

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062123\
 Data File : VN078316.D
 Acq On : 21 Jun 2023 12:35
 Operator : JC\MD
 Sample : VN0621MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBL01

Quant Time: Jun 22 04:46:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	433875	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	786767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	681072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	194718	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	306360	52.959	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.920%	
35) Dibromofluoromethane	8.177	113	278847	56.054	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 112.100%	
50) Toluene-d8	10.571	98	906425	47.265	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.520%	
62) 4-Bromofluorobenzene	12.853	95	276189	46.326	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.660%	

Target Compounds				Qvalue		
3) Chloromethane	2.371	50	1162	Below Cal	96	
6) Chloroethane	3.142	64	1076	0.246 ug/l #	43	
10) Methyl Iodide	4.601	142	1416	0.218 ug/l #	38	
11) Tert butyl alcohol	5.524	59	772	0.966 ug/l #	72	
13) Acrolein	4.195	56	674	0.766 ug/l #	65	
15) Acrylonitrile	5.724	53	2204	1.070 ug/l #	67	
16) Acetone	4.436	43	418	0.251 ug/l #	40	
17) Carbon Disulfide	4.718	76	2667	0.219 ug/l #	87	
20) Methylene Chloride	5.289	84	2324	0.422 ug/l #	67	
25) 2-Butanone	7.512	43	1764	0.689 ug/l #	37	
29) Tetrahydrofuran	7.847	42	563	0.329 ug/l #	26	
31) Cyclohexane	8.230	56	9756	1.315 ug/l #	6	
36) 1,1-Dichloropropene	8.230	75	37557	5.263 ug/l #	46	
38) Carbon Tetrachloride	8.236	117	47877	6.354 ug/l #	17	
39) Methylcyclohexane	9.606	83	2206	0.298 ug/l #	88	
43) Isopropyl Acetate	8.724	43	4139	0.388 ug/l #	57	
49) 1,4-Dioxane	9.706	88	81	0.861 ug/l #	11	
51) 4-Methyl-2-Pentanone	10.453	43	2626	0.468 ug/l #	57	
59) 2-Hexanone	11.212	43	3829	0.980 ug/l	64	
74) N-amyl acetate	12.500	43	1741	0.287 ug/l #	68	
75) 1,1,2,2-Tetrachloroethane	12.947	83	1078	Below Cal	# 94	
76) 1,2,3-Trichloropropane	12.853	75	150531	32.701 ug/l #	1	
77) Bromobenzene	12.988	156	958	0.224 ug/l	95	
78) n-propylbenzene	13.035	91	4332	0.217 ug/l	81	
81) trans-1,4-Dichloro-2-b...	12.853	75	150531	100.469 ug/l #	15	
82) 4-Chlorotoluene	13.235	91	2866	0.238 ug/l	99	
83) tert-Butylbenzene	13.441	119	3384	0.261 ug/l	94	
84) 1,2,4-Trimethylbenzene	13.482	105	3068	0.212 ug/l	83	
85) sec-Butylbenzene	13.623	105	7359	0.434 ug/l	88	
86) p-Isopropyltoluene	13.735	119	5740	0.417 ug/l	93	
87) 1,3-Dichlorobenzene	13.741	146	2158	0.298 ug/l	91	
88) 1,4-Dichlorobenzene	13.741	146	2158	0.309 ug/l	89	
89) n-Butylbenzene	14.059	91	8214	0.757 ug/l	96	
90) Hexachloroethane	14.335	117	918	0.376 ug/l	94	
91) 1,2-Dichlorobenzene	14.118	146	2452	0.347 ug/l	92	
92) 1,2-Dibromo-3-Chloropr...	14.717	75	483	0.530 ug/l	91	

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Quant Title : SW846 8260
QLast Update : Wed Jun 07 05:05:00 2023
Response via : Initial Calibration

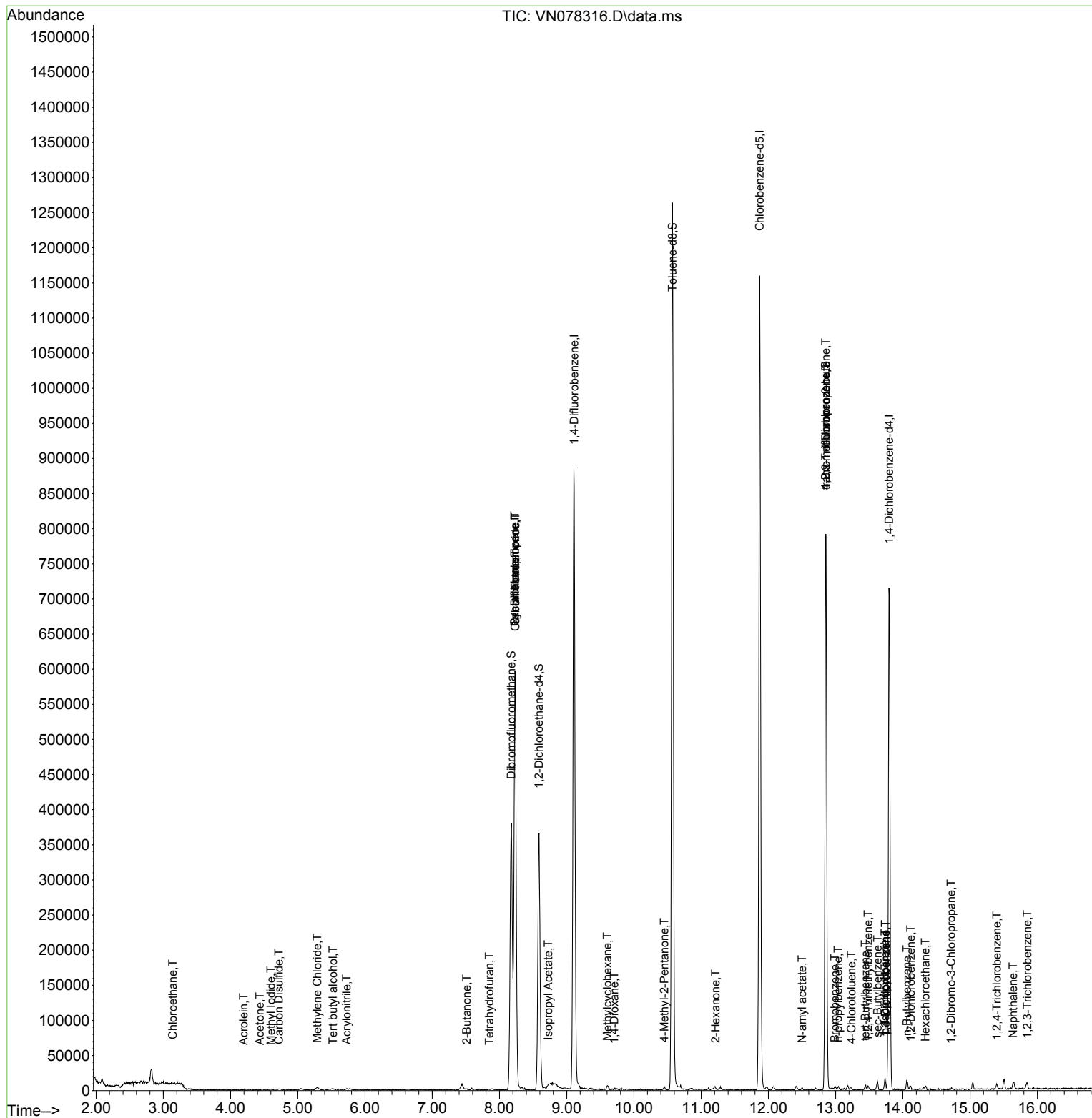
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.400	180	2144	0.852	ug/l	77
94) Hexachlorobutadiene	15.506	225	2219	Below Cal		93
95) Naphthalene	15.641	128	9279	1.096	ug/l #	97
96) 1,2,3-Trichlorobenzene	15.853	180	2751	0.977	ug/l	68

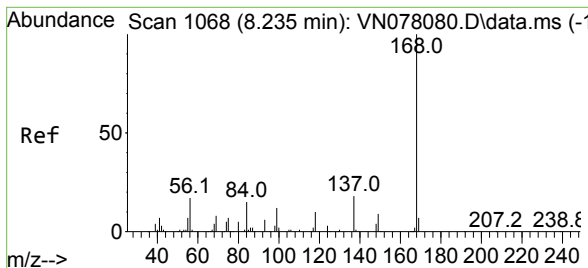
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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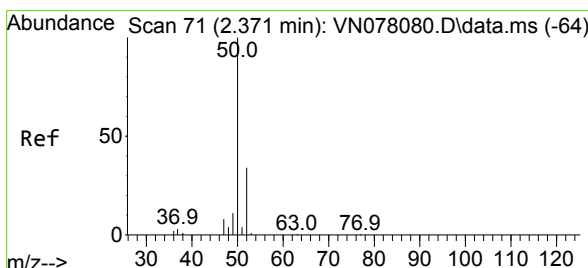
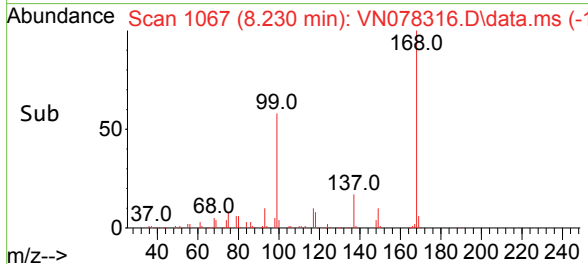
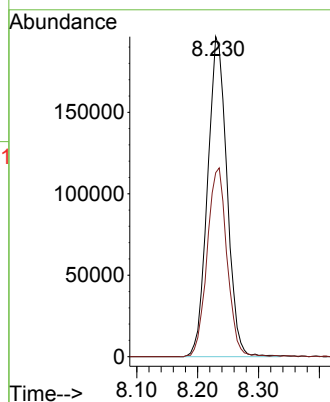
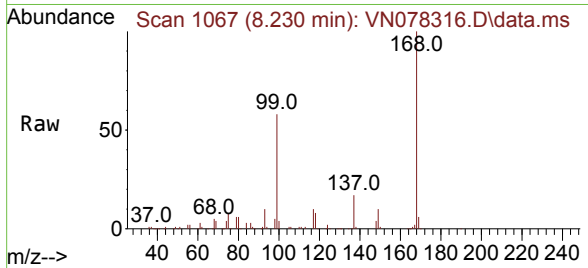




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.005 min
Lab File: VN078316.D
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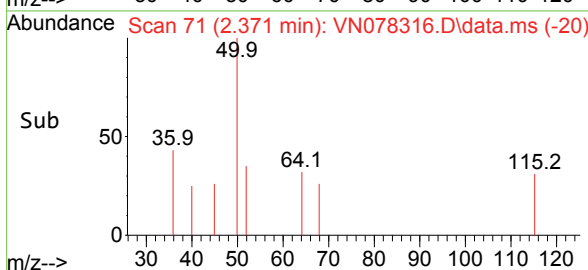
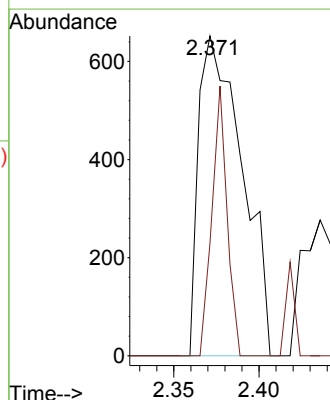
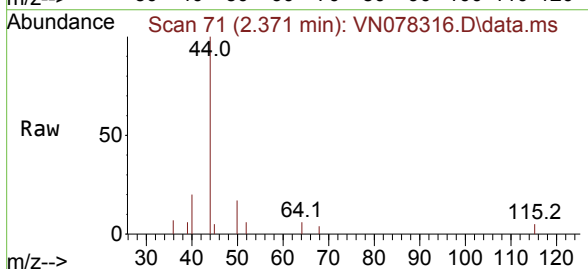
Instrument :
MSVOA_N
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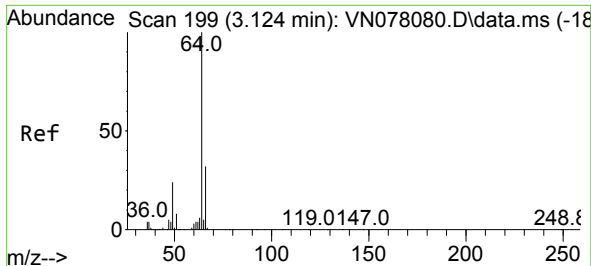
Tgt Ion:168 Resp: 433875
Ion Ratio Lower Upper
168 100
99 57.5 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078316.D
Acq: 21 Jun 2023 12:35

Tgt Ion: 50 Resp: 1162
Ion Ratio Lower Upper
50 100
52 35.1 26.5 39.7

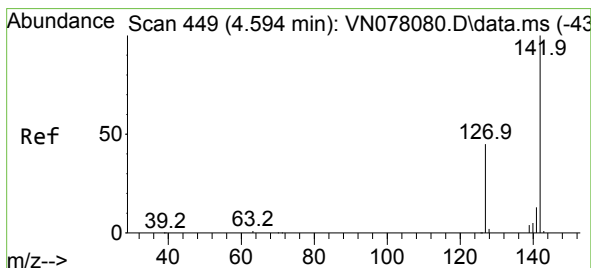
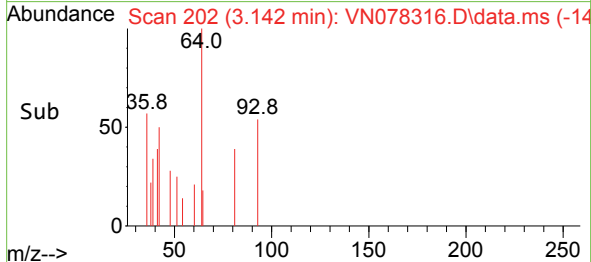
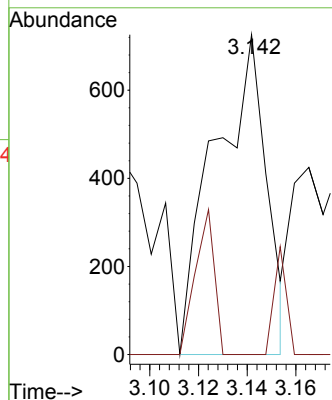
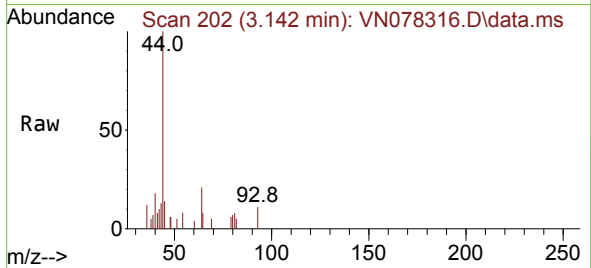




