

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060923\
 Data File : VN078150.D
 Acq On : 09 Jun 2023 16:58
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 09 23:11:35 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	8.235	168	354642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	646707	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	568511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	171997	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	246029	52.032	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.060%	
35) Dibromofluoromethane	8.177	113	214193	52.382	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.760%	
50) Toluene-d8	10.570	98	794774	50.418	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.840%	
62) 4-Bromofluorobenzene	12.853	95	228249	46.576	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.160%	

Target Compounds			Qvalue			
3) Chloromethane	2.371	50	1799	Below Cal	#	79
5) Bromomethane	2.971	94	2060	0.519	ug/l	99
11) Tert butyl alcohol	5.500	59	295	0.452	ug/l #	72
13) Acrolein	4.218	56	714	0.992	ug/l	99
15) Acrylonitrile	5.718	53	610	0.362	ug/l #	78
16) Acetone	4.447	43	884	0.650	ug/l	94
17) Carbon Disulfide	4.724	76	7024	0.705	ug/l #	72
18) Methyl Acetate	5.036	43	15540	2.480	ug/l	89
20) Methylene Chloride	5.288	84	2046	0.455	ug/l #	68
21) trans-1,2-Dichloroethene	5.806	96	1450	0.347	ug/l #	72
23) Vinyl Acetate	6.630	43	1725	0.261	ug/l #	75
25) 2-Butanone	7.494	43	842	0.402	ug/l #	72
29) Tetrahydrofuran	7.859	42	417	0.298	ug/l #	38
31) Cyclohexane	8.241	56	8604	1.419	ug/l #	52
38) Carbon Tetrachloride	8.235	117	40717	6.575	ug/l #	14
39) Methylcyclohexane	9.612	83	2456	0.404	ug/l #	71
44) Trichloroethene	9.359	130	1492	0.323	ug/l	38
46) Dibromomethane	9.723	93	823	0.256	ug/l #	72
49) 1,4-Dioxane	9.718	88	148	1.915	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	2841	0.616	ug/l #	78
59) 2-Hexanone	11.200	43	4331	1.348	ug/l	78
65) Chlorobenzene	11.900	112	2831	0.233	ug/l #	87
70) Styrene	12.417	104	2879	0.233	ug/l	87
73) Isopropylbenzene	12.706	105	3629	0.223	ug/l	89
74) N-amyl acetate	12.506	43	2076	0.388	ug/l #	73
75) 1,1,2,2-Tetrachloroethane	12.935	83	1170	Below Cal	#	94
76) 1,2,3-Trichloropropane	12.859	75	121713	29.934	ug/l #	1
77) Bromobenzene	12.994	156	2063	0.546	ug/l	77
78) n-propylbenzene	13.047	91	7075	0.400	ug/l	95
79) 2-Chlorotoluene	13.129	91	3930	0.345	ug/l	99
80) 1,3,5-Trimethylbenzene	13.182	105	3450	0.262	ug/l	87
81) trans-1,4-Dichloro-2-b...	12.859	75	121713	91.966	ug/l #	15
82) 4-Chlorotoluene	13.229	91	5204	0.489	ug/l	82
83) tert-Butylbenzene	13.447	119	3285	0.287	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	3977	0.312	ug/l	72
85) sec-Butylbenzene	13.629	105	7142	0.477	ug/l	98

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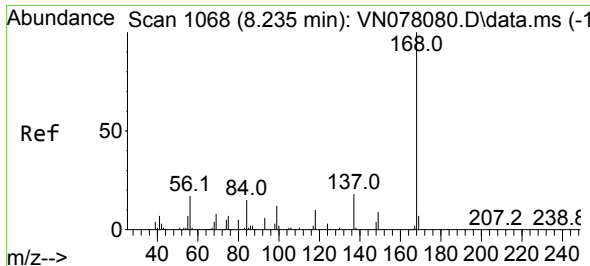
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 09 23:11:35 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)

86) p-Isopropyltoluene	13.735	119	5784	0.476	ug/l	90
87) 1,3-Dichlorobenzene	13.747	146	3973	0.622	ug/l	90
88) 1,4-Dichlorobenzene	13.747	146	3973	0.645	ug/l	88
89) n-Butylbenzene	14.064	91	7963	0.830	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	3434	0.550	ug/l	85
92) 1,2-Dibromo-3-Chloropr...	14.723	75	525	0.652	ug/l	84
93) 1,2,4-Trichlorobenzene	15.400	180	4021	1.808	ug/l	88
94) Hexachlorobutadiene	15.511	225	2658	Below Cal		86
95) Naphthalene	15.641	128	17892	2.392	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.852	180	5886	2.366	ug/l	98

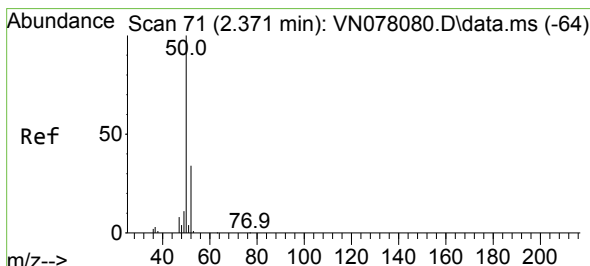
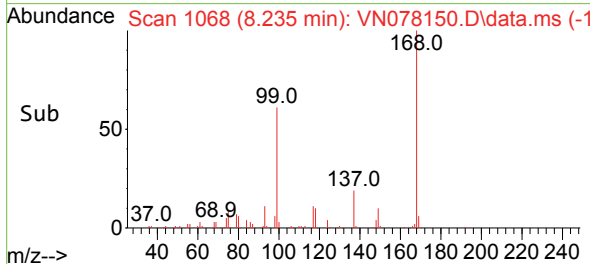
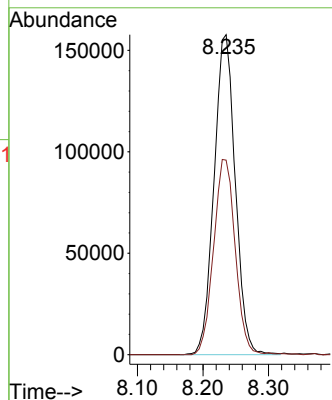
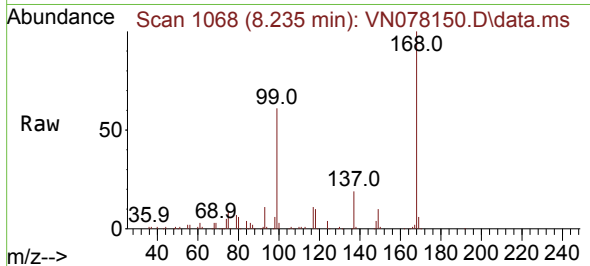
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

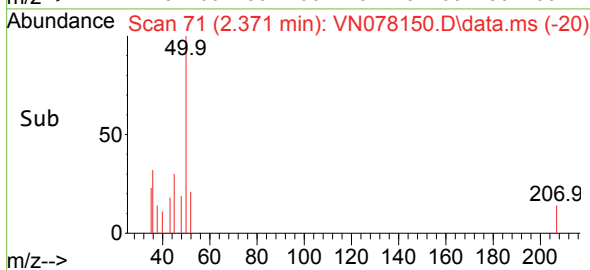
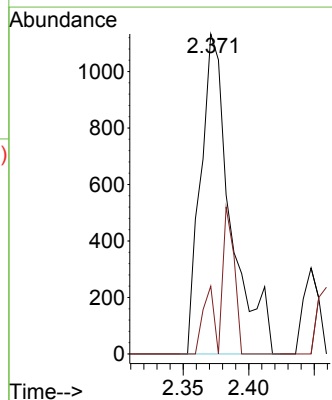
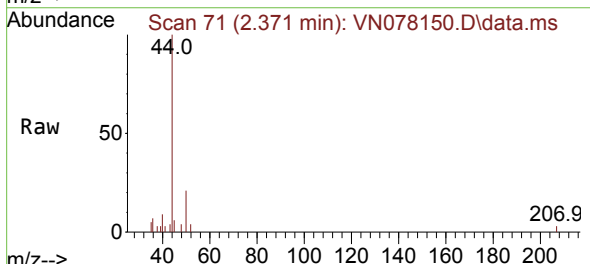
Instrument :
MSVOA_N
ClientSampleId :
IBLK

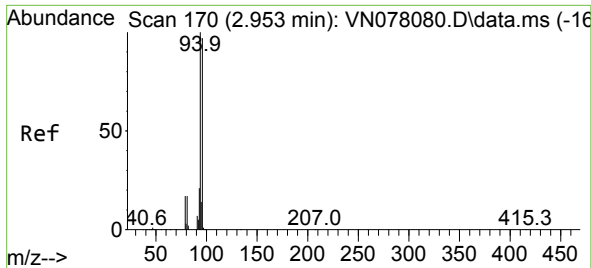
Tgt Ion:168 Resp: 354642
Ion Ratio Lower Upper
168 100
99 60.8 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

Tgt Ion: 50 Resp: 1799
Ion Ratio Lower Upper
50 100
52 21.2 26.5 39.7#

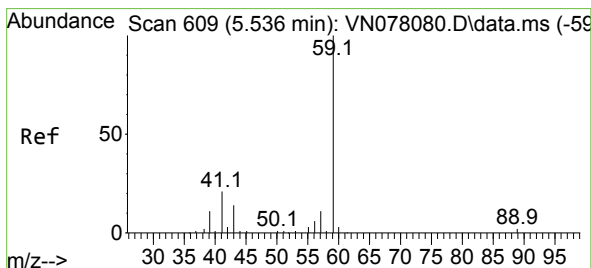
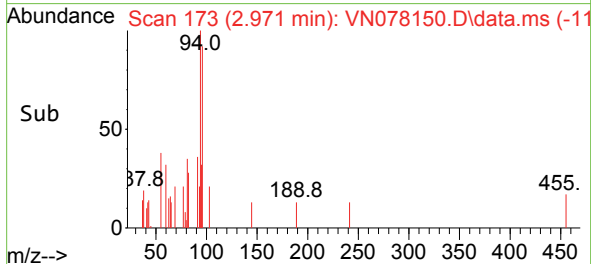
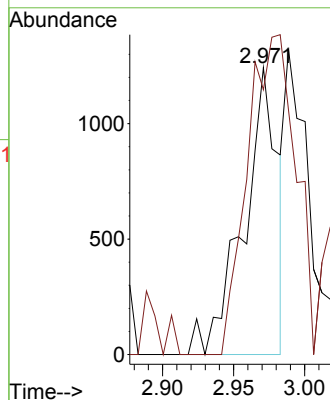
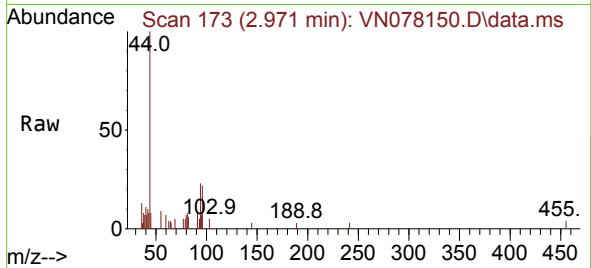




#5
Bromomethane
Concen: 0.519 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

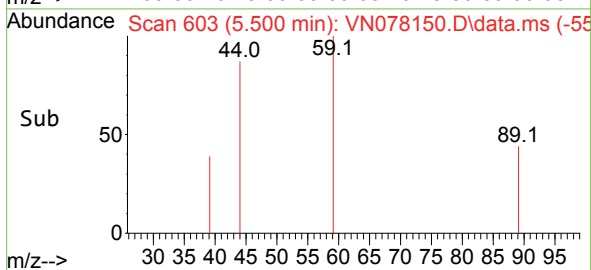
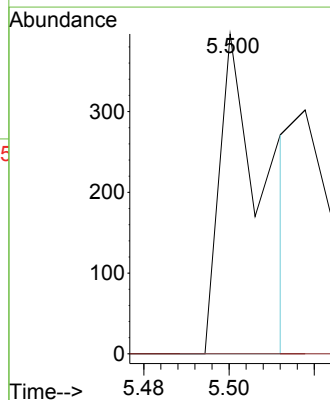
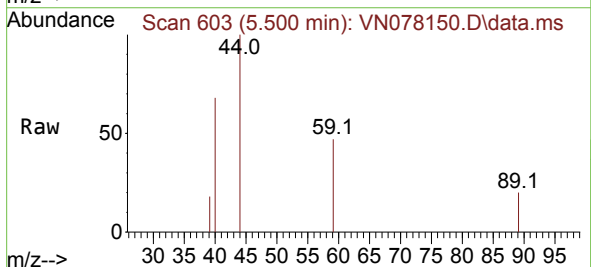
Instrument :
MSVOA_N
ClientSampleId :
IBLK

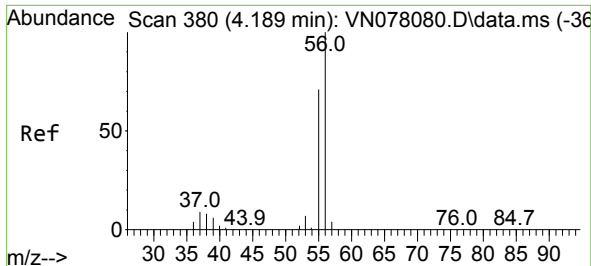
Tgt Ion: 94 Resp: 2060
Ion Ratio Lower Upper
94 100
96 92.4 73.1 109.7



#11
Tert butyl alcohol
Concen: 0.452 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.035 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

Tgt Ion: 59 Resp: 295
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 0.992 ug/l

RT: 4.218 min Scan# 380

Delta R.T. 0.029 min

Lab File: VN078150.D

Acq: 09 Jun 2023 16:58

Instrument :

MSVOA_N

ClientSampleId :

