetate	7.506	43	8238	1.317	ug/l	# 63
38) Carbon Tetrachloride	8.236	117	45963	5.638	ug/l	# 15
39) Methylcyclohexane	9.606	83	776408	113.397	ug/l	93
40) Benzene	8.606	78	16552	0.745	ug/l	97
42) 1,2-Dichloroethane	8.677	62	2542	0.336	ug/l	# 73
43) Isopropyl Acetate	8.718	43	31816	3.091	ug/l	# 49
45) 1,2-Dichloropropane	9.600	63	9253	1.644	ug/l	# 1
48) Methyl methacrylate	9.782	41	43895	9.203	ug/l	# 63
51) 4-Methyl-2-Pentanone	10.447	43	2871	0.469	ug/l	95
52) Toluene	10.629	92	24759	1.798	ug/l	89
55) 1,1,2-Trichloroethane	11.012	97	44268	8.158	ug/l	# 21
58) 2-Chloroethyl Vinyl ether	10.171	63	541	0.200	ug/l	# 42
59) 2-Hexanone	11.182	43	3944	0.906	ug/l	# 57
67) Ethyl Benzene	11.971	91	205054	7.616	ug/l	96
68) m/p-Xylenes	12.076	106	43539	4.374	ug/l	100
69) o-Xylene	12.400	106	32552	3.238	ug/l	88
70) Styrene	12.412	104	3586	0.228	ug/l	# 1
71) Bromoform	12.847	173	994	0.240	ug/l	# 1
73) Isopropylbenzene	12.700	105	254192	8.420	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.923	83	1547	Below Cal	#	30
76) 1,2,3-Trichloropropane	12.853	75	178635	23.003	ug/l	# 1
77) Bromobenzene	12.971	156	68	Below Cal	#	1
78) n-propylbenzene	13.041	91	290218	8.989	ug/l	99

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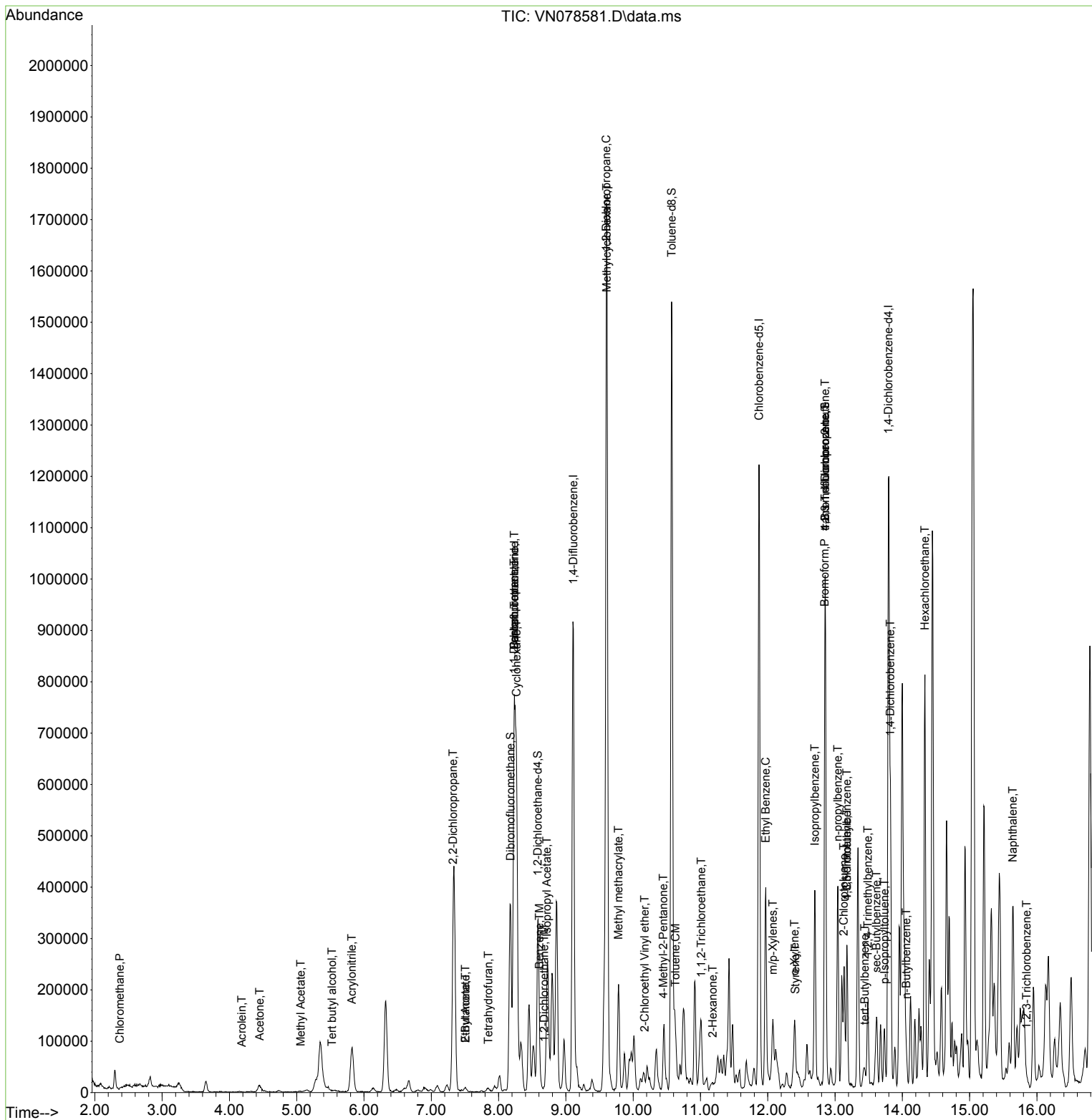
Quant Time: Jul 20 01:34:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
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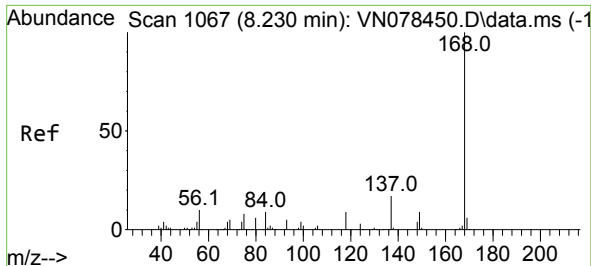
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

79) 2-Chlorotoluene	13.129	91	17797	0.842	ug/l #	42
80) 1,3,5-Trimethylbenzene	13.176	105	134107	5.622	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.853	75	178635	60.448	ug/l #	15
82) 4-Chlorotoluene	13.176	91	15204	0.771	ug/l #	41
83) tert-Butylbenzene	13.441	119	12064	0.596	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	98748	4.262	ug/l	97
85) sec-Butylbenzene	13.618	105	86710	3.387	ug/l	83
86) p-Isopropyltoluene	13.735	119	59338	2.887	ug/l	97
88) 1,4-Dichlorobenzene	13.823	146	2471	0.212	ug/l #	25
89) n-Butylbenzene	14.059	91	27464	1.867	ug/l #	71
90) Hexachloroethane	14.335	117	41919	10.451	ug/l #	21
92) 1,2-Dibromo-3-Chloropr...	14.747	75	332	Below Cal	#	4
94) Hexachlorobutadiene	15.512	225	58	Below Cal	#	1
95) Naphthalene	15.641	128	336996	26.780	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	868	0.205	ug/l #	35

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

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QLast Update : Mon Jul 10 16:13:53 2023
Response via : Initial Calibration

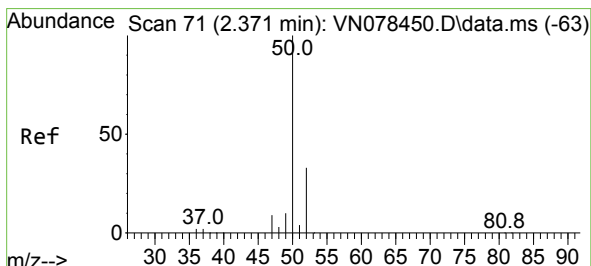
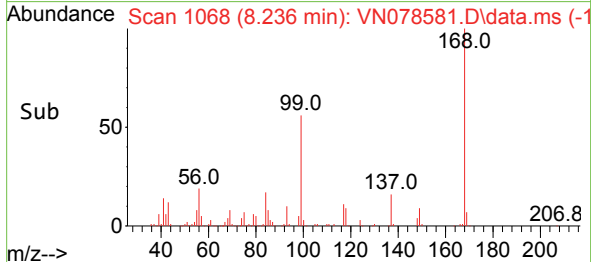
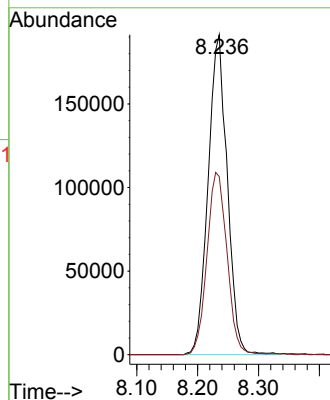
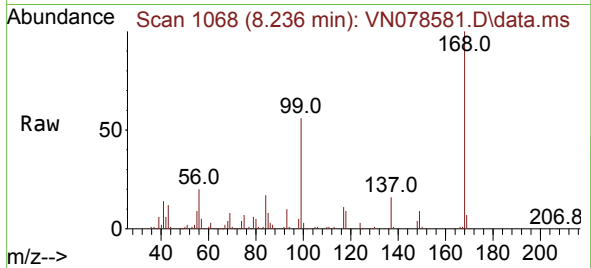




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. 0.006 min
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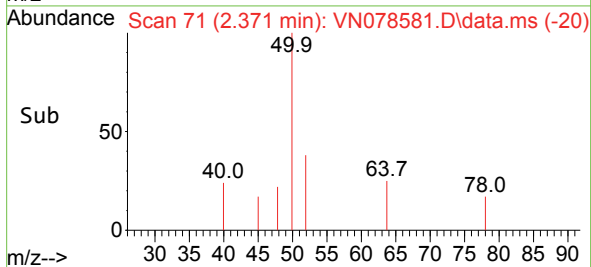
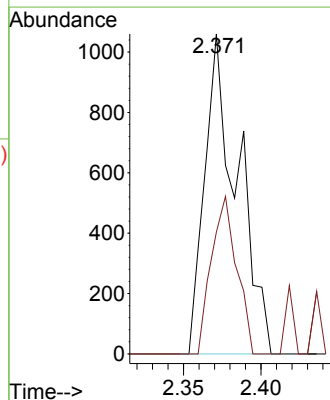
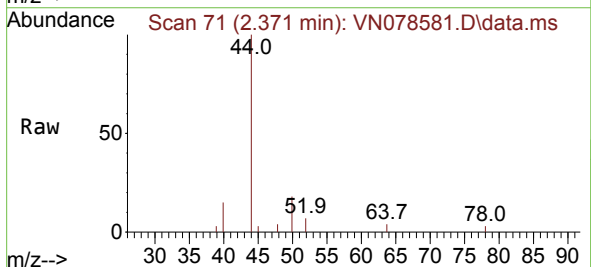
Instrument :
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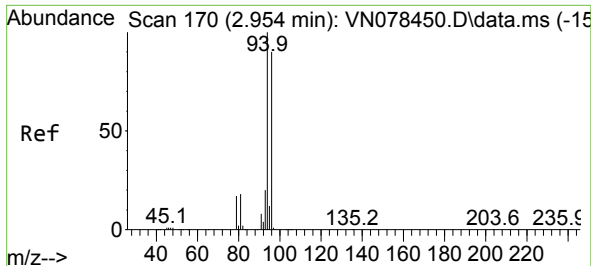
Tgt Ion:168 Resp: 418654
Ion Ratio Lower Upper
168 100
99 55.7 53.0 79.6



#3
Chloromethane
Concen: 0.280 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion: 50 Resp: 1560
Ion Ratio Lower Upper
50 100
52 38.0 26.5 39.7

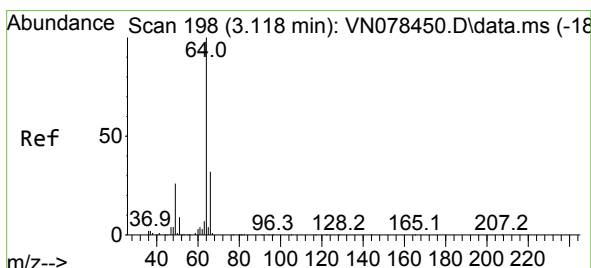
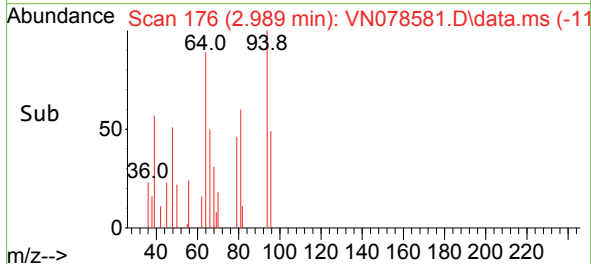
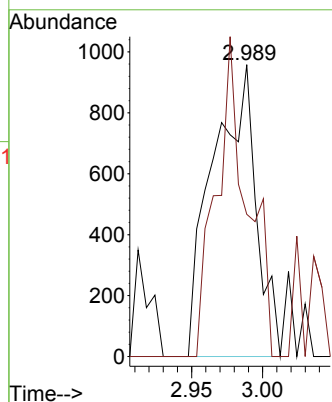
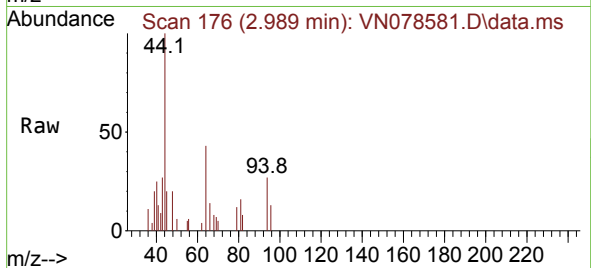




#5
Bromomethane
Concen: Below Cal
RT: 2.989 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

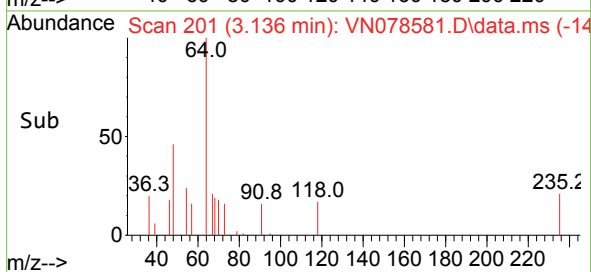
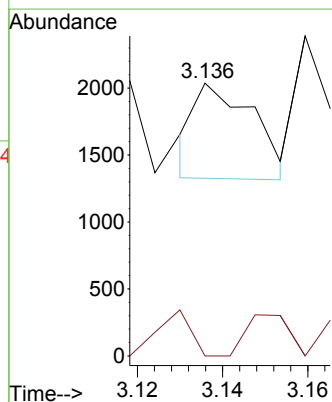
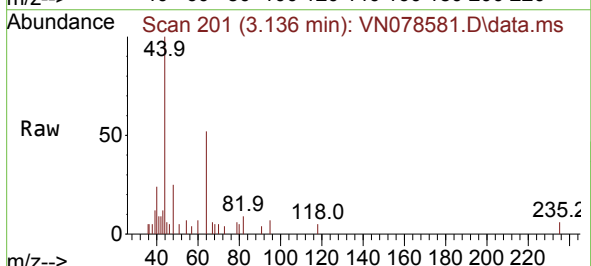
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MSVOA_N
ClientSampleId :
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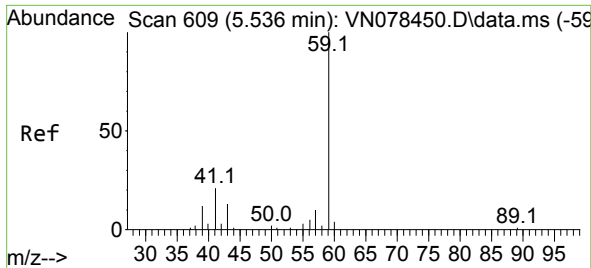
Tgt Ion: 94 Resp: 2033
Ion Ratio Lower Upper
94 100
96 48.7 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion: 64 Resp: 676
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

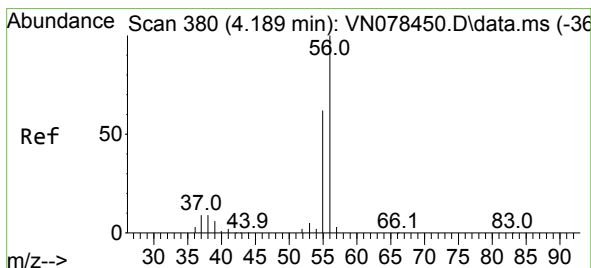
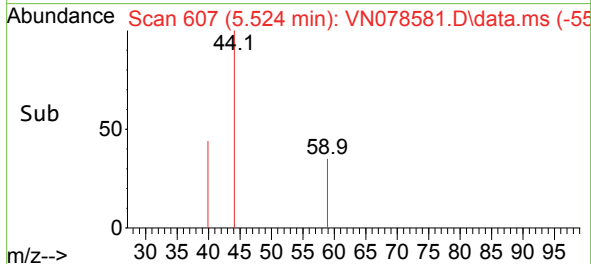
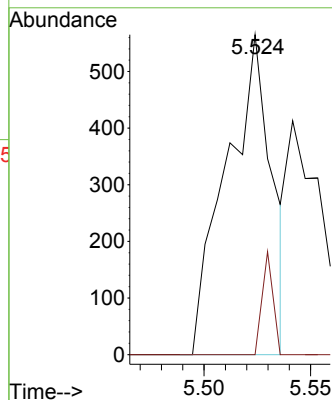
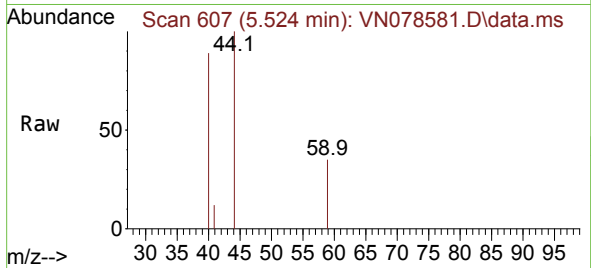