#6
Chloroethane
Concen: 0.246 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.018 min
Lab File: VN078316.D
Acq: 21 Jun 2023 12:35

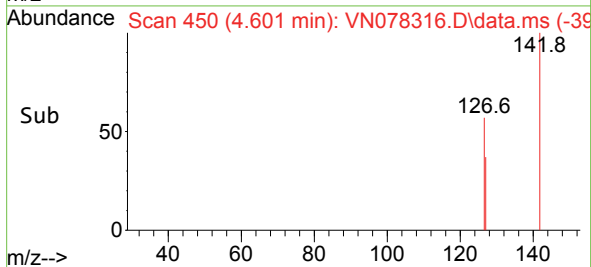
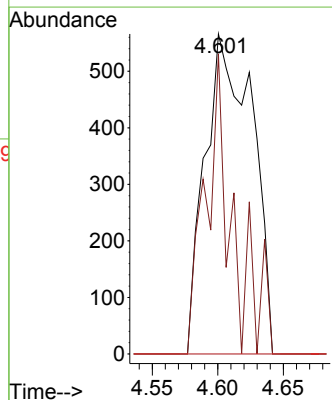
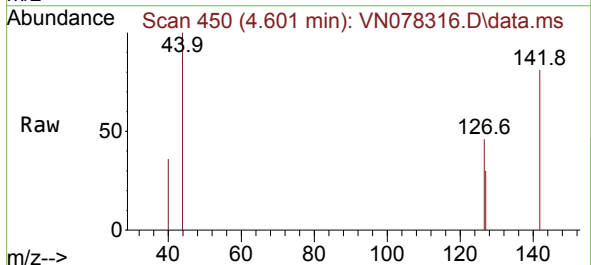
Instrument :
MSVOA_N
ClientSampleId :
VN0621MBL01

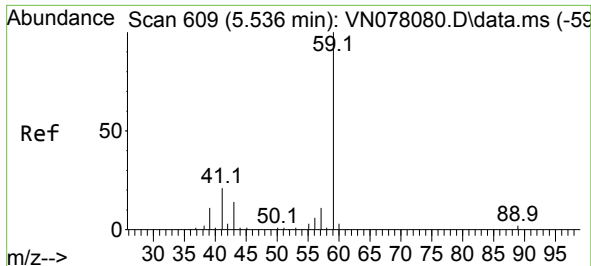
Tgt Ion: 64 Resp: 1076
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#10
Methyl Iodide
Concen: 0.218 ug/l
RT: 4.601 min Scan# 450
Delta R.T. 0.006 min
Lab File: VN078316.D
Acq: 21 Jun 2023 12:35

Tgt Ion: 142 Resp: 1416
Ion Ratio Lower Upper
142 100
127 93.8 37.6 56.4#
141 0.0 11.4 17.0#

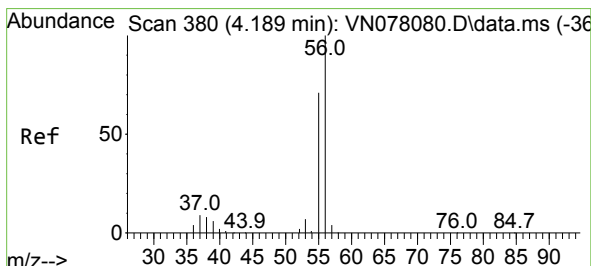
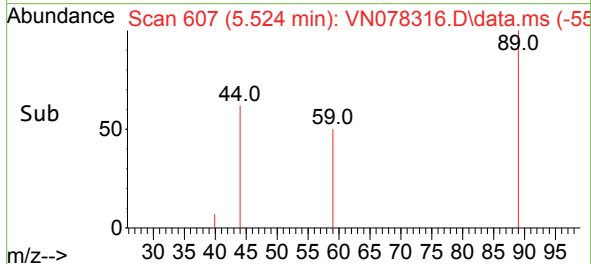
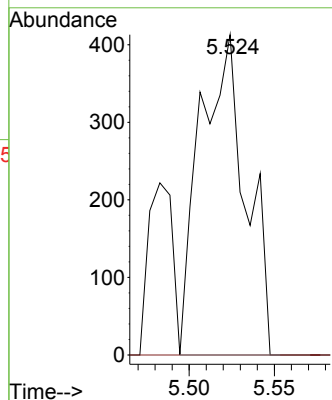
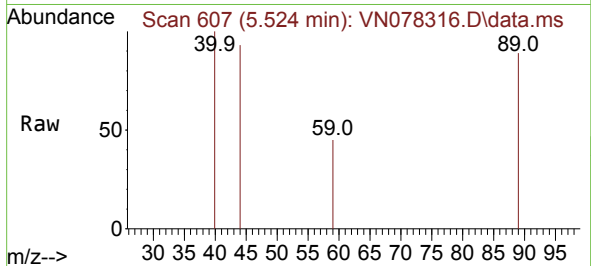




#11
Tert butyl alcohol
Concen: 0.966 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.012 min
Lab File: VN078316.D
Acq: 21 Jun 2023 12:35

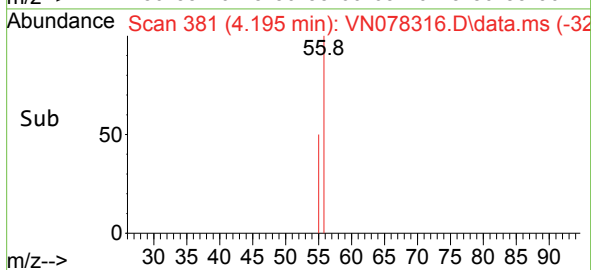
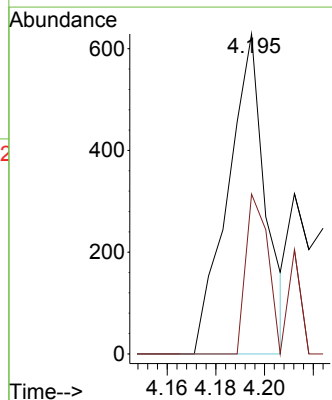
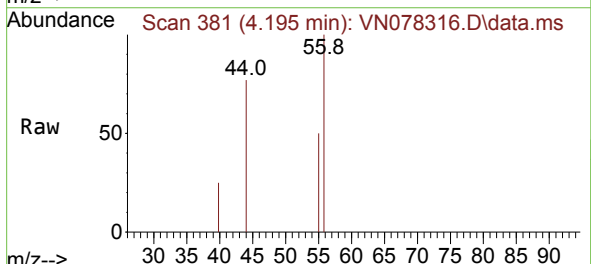
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VN0621MBL01

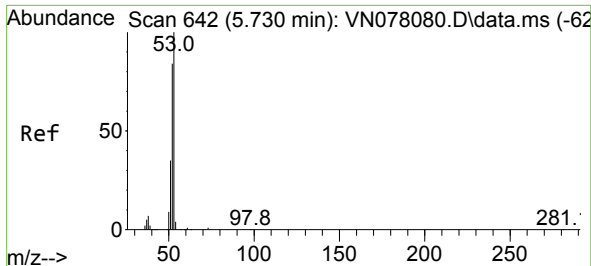
Tgt Ion: 59 Resp: 772
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.766 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN078316.D
Acq: 21 Jun 2023 12:35

Tgt Ion: 56 Resp: 674
Ion Ratio Lower Upper
56 100
55 39.9 54.5 81.7#

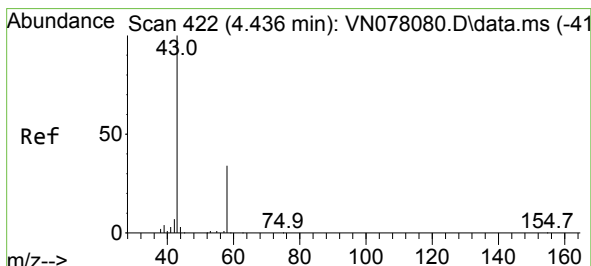
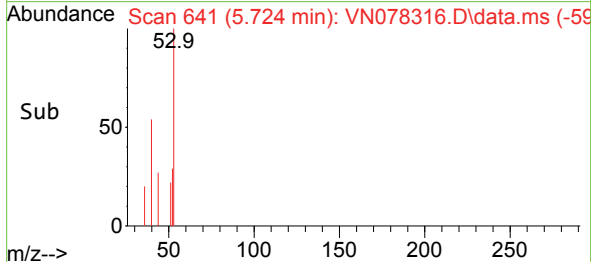
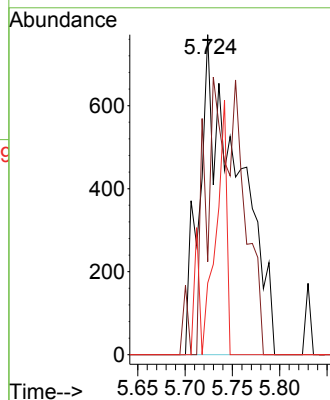
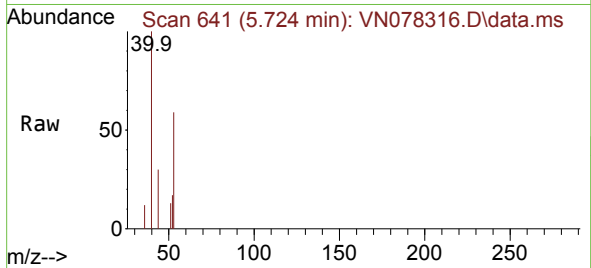




#15
Acrylonitrile
Concen: 1.070 ug/l
RT: 5.724 min Scan# 641
Delta R.T. -0.006 min
Lab File: VN078316.D
Acq: 21 Jun 2023 12:35

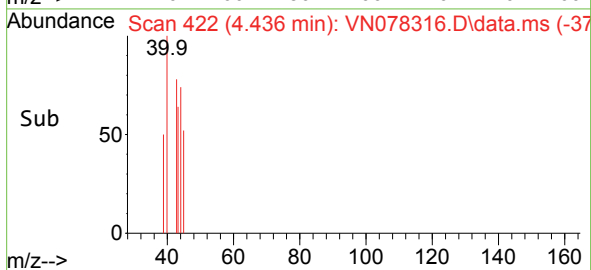
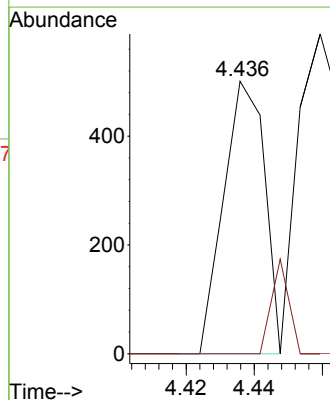
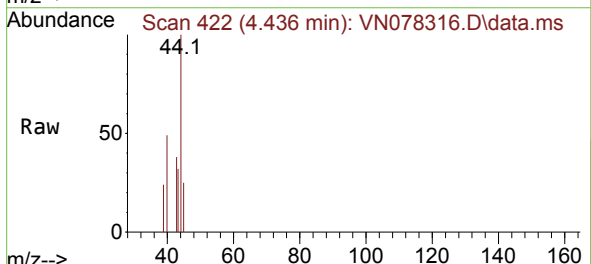
Instrument :
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ClientSampleId :
VN0621MBL01

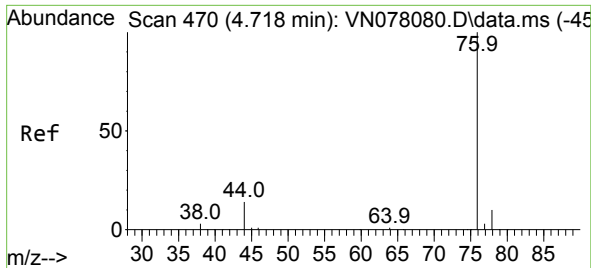
Tgt Ion: 53 Resp: 2204
Ion Ratio Lower Upper
53 100
52 49.3 65.3 97.9#
51 21.8 28.9 43.3#



#16
Acetone
Concen: 0.251 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.000 min
Lab File: VN078316.D
Acq: 21 Jun 2023 12:35

Tgt Ion: 43 Resp: 418
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

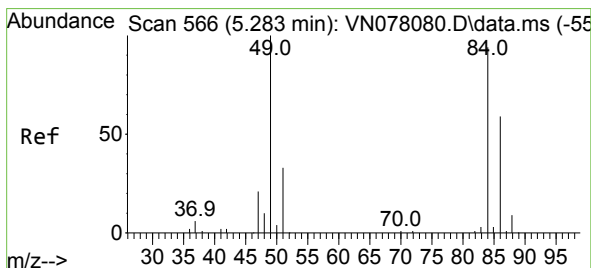
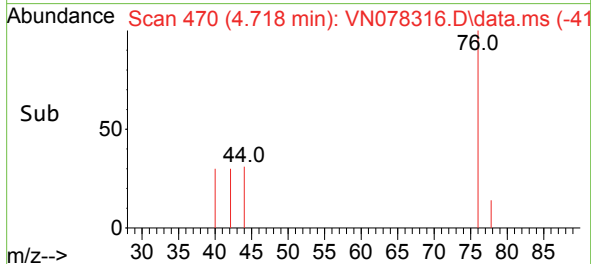
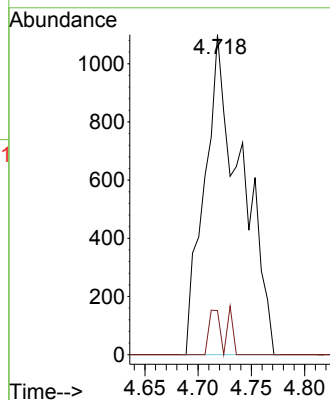
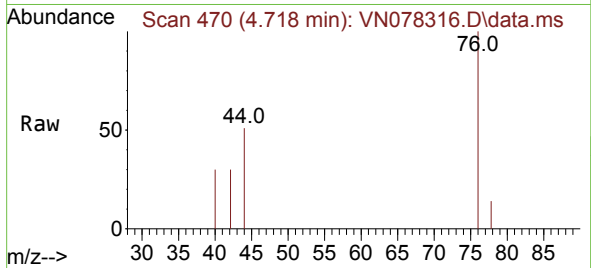




#17
Carbon Disulfide
Concen: 0.219 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN078316.D
Acq: 21 Jun 2023 12:35