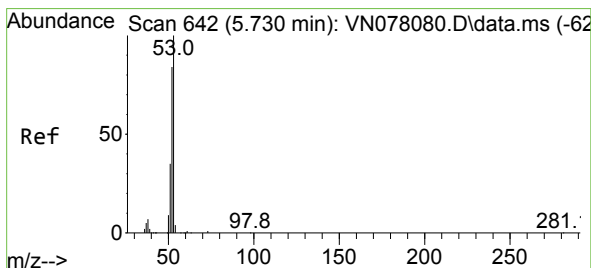
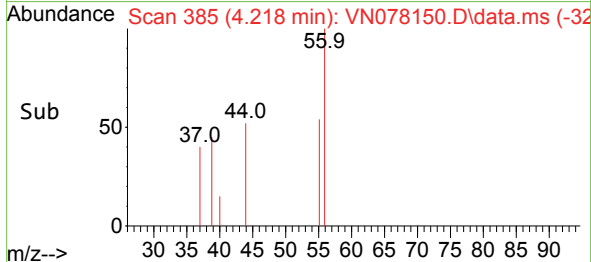
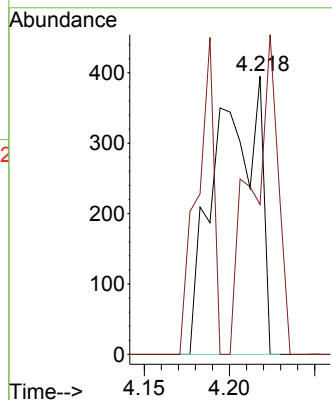
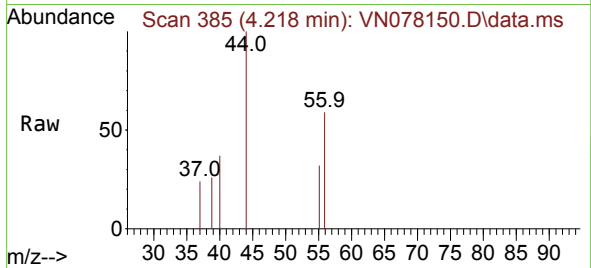
IBLK

Tgt Ion: 56 Resp: 714

Ion Ratio Lower Upper

56 100

55 67.6 54.5 81.7



#15

Acrylonitrile

Concen: 0.362 ug/l

RT: 5.718 min Scan# 640

Delta R.T. -0.012 min

Lab File: VN078150.D

Acq: 09 Jun 2023 16:58

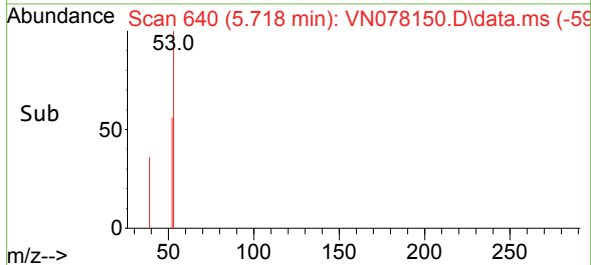
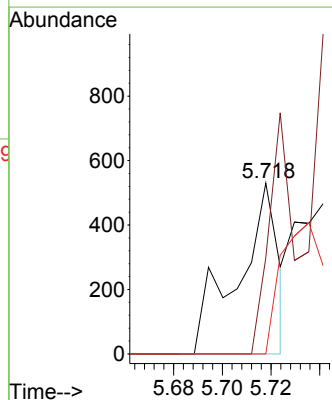
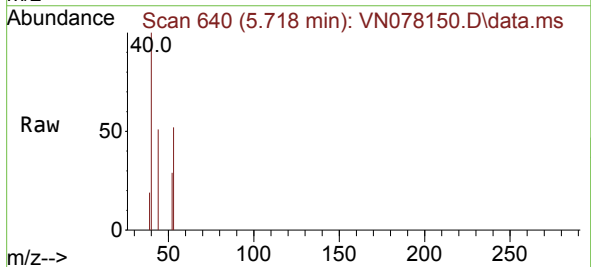
Tgt Ion: 53 Resp: 610

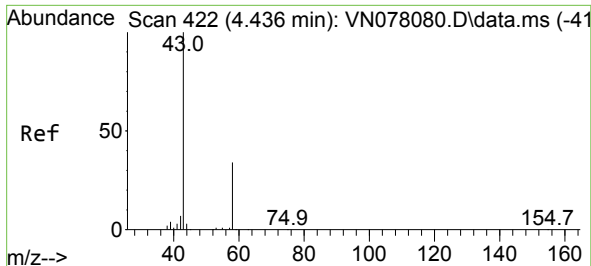
Ion Ratio Lower Upper

53 100

52 77.4 65.3 97.9

51 0.0 28.9 43.3#

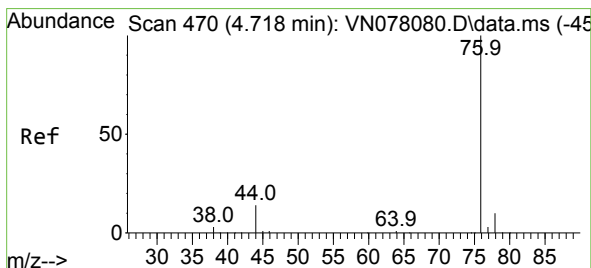
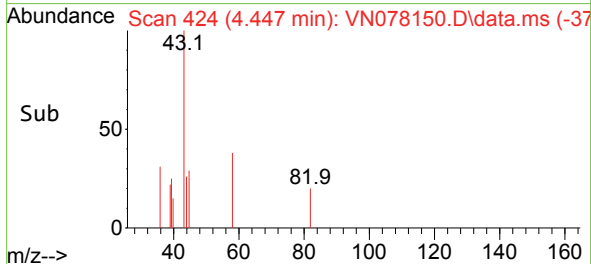
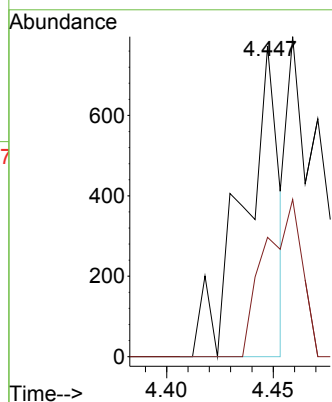
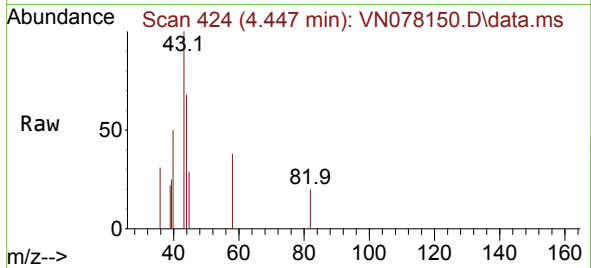




#16
Acetone
Concen: 0.650 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

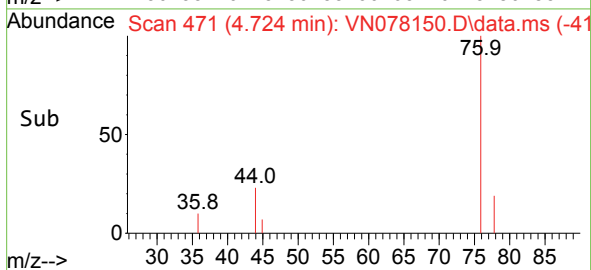
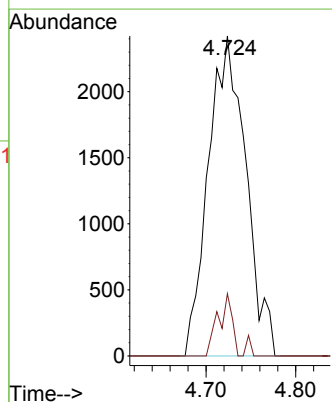
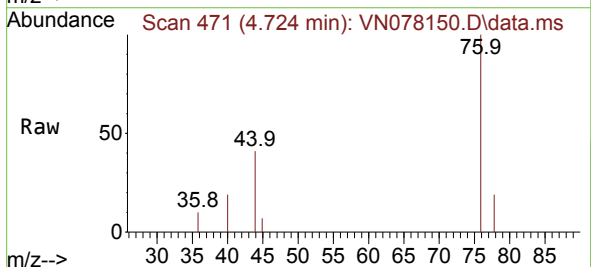
Instrument :
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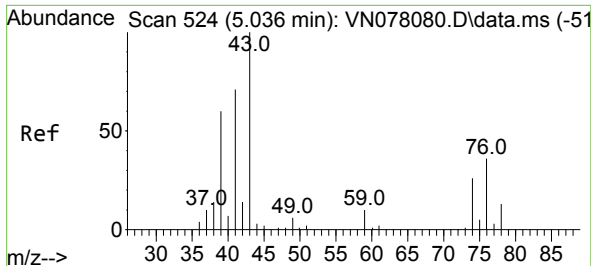
Tgt Ion: 43 Resp: 884
Ion Ratio Lower Upper
43 100
58 38.5 28.0 42.0



#17
Carbon Disulfide
Concen: 0.705 ug/l
RT: 4.724 min Scan# 471
Delta R.T. 0.006 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

Tgt Ion: 76 Resp: 7024
Ion Ratio Lower Upper
76 100
78 19.4 7.4 11.0#

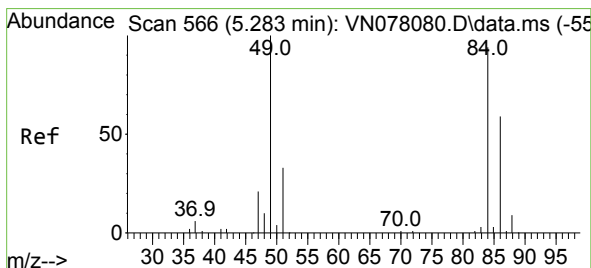
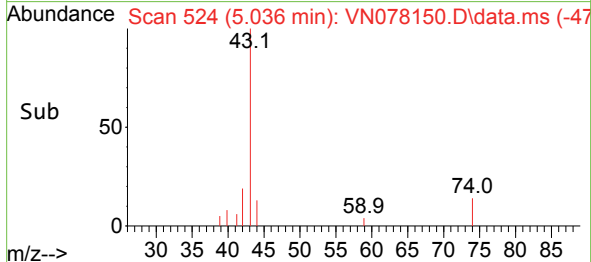
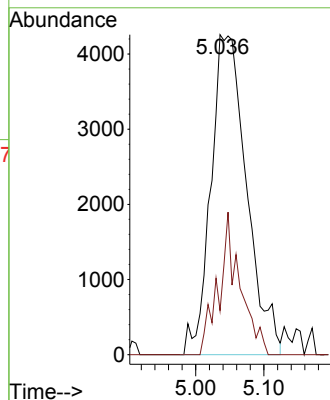
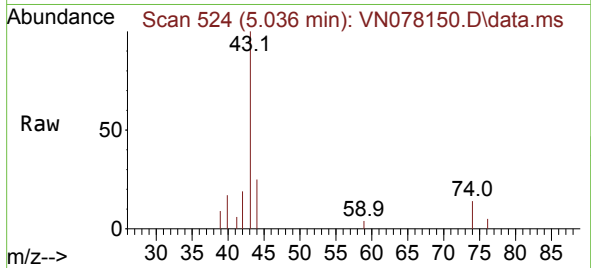




#18
Methyl Acetate
Concen: 2.480 ug/l
RT: 5.036 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

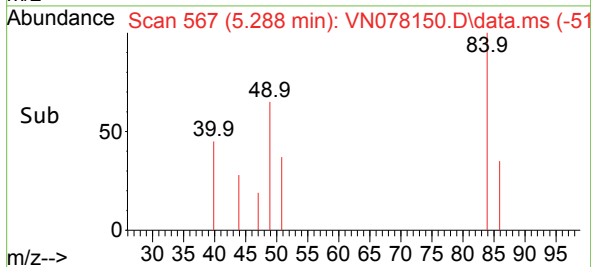
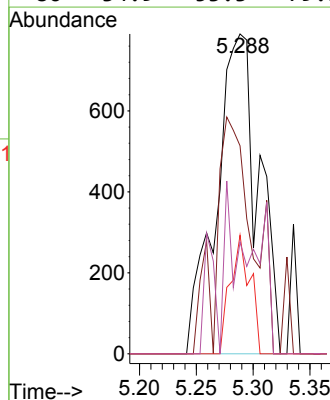
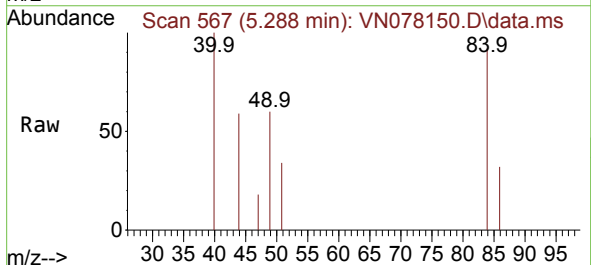
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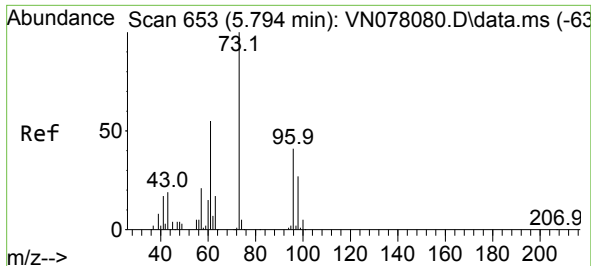
Tgt Ion: 43 Resp: 15540
Ion Ratio Lower Upper
43 100
74 26.8 26.2 39.4



#20
Methylene Chloride
Concen: 0.455 ug/l
RT: 5.288 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

Tgt Ion: 84 Resp: 2046
Ion Ratio Lower Upper
84 100
49 65.1 79.7 119.5#
51 37.1 25.2 37.8
86 34.9 53.3 79.9#