#11
Tert butyl alcohol
Concen: 0.967 ug/l
RT: 5.524 min Scan# 609
Delta R.T. -0.012 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

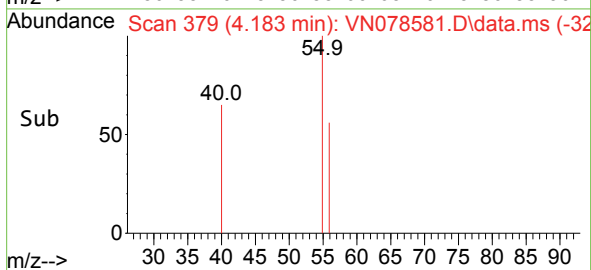
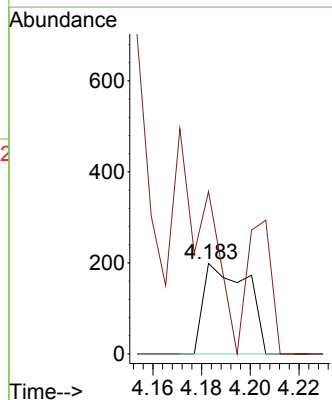
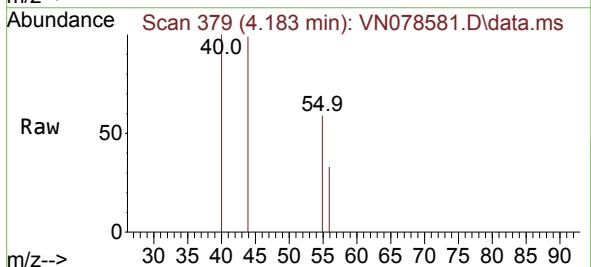
Instrument :
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ClientSampleId :
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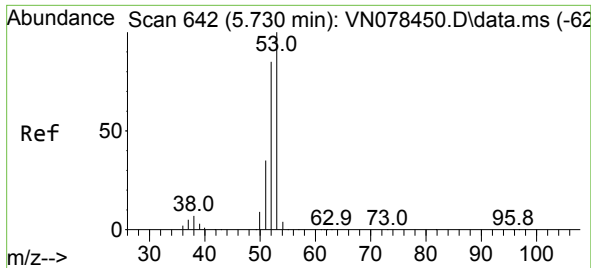
Tgt Ion: 59 Resp: 837
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.289 ug/l
RT: 4.183 min Scan# 379
Delta R.T. -0.006 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion: 56 Resp: 246
Ion Ratio Lower Upper
56 100
55 179.7 54.5 81.7#

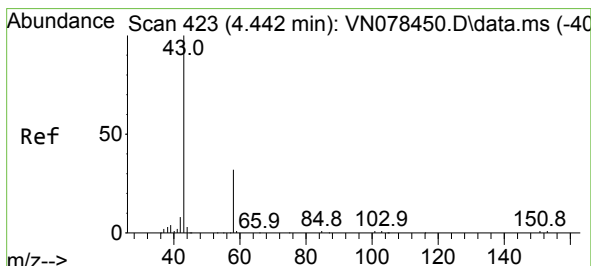
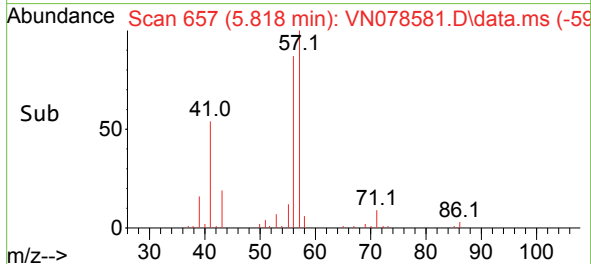
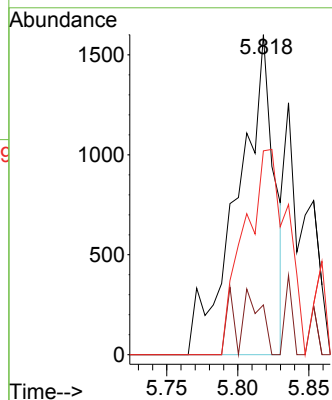
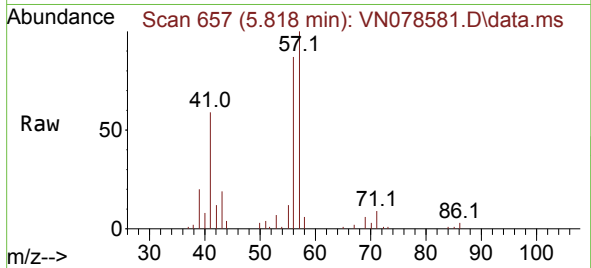




#15
Acrylonitrile
Concen: 1.307 ug/l
RT: 5.818 min Scan# 61
Delta R.T. 0.088 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

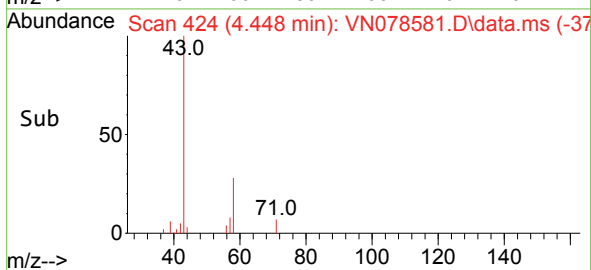
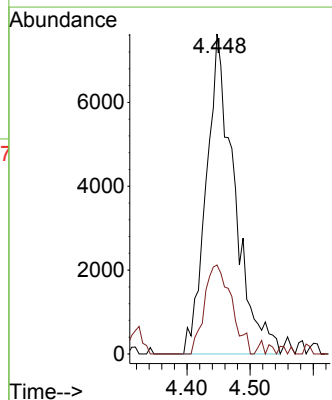
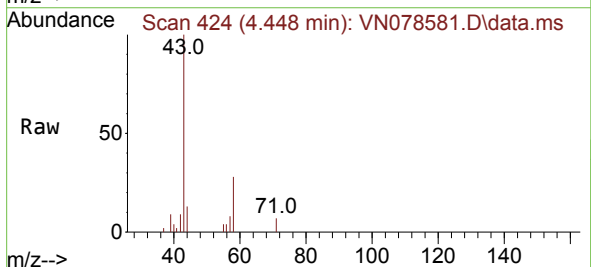
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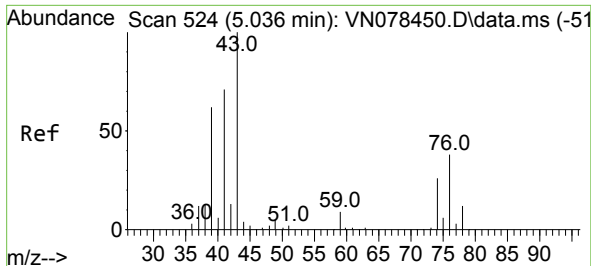
Tgt Ion: 53 Resp: 2857
Ion Ratio Lower Upper
53 100
52 4.9 65.3 97.9#
51 75.0 28.9 43.3#



#16
Acetone
Concen: 13.543 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.006 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion: 43 Resp: 23678
Ion Ratio Lower Upper
43 100
58 27.8 28.0 42.0#

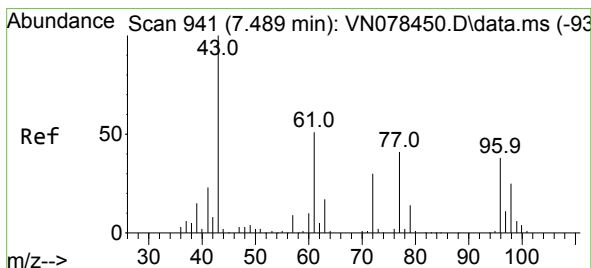
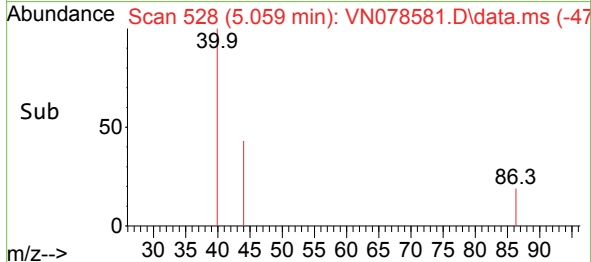
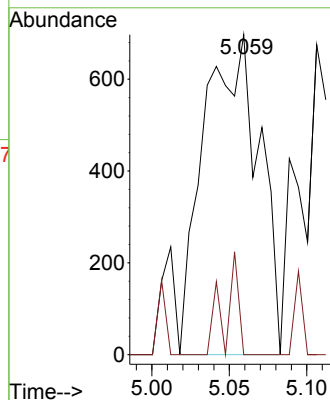
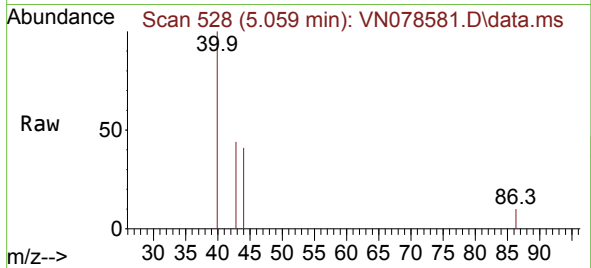




#18
Methyl Acetate
Concen: 0.235 ug/l
RT: 5.059 min Scan# 51
Delta R.T. 0.023 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

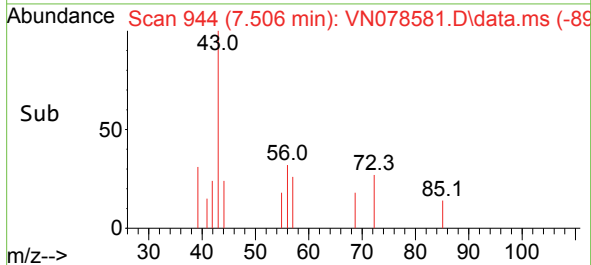
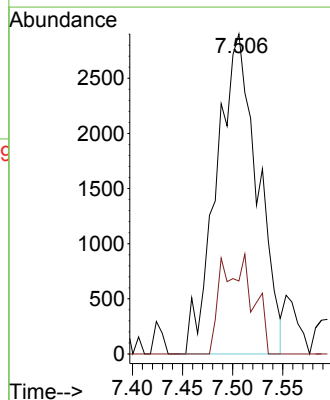
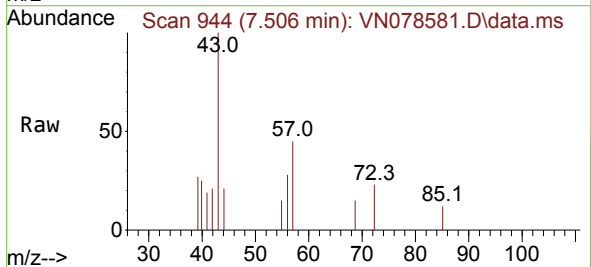
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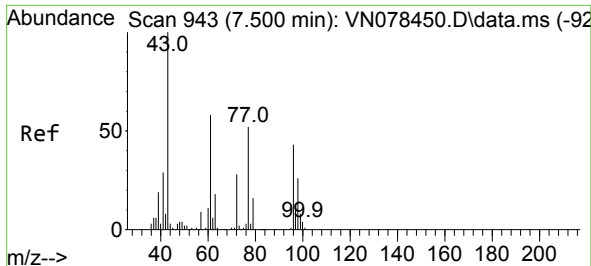
Tgt Ion: 43 Resp: 1741
Ion Ratio Lower Upper
43 100
74 3.2 26.2 39.4#



#25
2-Butanone
Concen: 2.993 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.017 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion: 43 Resp: 8238
Ion Ratio Lower Upper
43 100
72 25.6 30.2 45.2#

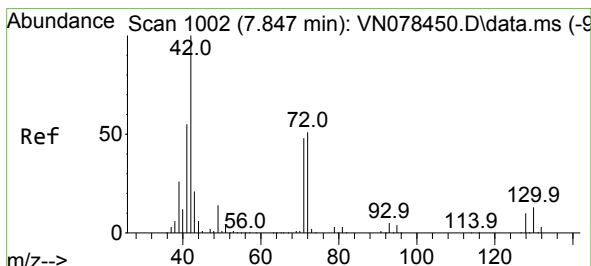
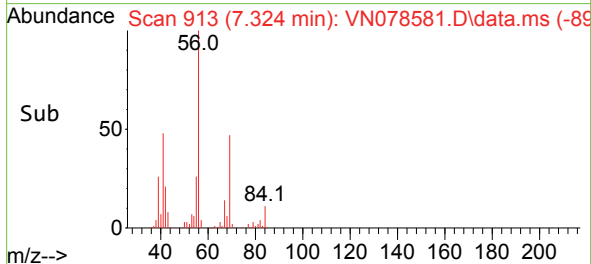
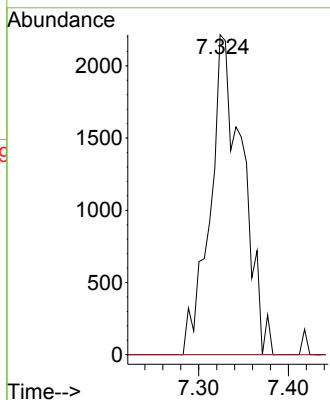
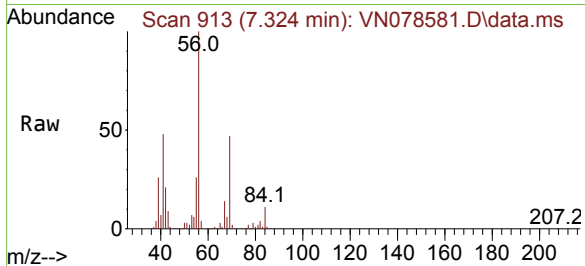




#26
2,2-Dichloropropane
Concen: 0.746 ug/l
RT: 7.324 min Scan# 913
Delta R.T. -0.176 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

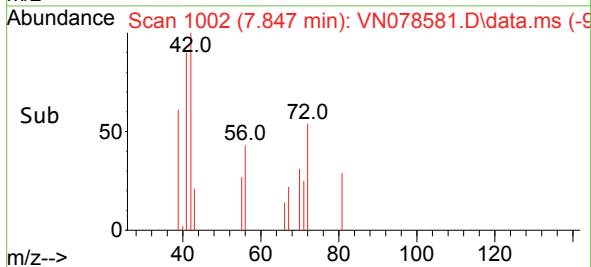
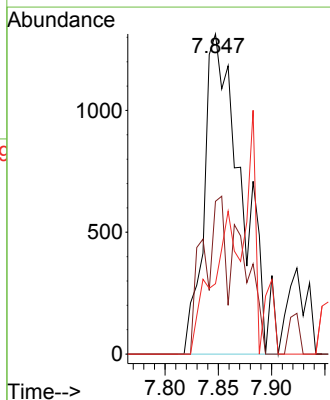
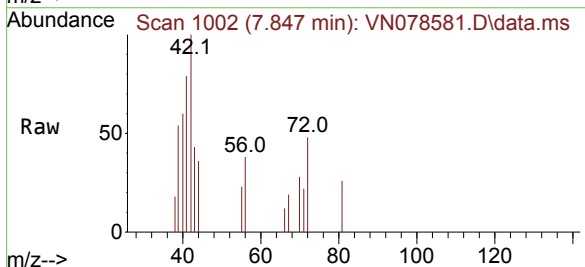
Instrument :
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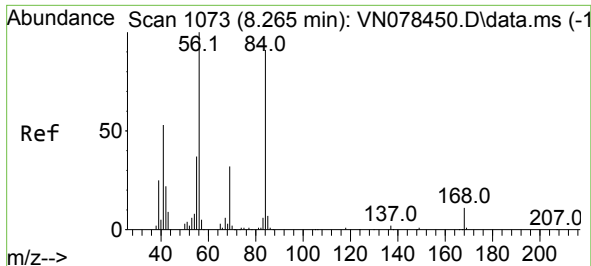
Tgt Ion: 77 Resp: 5558
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6#



#29
Tetrahydrofuran
Concen: 1.785 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion: 42 Resp: 3223
Ion Ratio Lower Upper
42 100
72 29.0 49.8 74.6#
71 31.2 47.4 71.2#