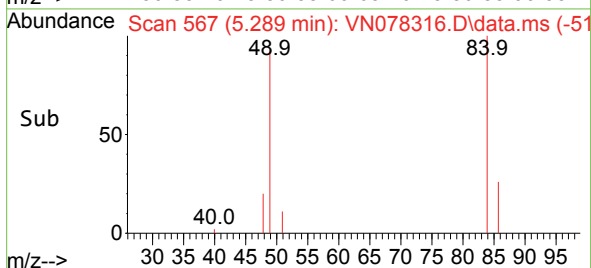
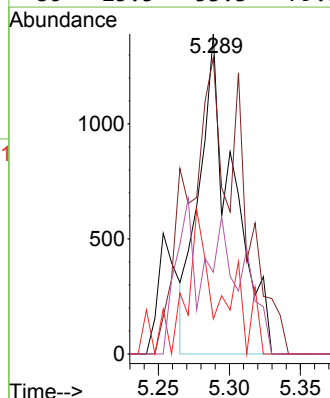
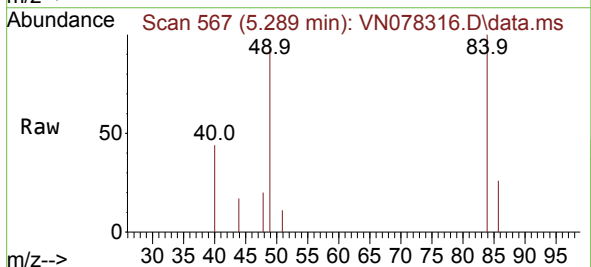
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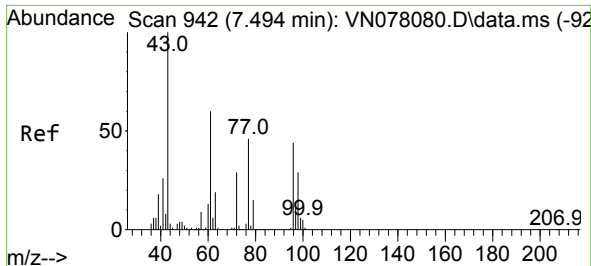
Tgt Ion: 76 Resp: 2667
Ion Ratio Lower Upper
76 100
78 13.8 7.4 11.0#



#20
Methylene Chloride
Concen: 0.422 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN078316.D
Acq: 21 Jun 2023 12:35

Tgt Ion: 84 Resp: 2324
Ion Ratio Lower Upper
84 100
49 80.6 79.7 119.5
51 10.9 25.2 37.8#
86 25.5 53.3 79.9#

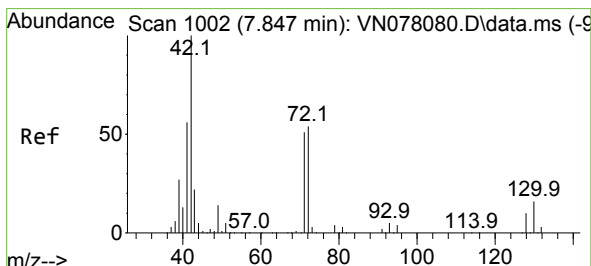
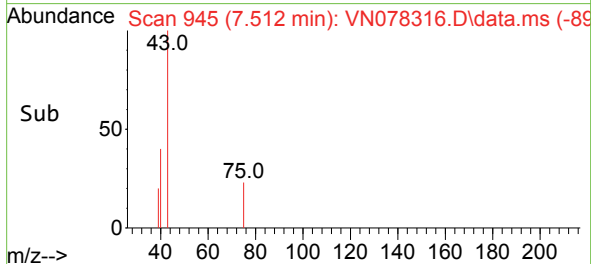
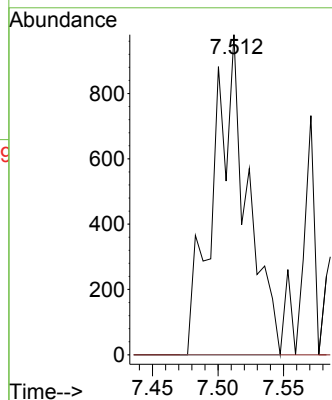
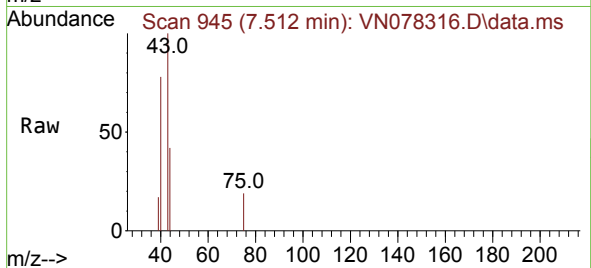




#25
2-Butanone
Concen: 0.689 ug/l
RT: 7.512 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN078316.D
Acq: 21 Jun 2023 12:35

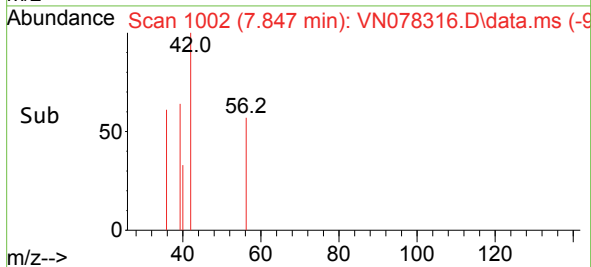
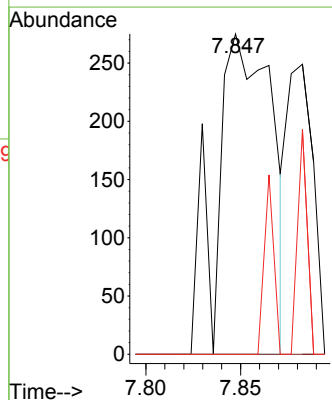
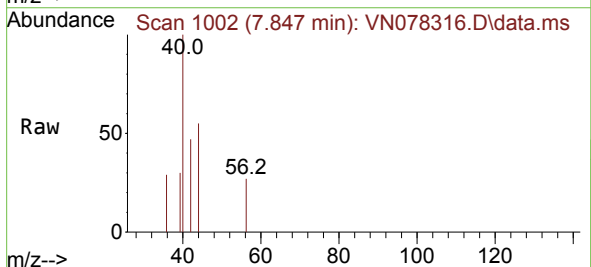
Instrument :
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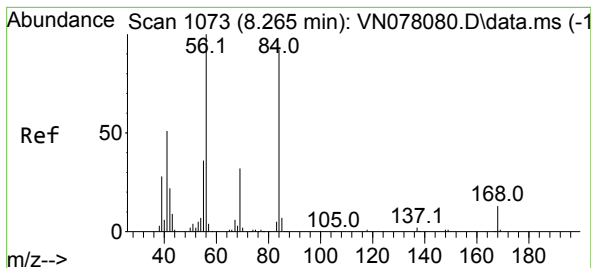
Tgt Ion: 43 Resp: 1764
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.329 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VN078316.D
Acq: 21 Jun 2023 12:35

Tgt Ion: 42 Resp: 563
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 9.6 47.4 71.2#





#31

Cyclohexane

Concen: 1.315 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN078316.D

Acq: 21 Jun 2023 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBL01

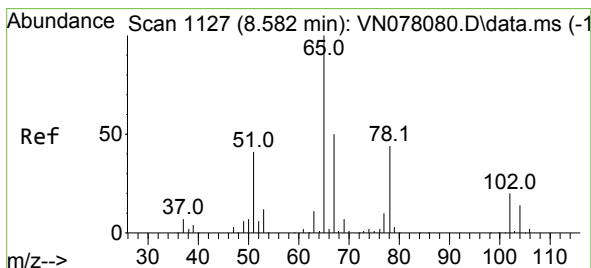
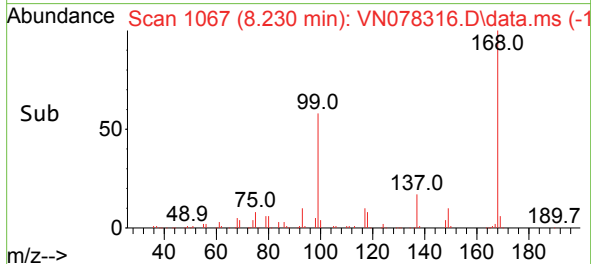
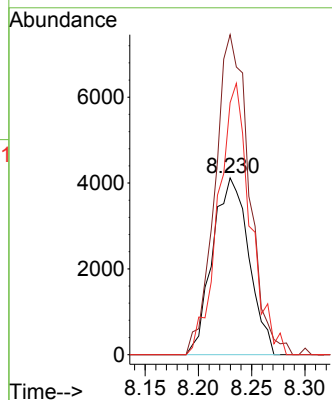
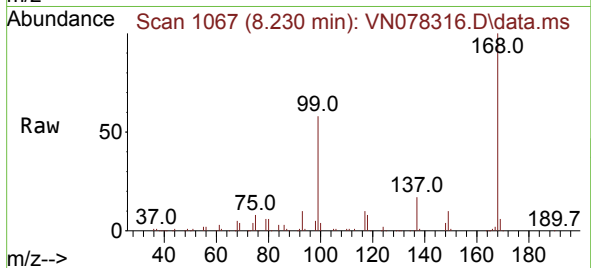
Tgt Ion: 56 Resp: 9756

Ion Ratio Lower Upper

56 100

69 181.0 26.8 40.2#

84 142.5 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 52.959 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078316.D

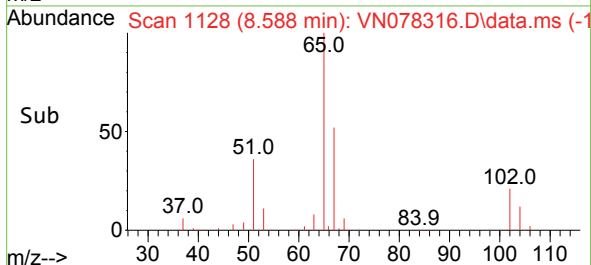
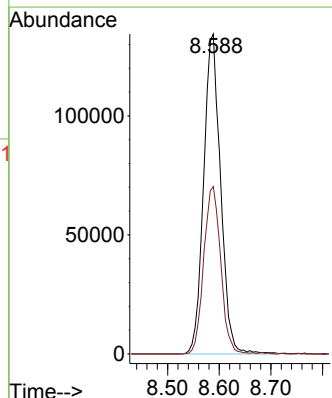
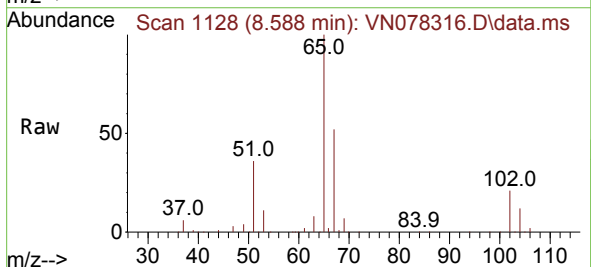
Acq: 21 Jun 2023 12:35

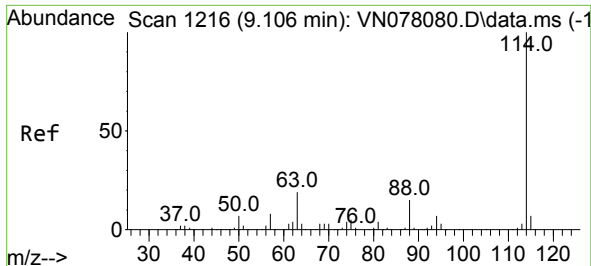
Tgt Ion: 65 Resp: 306360

Ion Ratio Lower Upper

65 100

67 52.2 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: VN078316.D

Acq: 21 Jun 2023 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBL01

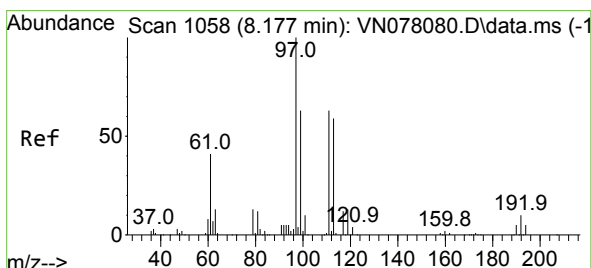
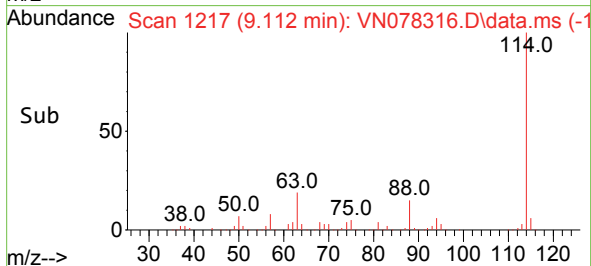
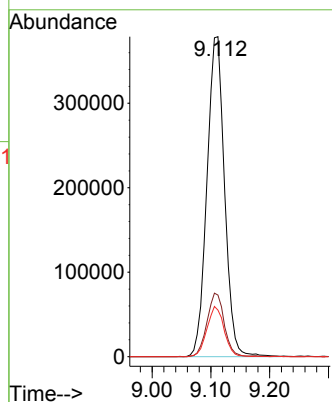
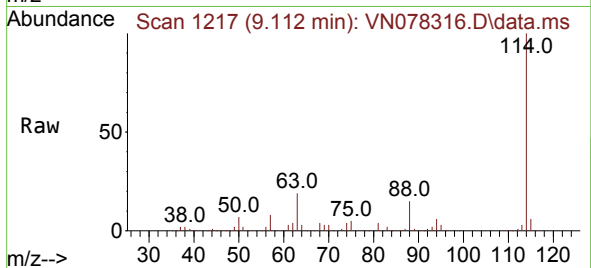
Tgt Ion:114 Resp: 786767

Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.4

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 56.054 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN078316.D

Acq: 21 Jun 2023 12:35

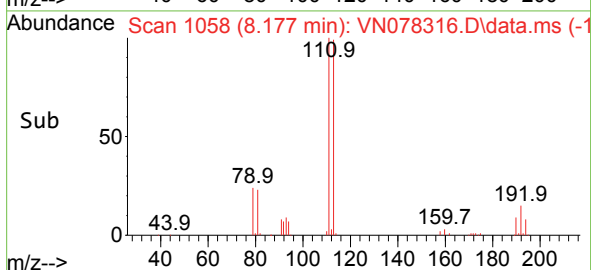
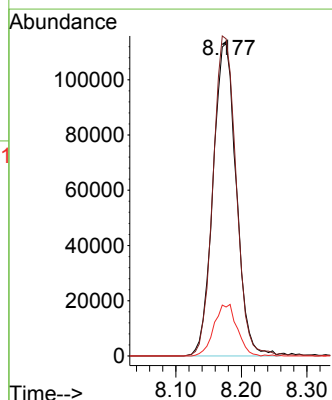
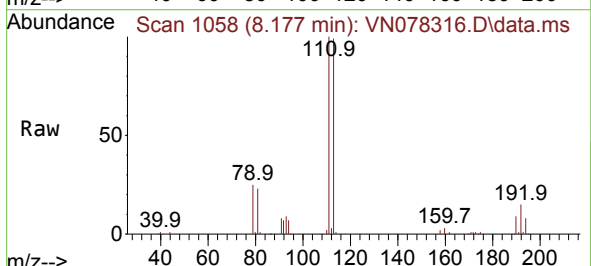
Tgt Ion:113 Resp: 278847