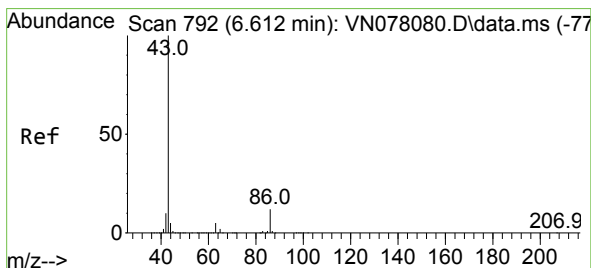
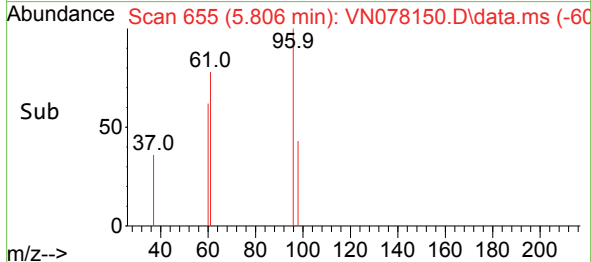
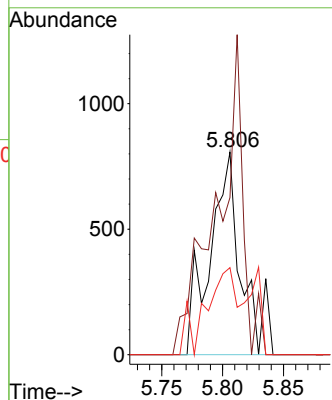
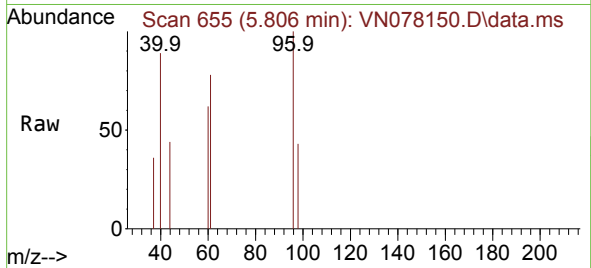




#21
trans-1,2-Dichloroethene
Concen: 0.347 ug/l
RT: 5.806 min Scan# 611
Delta R.T. 0.012 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

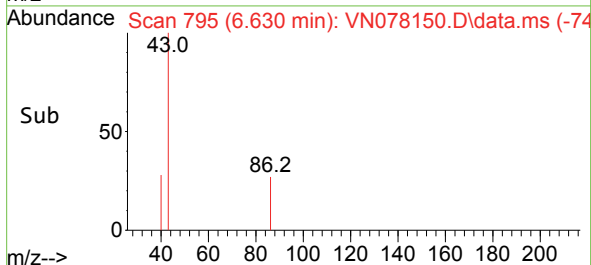
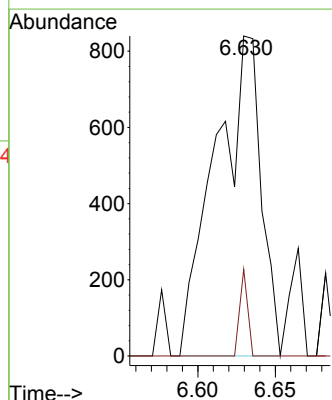
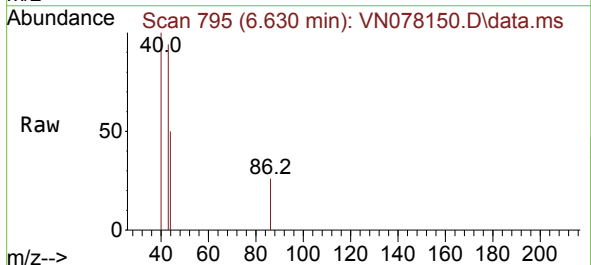
Instrument :
MSVOA_N
ClientSampleId :
IBLK

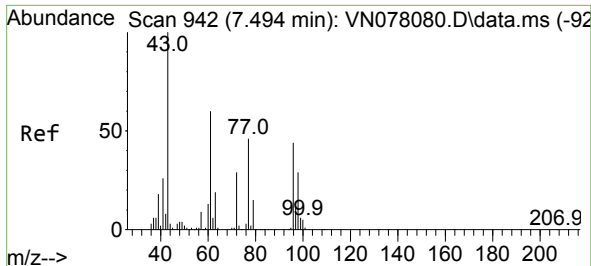
Tgt Ion: 96 Resp: 1450
Ion Ratio Lower Upper
96 100
61 77.6 90.1 135.1#
98 43.0 46.4 69.6#



#23
Vinyl Acetate
Concen: 0.261 ug/l
RT: 6.630 min Scan# 795
Delta R.T. 0.018 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

Tgt Ion: 43 Resp: 1725
Ion Ratio Lower Upper
43 100
86 27.1 13.0 19.6#

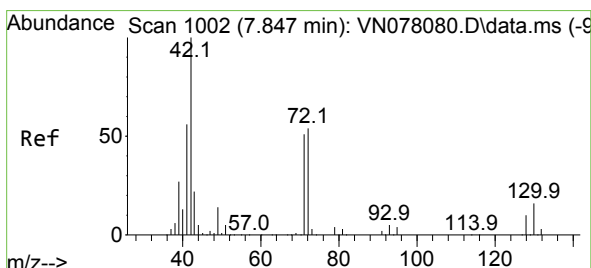
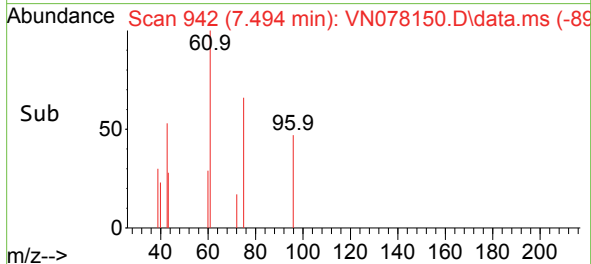
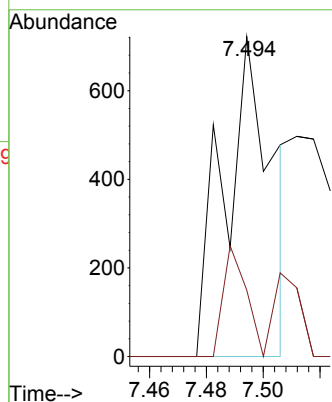
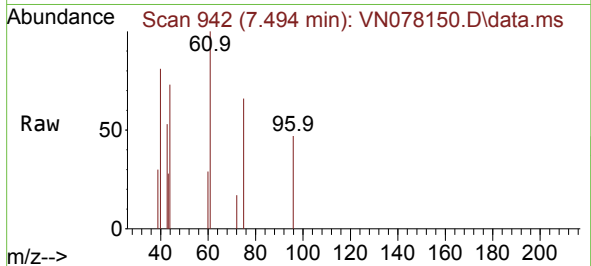




#25
2-Butanone
Concen: 0.402 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

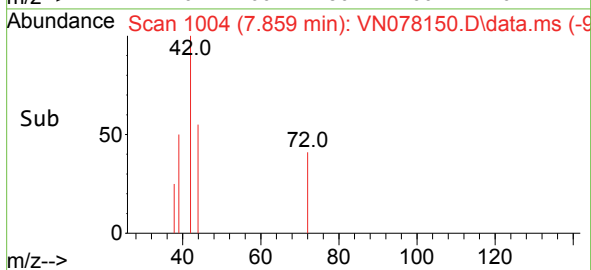
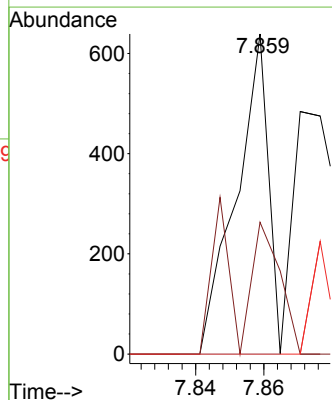
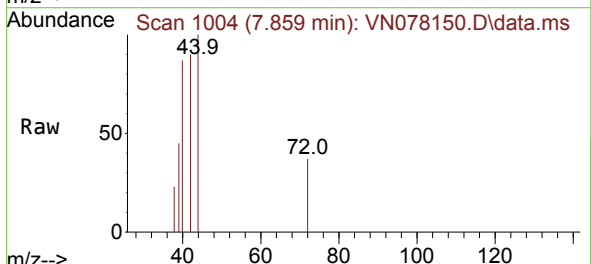
Instrument :
MSVOA_N
ClientSampleId :
IBLK

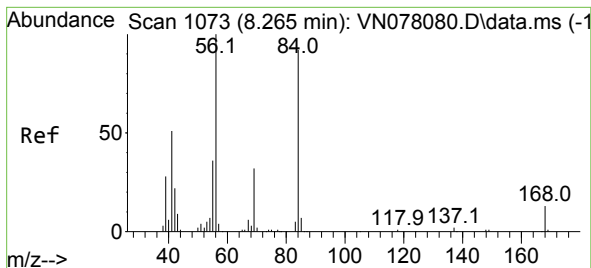
Tgt Ion: 43 Resp: 842
Ion Ratio Lower Upper
43 100
72 20.8 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.298 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.012 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

Tgt Ion: 42 Resp: 417
Ion Ratio Lower Upper
42 100
72 26.4 49.8 74.6#
71 0.0 47.4 71.2#





#31

Cyclohexane

Concen: 1.419 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. -0.024 min

Lab File: VN078150.D

Acq: 09 Jun 2023 16:58

Instrument :

MSVOA_N

ClientSampleId :

IBLK

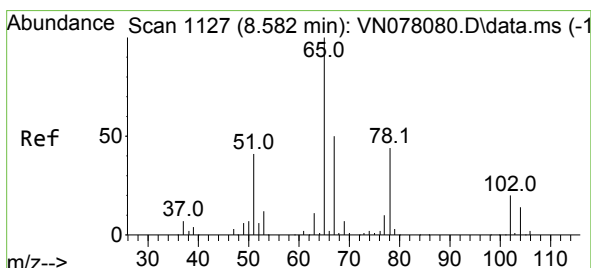
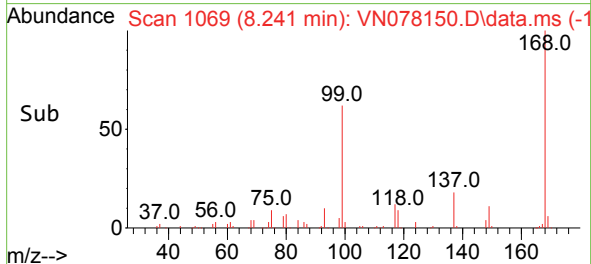
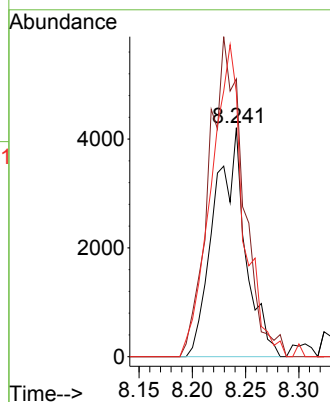
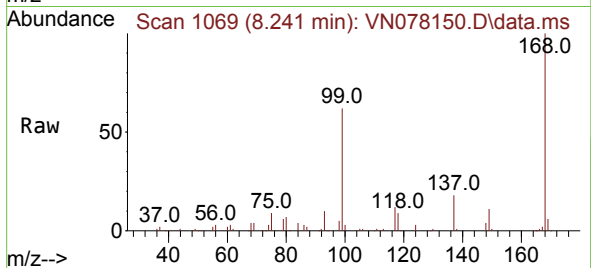
Tgt Ion: 56 Resp: 8604

Ion Ratio Lower Upper

56 100

69 121.3 26.8 40.2#

84 115.3 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 52.032 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078150.D

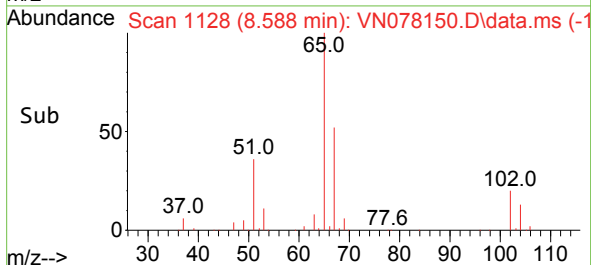
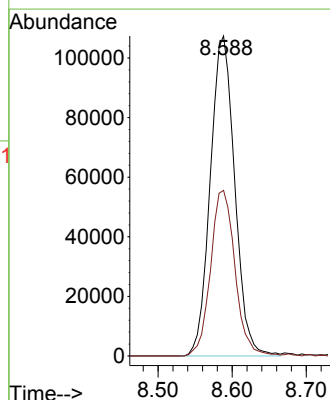
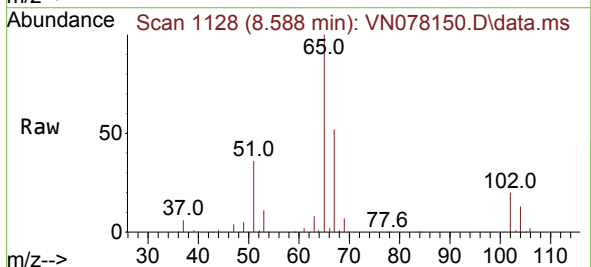
Acq: 09 Jun 2023 16:58

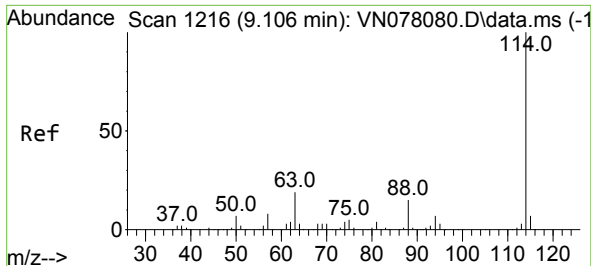
Tgt Ion: 65 Resp: 246029

Ion Ratio Lower Upper

65 100

67 51.7 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: VN078150.D

Acq: 09 Jun 2023 16:58

Instrument :

MSVOA_N

ClientSampleId :