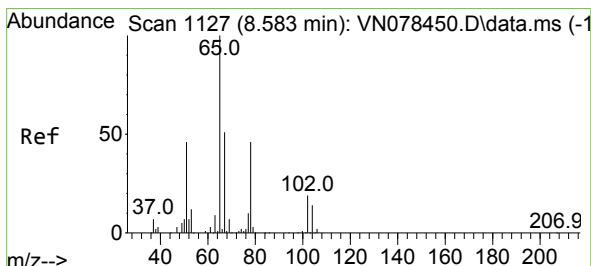
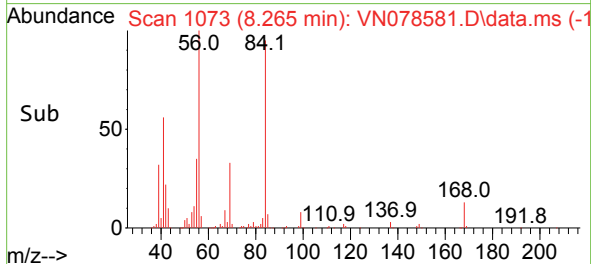
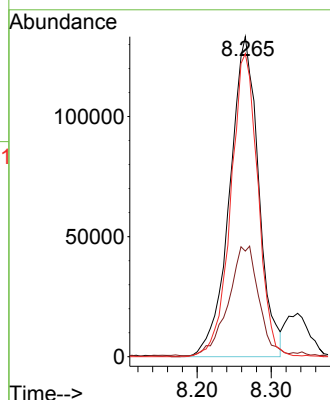
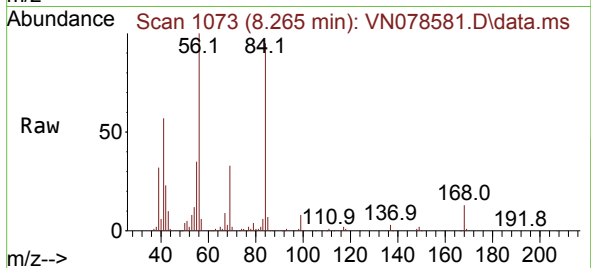




#31
Cyclohexane
Concen: 47.690 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. -0.000 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

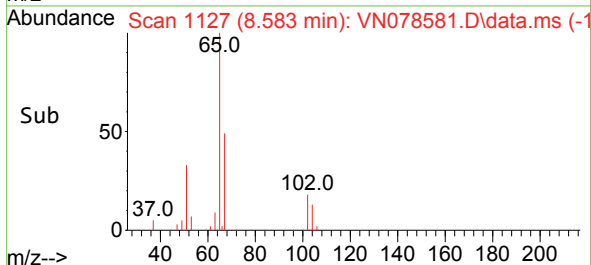
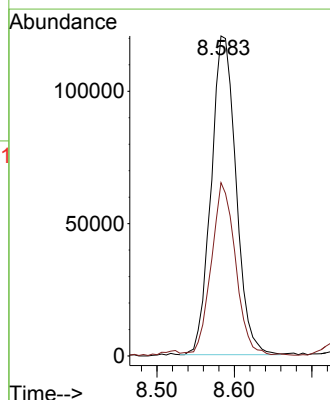
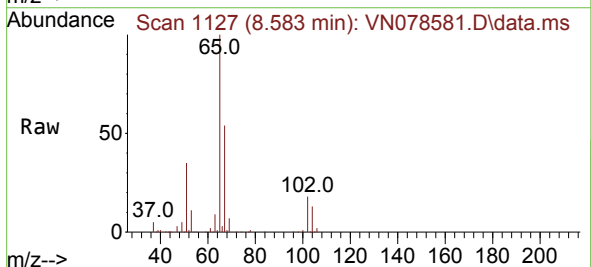
Instrument :
MSVOA_N
ClientSampleId :
N48719

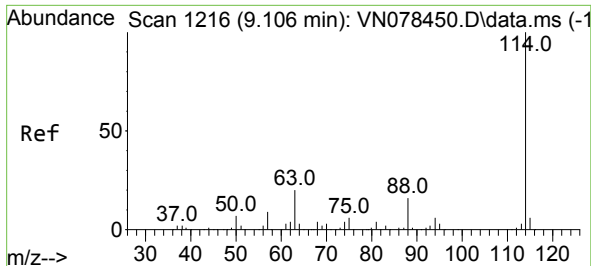
Tgt Ion: 56 Resp: 361732
Ion Ratio Lower Upper
56 100
69 32.6 26.8 40.2
84 94.7 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 47.905 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion: 65 Resp: 268866
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078581.D

Acq: 19 Jul 2023 16:43

Instrument :

MSVOA_N

ClientSampleId :

N48719

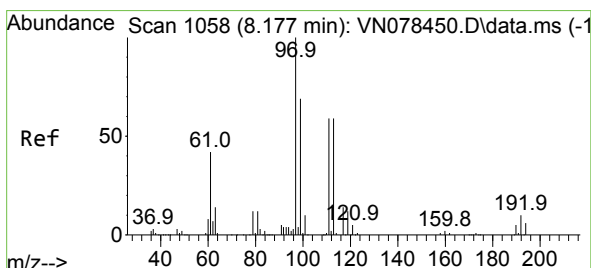
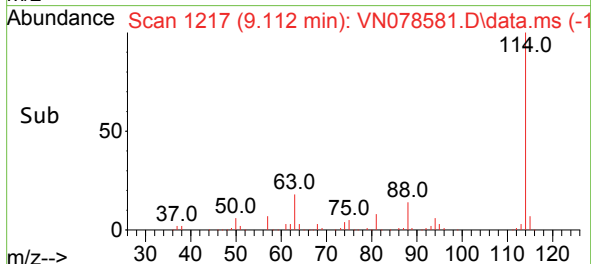
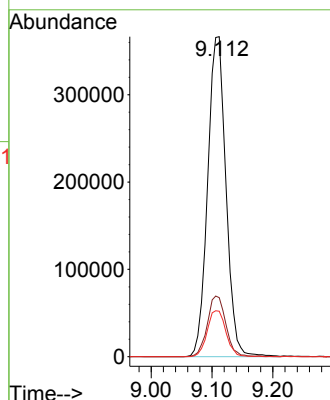
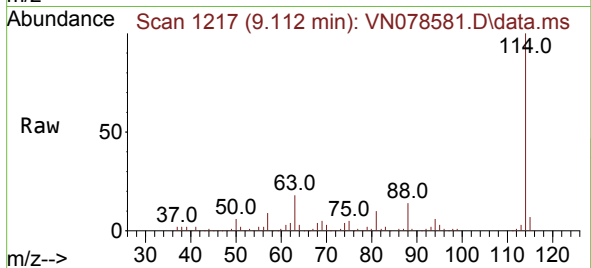
Tgt Ion:114 Resp: 765271

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.4

88 14.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.824 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078581.D

Acq: 19 Jul 2023 16:43

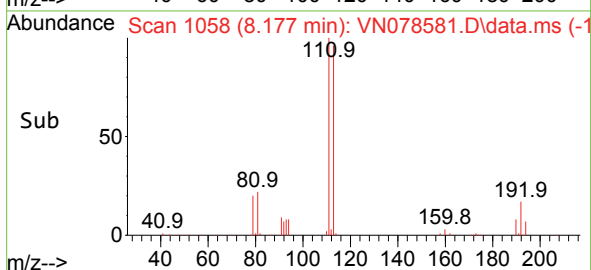
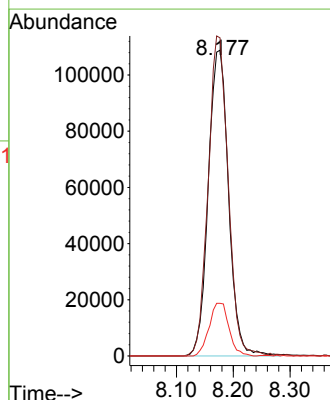
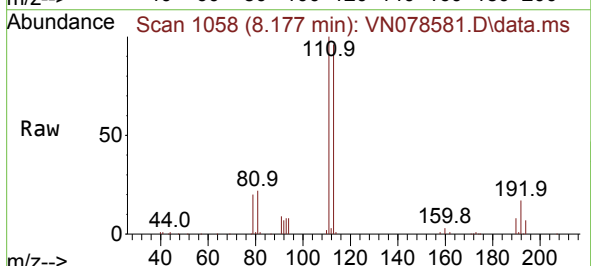
Tgt Ion:113 Resp: 269218

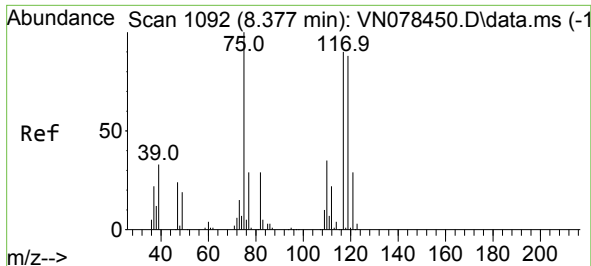
Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

192 16.9 12.7 19.1

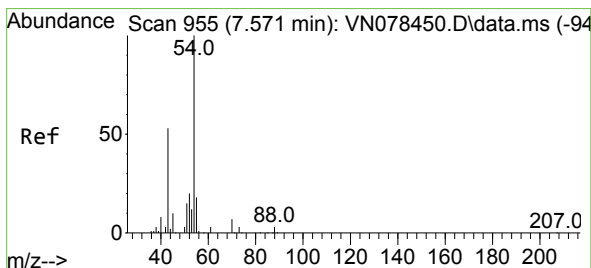
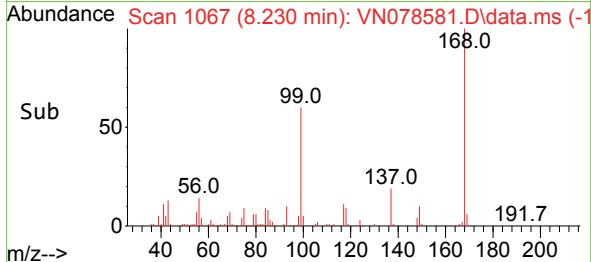
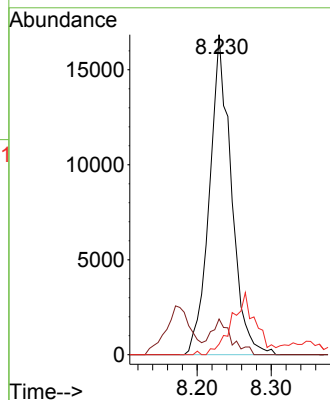
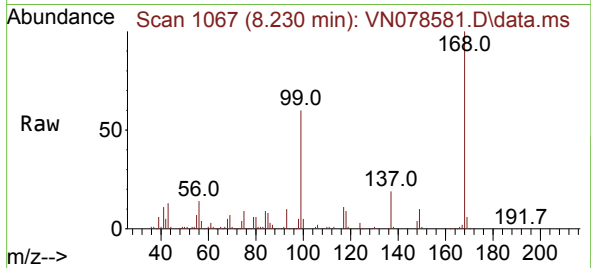




#36
1,1-Dichloropropene
Concen: 4.592 ug/l
RT: 8.230 min Scan# 1092
Delta R.T. -0.147 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

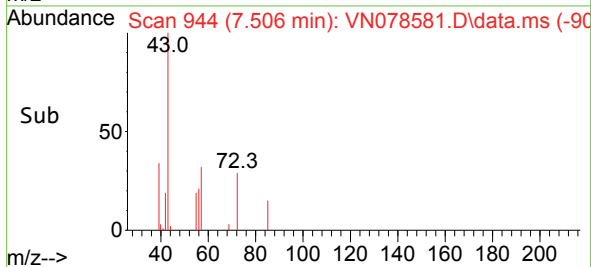
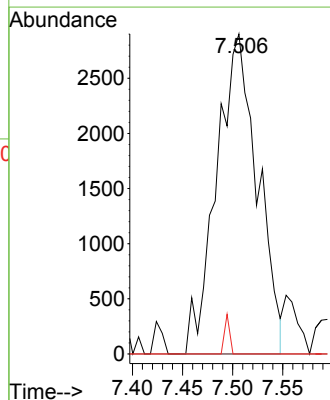
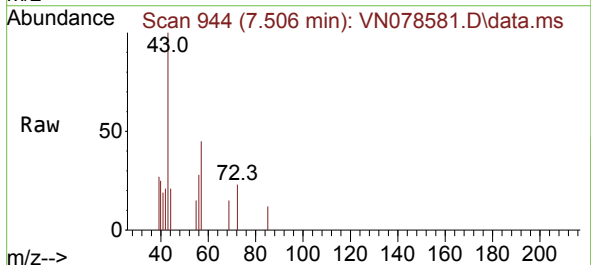
Instrument :
MSVOA_N
ClientSampleId :
N48719

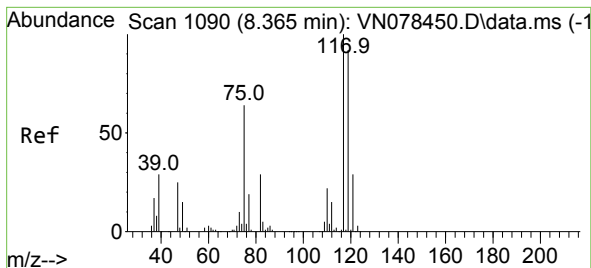
Tgt Ion: 75 Resp: 34448
Ion Ratio Lower Upper
75 100
110 10.6 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.317 ug/l
RT: 7.506 min Scan# 944
Delta R.T. -0.065 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion: 43 Resp: 8238
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 0.0 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.638 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.129 min

Lab File: VN078581.D

Acq: 19 Jul 2023 16:43

Instrument :

MSVOA_N

ClientSampleId :

N48719

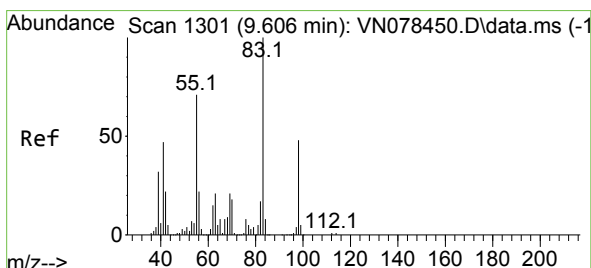
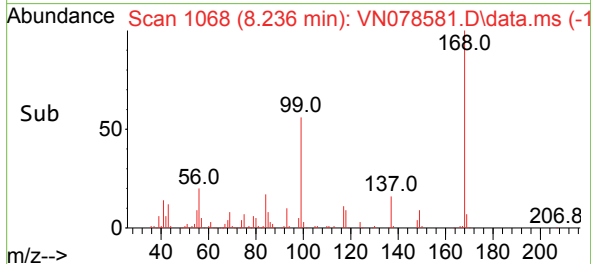
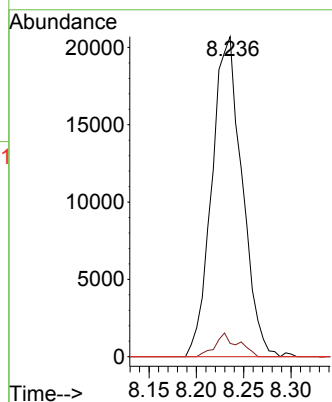
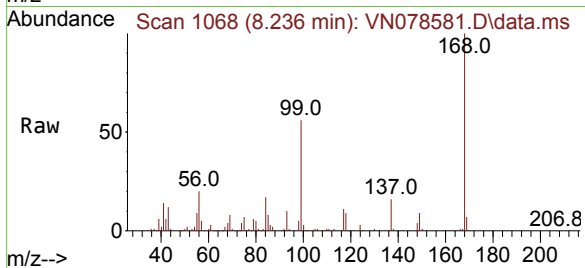
Tgt Ion:117 Resp: 45963

Ion Ratio Lower Upper

117 100

119 4.2 77.3 115.9#

121 0.0 23.3 34.9#



#39

Methylcyclohexane

Concen: 113.397 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.000 min

Lab File: VN078581.D

Acq: 19 Jul 2023 16:43

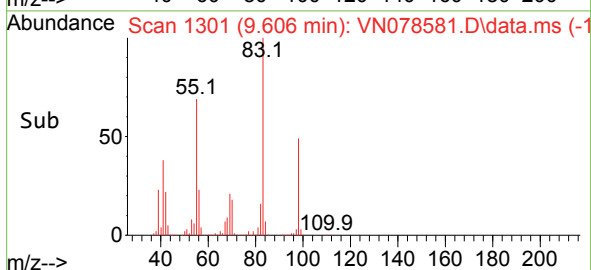
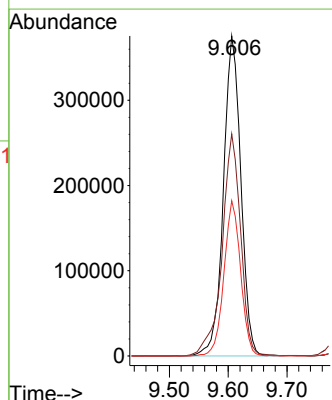
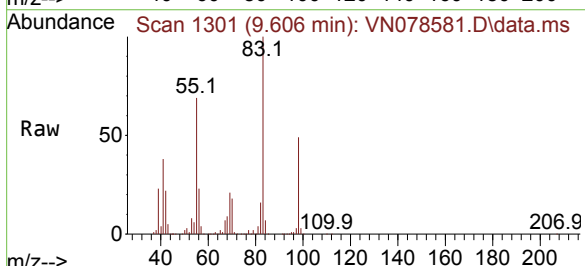
Tgt Ion: 83 Resp: 776408