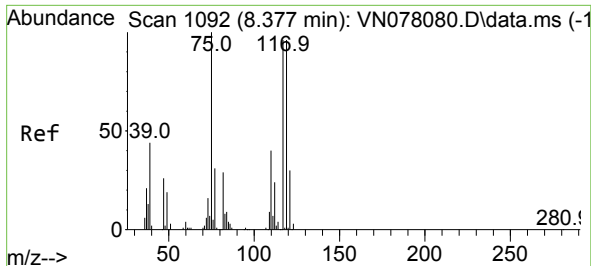
Ion Ratio Lower Upper

113 100

111 101.6 82.6 123.8

192 16.4 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.263 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN078316.D

Acq: 21 Jun 2023 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBL01

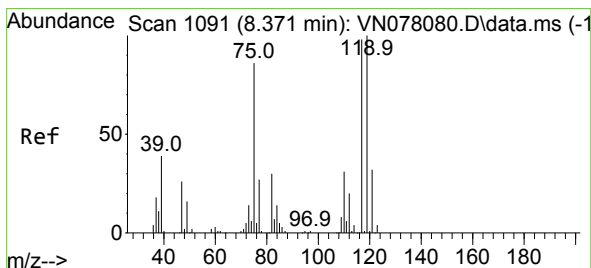
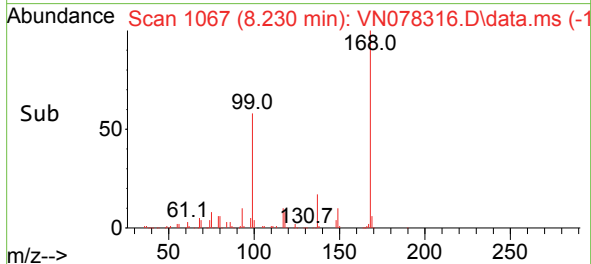
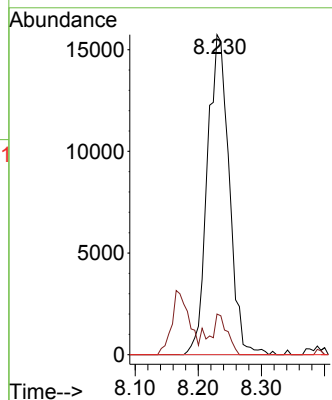
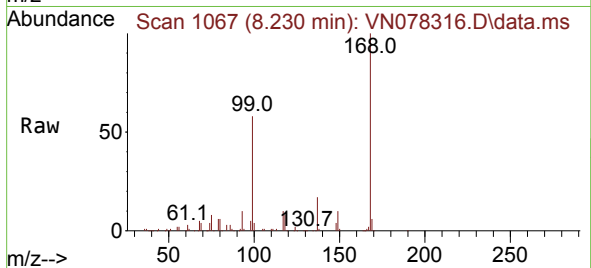
Tgt Ion: 75 Resp: 37557

Ion Ratio Lower Upper

75 100

110 6.7 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.354 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN078316.D

Acq: 21 Jun 2023 12:35

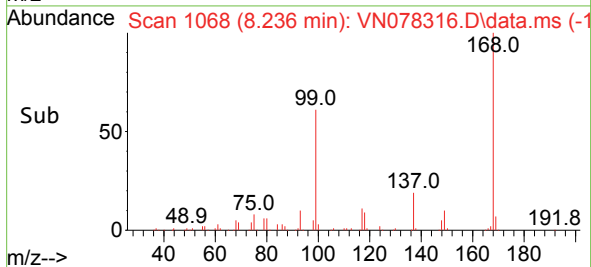
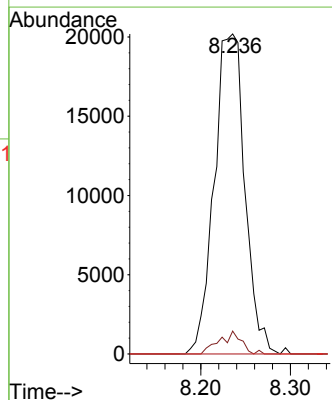
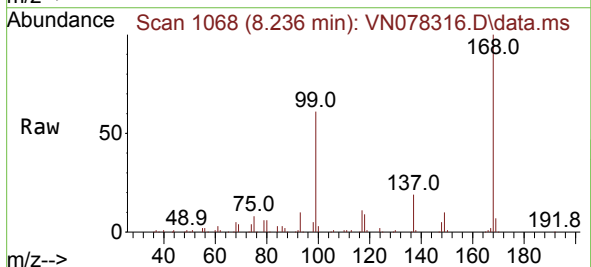
Tgt Ion: 117 Resp: 47877

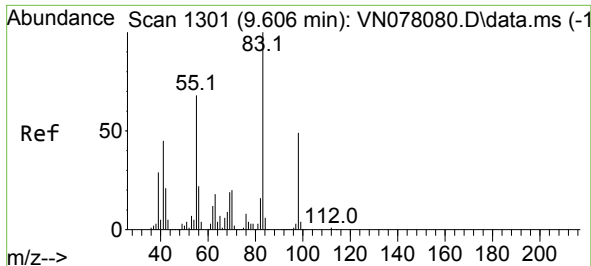
Ion Ratio Lower Upper

117 100

119 7.1 77.3 115.9#

121 0.0 23.3 34.9#





#39

Methylcyclohexane

Concen: 0.298 ug/l

RT: 9.606 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078316.D

Acq: 21 Jun 2023 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBL01

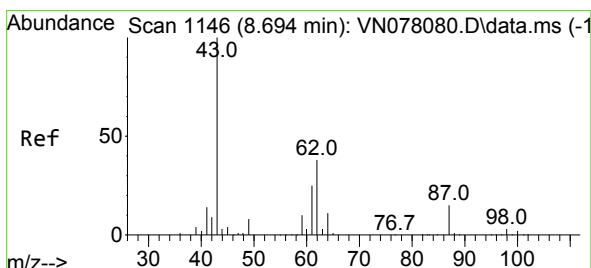
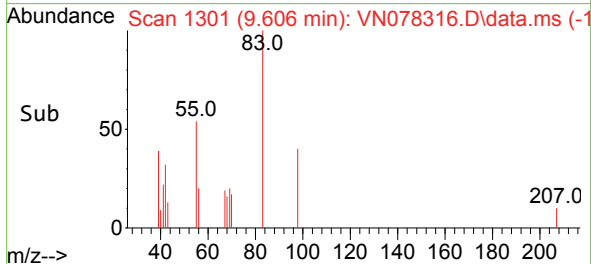
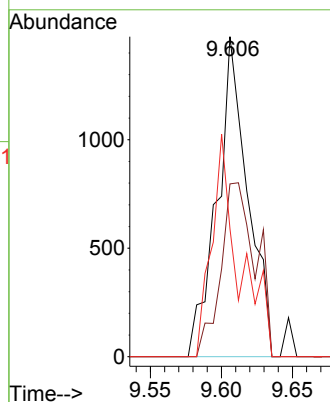
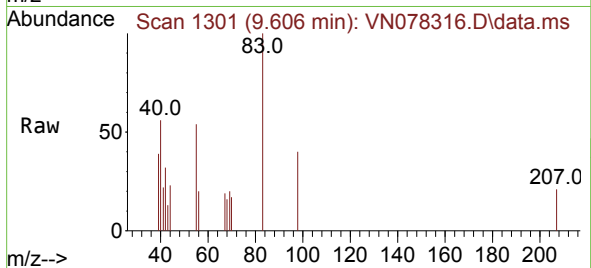
Tgt Ion: 83 Resp: 2206

Ion Ratio Lower Upper

83 100

55 54.0 49.1 73.7

98 40.0 40.6 61.0#



#43

Isopropyl Acetate

Concen: 0.388 ug/l

RT: 8.724 min Scan# 1151

Delta R.T. 0.030 min

Lab File: VN078316.D

Acq: 21 Jun 2023 12:35

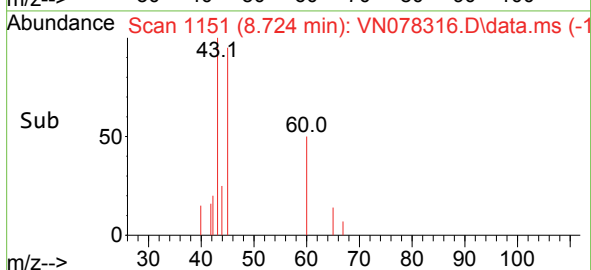
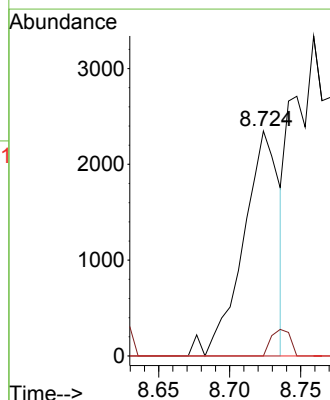
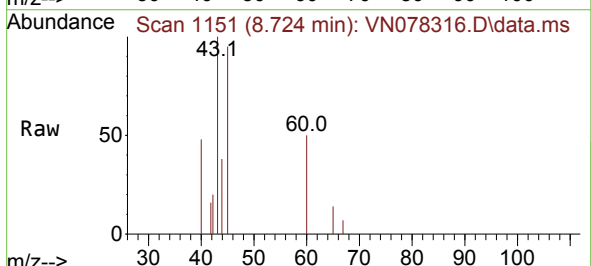
Tgt Ion: 43 Resp: 4139

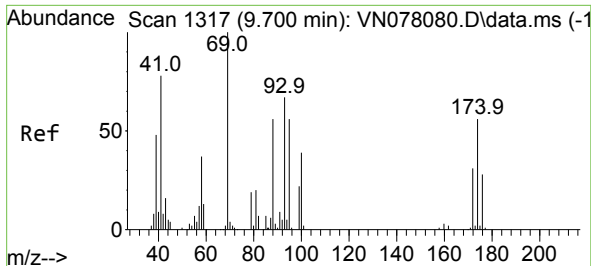
Ion Ratio Lower Upper

43 100

61 6.3 24.7 37.1#

87 0.0 14.6 21.8#





#49

1,4-Dioxane

Concen: 0.861 ug/l

RT: 9.706 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078316.D

Acq: 21 Jun 2023 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBL01

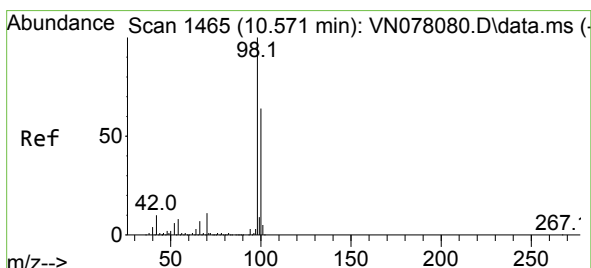
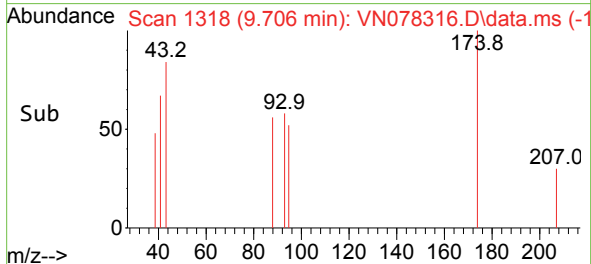
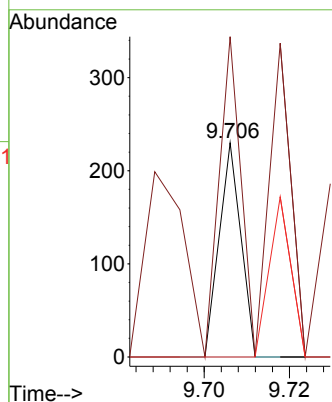
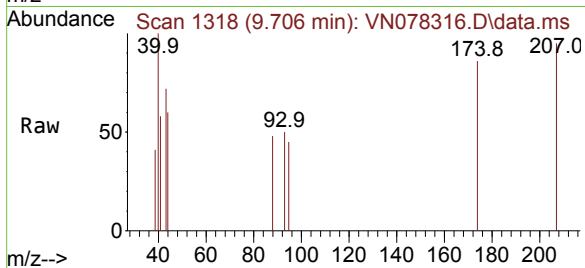
Tgt Ion: 88 Resp: 81

Ion Ratio Lower Upper

88 100

43 149.4 17.0 25.6#

58 75.3 47.0 70.4#



#50

Toluene-d8

Concen: 47.265 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078316.D

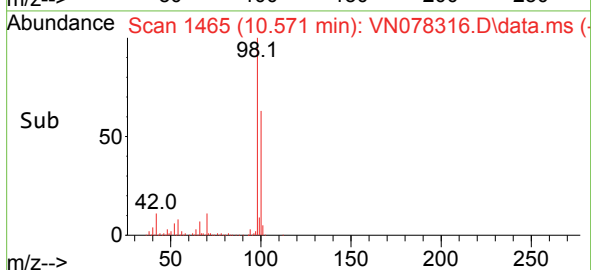
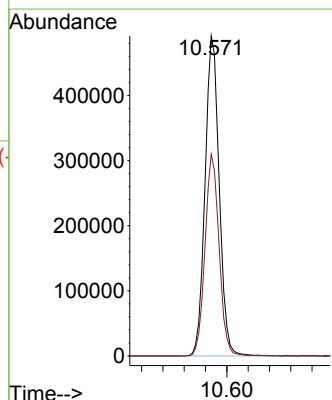
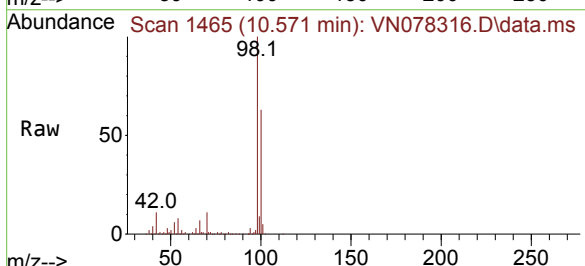
Acq: 21 Jun 2023 12:35