IBLK

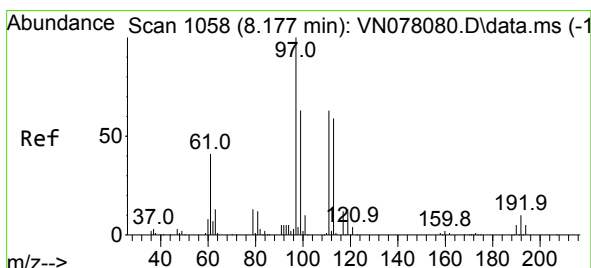
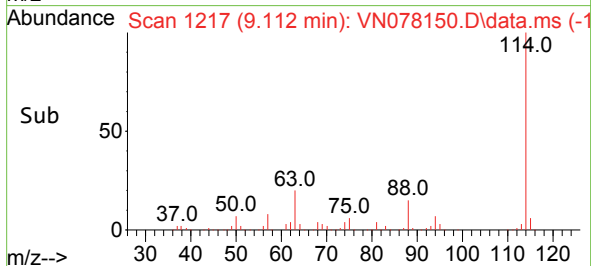
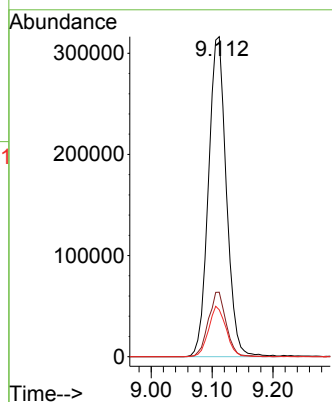
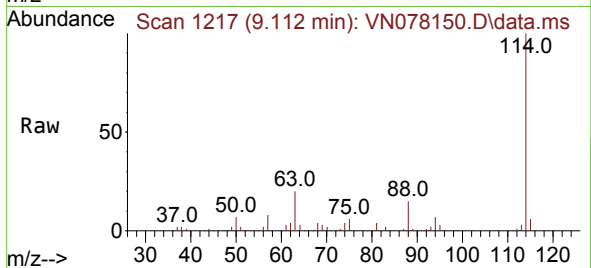
Tgt Ion:114 Resp: 646707

Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.4

88 14.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.382 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078150.D

Acq: 09 Jun 2023 16:58

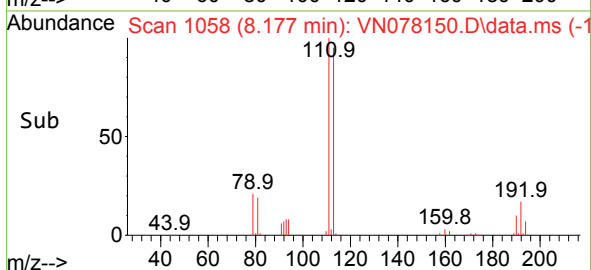
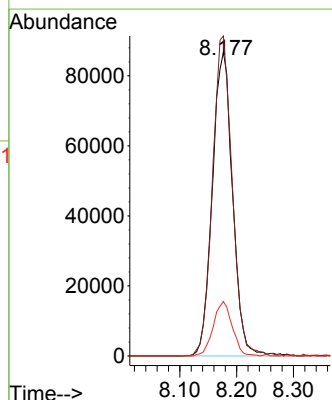
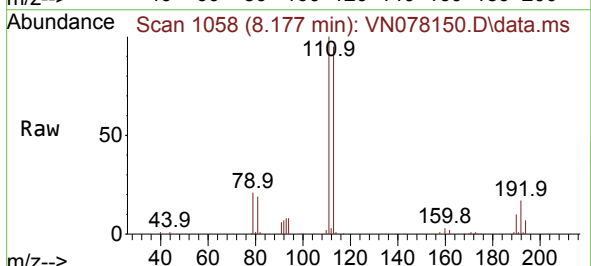
Tgt Ion:113 Resp: 214193

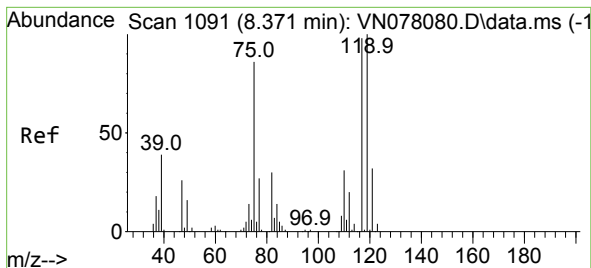
Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

192 16.8 12.7 19.1





#38

Carbon Tetrachloride

Concen: 6.575 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN078150.D

Acq: 09 Jun 2023 16:58

Instrument :

MSVOA_N

ClientSampleId :

IBLK

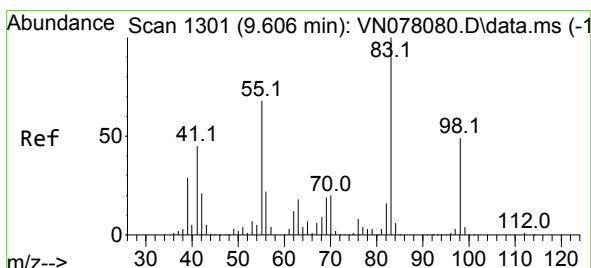
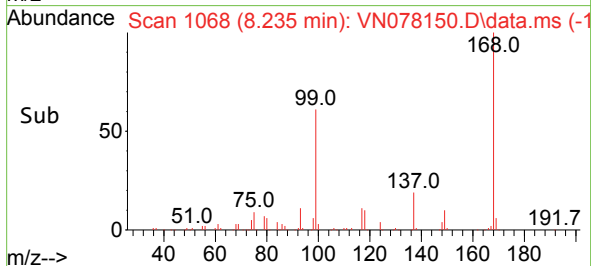
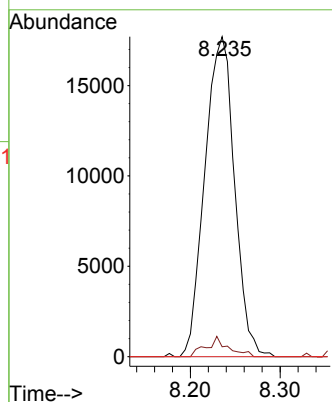
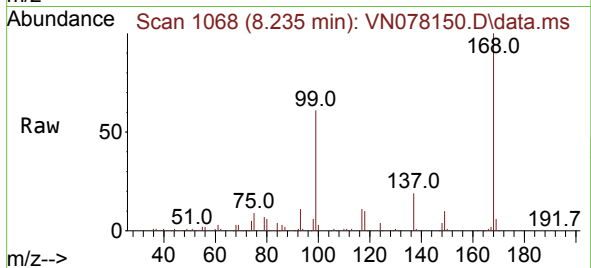
Tgt Ion:117 Resp: 40717

Ion Ratio Lower Upper

117 100

119 3.1 77.3 115.9#

121 0.0 23.3 34.9#



#39

Methylcyclohexane

Concen: 0.404 ug/l

RT: 9.612 min Scan# 1302

Delta R.T. 0.006 min

Lab File: VN078150.D

Acq: 09 Jun 2023 16:58

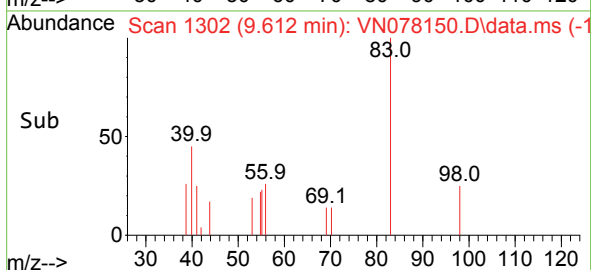
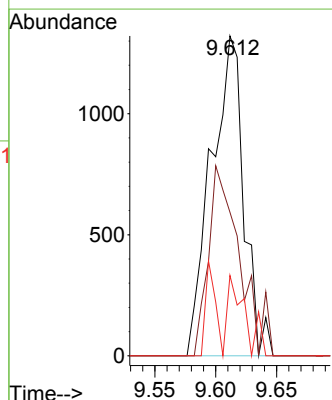
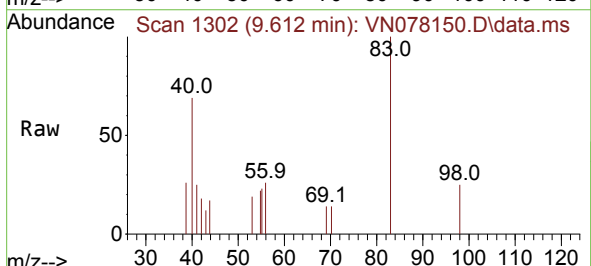
Tgt Ion: 83 Resp: 2456

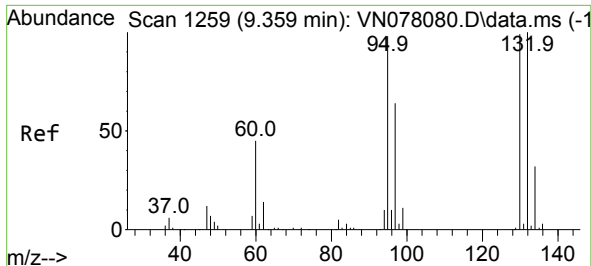
Ion Ratio Lower Upper

83 100

55 44.9 49.1 73.7#

98 25.1 40.6 61.0#

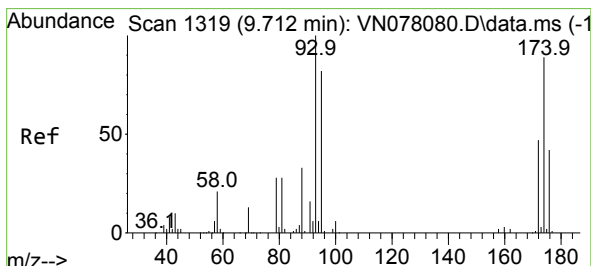
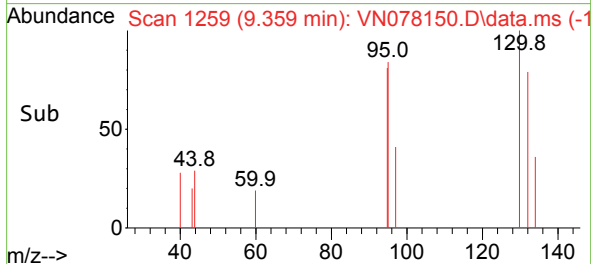
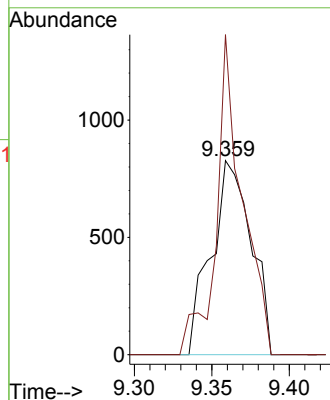
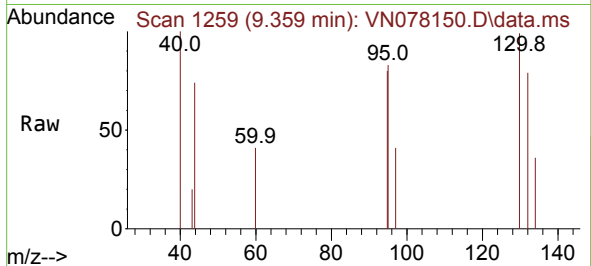




#44
Trichloroethene
Concen: 0.323 ug/l
RT: 9.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

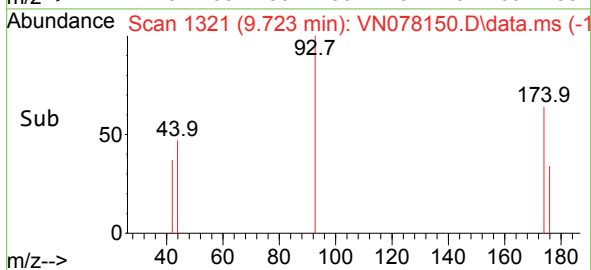
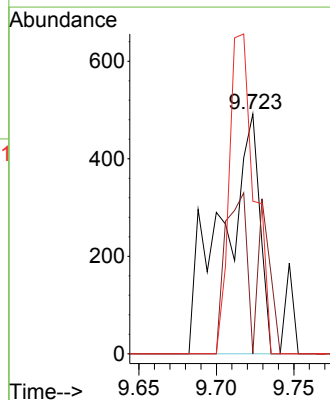
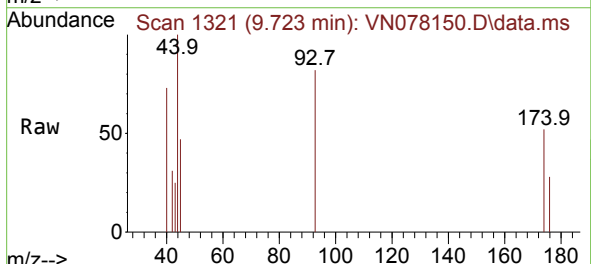
Instrument :
MSVOA_N
ClientSampleId :
IBLK

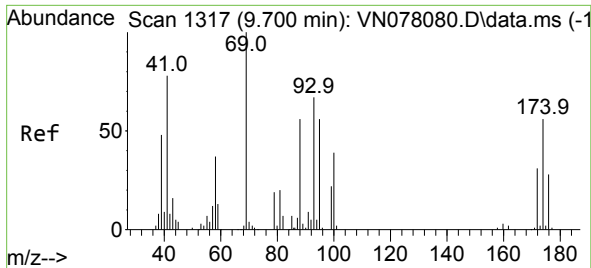
Tgt Ion:130 Resp: 1492
Ion Ratio Lower Upper
130 100
95 164.9 0.0 204.6



#46
Dibromomethane
Concen: 0.256 ug/l
RT: 9.723 min Scan# 1321
Delta R.T. 0.012 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

Tgt Ion: 93 Resp: 823
Ion Ratio Lower Upper
93 100
95 38.4 63.8 95.8#
174 90.3 65.6 98.4