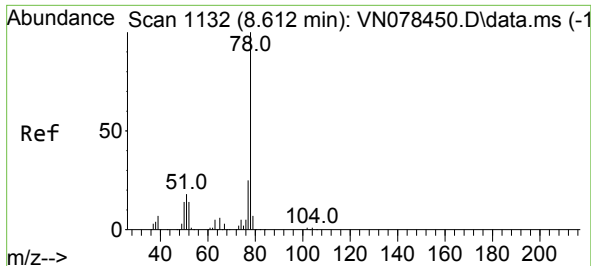
Ion Ratio Lower Upper

83 100

55 69.4 49.1 73.7

98 48.5 40.6 61.0

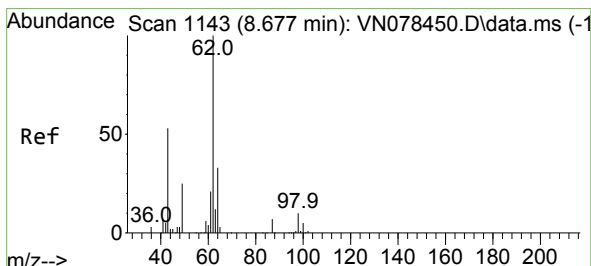
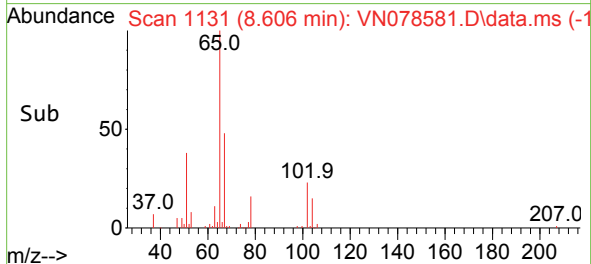
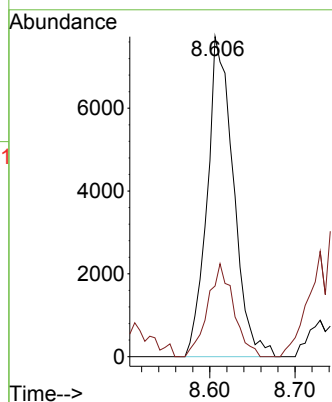
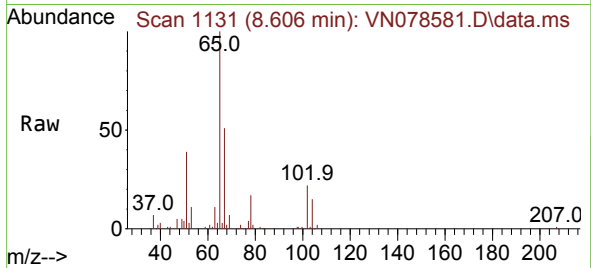




#40
Benzene
Concen: 0.745 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

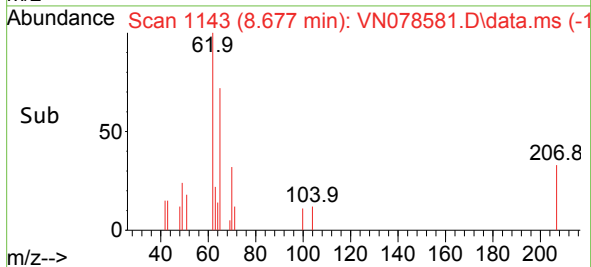
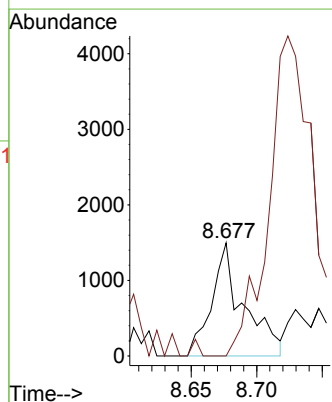
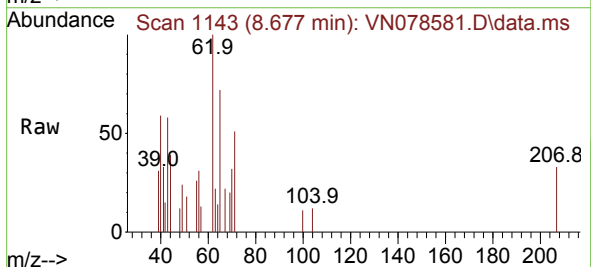
Instrument :
MSVOA_N
ClientSampleId :
N48719

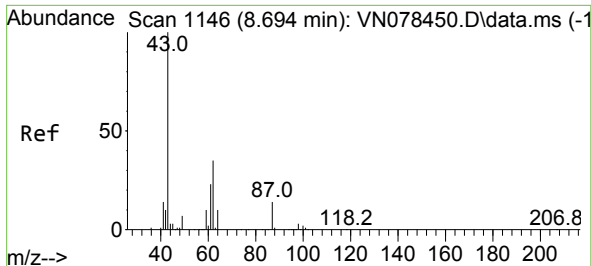
Tgt Ion: 78 Resp: 16552
Ion Ratio Lower Upper
78 100
77 22.1 19.0 28.6



#42
1,2-Dichloroethane
Concen: 0.336 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion: 62 Resp: 2542
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

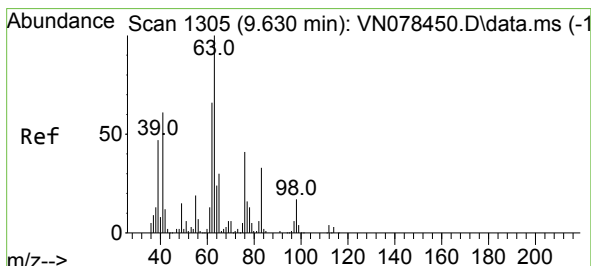
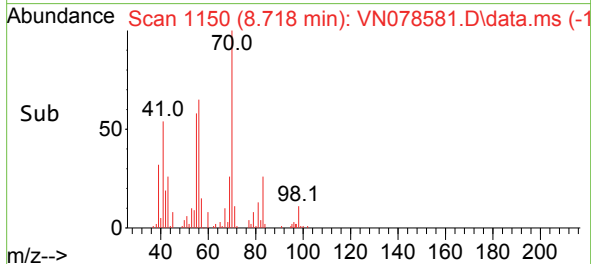
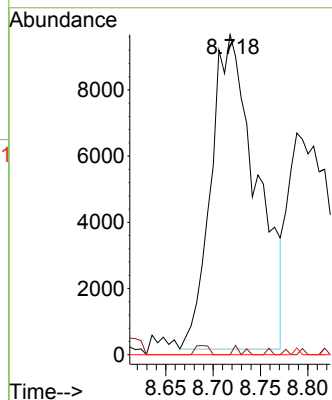
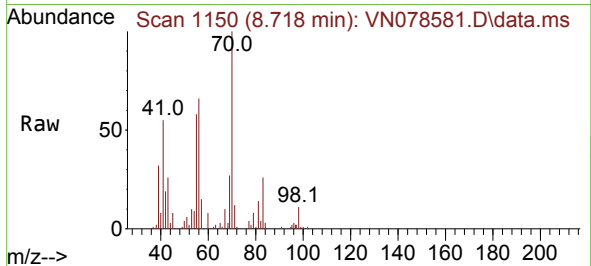




#43
Isopropyl Acetate
Concen: 3.091 ug/l
RT: 8.718 min Scan# 1150
Delta R.T. 0.024 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

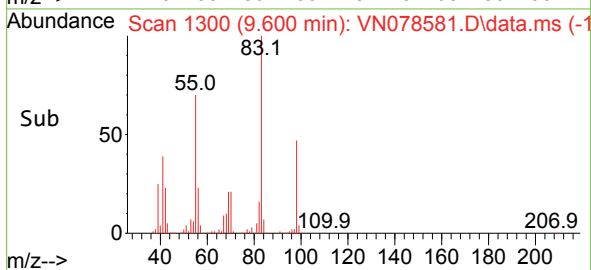
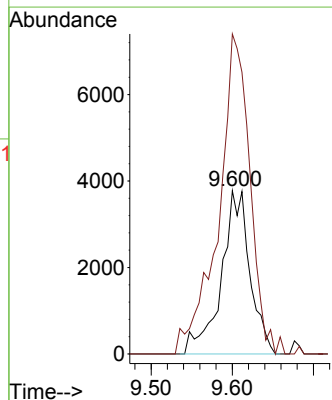
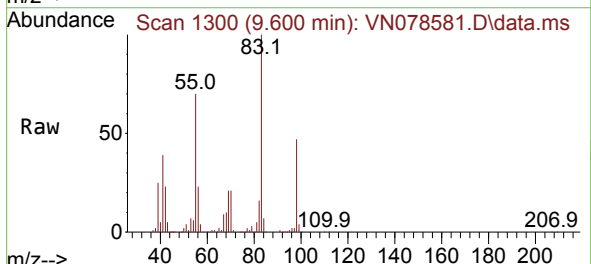
Instrument :
MSVOA_N
ClientSampleId :
N48719

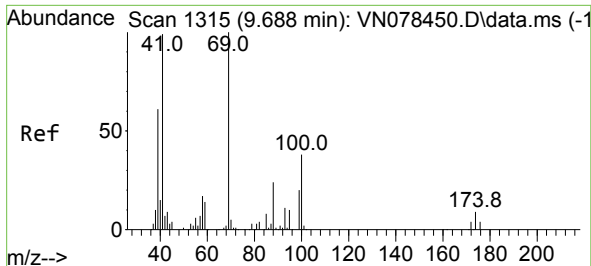
Tgt Ion: 43 Resp: 31816
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 1.644 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.030 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion: 63 Resp: 9253
Ion Ratio Lower Upper
63 100
65 185.5 23.9 35.9#

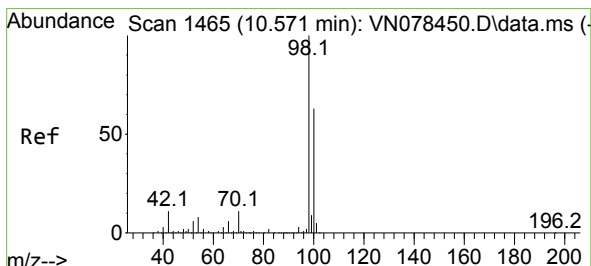
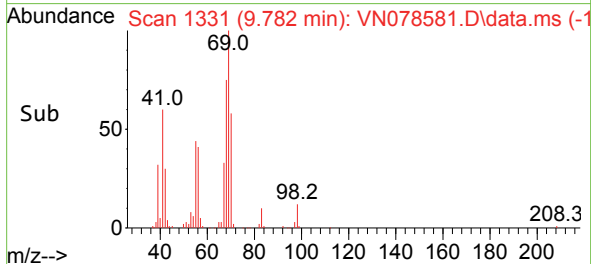
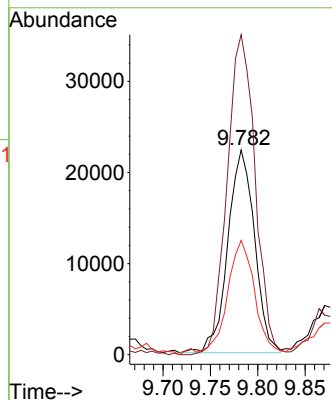
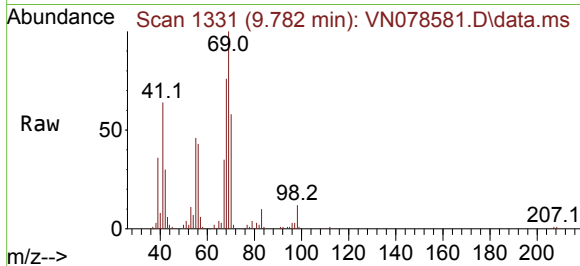




#48
Methyl methacrylate
Concen: 9.203 ug/l
RT: 9.782 min Scan# 11
Delta R.T. 0.094 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

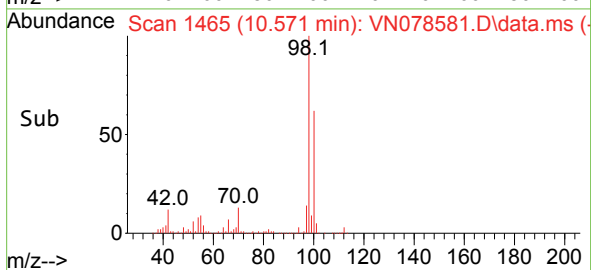
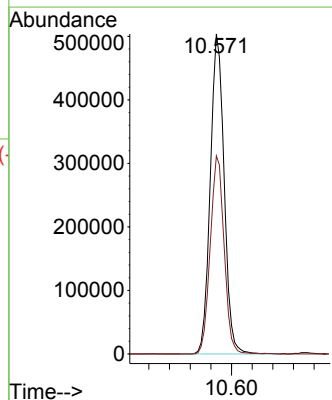
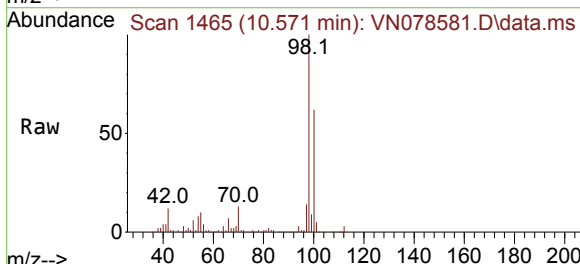
Instrument :
MSVOA_N
ClientSampleId :
N48719

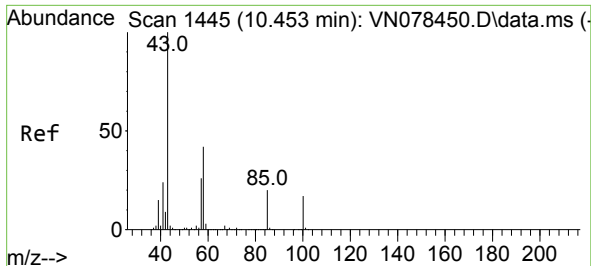
Tgt Ion: 41 Resp: 43895
Ion Ratio Lower Upper
41 100
69 164.9 90.4 135.6#
39 53.8 54.6 81.8#



#50
Toluene-d8
Concen: 47.705 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion: 98 Resp: 936205
Ion Ratio Lower Upper
98 100
100 62.0 52.0 78.0

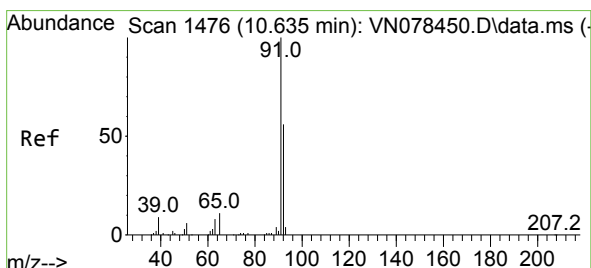
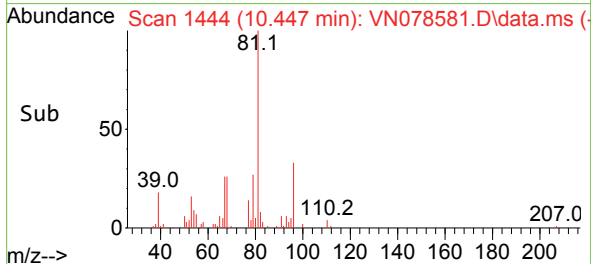
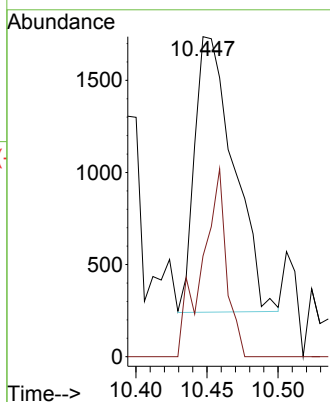
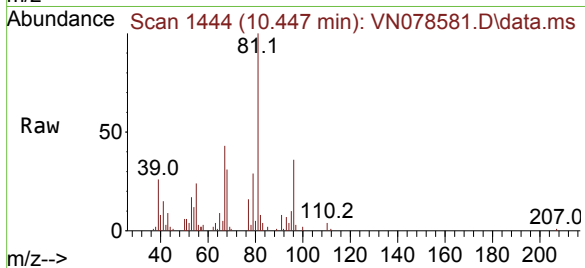




#51
4-Methyl-2-Pentanone
Concen: 0.469 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

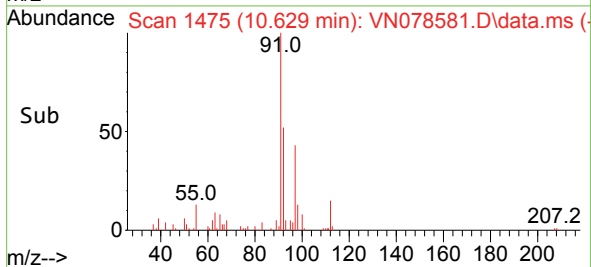
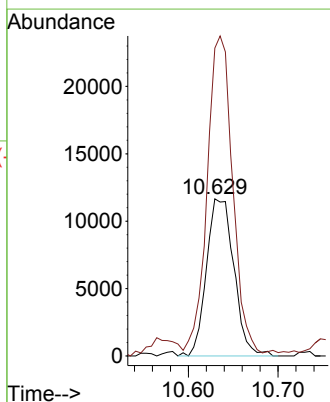
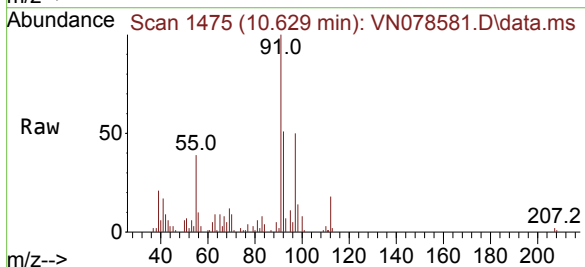
Instrument :
MSVOA_N
ClientSampleId :
N48719

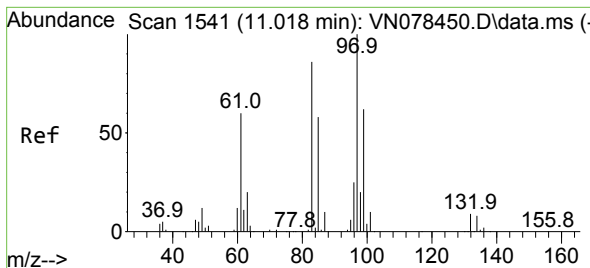
Tgt Ion: 43 Resp: 2871
Ion Ratio Lower Upper
43 100
58 42.5 36.6 54.8