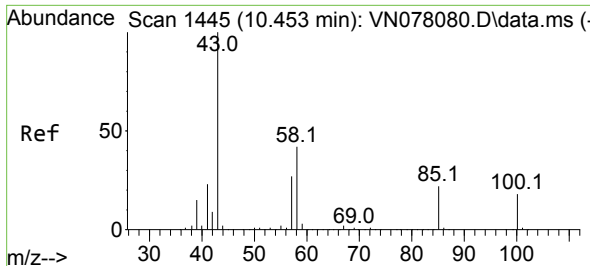
Tgt Ion: 98 Resp: 906425

Ion Ratio Lower Upper

98 100

100 62.7 52.0 78.0

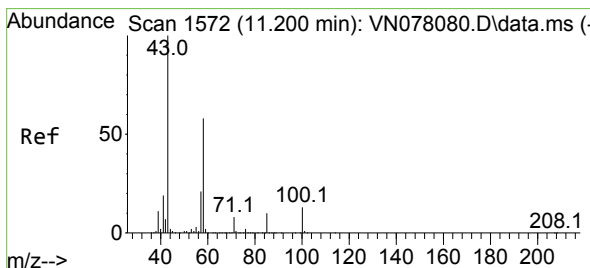
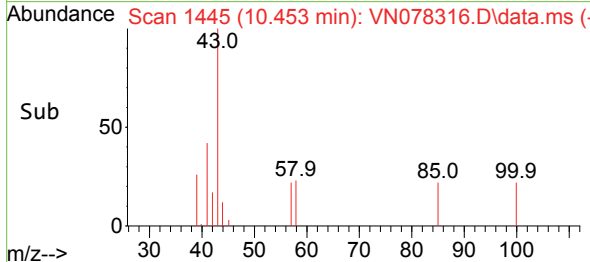
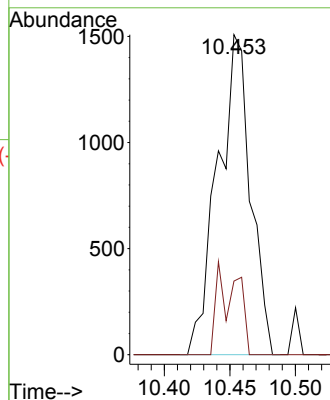
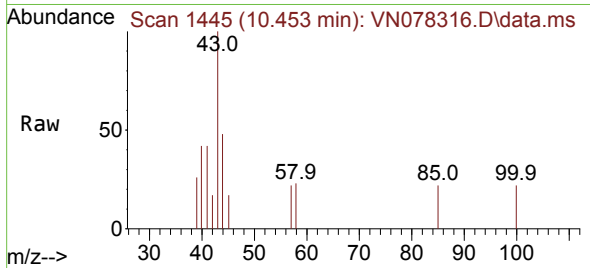




#51
4-Methyl-2-Pentanone
Concen: 0.468 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078316.D
Acq: 21 Jun 2023 12:35

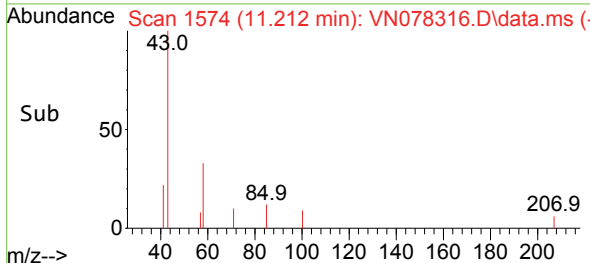
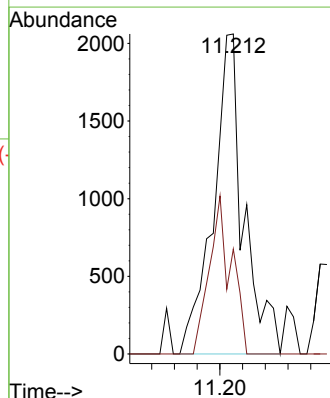
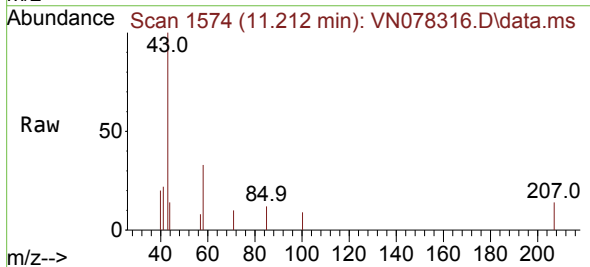
Instrument :
MSVOA_N
ClientSampleId :
VN0621MBL01

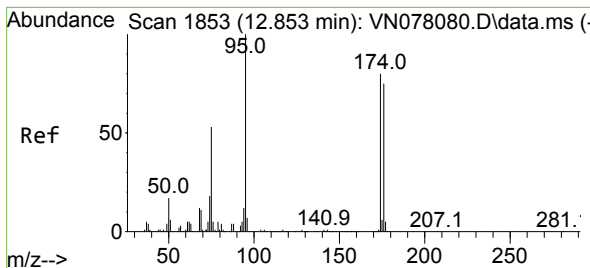
Tgt Ion: 43 Resp: 2626
Ion Ratio Lower Upper
43 100
58 17.6 36.6 54.8#



#59
2-Hexanone
Concen: 0.980 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN078316.D
Acq: 21 Jun 2023 12:35

Tgt Ion: 43 Resp: 3829
Ion Ratio Lower Upper
43 100
58 35.8 31.7 95.1

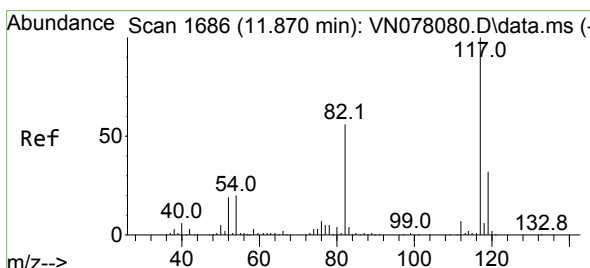
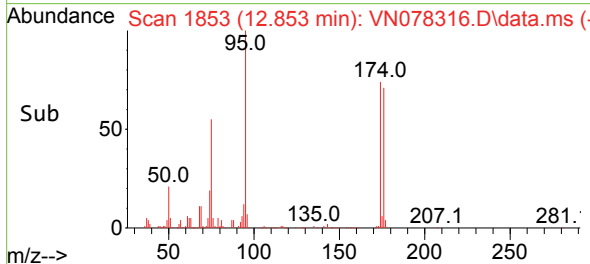
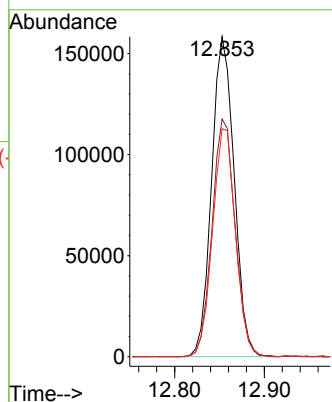
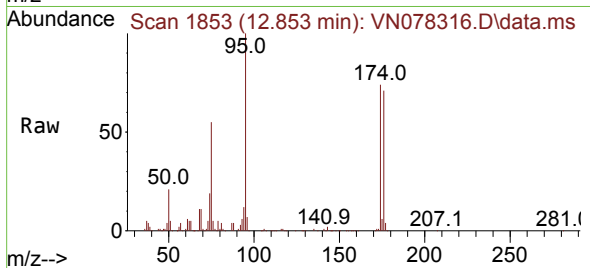




#62
4-Bromofluorobenzene
Concen: 46.326 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078316.D
Acq: 21 Jun 2023 12:35

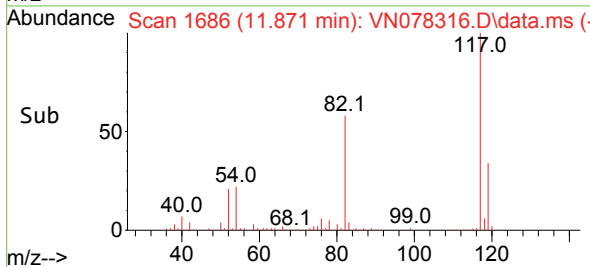
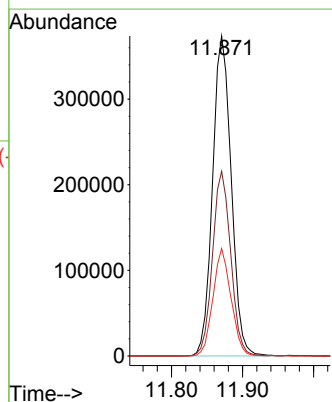
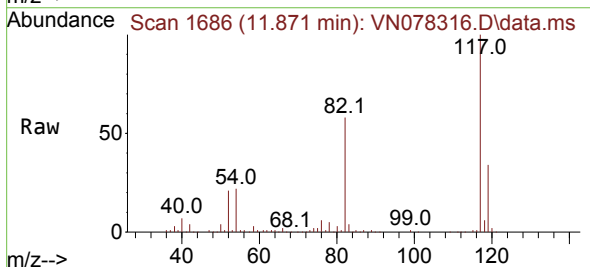
Instrument :
MSVOA_N
ClientSampleId :
VN0621MBL01

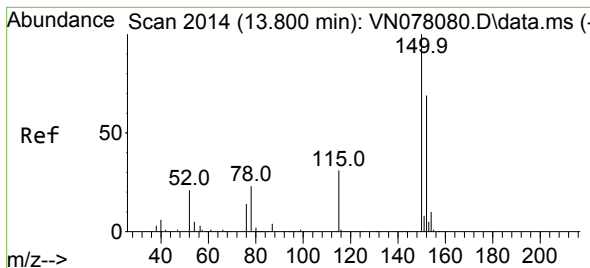
Tgt Ion: 95 Resp: 276189
Ion Ratio Lower Upper
95 100
174 75.7 0.0 143.8
176 72.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078316.D
Acq: 21 Jun 2023 12:35

Tgt Ion: 117 Resp: 681072
Ion Ratio Lower Upper
117 100
82 57.7 44.0 66.0
119 33.5 25.6 38.4

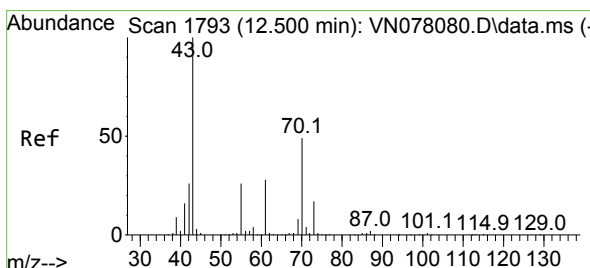
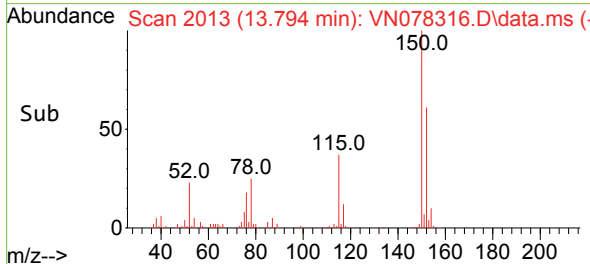
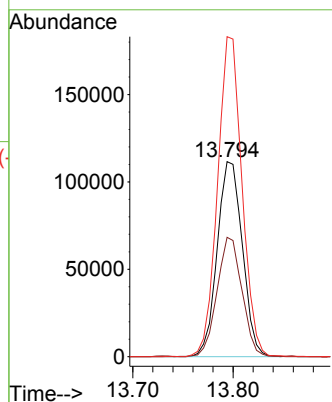
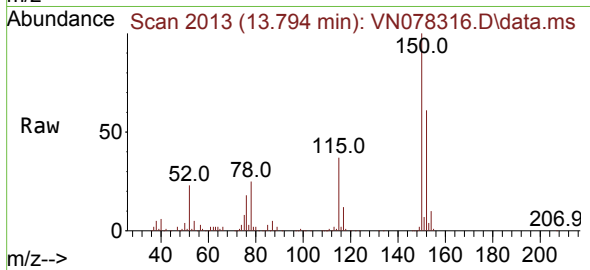




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: VN078316.D
 Acq: 21 Jun 2023 12:35

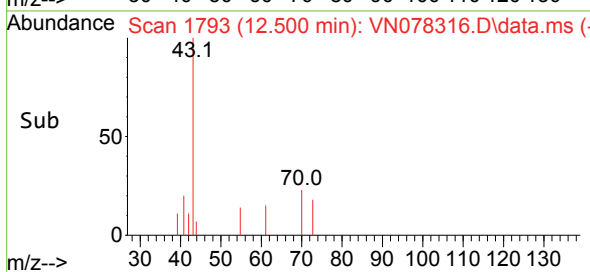
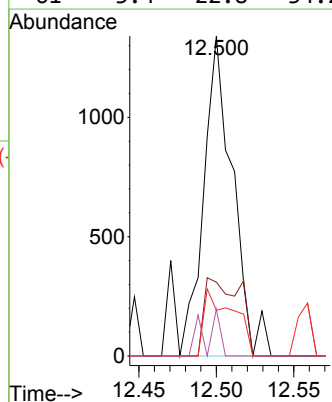
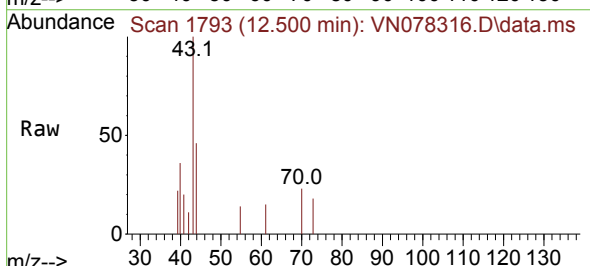
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBL01

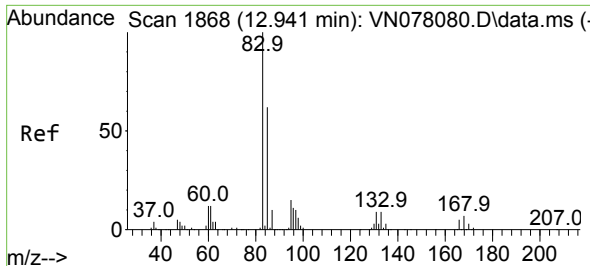
Tgt Ion:152 Resp: 194718
 Ion Ratio Lower Upper
 152 100
 115 60.5 32.3 96.8
 150 159.3 0.0 355.8



#74
 N-ethyl acetate
 Concen: 0.287 ug/l
 RT: 12.500 min Scan# 1793
 Delta R.T. 0.000 min
 Lab File: VN078316.D
 Acq: 21 Jun 2023 12:35

Tgt Ion: 43 Resp: 1741
 Ion Ratio Lower Upper
 43 100
 70 29.7 43.4 65.2#
 55 21.0 21.4 32.0#
 61 3.4 22.8 34.2#