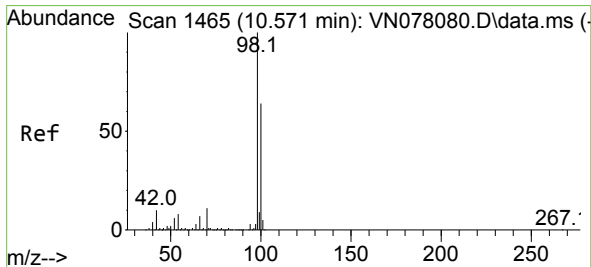
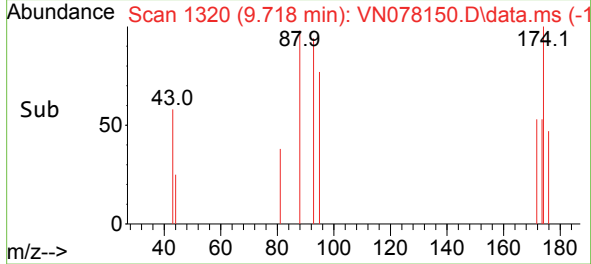
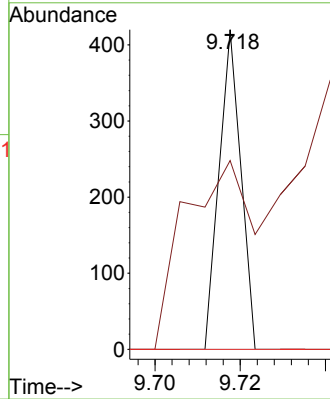
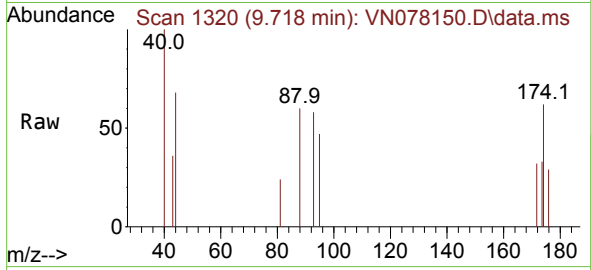




#49
1,4-Dioxane
Concen: 1.915 ug/l
RT: 9.718 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

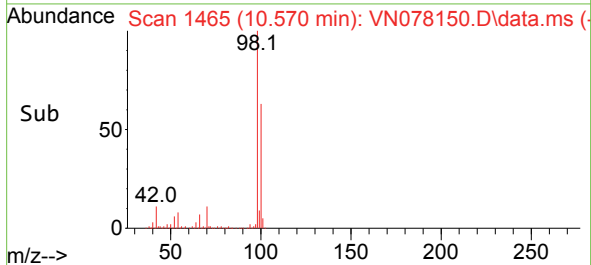
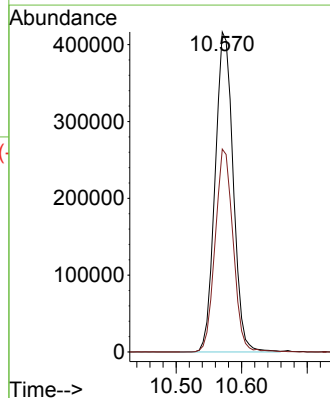
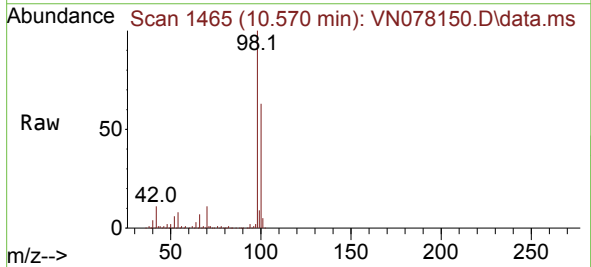
Instrument :
MSVOA_N
ClientSampleId :
IBLK

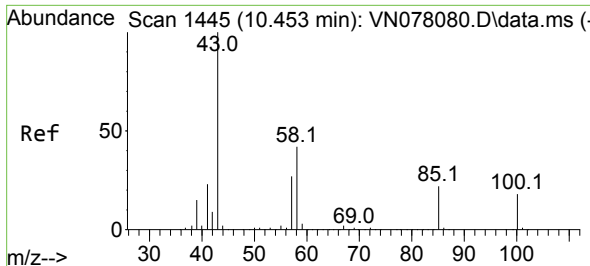
Tgt Ion: 88 Resp: 148
Ion Ratio Lower Upper
88 100
43 185.8 17.0 25.6#
58 0.0 47.0 70.4#



#50
Toluene-d8
Concen: 50.418 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

Tgt Ion: 98 Resp: 794774
Ion Ratio Lower Upper
98 100
100 63.1 52.0 78.0

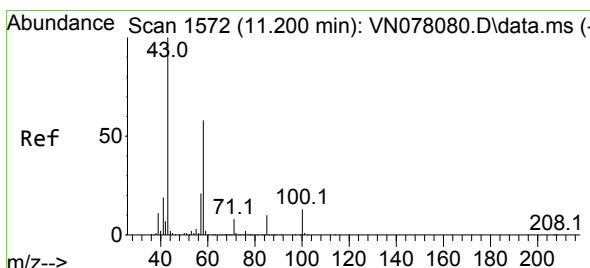
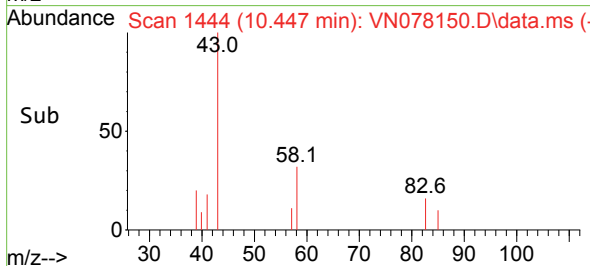
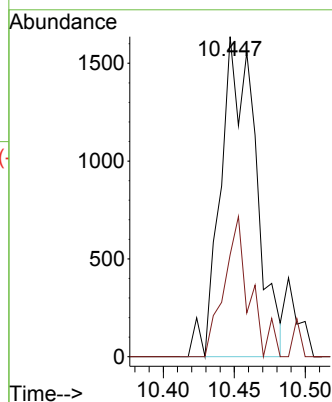
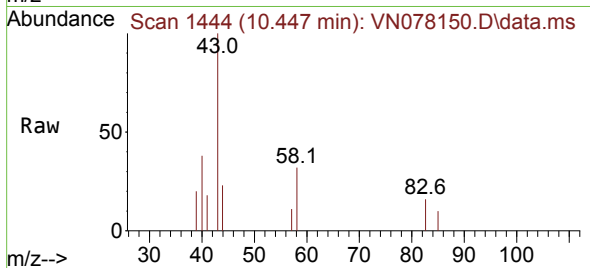




#51
4-Methyl-2-Pentanone
Concen: 0.616 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

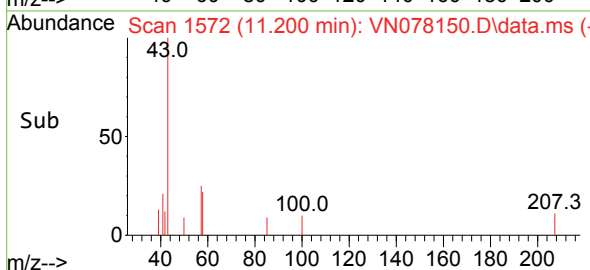
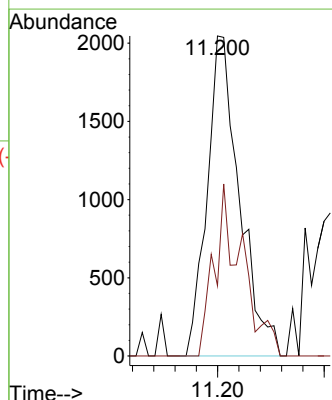
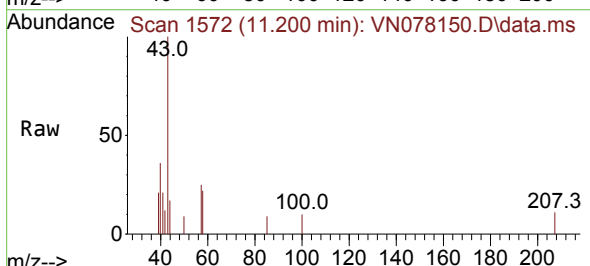
Instrument :
MSVOA_N
ClientSampleId :
IBLK

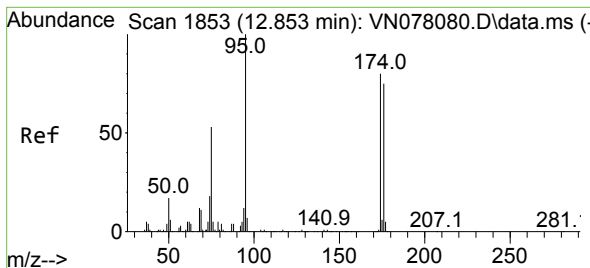
Tgt Ion: 43 Resp: 2841
Ion Ratio Lower Upper
43 100
58 31.2 36.6 54.8#



#59
2-Hexanone
Concen: 1.348 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. -0.000 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

Tgt Ion: 43 Resp: 4331
Ion Ratio Lower Upper
43 100
58 46.2 31.7 95.1

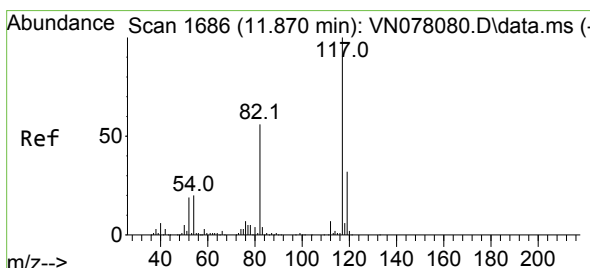
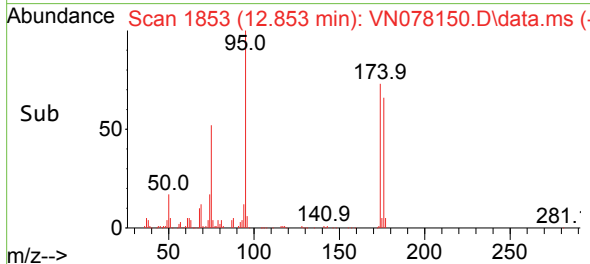
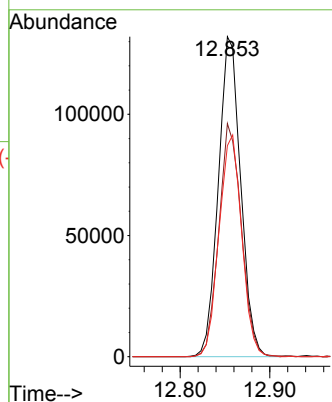
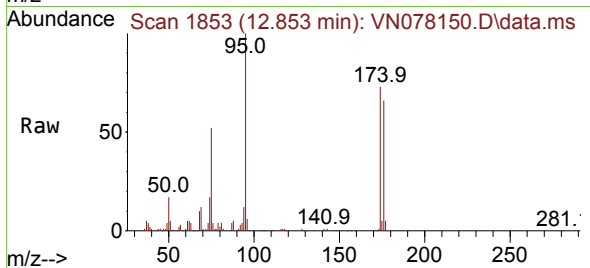




#62
4-Bromofluorobenzene
Concen: 46.576 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

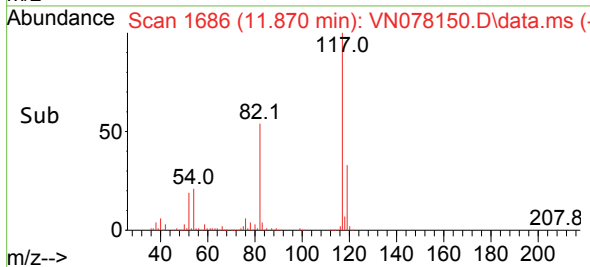
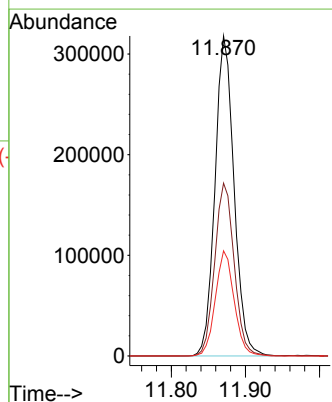
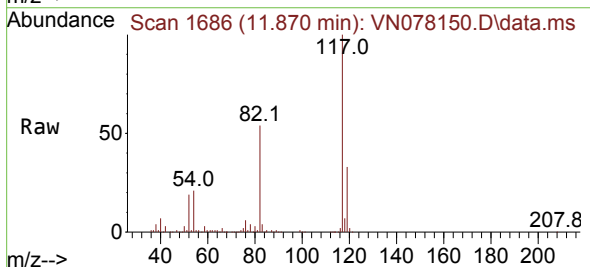
Instrument :
MSVOA_N
ClientSampleId :
IBLK

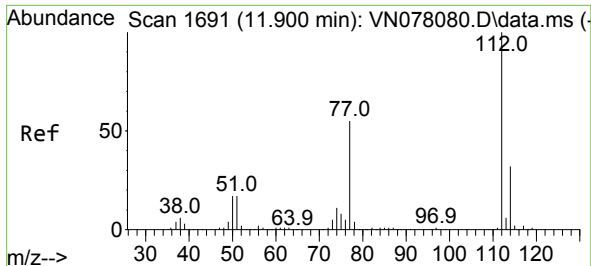
Tgt Ion: 95 Resp: 228249
Ion Ratio Lower Upper
95 100
174 73.8 0.0 143.8
176 70.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

Tgt Ion: 117 Resp: 568511
Ion Ratio Lower Upper
117 100
82 54.0 44.0 66.0
119 32.9 25.6 38.4