#52
Toluene
Concen: 1.798 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion: 92 Resp: 24759
Ion Ratio Lower Upper
92 100
91 186.9 137.4 206.0





#55

1,1,2-Trichloroethane

Concen: 8.158 ug/l

RT: 11.012 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN078581.D

Acq: 19 Jul 2023 16:43

Instrument :

MSVOA_N

ClientSampleId :

N48719

Tgt Ion: 97 Resp: 44268

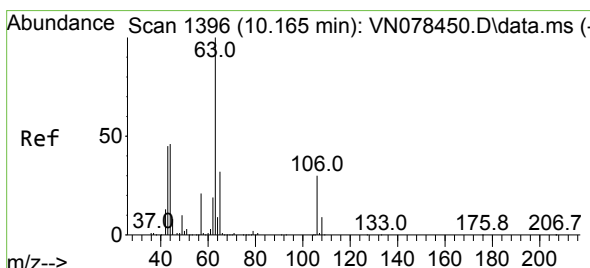
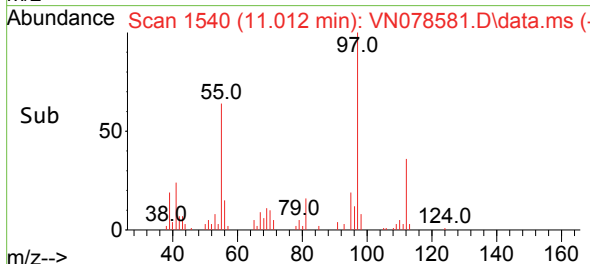
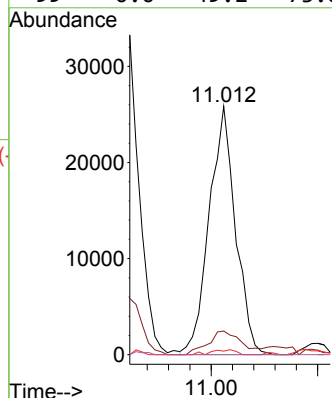
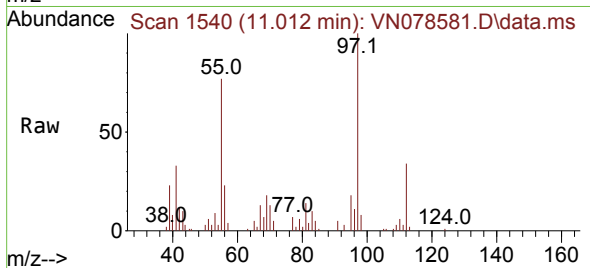
Ion Ratio Lower Upper

97 100

83 9.5 65.1 97.7#

85 1.4 43.4 65.2#

99 0.0 49.2 73.8#



#58

2-Chloroethyl Vinyl ether

Concen: 0.200 ug/l

RT: 10.171 min Scan# 1397

Delta R.T. 0.006 min

Lab File: VN078581.D

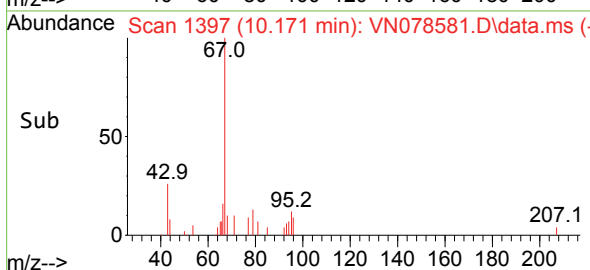
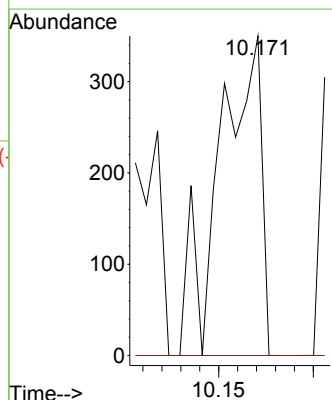
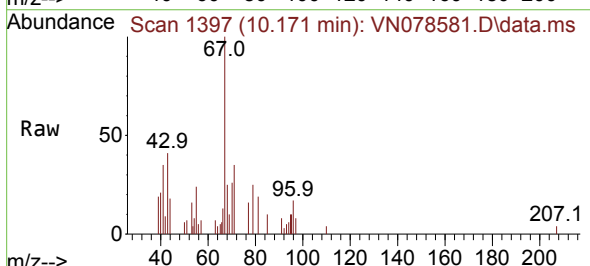
Acq: 19 Jul 2023 16:43

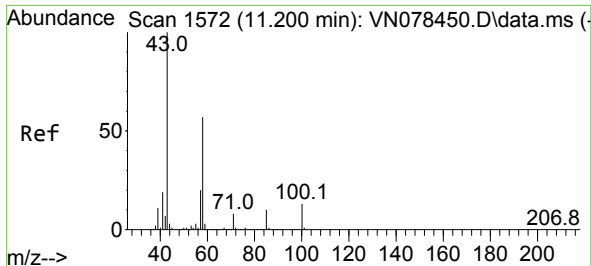
Tgt Ion: 63 Resp: 541

Ion Ratio Lower Upper

63 100

106 0.0 26.2 39.4#

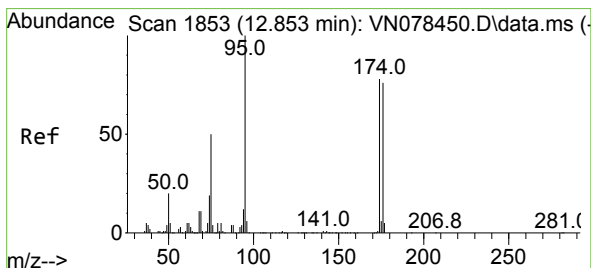
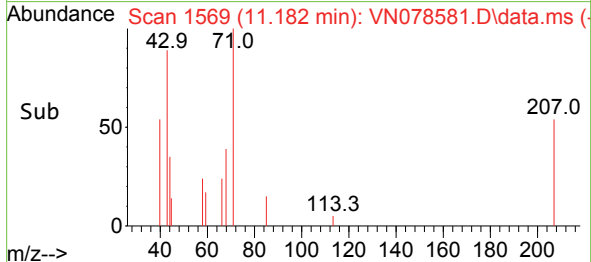
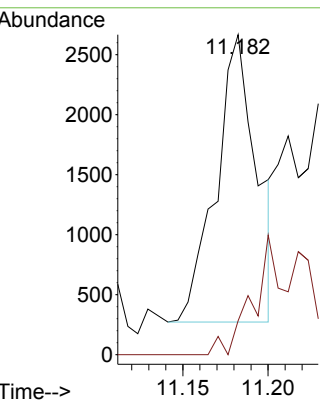
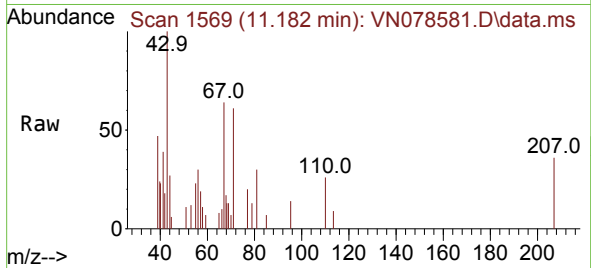




#59
2-Hexanone
Concen: 0.906 ug/l
RT: 11.182 min Scan# 1569
Delta R.T. -0.018 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

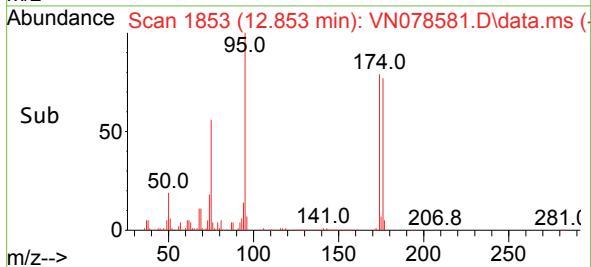
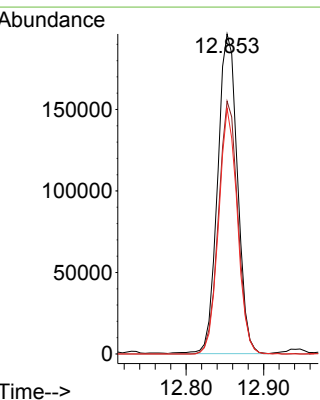
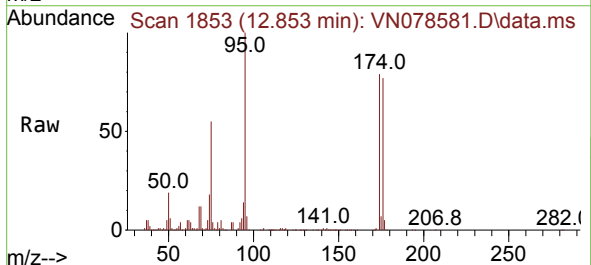
Instrument :
MSVOA_N
ClientSampleId :
N48719

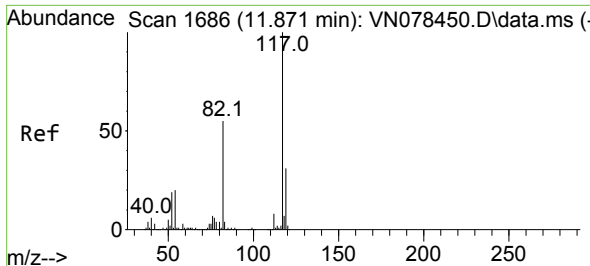
Tgt Ion: 43 Resp: 3944
Ion Ratio Lower Upper
43 100
58 29.7 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 57.773 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion: 95 Resp: 349231
Ion Ratio Lower Upper
95 100
174 77.3 0.0 143.8
176 72.6 0.0 135.8

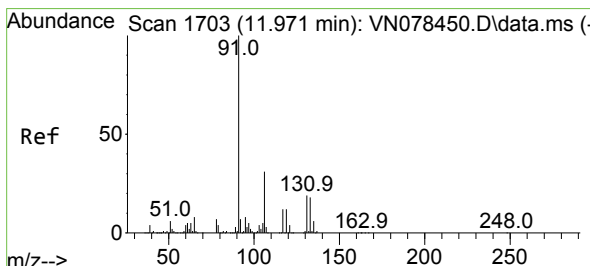
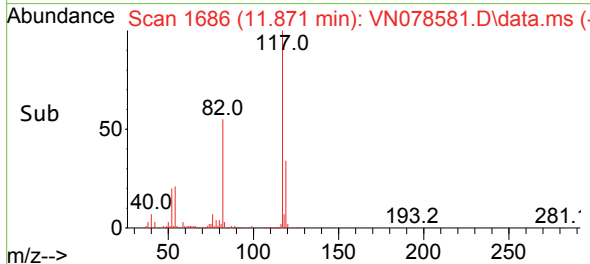
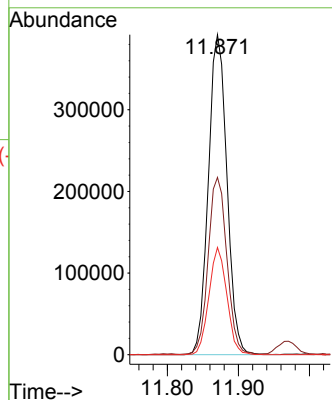
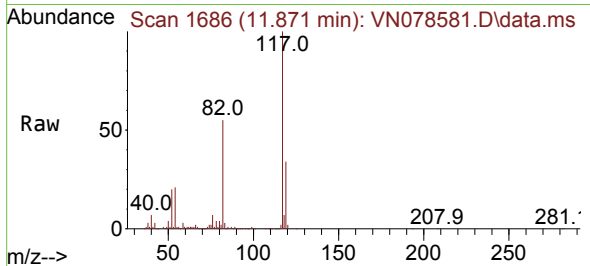




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

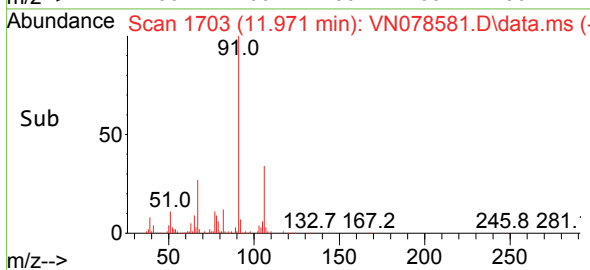
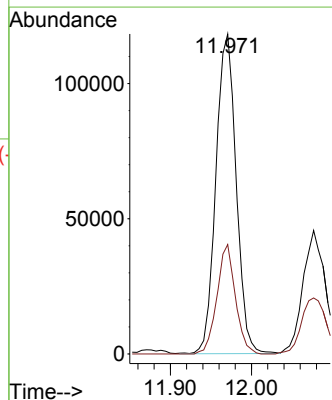
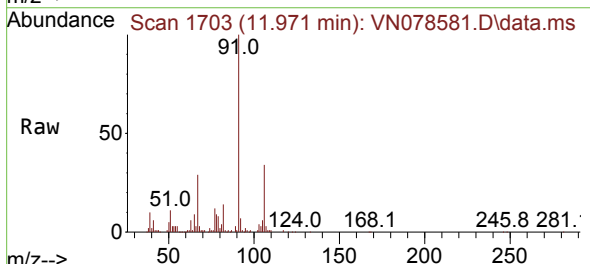
Instrument :
MSVOA_N
ClientSampleId :
N48719

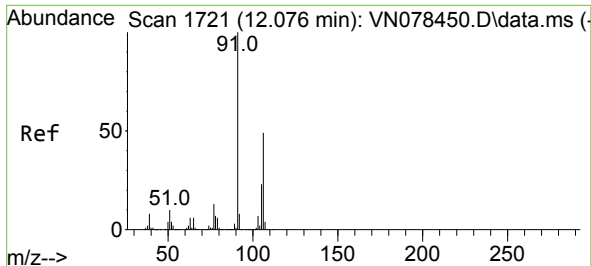
Tgt Ion:117 Resp: 712559
Ion Ratio Lower Upper
117 100
82 55.3 44.0 66.0
119 33.5 25.6 38.4



#67
Ethyl Benzene
Concen: 7.616 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion: 91 Resp: 205054
Ion Ratio Lower Upper
91 100
106 34.3 25.6 38.4

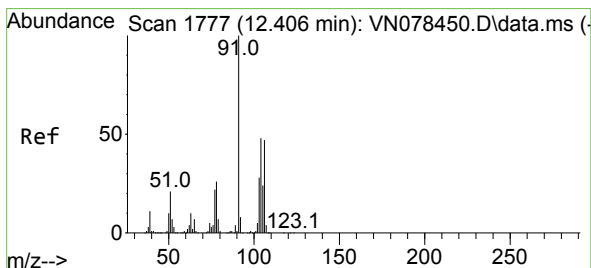
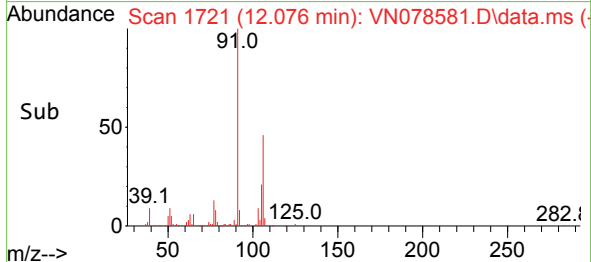
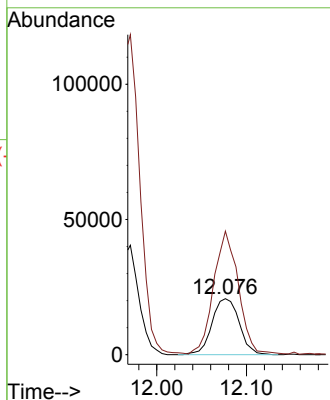
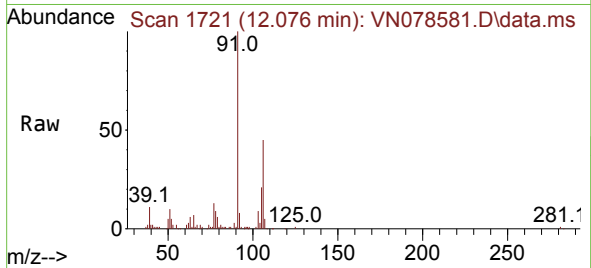




#68
m/p-Xylenes
Concen: 4.374 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

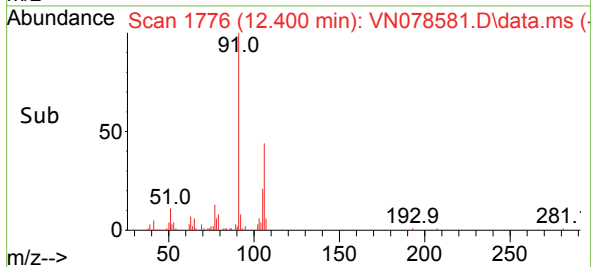
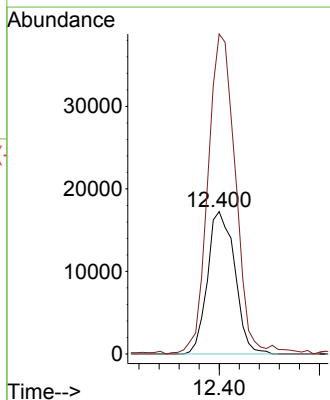
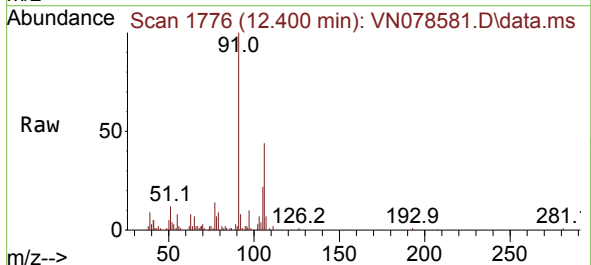
Instrument :
MSVOA_N
ClientSampleId :
N48719