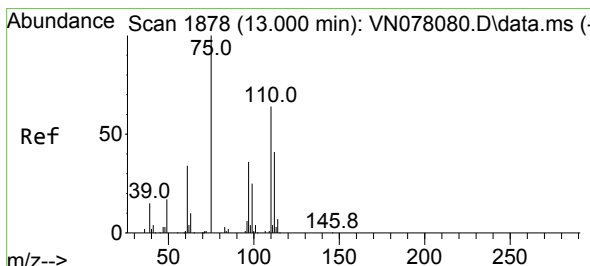
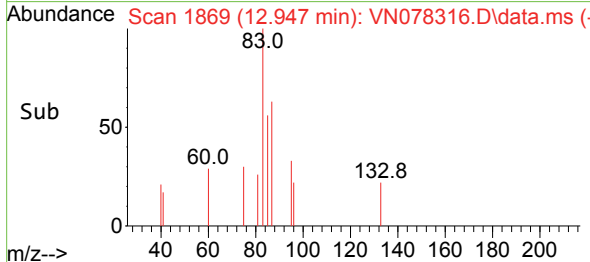
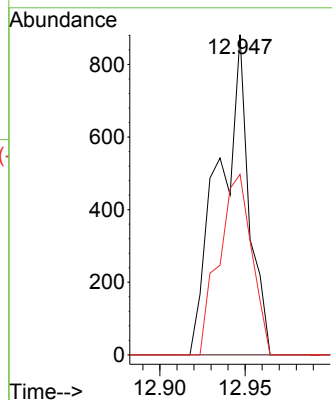
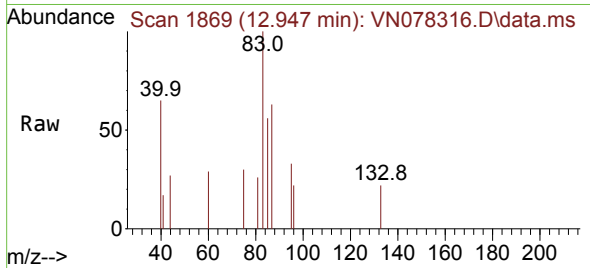




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.947 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VN078316.D
Acq: 21 Jun 2023 12:35

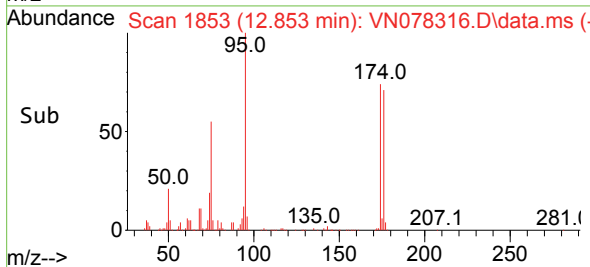
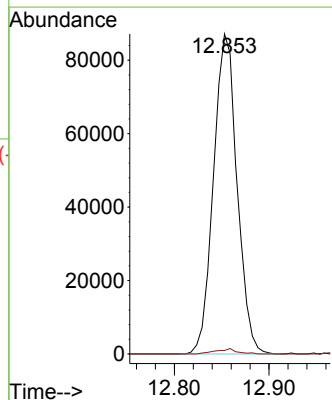
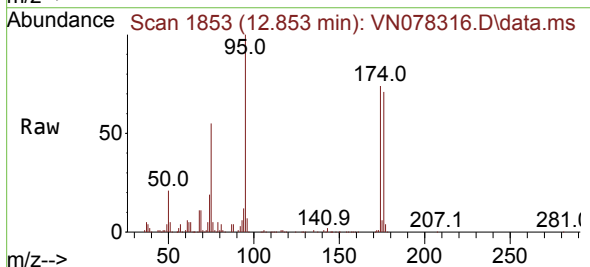
Instrument :
MSVOA_N
ClientSampleId :
VN0621MBL01

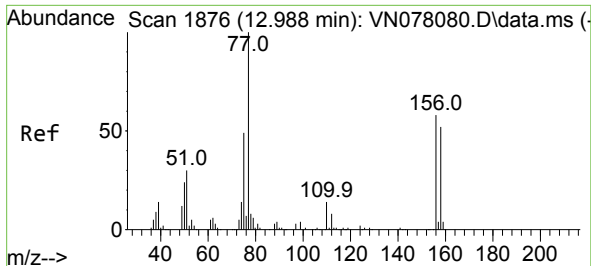
Tgt Ion: 83 Resp: 1078
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 61.9 31.9 95.7



#76
1,2,3-Trichloropropane
Concen: 32.701 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078316.D
Acq: 21 Jun 2023 12:35

Tgt Ion: 75 Resp: 150531
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#

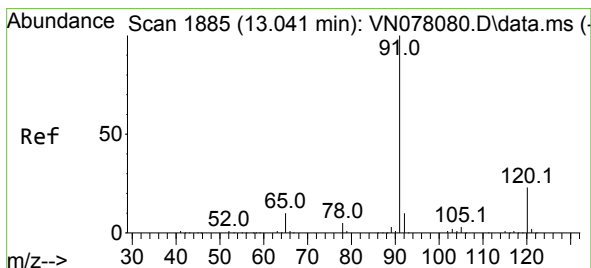
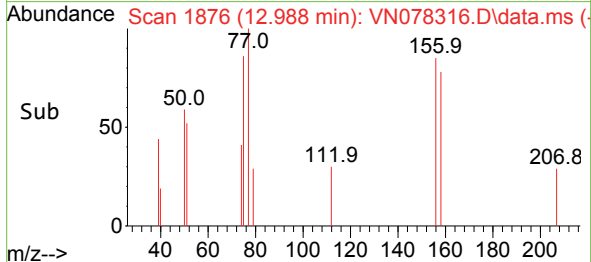
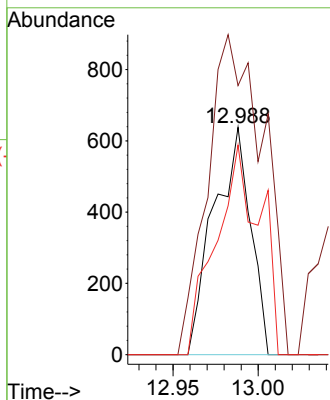
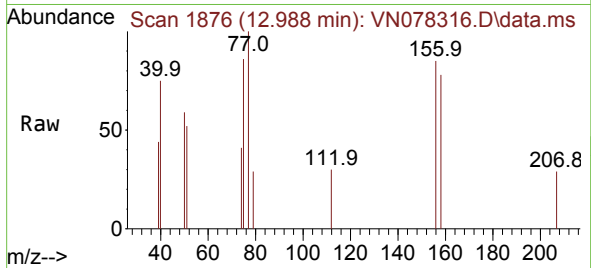




#77
Bromobenzene
Concen: 0.224 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN078316.D
Acq: 21 Jun 2023 12:35

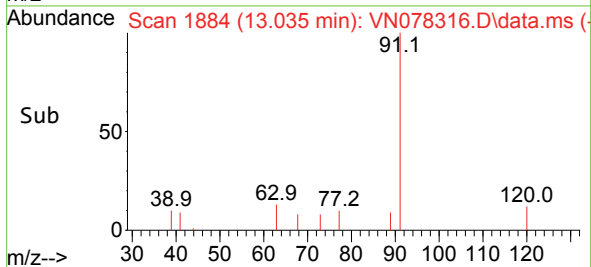
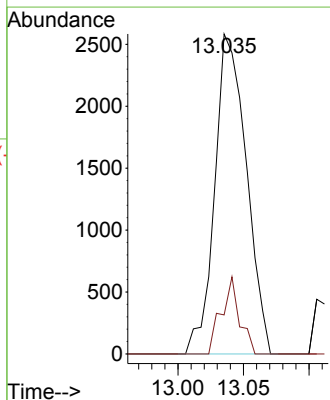
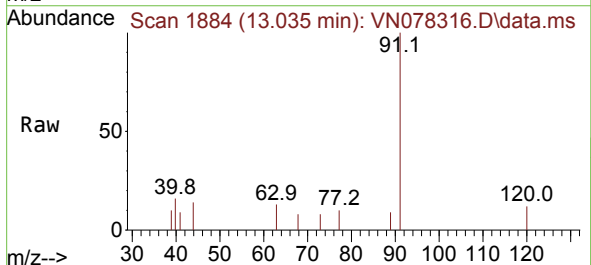
Instrument :
MSVOA_N
ClientSampleId :
VN0621MBL01

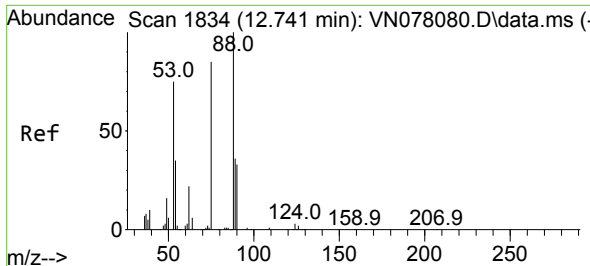
Tgt Ion:156 Resp: 958
Ion Ratio Lower Upper
156 100
77 212.9 107.7 323.3
158 110.6 48.4 145.3



#78
n-propylbenzene
Concen: 0.217 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.006 min
Lab File: VN078316.D
Acq: 21 Jun 2023 12:35

Tgt Ion: 91 Resp: 4332
Ion Ratio Lower Upper
91 100
120 13.8 11.5 34.4

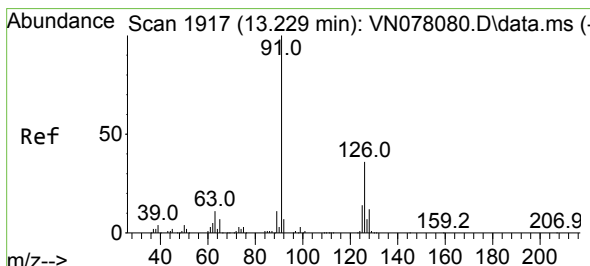
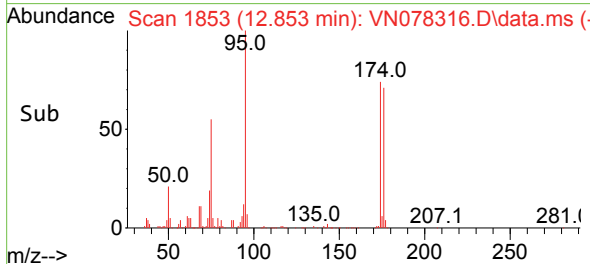
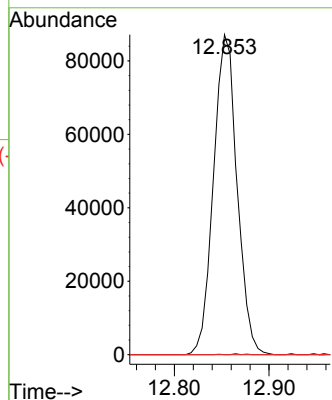
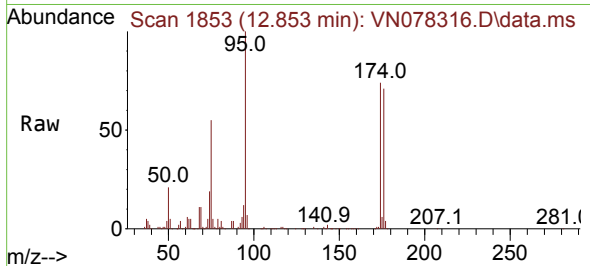




#81
trans-1,4-Dichloro-2-butene
Concen: 100.469 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078316.D
Acq: 21 Jun 2023 12:35

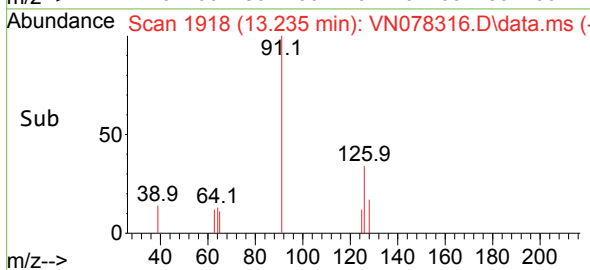
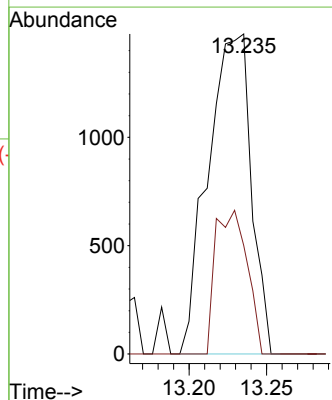
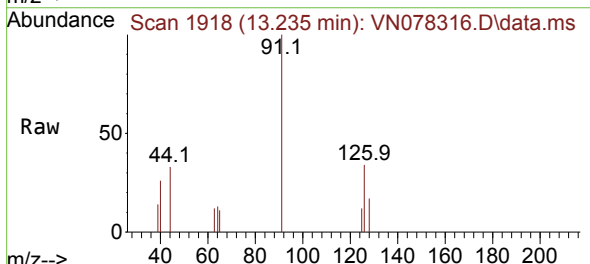
Instrument :
MSVOA_N
ClientSampleId :
VN0621MBL01

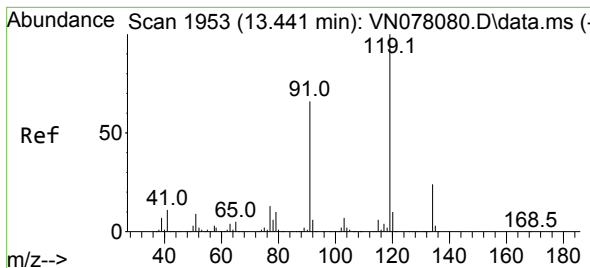
Tgt Ion: 75 Resp: 150531
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#82
4-Chlorotoluene
Concen: 0.238 ug/l
RT: 13.235 min Scan# 1918
Delta R.T. 0.006 min
Lab File: VN078316.D
Acq: 21 Jun 2023 12:35

Tgt Ion: 91 Resp: 2866
Ion Ratio Lower Upper
91 100
126 32.8 16.7 50.0





#83

tert-Butylbenzene

Concen: 0.261 ug/l

RT: 13.441 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VN078316.D

Acq: 21 Jun 2023 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBL01

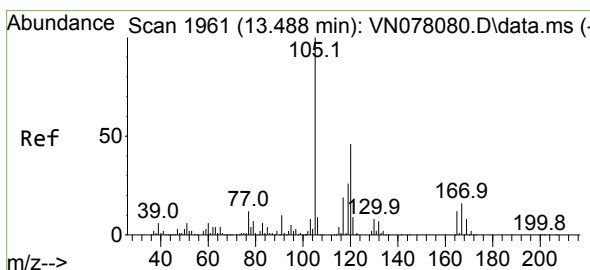
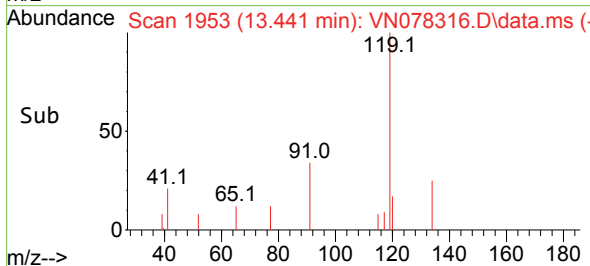
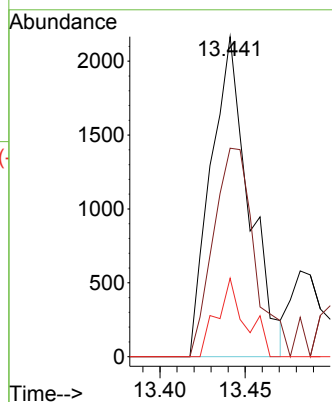
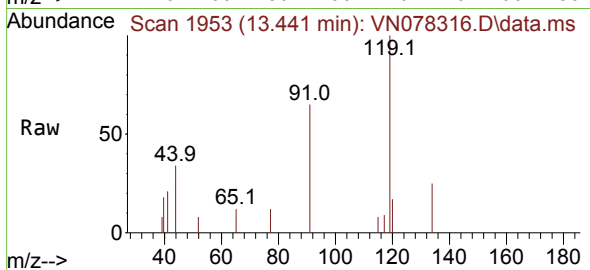
Tgt Ion:119 Resp: 3384