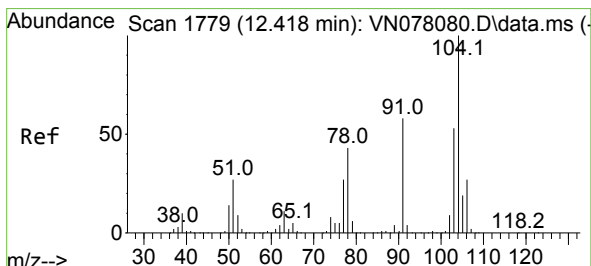
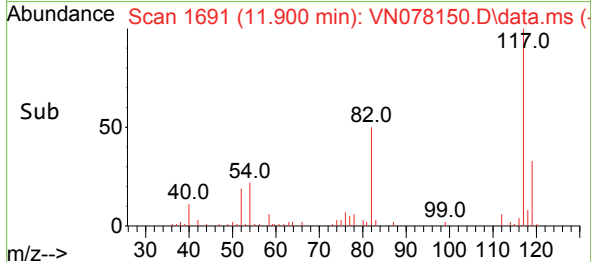
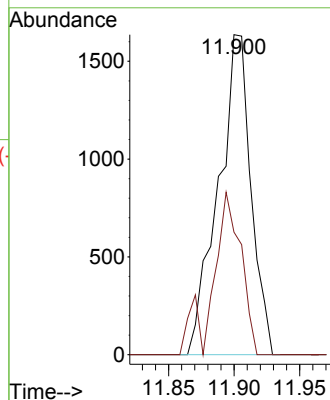
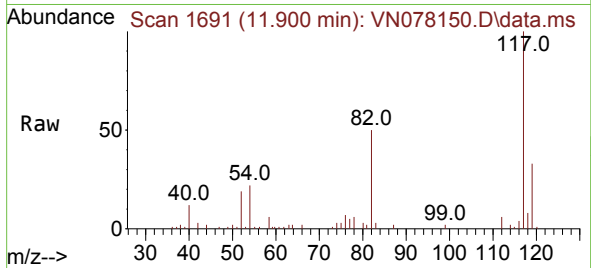




#65
Chlorobenzene
Concen: 0.233 ug/l
RT: 11.900 min Scan# 1691
Delta R.T. -0.000 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

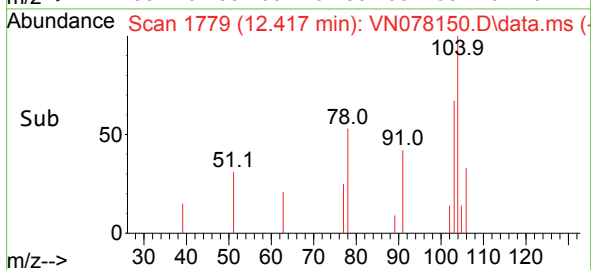
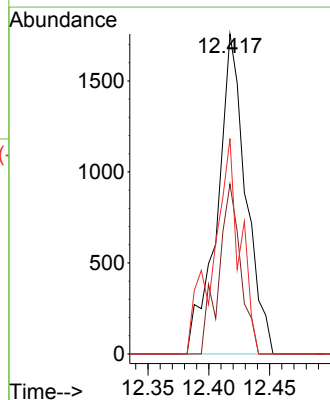
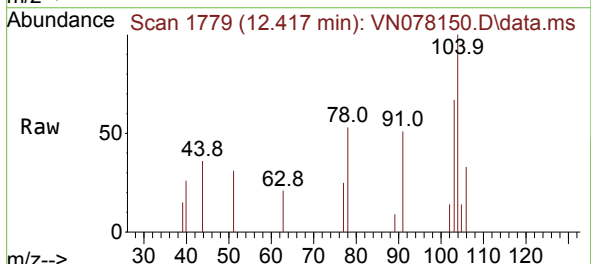
Instrument :
MSVOA_N
ClientSampleId :
IBLK

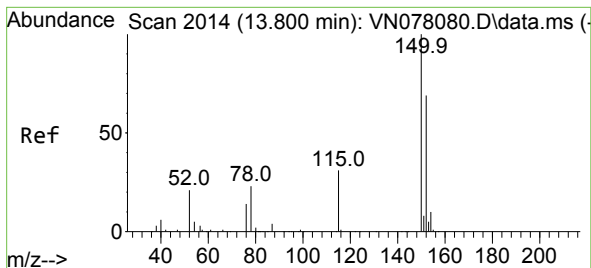
Tgt Ion:112 Resp: 2831
Ion Ratio Lower Upper
112 100
114 38.3 25.0 37.4#



#70
Styrene
Concen: 0.233 ug/l
RT: 12.417 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

Tgt Ion:104 Resp: 2879
Ion Ratio Lower Upper
104 100
78 40.8 39.5 59.3
103 62.9 43.2 64.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078150.D

Acq: 09 Jun 2023 16:58

Instrument :

MSVOA_N

ClientSampleId :

IBLK

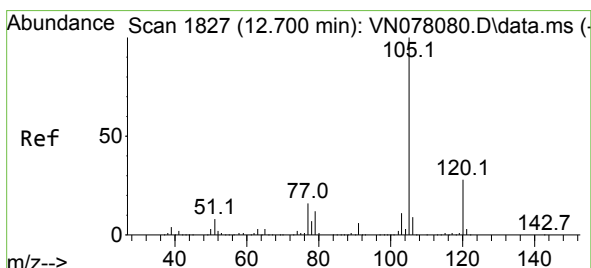
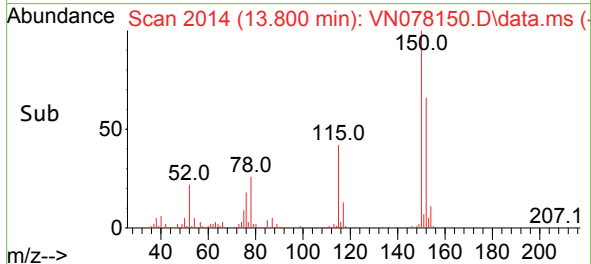
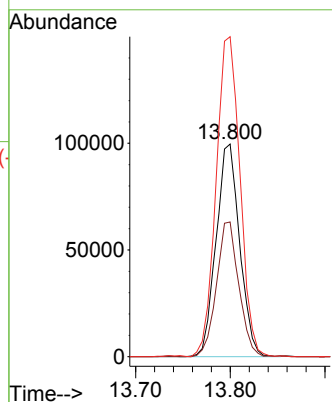
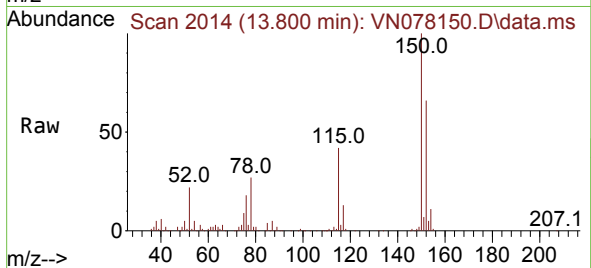
Tgt Ion:152 Resp: 171997

Ion Ratio Lower Upper

152 100

115 60.3 32.3 96.8

150 152.8 0.0 355.8



#73

Isopropylbenzene

Concen: 0.223 ug/l

RT: 12.706 min Scan# 1828

Delta R.T. 0.006 min

Lab File: VN078150.D

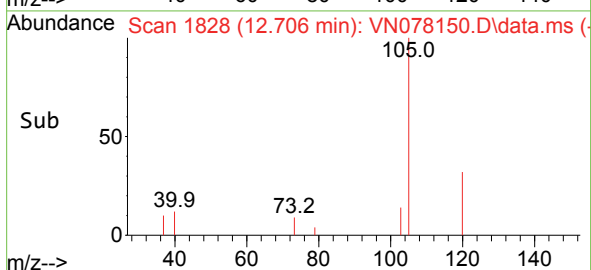
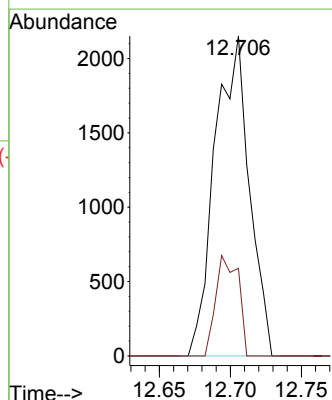
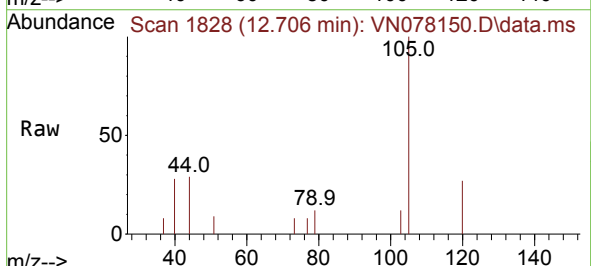
Acq: 09 Jun 2023 16:58

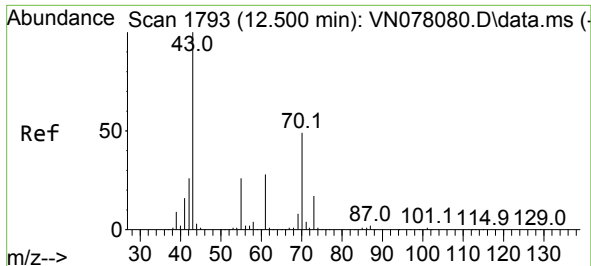
Tgt Ion:105 Resp: 3629

Ion Ratio Lower Upper

105 100

120 20.4 13.1 39.1

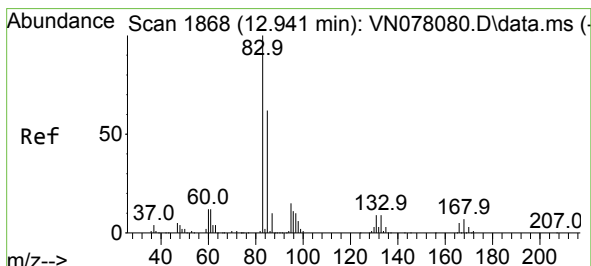
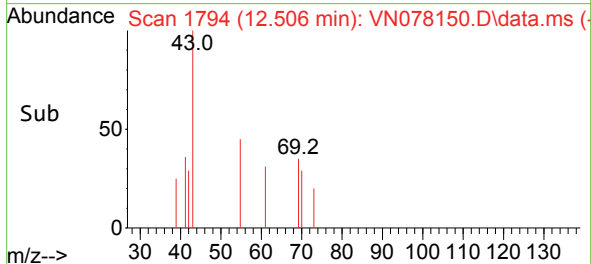
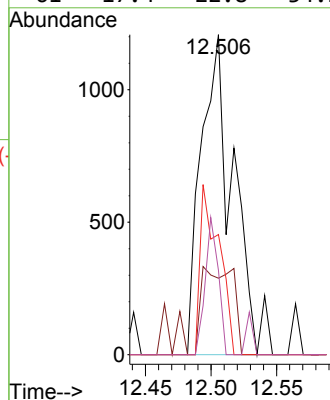
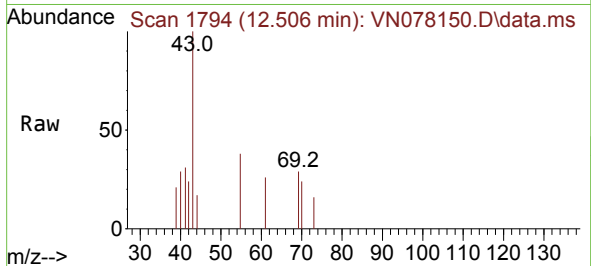




#74
N-amy1 acetate
Concen: 0.388 ug/l
RT: 12.506 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

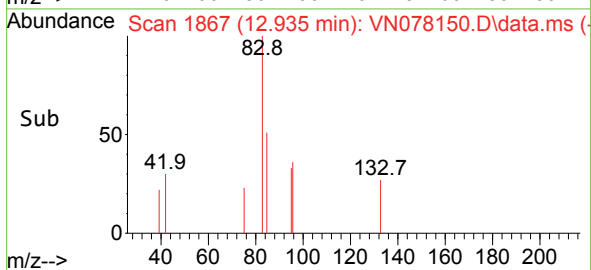
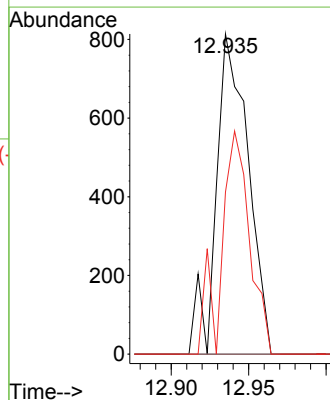
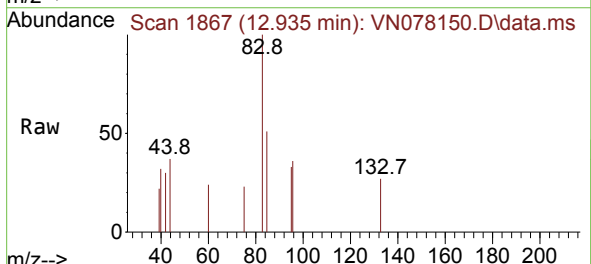
Instrument :
MSVOA_N
ClientSampleId :
IBLK

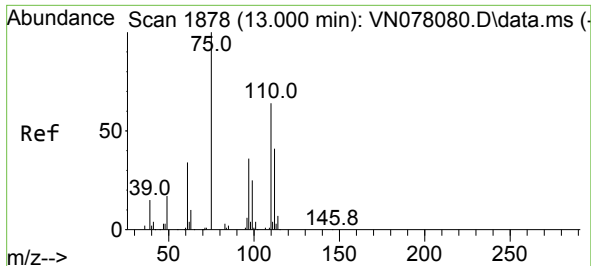
Tgt Ion: 43	Resp: 2076
Ion Ratio	Lower Upper
43 100	
70 26.4	43.4 65.2#
55 30.9	21.4 32.0
61 17.4	22.8 34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.935 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

Tgt Ion: 83	Resp: 1170
Ion Ratio	Lower Upper
83 100	
131 0.0	5.0 15.0#
85 61.7	31.9 95.7