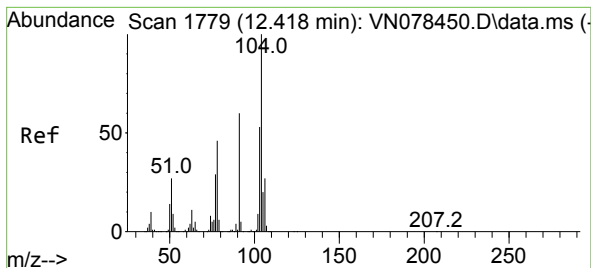
Tgt Ion:106 Resp: 43539
Ion Ratio Lower Upper
106 100
91 200.0 159.6 239.4



#69
o-Xylene
Concen: 3.238 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.006 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion:106 Resp: 32552
Ion Ratio Lower Upper
106 100
91 228.6 105.2 315.5





#70

Styrene

Concen: 0.228 ug/l

RT: 12.412 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN078581.D

Acq: 19 Jul 2023 16:43

Instrument :

MSVOA_N

ClientSampleId :

N48719

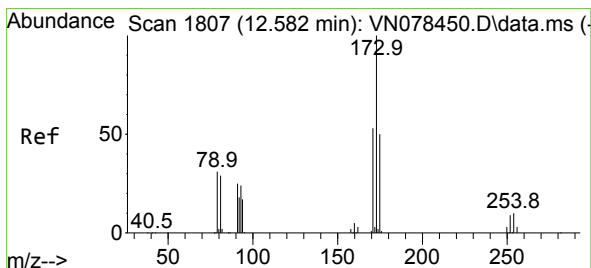
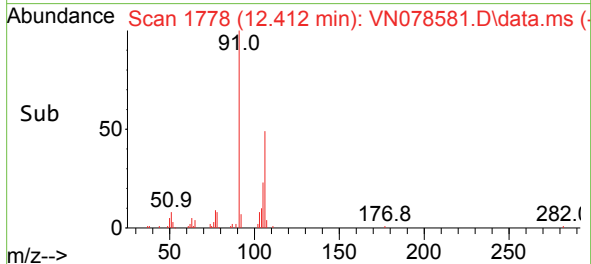
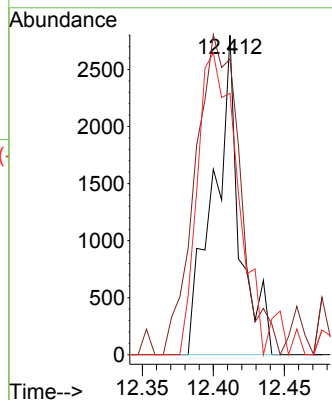
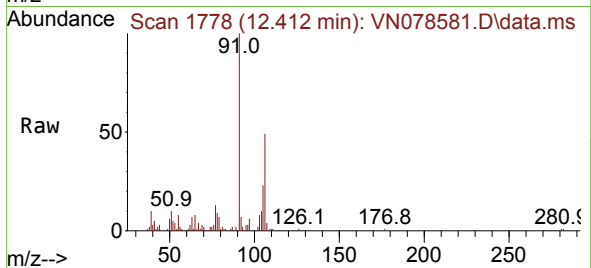
Tgt Ion:104 Resp: 3586

Ion Ratio Lower Upper

104 100

78 170.6 39.5 59.3#

103 146.1 43.2 64.8#



#71

Bromoform

Concen: 0.240 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.265 min

Lab File: VN078581.D

Acq: 19 Jul 2023 16:43

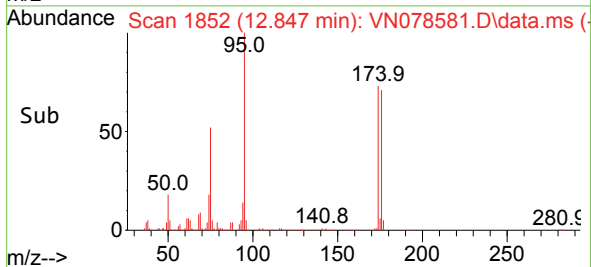
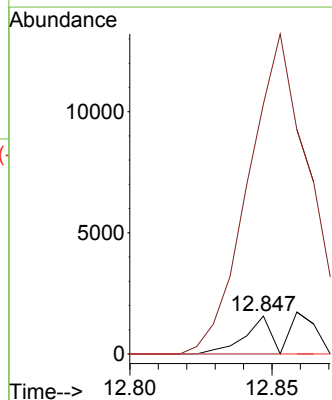
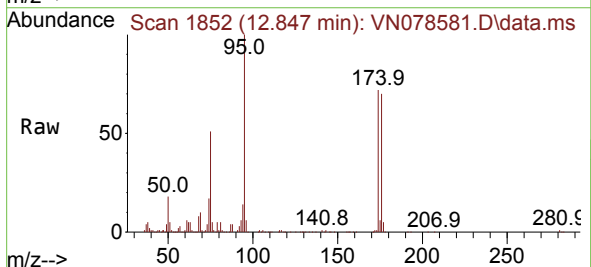
Tgt Ion:173 Resp: 994

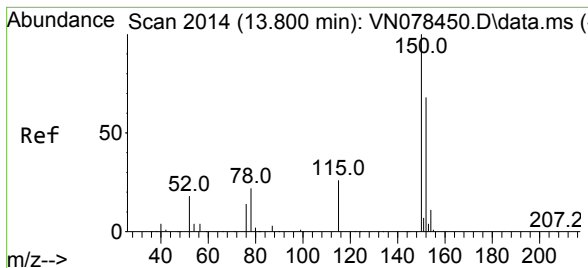
Ion Ratio Lower Upper

173 100

175 1580.7 24.3 73.0#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2014

Delta R.T. -0.006 min

Lab File: VN078581.D

Acq: 19 Jul 2023 16:43

Instrument :

MSVOA_N

ClientSampleId :

N48719

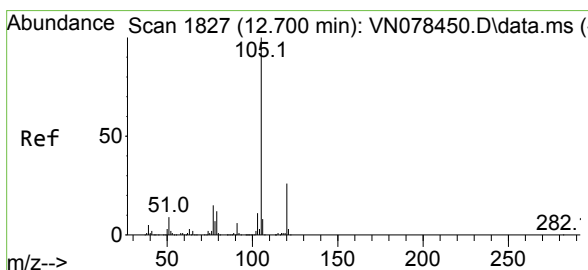
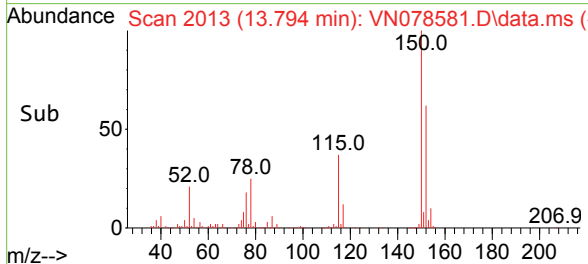
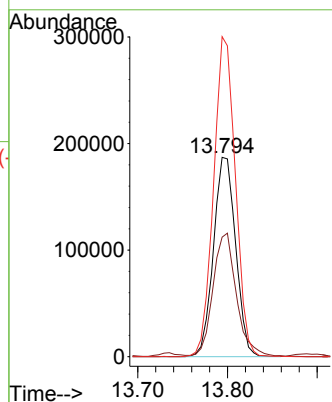
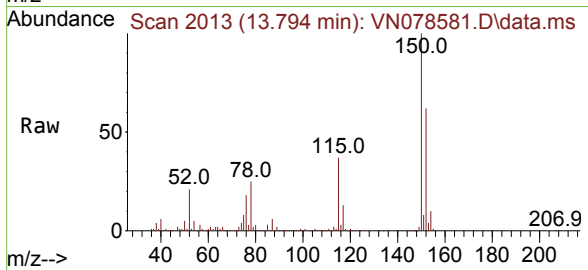
Tgt Ion:152 Resp: 321277

Ion Ratio Lower Upper

152 100

115 64.9 32.3 96.8

150 157.6 0.0 355.8



#73

Isopropylbenzene

Concen: 8.420 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. -0.000 min

Lab File: VN078581.D

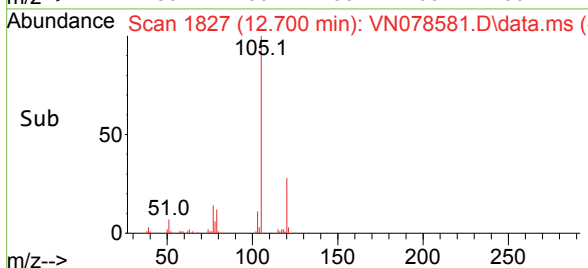
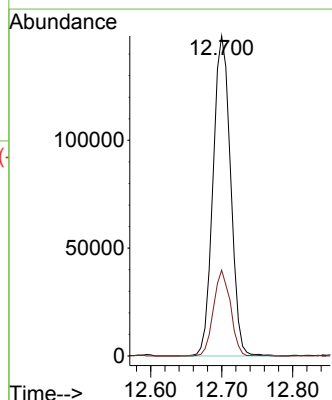
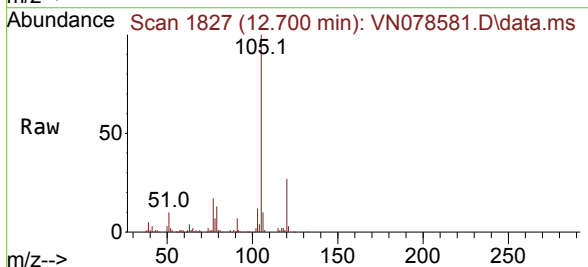
Acq: 19 Jul 2023 16:43

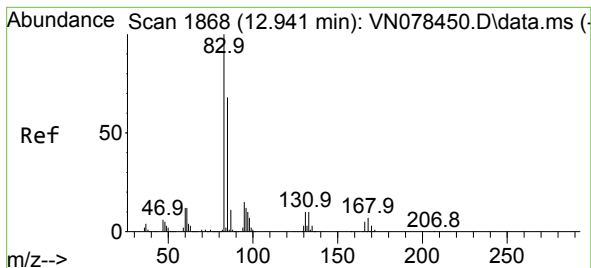
Tgt Ion:105 Resp: 254192

Ion Ratio Lower Upper

105 100

120 25.8 13.1 39.1

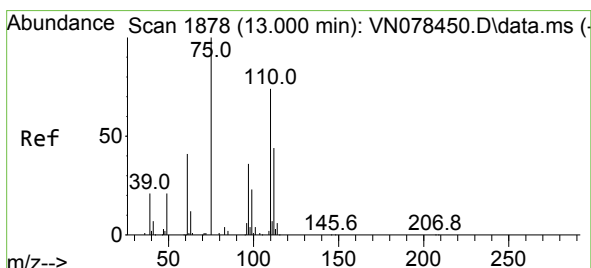
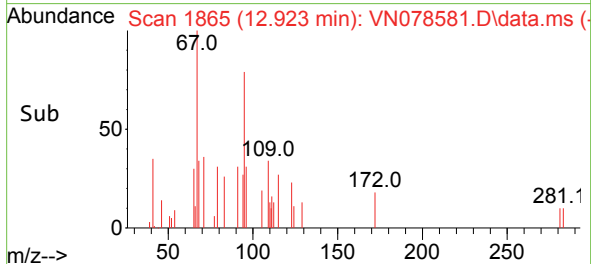
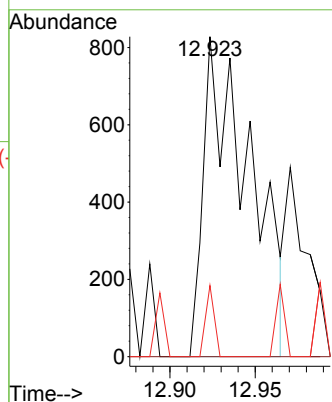
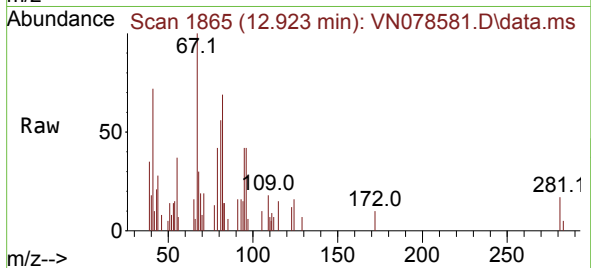




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.923 min Scan# 1865
Delta R.T. -0.018 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

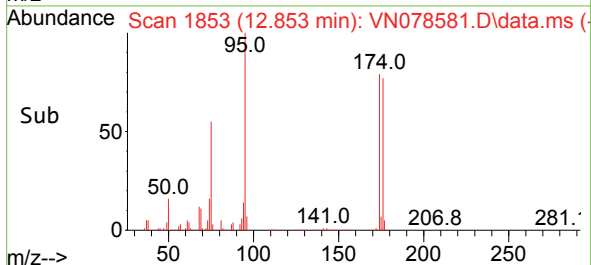
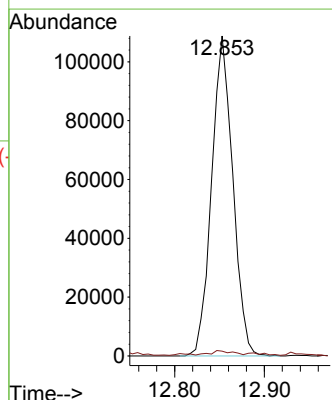
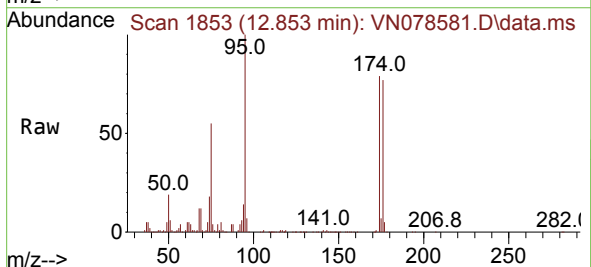
Instrument :
MSVOA_N
ClientSampleId :
N48719

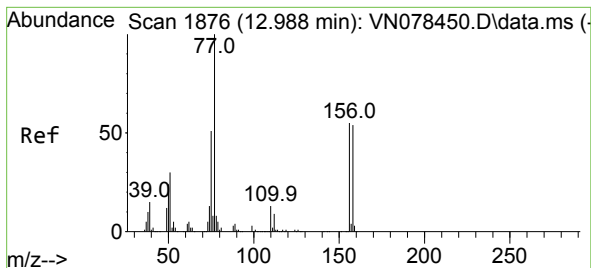
Tgt Ion: 83 Resp: 1547
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 4.2 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 23.003 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion: 75 Resp: 178635
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#





#77

Bromobenzene

Concen: Below Cal

RT: 12.971 min Scan# 1873

Delta R.T. -0.017 min

Lab File: VN078581.D

Acq: 19 Jul 2023 16:43

Instrument :

MSVOA_N

ClientSampleId :

N48719

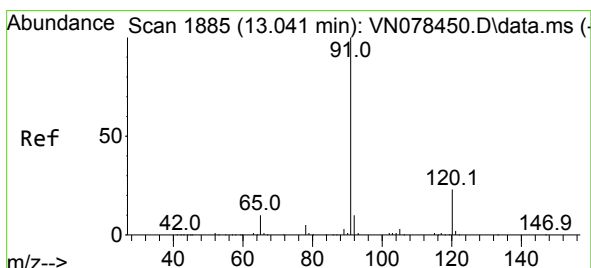
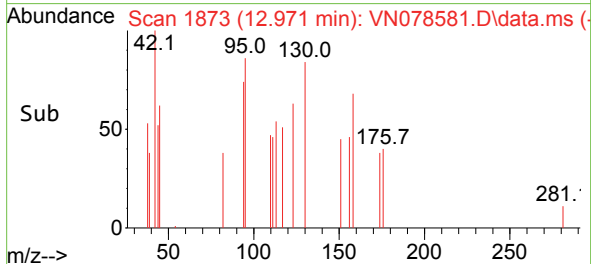
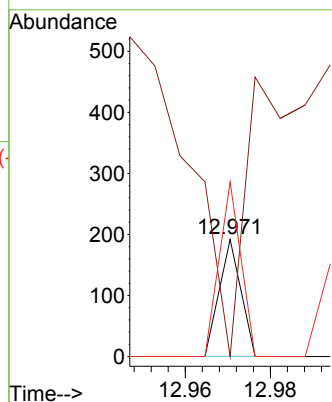
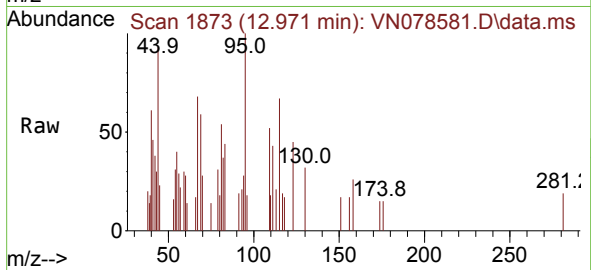
Tgt Ion:156 Resp: 68