Ion Ratio Lower Upper

119 100

91 69.9 33.9 101.7

134 18.4 13.2 39.6



#84

1,2,4-Trimethylbenzene

Concen: 0.212 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.006 min

Lab File: VN078316.D

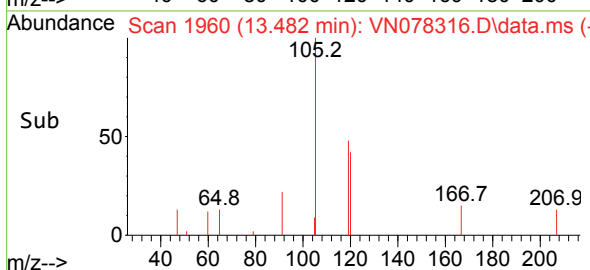
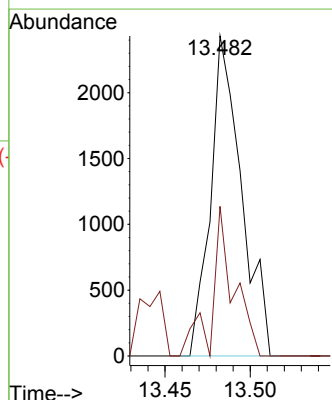
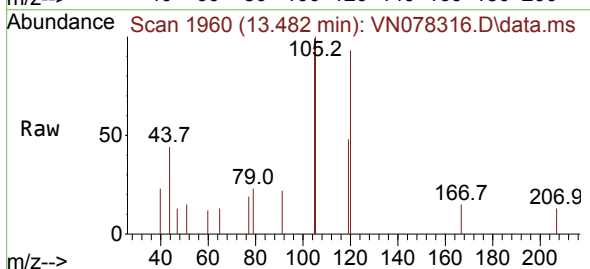
Acq: 21 Jun 2023 12:35

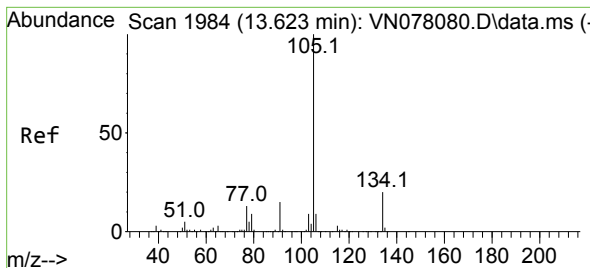
Tgt Ion:105 Resp: 3068

Ion Ratio Lower Upper

105 100

120 33.1 22.0 66.0





#85

sec-Butylbenzene

Concen: 0.434 ug/l

RT: 13.623 min Scan# 1984

Delta R.T. 0.000 min

Lab File: VN078316.D

Acq: 21 Jun 2023 12:35

Instrument :

MSVOA_N

ClientSampleId :

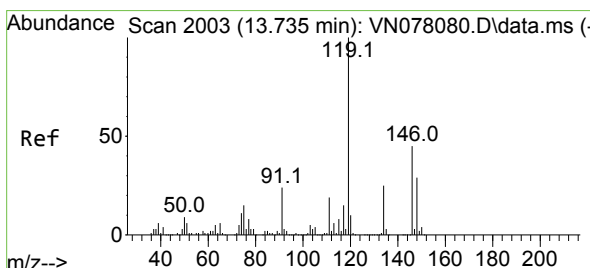
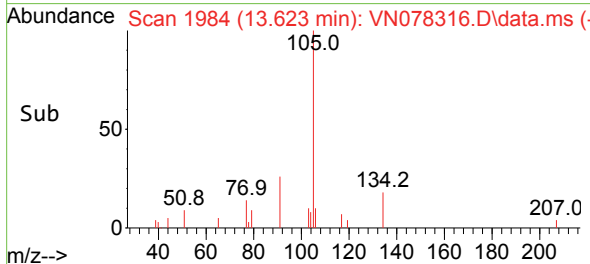
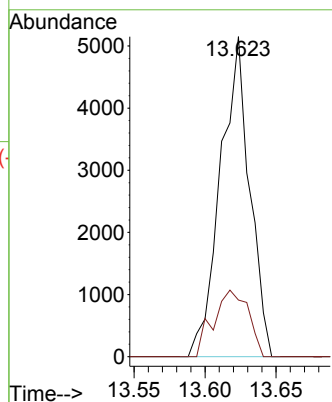
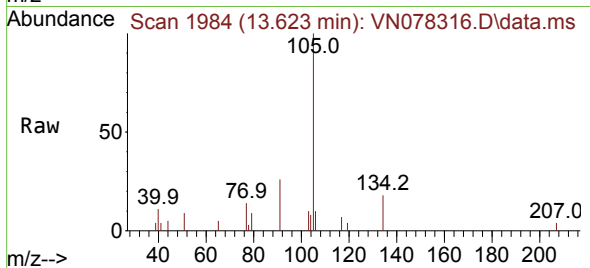
VN0621MBL01

Tgt Ion:105 Resp: 7359

Ion Ratio Lower Upper

105 100

134 24.7 9.8 29.3



#86

p-Isopropyltoluene

Concen: 0.417 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN078316.D

Acq: 21 Jun 2023 12:35

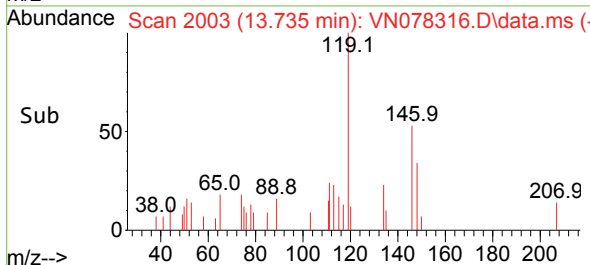
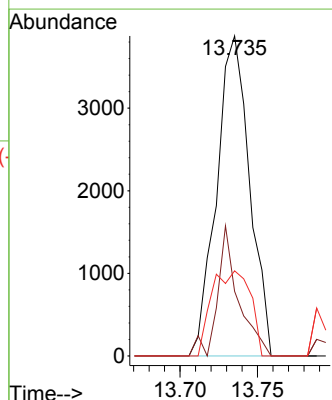
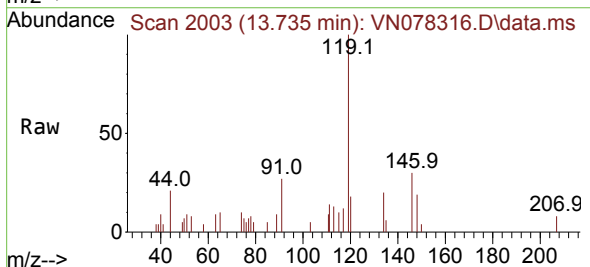
Tgt Ion:119 Resp: 5740

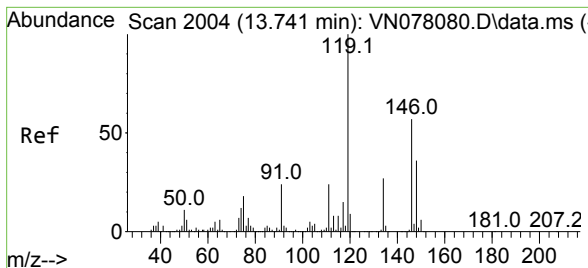
Ion Ratio Lower Upper

119 100

134 25.8 12.6 37.8

91 31.2 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 0.298 ug/l

RT: 13.741 min Scan# 2004

Delta R.T. 0.000 min

Lab File: VN078316.D

Acq: 21 Jun 2023 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBL01

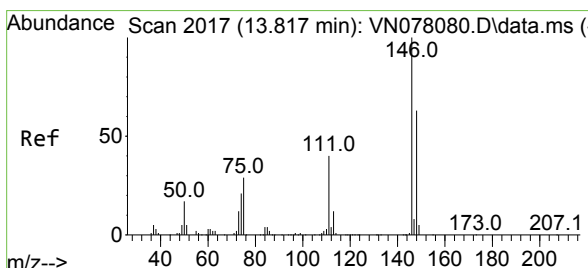
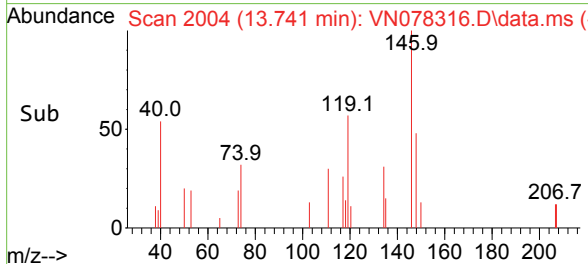
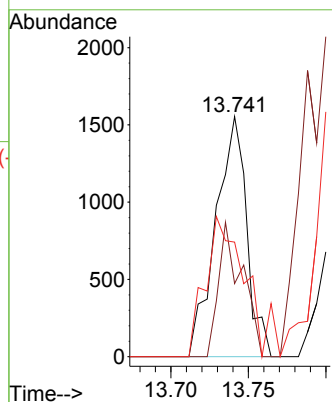
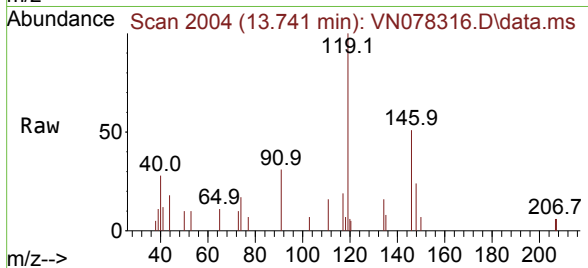
Tgt Ion:146 Resp: 2158

Ion Ratio Lower Upper

146 100

111 42.9 22.1 66.3

148 75.4 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 0.309 ug/l

RT: 13.741 min Scan# 2004

Delta R.T. -0.076 min

Lab File: VN078316.D

Acq: 21 Jun 2023 12:35

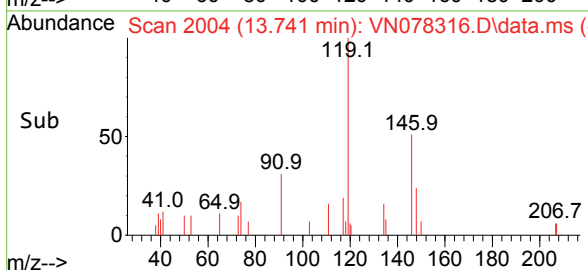
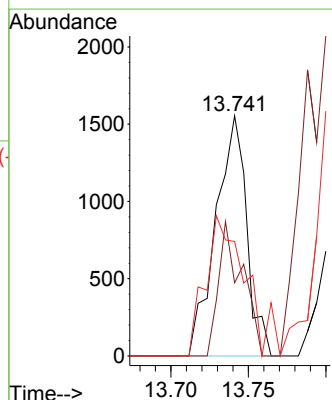
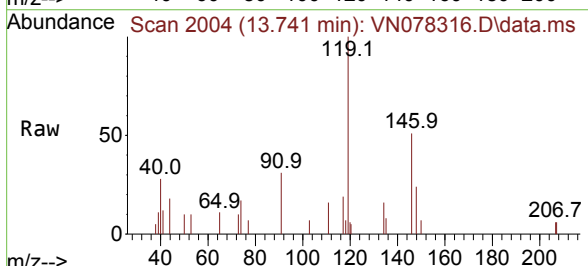
Tgt Ion:146 Resp: 2158

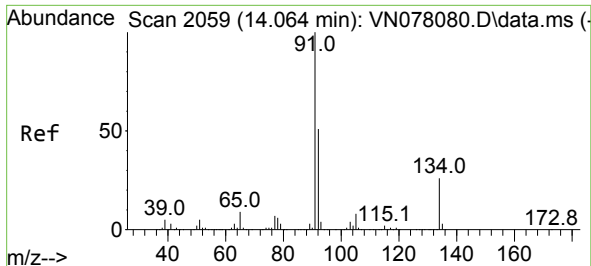
Ion Ratio Lower Upper

146 100

111 42.9 20.6 61.8

148 75.4 31.6 94.8





#89

n-Butylbenzene

Concen: 0.757 ug/l

RT: 14.059 min Scan# 2059

Delta R.T. -0.006 min

Lab File: VN078316.D

Acq: 21 Jun 2023 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBL01

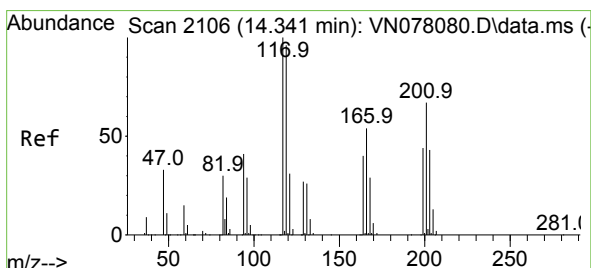
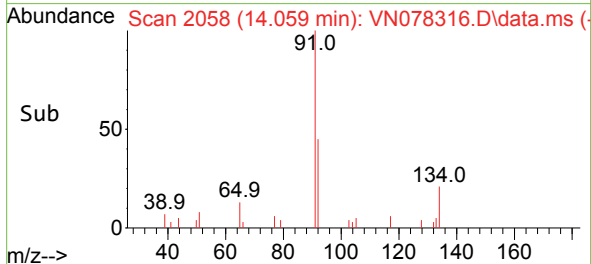
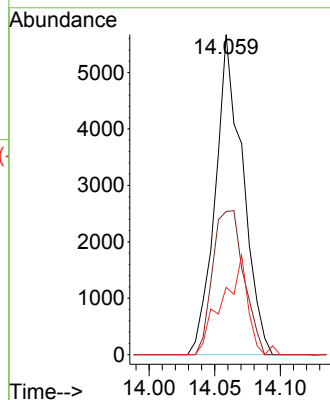
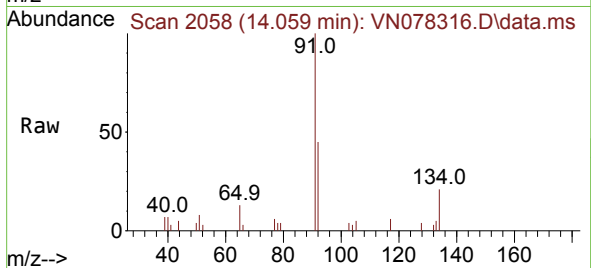
Tgt Ion: 91 Resp: 8214