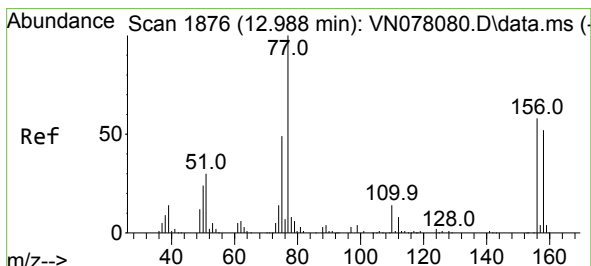
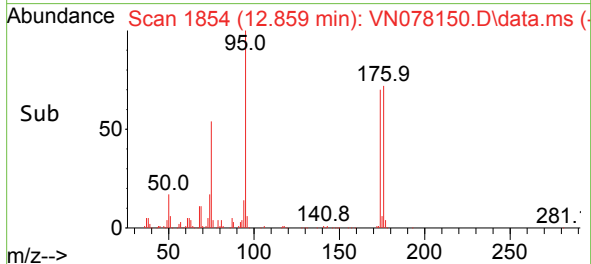
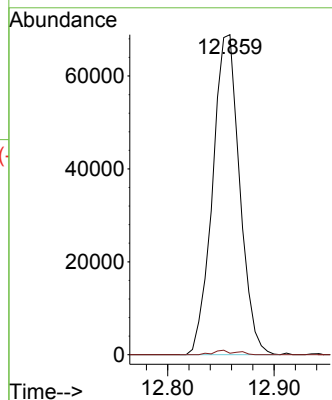
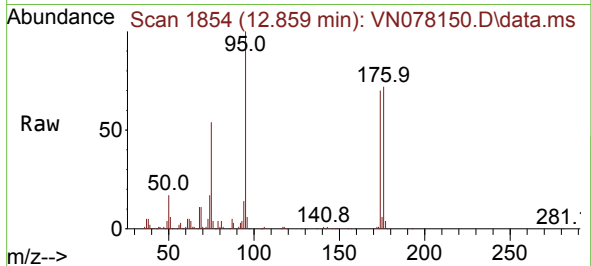




#76
1,2,3-Trichloropropane
Concen: 29.934 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

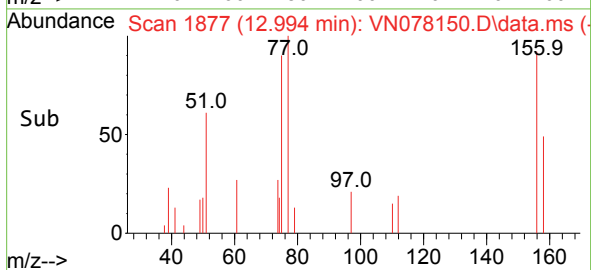
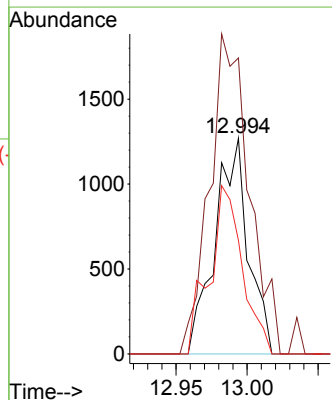
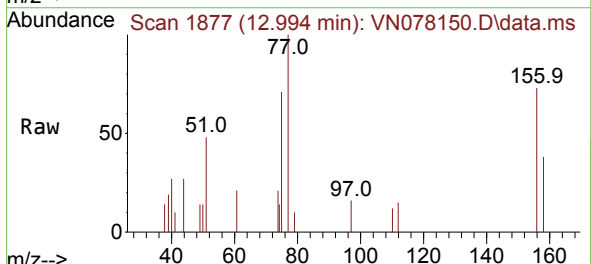
Instrument :
MSVOA_N
ClientSampleId :
IBLK

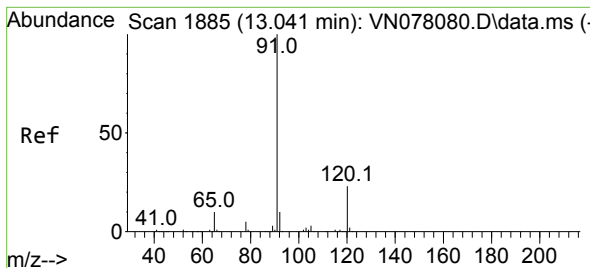
Tgt Ion: 75 Resp: 121713
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#77
Bromobenzene
Concen: 0.546 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

Tgt Ion: 156 Resp: 2063
Ion Ratio Lower Upper
156 100
77 176.7 107.7 323.3
158 77.2 48.4 145.3





#78

n-propylbenzene

Concen: 0.400 ug/l

RT: 13.047 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078150.D

Acq: 09 Jun 2023 16:58

Instrument :

MSVOA_N

ClientSampleId :

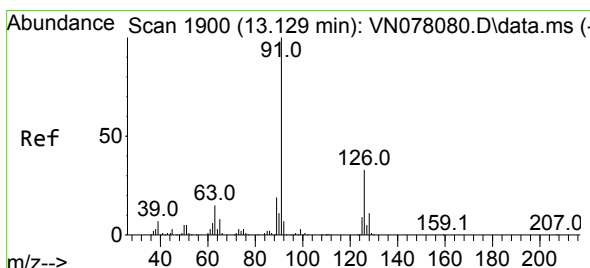
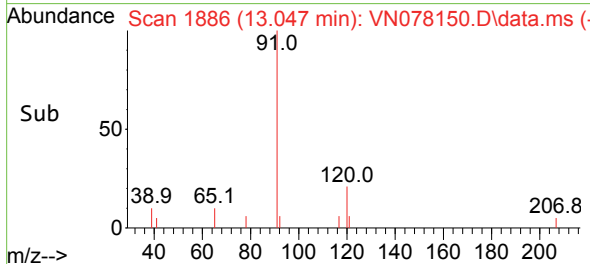
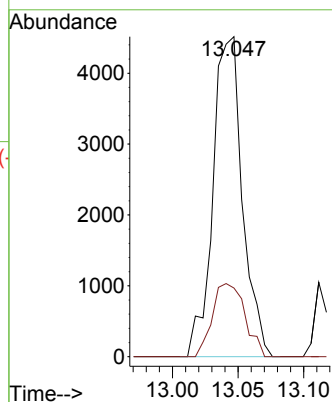
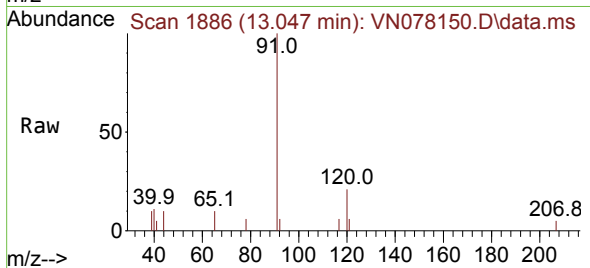
IBLK

Tgt Ion: 91 Resp: 7075

Ion Ratio Lower Upper

91 100

120 25.2 11.5 34.4



#79

2-Chlorotoluene

Concen: 0.345 ug/l

RT: 13.129 min Scan# 1900

Delta R.T. -0.000 min

Lab File: VN078150.D

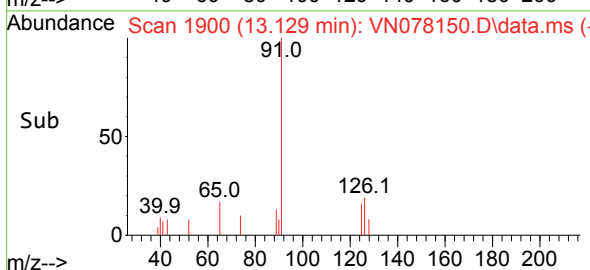
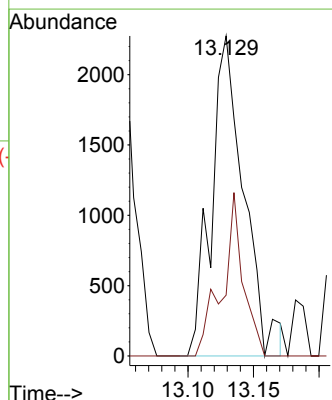
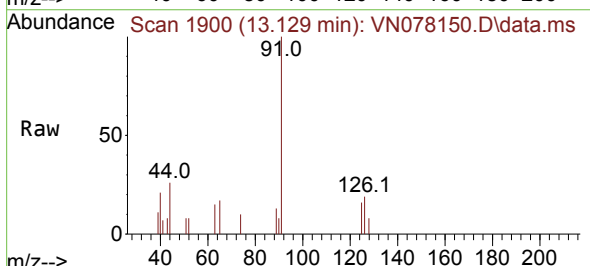
Acq: 09 Jun 2023 16:58

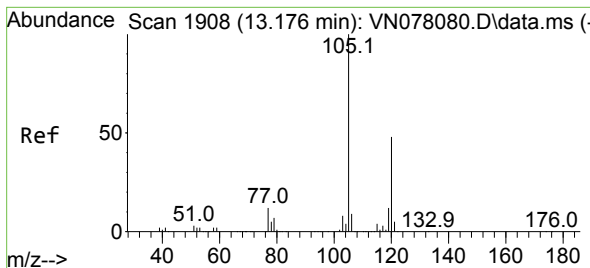
Tgt Ion: 91 Resp: 3930

Ion Ratio Lower Upper

91 100

126 32.8 16.3 48.8





#80

1,3,5-Trimethylbenzene

Concen: 0.262 ug/l

RT: 13.182 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VN078150.D

Acq: 09 Jun 2023 16:58

Instrument :

MSVOA_N

ClientSampleId :

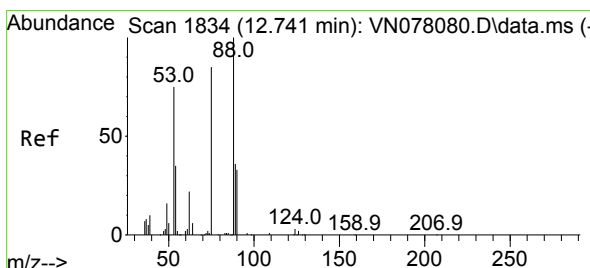
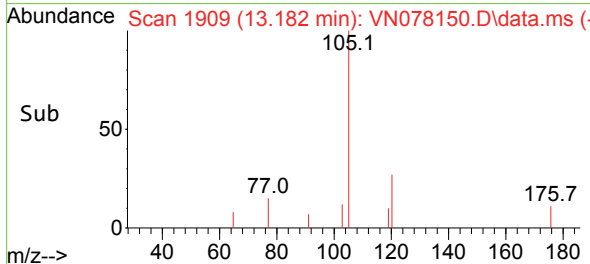
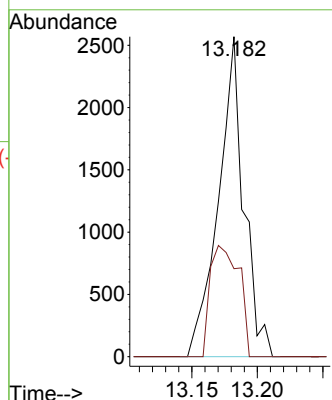
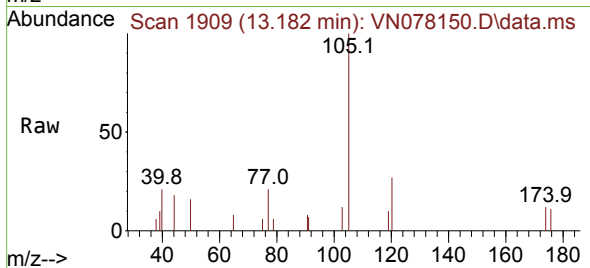
IBLK

Tgt Ion:105 Resp: 3450

Ion Ratio Lower Upper

105 100

120 39.6 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 91.966 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.118 min

Lab File: VN078150.D

Acq: 09 Jun 2023 16:58

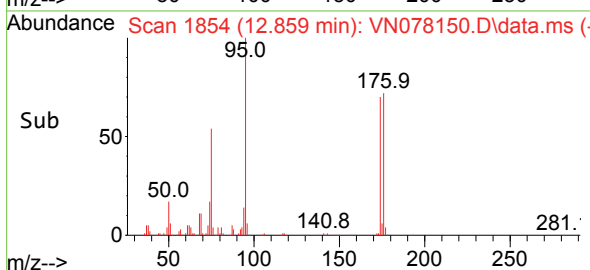
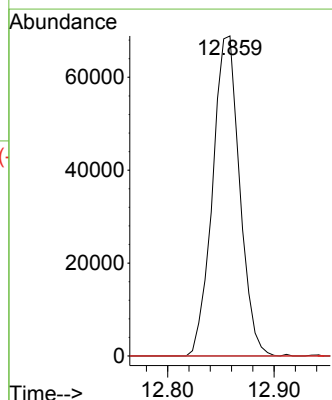
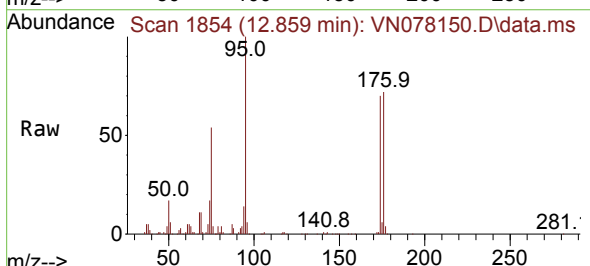
Tgt Ion: 75 Resp: 121713

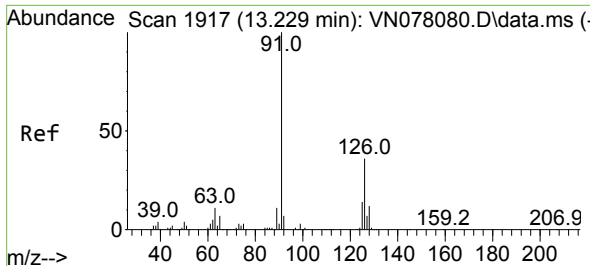
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