Ion Ratio Lower Upper

156 100

77 0.0 107.7 323.3#

158 148.5 48.4 145.3#



#78

n-propylbenzene

Concen: 8.989 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN078581.D

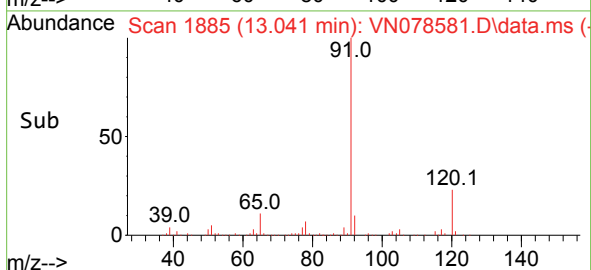
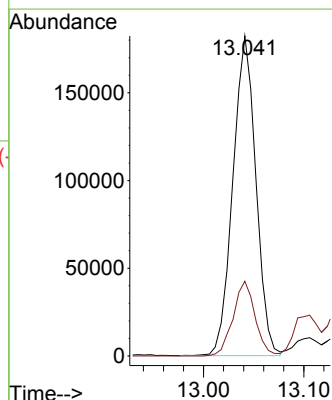
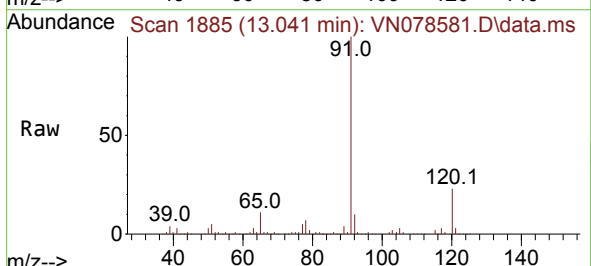
Acq: 19 Jul 2023 16:43

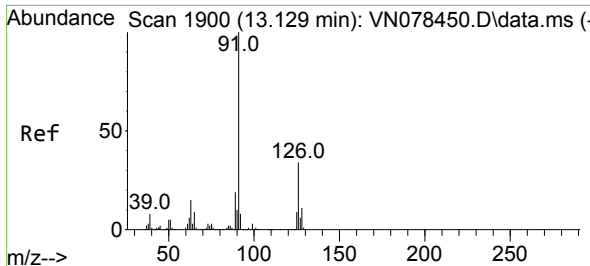
Tgt Ion: 91 Resp: 290218

Ion Ratio Lower Upper

91 100

120 22.5 11.5 34.4

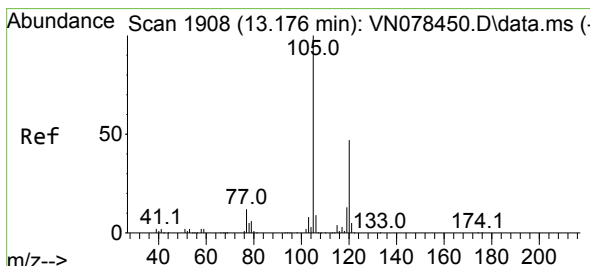
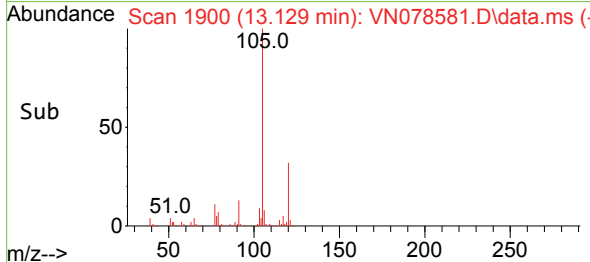
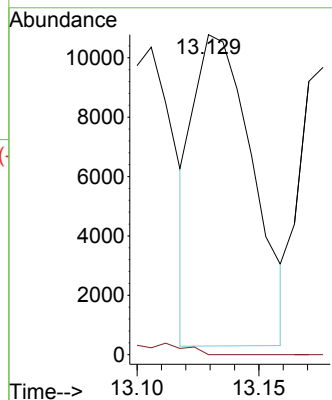
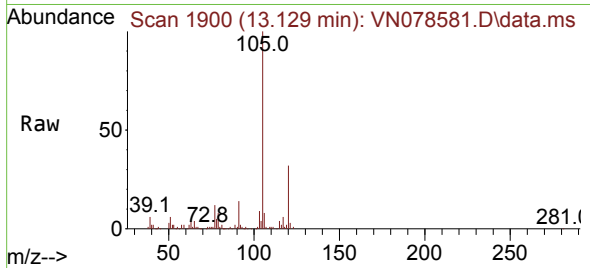




#79
2-Chlorotoluene
Concen: 0.842 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

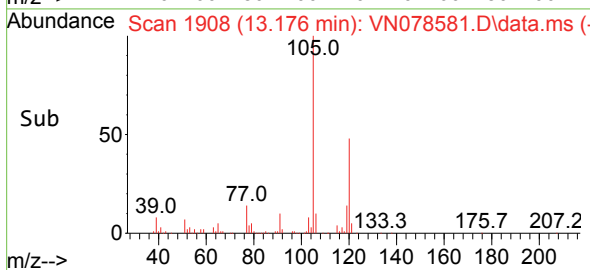
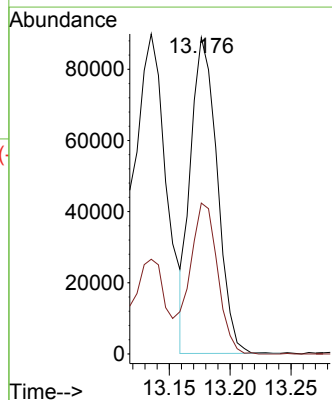
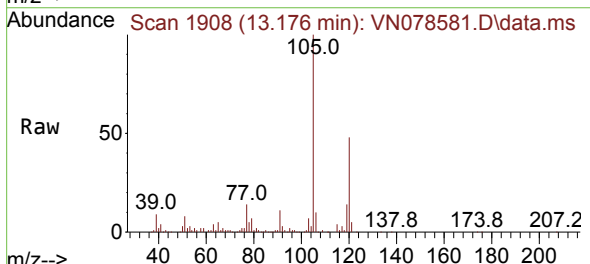
Instrument :
MSVOA_N
ClientSampleId :
N48719

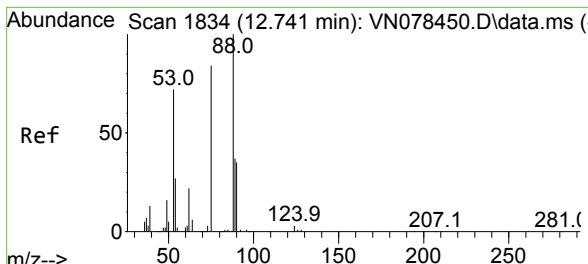
Tgt Ion: 91 Resp: 17797
Ion Ratio Lower Upper
91 100
126 0.0 16.3 48.8#



#80
1,3,5-Trimethylbenzene
Concen: 5.622 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion: 105 Resp: 134107
Ion Ratio Lower Upper
105 100
120 50.7 24.1 72.3

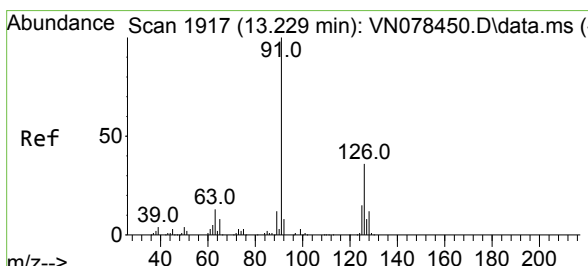
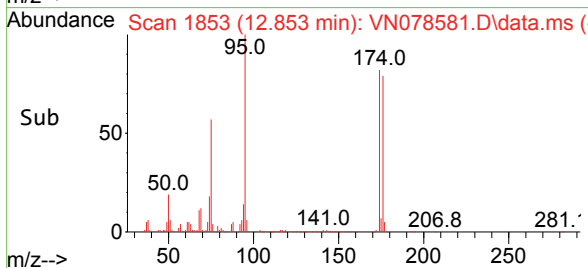
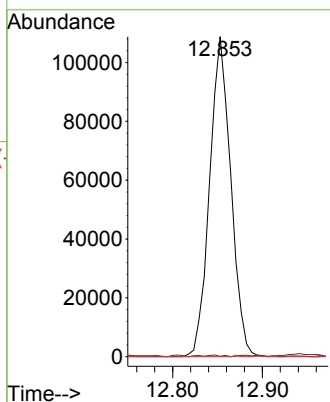
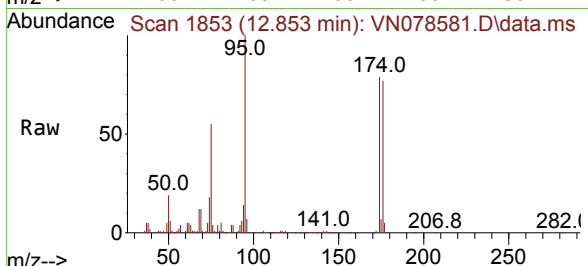




#81
trans-1,4-Dichloro-2-butene
Concen: 60.448 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

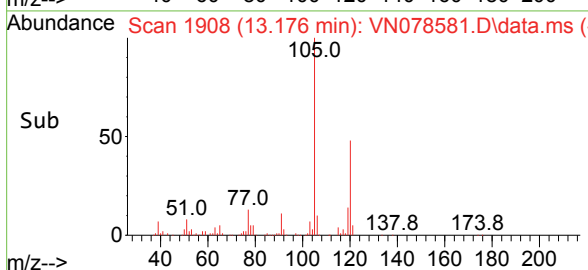
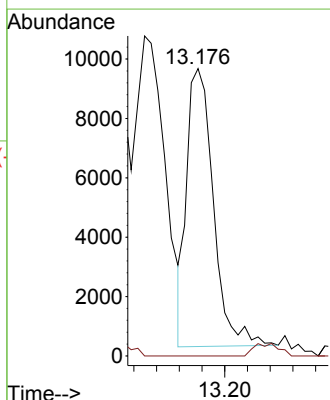
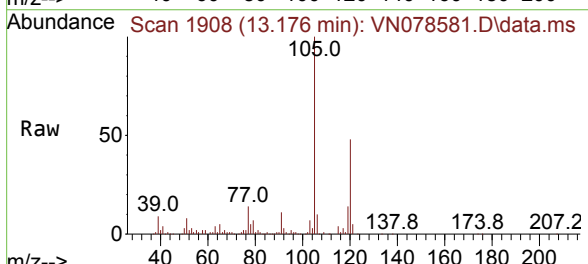
Instrument :
MSVOA_N
ClientSampleId :
N48719

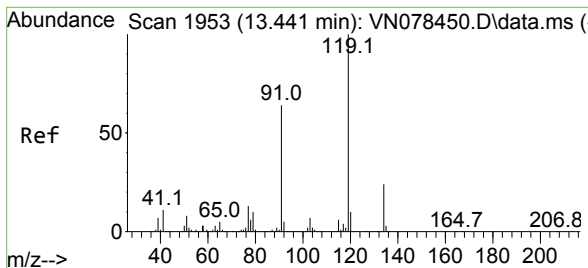
Tgt Ion: 75 Resp: 178635
Ion Ratio Lower Upper
75 100
53 0.3 67.4 101.2#
89 0.0 38.8 58.2#



#82
4-Chlorotoluene
Concen: 0.771 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. -0.053 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion: 91 Resp: 15204
Ion Ratio Lower Upper
91 100
126 0.0 16.7 50.0#





#83

tert-Butylbenzene

Concen: 0.596 ug/l

RT: 13.441 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VN078581.D

Acq: 19 Jul 2023 16:43

Instrument :

MSVOA_N

ClientSampleId :

N48719

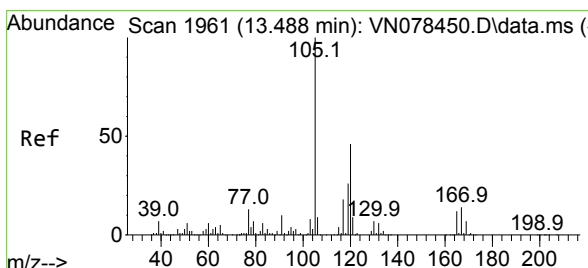
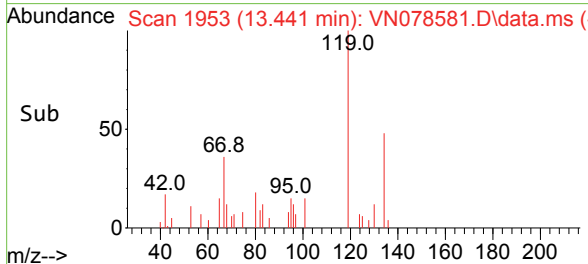
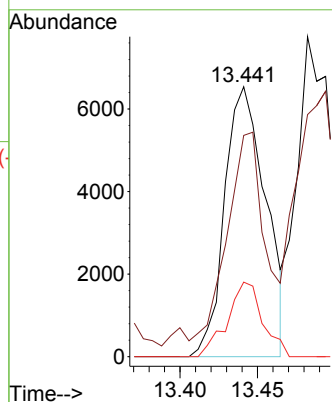
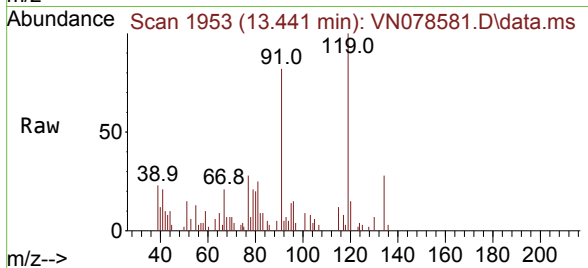
Tgt Ion:119 Resp: 12064

Ion Ratio Lower Upper

119 100

91 69.8 33.9 101.7

134 23.8 13.2 39.6



#84

1,2,4-Trimethylbenzene

Concen: 4.262 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VN078581.D

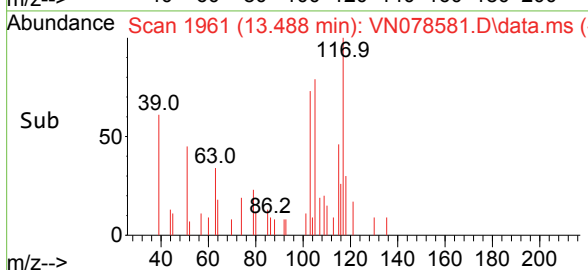
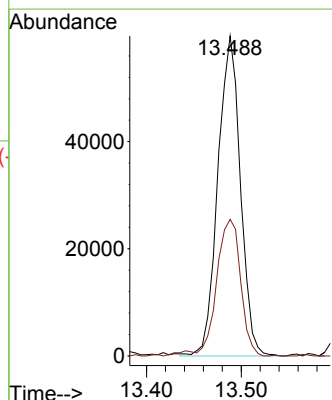
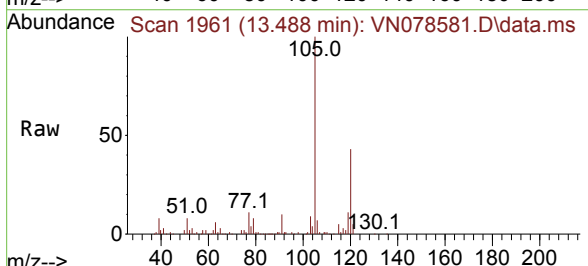
Acq: 19 Jul 2023 16:43

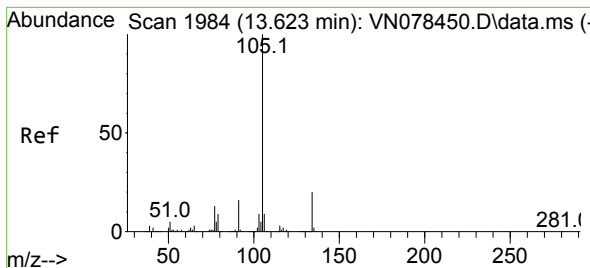
Tgt Ion:105 Resp: 98748

Ion Ratio Lower Upper

105 100

120 46.1 22.0 66.0





#85

sec-Butylbenzene

Concen: 3.387 ug/l

RT: 13.618 min Scan# 1983

Delta R.T. -0.005 min

Lab File: VN078581.D

Acq: 19 Jul 2023 16:43

Instrument :

MSVOA_N

ClientSampleId :

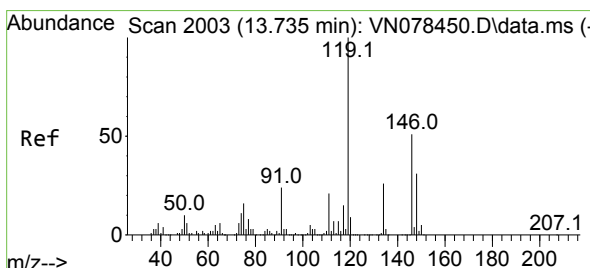
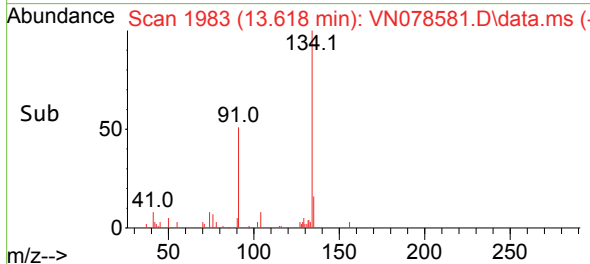
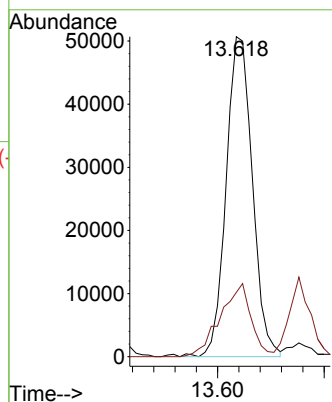
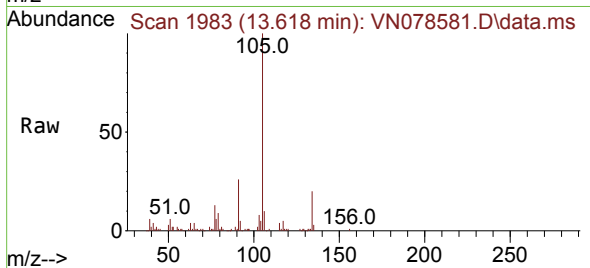
N48719