Ion Ratio Lower Upper

91 100

92 51.5 26.4 79.0

134 29.2 12.6 37.6



#90

Hexachloroethane

Concen: 0.376 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. -0.006 min

Lab File: VN078316.D

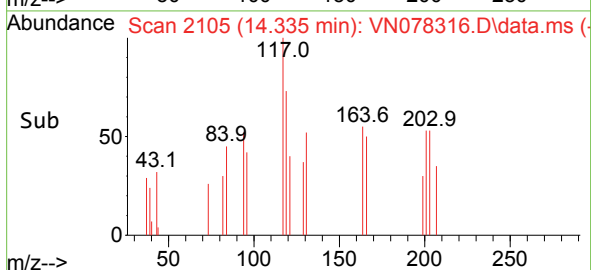
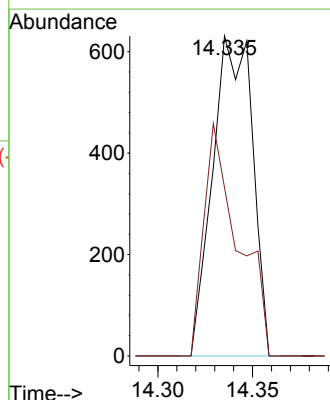
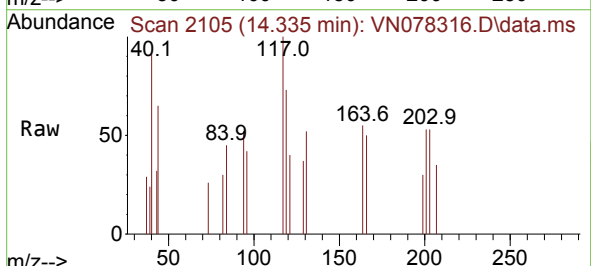
Acq: 21 Jun 2023 12:35

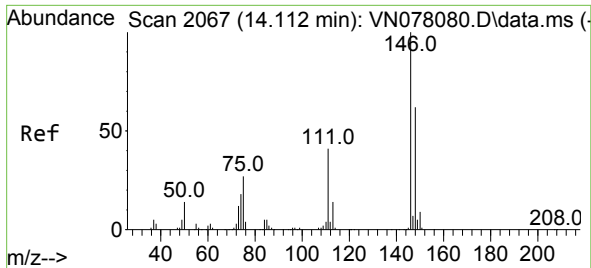
Tgt Ion: 117 Resp: 918

Ion Ratio Lower Upper

117 100

201 62.9 29.3 88.0

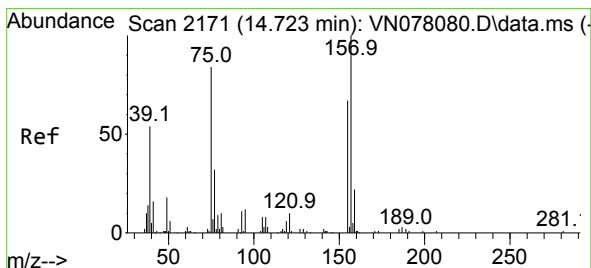
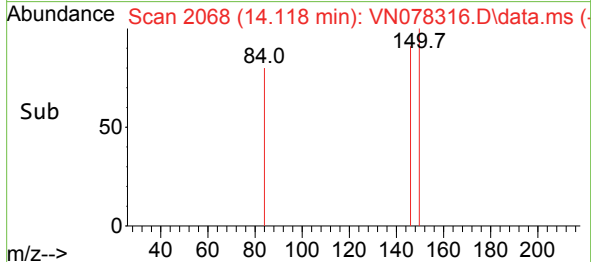
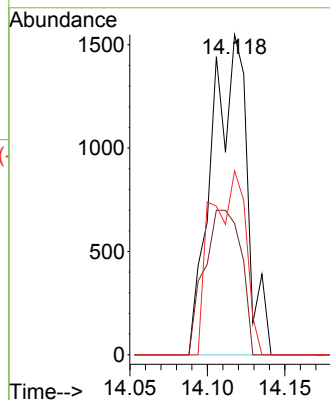
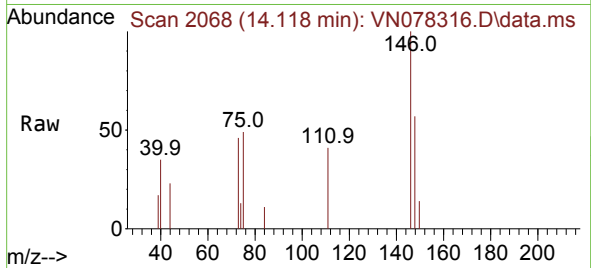




#91
1,2-Dichlorobenzene
Concen: 0.347 ug/l
RT: 14.118 min Scan# 2067
Delta R.T. 0.006 min
Lab File: VN078316.D
Acq: 21 Jun 2023 12:35

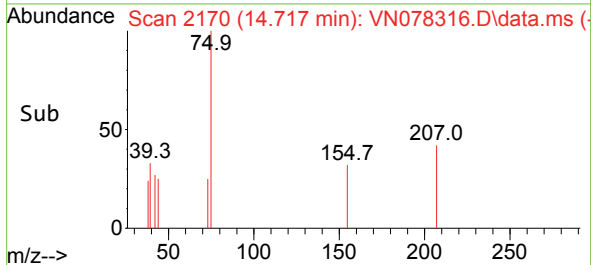
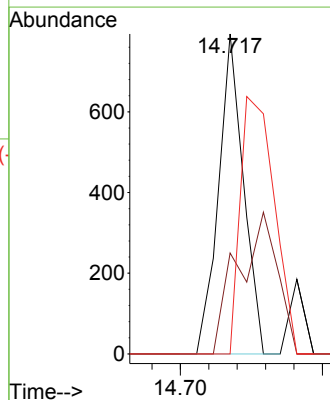
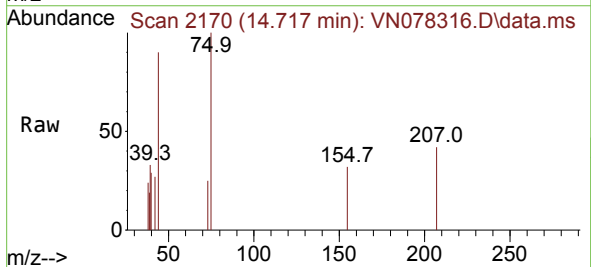
Instrument :
MSVOA_N
ClientSampleId :
VN0621MBL01

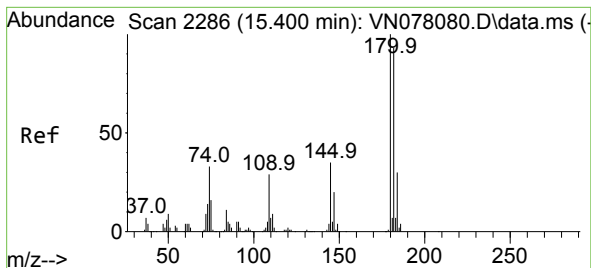
Tgt Ion:146 Resp: 2452
Ion Ratio Lower Upper
146 100
111 47.3 22.0 66.0
148 56.2 31.8 95.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.530 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VN078316.D
Acq: 21 Jun 2023 12:35

Tgt Ion: 75 Resp: 483
Ion Ratio Lower Upper
75 100
155 70.6 39.1 117.2
157 109.9 50.3 150.9





#93

1,2,4-Trichlorobenzene

Concen: 0.852 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN078316.D

Acq: 21 Jun 2023 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBL01

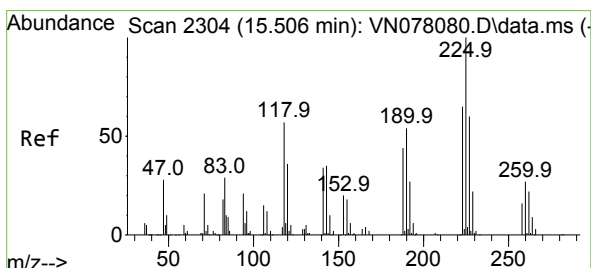
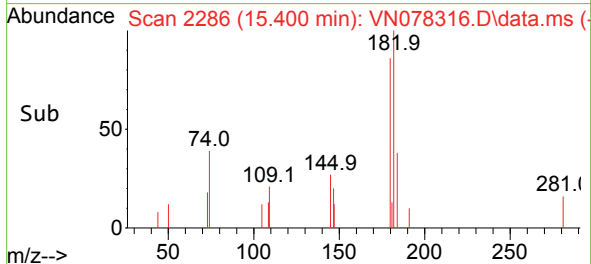
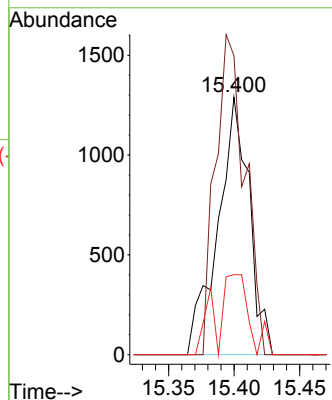
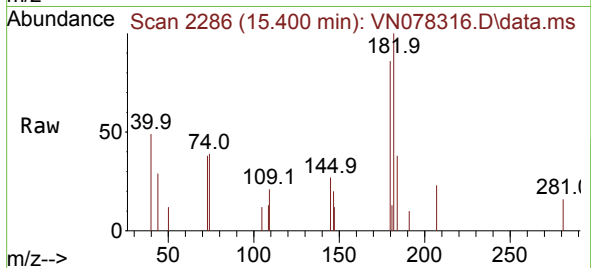
Tgt Ion:180 Resp: 2144

Ion Ratio Lower Upper

180 100

182 117.1 46.1 138.2

145 25.0 16.6 49.8



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.506 min Scan# 2304

Delta R.T. -0.000 min

Lab File: VN078316.D

Acq: 21 Jun 2023 12:35

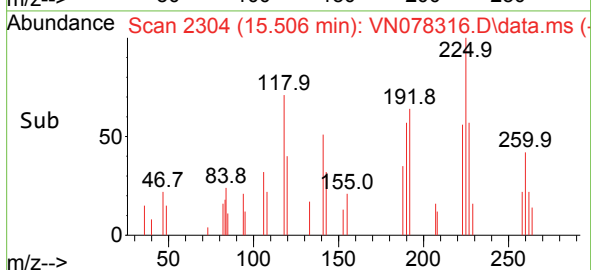
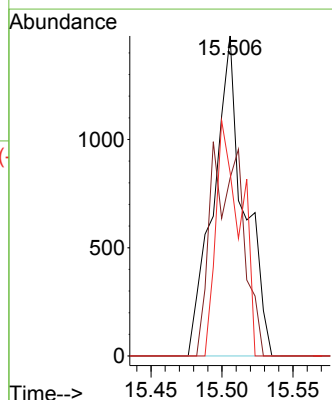
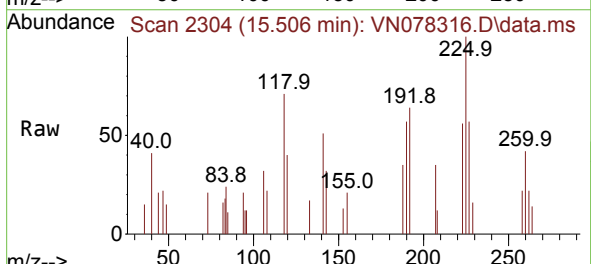
Tgt Ion:225 Resp: 2219

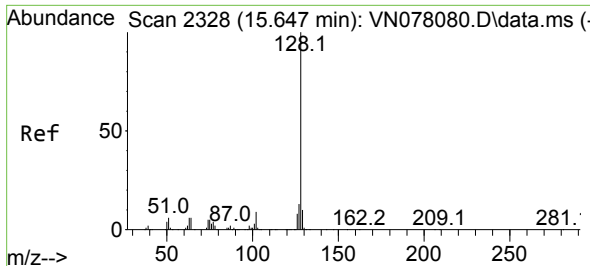
Ion Ratio Lower Upper

225 100

223 69.0 31.3 93.8

227 58.9 31.9 95.9

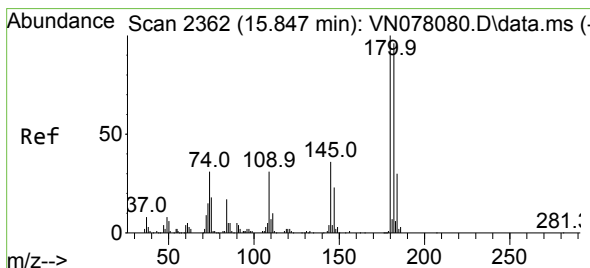
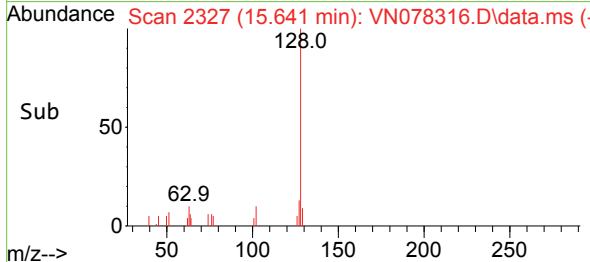
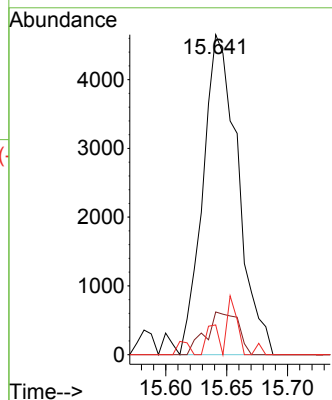
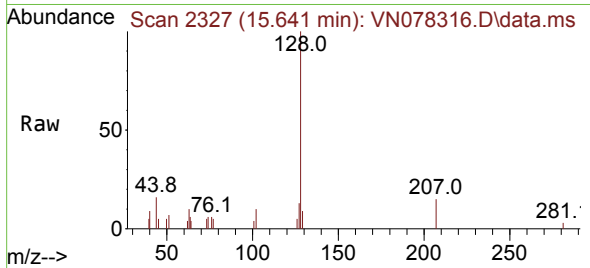




#95
Naphthalene
Concen: 1.096 ug/l
RT: 15.641 min Scan# 2328
Delta R.T. -0.006 min
Lab File: VN078316.D
Acq: 21 Jun 2023 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBL01

Tgt Ion:128 Resp: 9279
Ion Ratio Lower Upper
128 100
127 12.2 10.0 15.0
129 8.4 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.977 ug/l
RT: 15.853 min Scan# 2363
Delta R.T. 0.006 min
Lab File: VN078316.D
Acq: 21 Jun 2023 12:35

Tgt Ion:180 Resp: 2751
Ion Ratio Lower Upper
180 100
182 126.0 46.2 138.6
145 49.2 17.5 52.6