Tgt Ion:105 Resp: 86710

Ion Ratio Lower Upper

105 100

134 27.0 9.8 29.3



#86

p-Isopropyltoluene

Concen: 2.887 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN078581.D

Acq: 19 Jul 2023 16:43

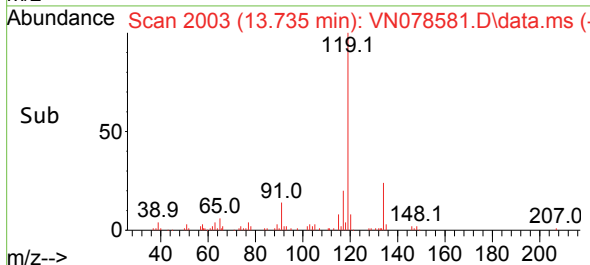
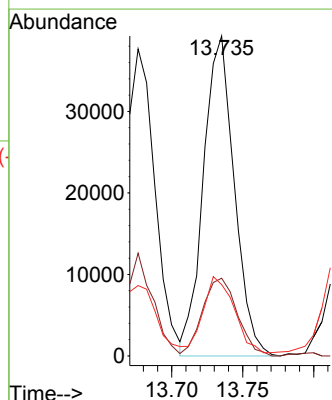
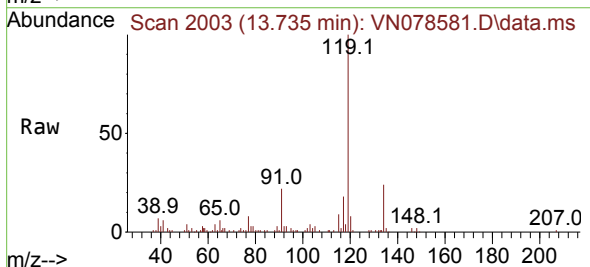
Tgt Ion:119 Resp: 59338

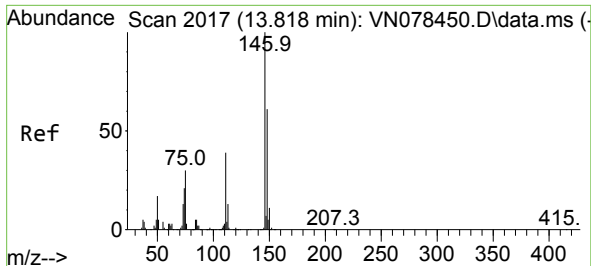
Ion Ratio Lower Upper

119 100

134 27.4 12.6 37.8

91 23.6 12.4 37.2

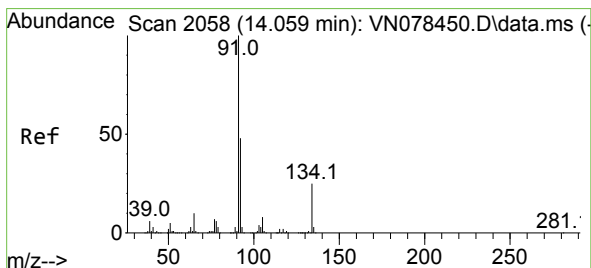
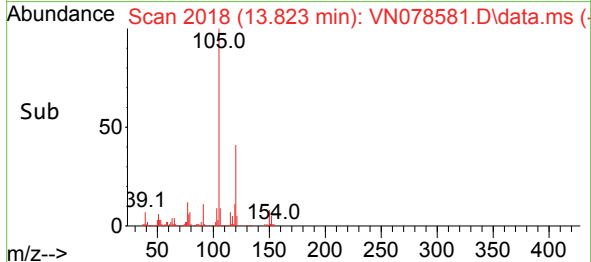
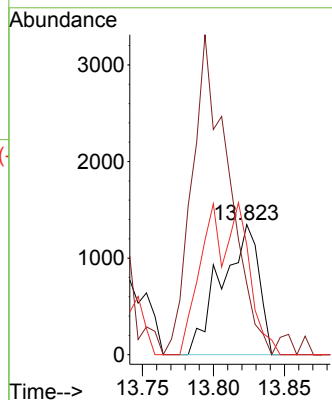
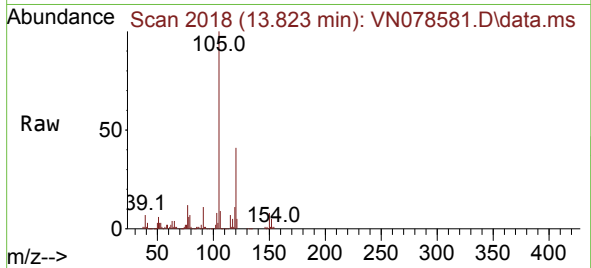




#88
1,4-Dichlorobenzene
Concen: 0.212 ug/l
RT: 13.823 min Scan# 2017
Delta R.T. 0.005 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

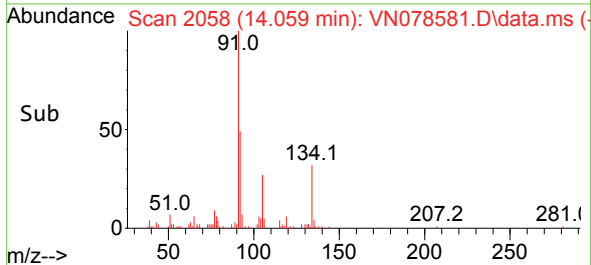
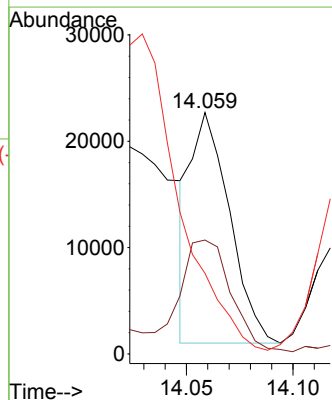
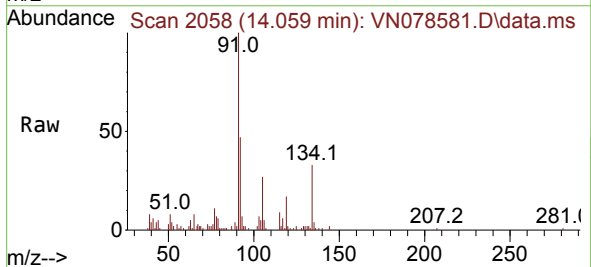
Instrument :
MSVOA_N
ClientSampleId :
N48719

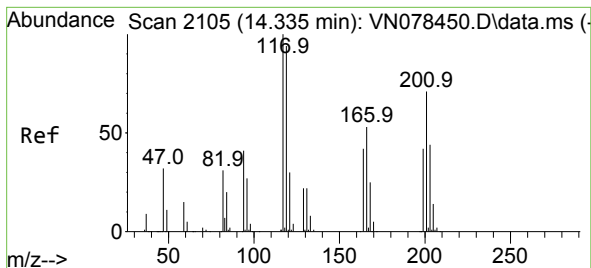
Tgt Ion:146 Resp: 2471
Ion Ratio Lower Upper
146 100
111 0.0 20.6 61.8#
148 0.0 31.6 94.8#



#89
n-Butylbenzene
Concen: 1.867 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion: 91 Resp: 27464
Ion Ratio Lower Upper
91 100
92 66.0 26.4 79.0
134 0.0 12.6 37.6#





#90

Hexachloroethane

Concen: 10.451 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. 0.000 min

Lab File: VN078581.D

Acq: 19 Jul 2023 16:43

Instrument :

MSVOA_N

ClientSampleId :

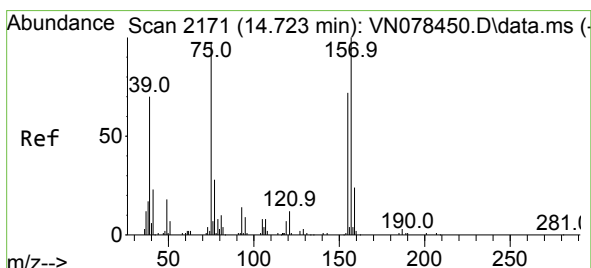
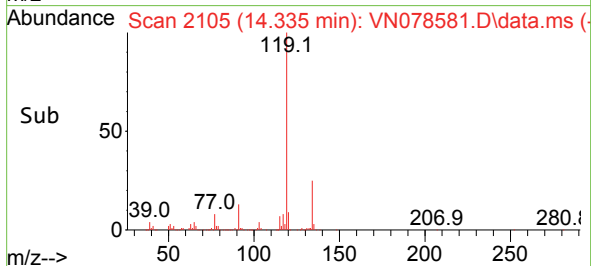
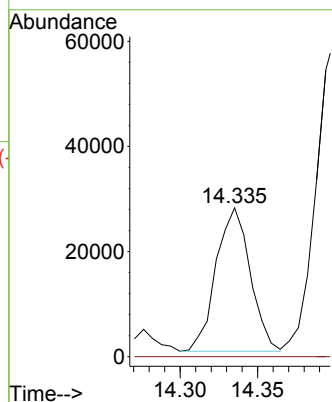
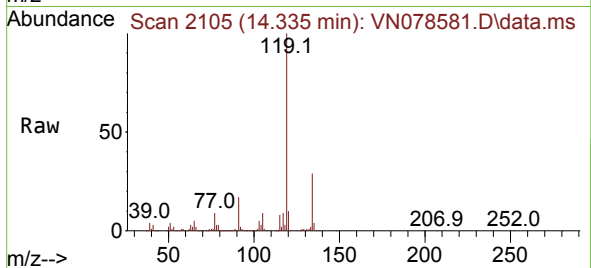
N48719

Tgt Ion:117 Resp: 41919

Ion Ratio Lower Upper

117 100

201 0.0 29.3 88.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.747 min Scan# 2175

Delta R.T. 0.024 min

Lab File: VN078581.D

Acq: 19 Jul 2023 16:43

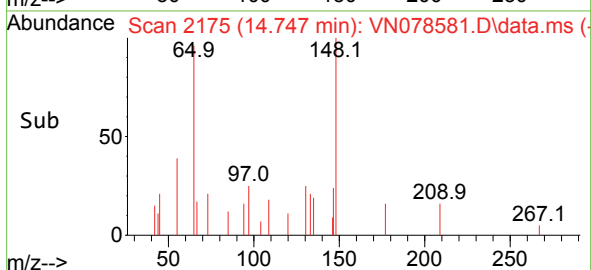
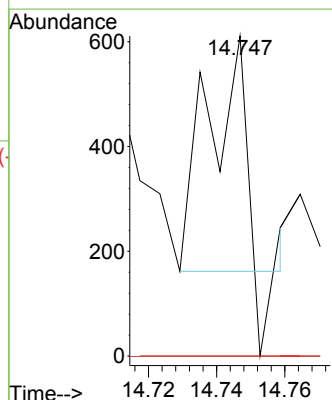
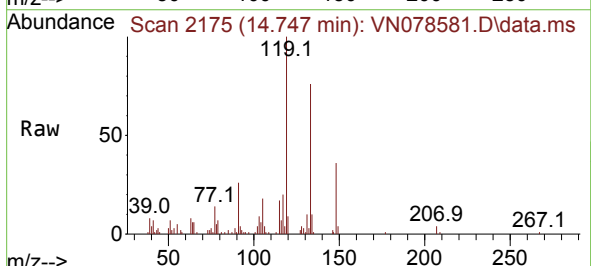
Tgt Ion: 75 Resp: 332

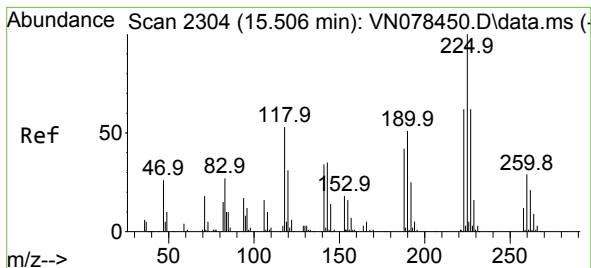
Ion Ratio Lower Upper

75 100

155 0.0 39.1 117.2#

157 0.0 50.3 150.9#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.512 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN078581.D

Acq: 19 Jul 2023 16:43

Instrument :

MSVOA_N

ClientSampleId :

N48719

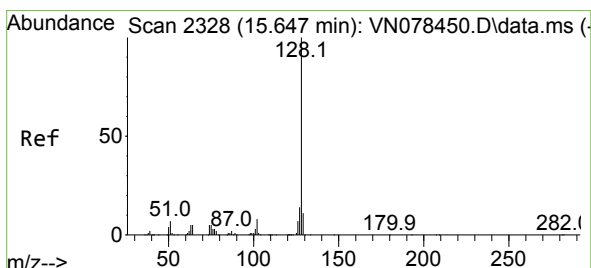
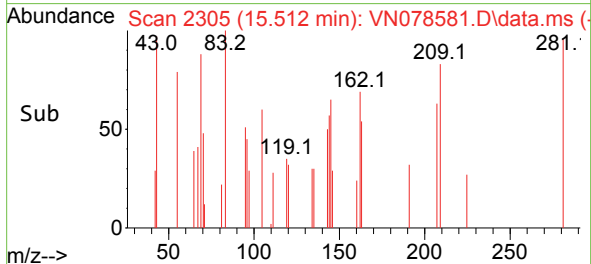
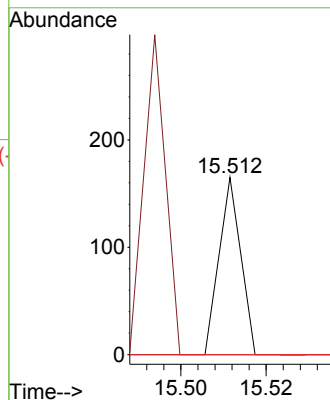
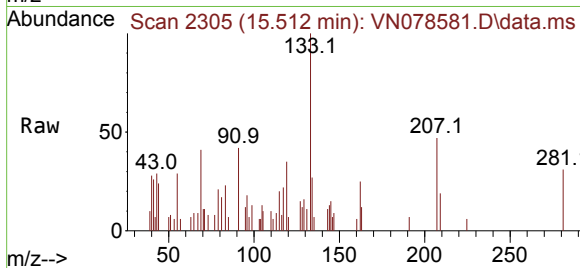
Tgt Ion:225 Resp: 58

Ion Ratio Lower Upper

225 100

223 181.0 31.3 93.8#

227 0.0 31.9 95.9#



#95

Naphthalene

Concen: 26.780 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.006 min

Lab File: VN078581.D

Acq: 19 Jul 2023 16:43

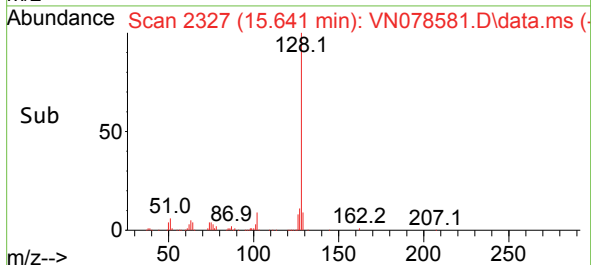
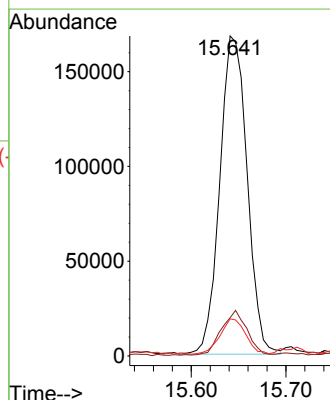
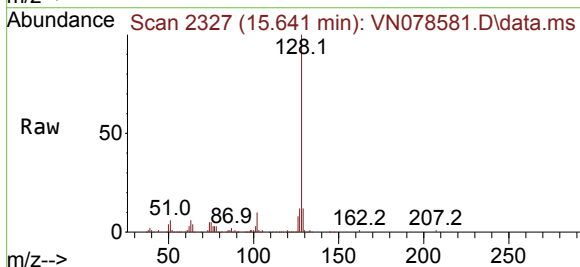
Tgt Ion:128 Resp: 336996

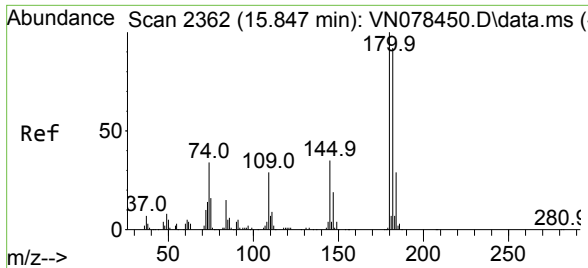
Ion Ratio Lower Upper

128 100

127 13.1 10.0 15.0

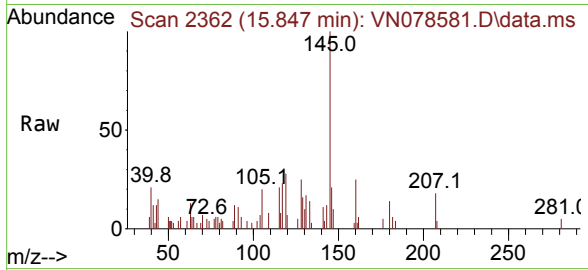
129 10.9 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.205 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN078581.D
 Acq: 19 Jul 2023 16:43

Instrument :
 MSVOA_N
 ClientSampleId :
 N48719



Tgt Ion:	180	Resp:	868
Ion Ratio	Lower	Upper	
180	100		
182	28.1	46.2	138.6#
145	0.0	17.5	52.6#