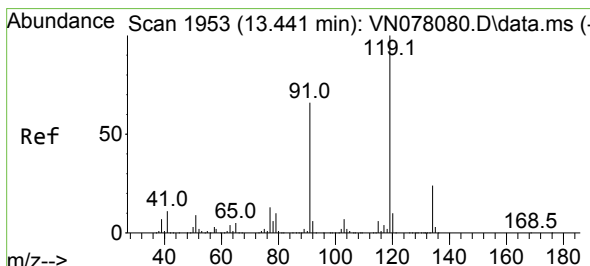
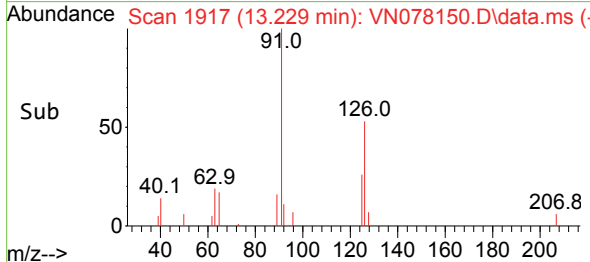
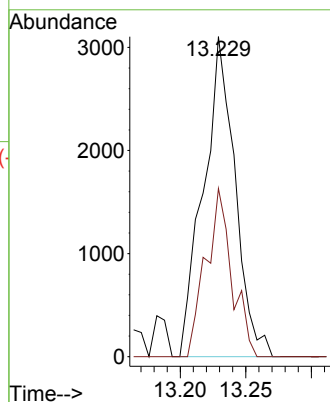
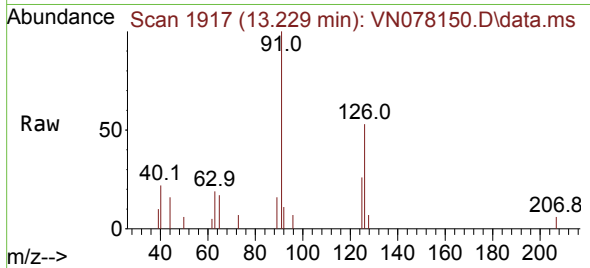




#82
4-Chlorotoluene
Concen: 0.489 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

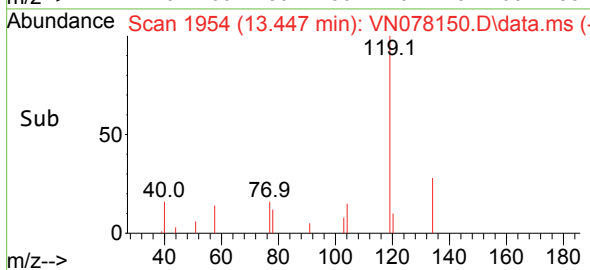
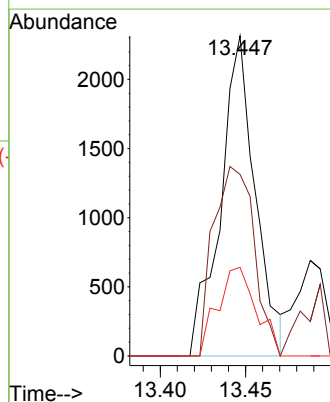
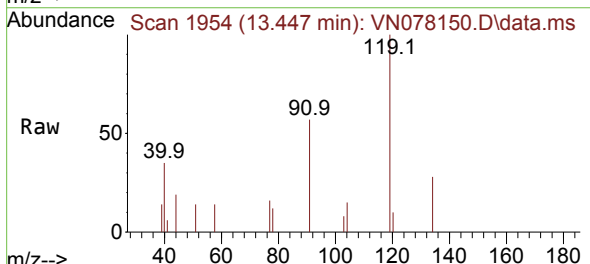
Instrument :
MSVOA_N
ClientSampleId :
IBLK

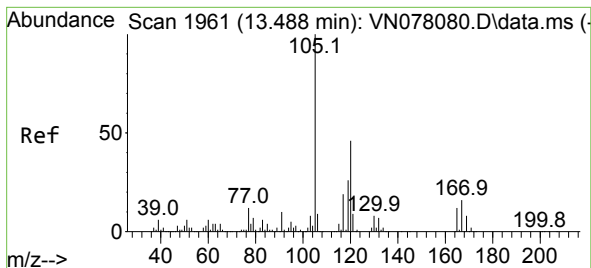
Tgt Ion: 91 Resp: 5204
Ion Ratio Lower Upper
91 100
126 43.4 16.7 50.0



#83
tert-Butylbenzene
Concen: 0.287 ug/l
RT: 13.447 min Scan# 1954
Delta R.T. 0.006 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

Tgt Ion: 119 Resp: 3285
Ion Ratio Lower Upper
119 100
91 69.1 33.9 101.7
134 30.9 13.2 39.6





#84

1,2,4-Trimethylbenzene

Concen: 0.312 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. -0.000 min

Lab File: VN078150.D

Acq: 09 Jun 2023 16:58

Instrument :

MSVOA_N

ClientSampleId :

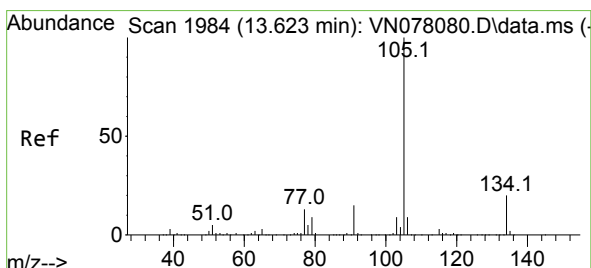
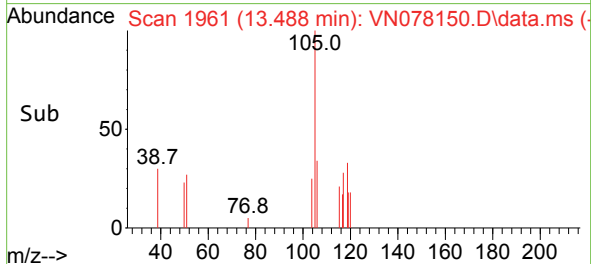
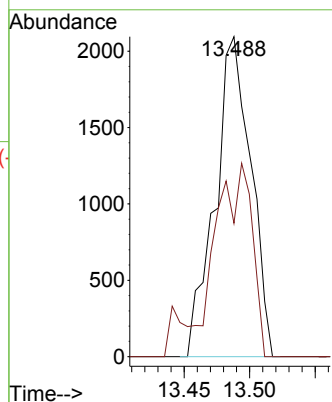
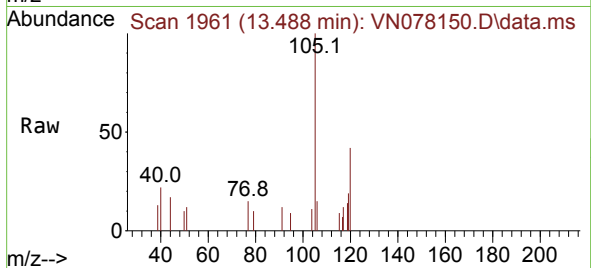
IBLK

Tgt Ion:105 Resp: 3977

Ion Ratio Lower Upper

105 100

120 25.7 22.0 66.0



#85

sec-Butylbenzene

Concen: 0.477 ug/l

RT: 13.629 min Scan# 1985

Delta R.T. 0.006 min

Lab File: VN078150.D

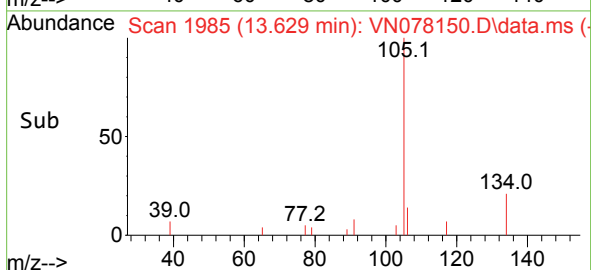
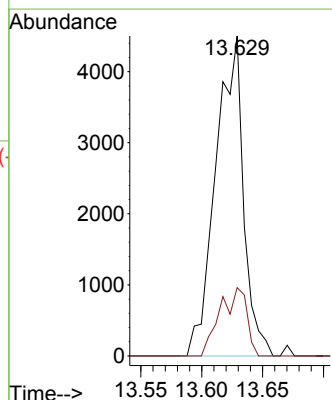
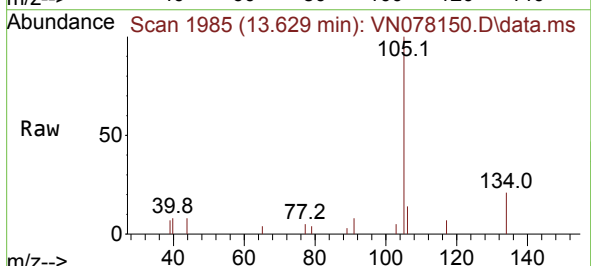
Acq: 09 Jun 2023 16:58

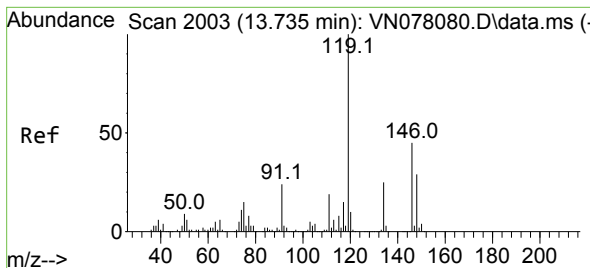
Tgt Ion:105 Resp: 7142

Ion Ratio Lower Upper

105 100

134 20.5 9.8 29.3





#86

p-Isopropyltoluene

Concen: 0.476 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. -0.000 min

Lab File: VN078150.D

Acq: 09 Jun 2023 16:58

Instrument :

MSVOA_N

ClientSampleId :

IBLK

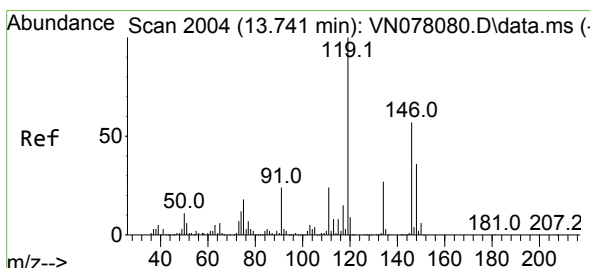
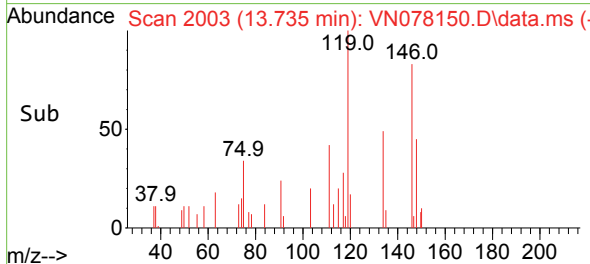
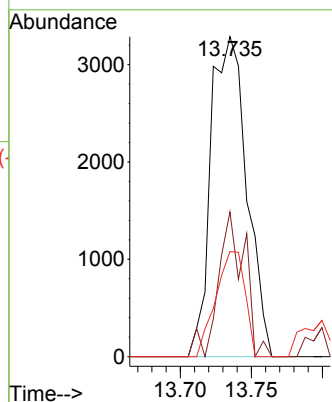
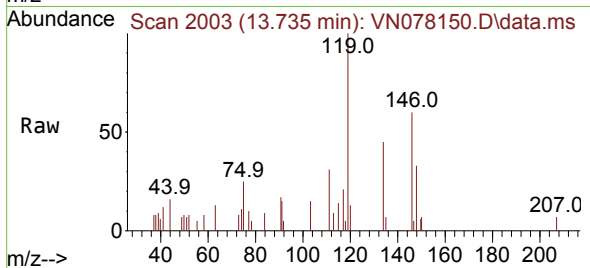
Tgt Ion:119 Resp: 5784

Ion Ratio Lower Upper

119 100

134 33.1 12.6 37.8

91 26.5 12.4 37.2



#87

1,3-Dichlorobenzene

Concen: 0.622 ug/l

RT: 13.747 min Scan# 2005

Delta R.T. 0.006 min

Lab File: VN078150.D

Acq: 09 Jun 2023 16:58

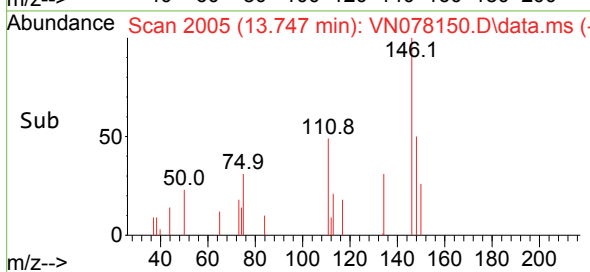
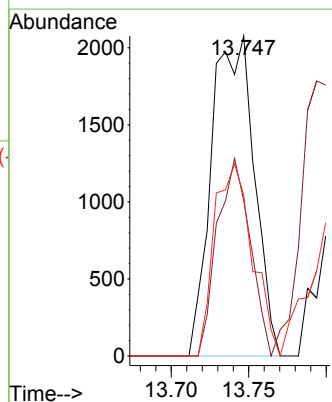
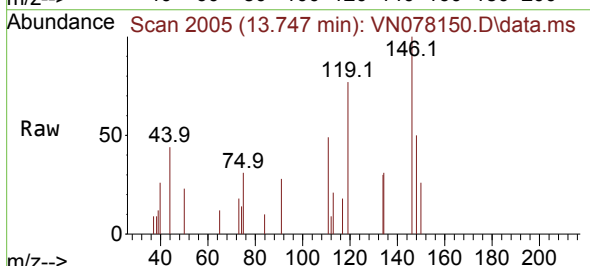
Tgt Ion:146 Resp: 3973

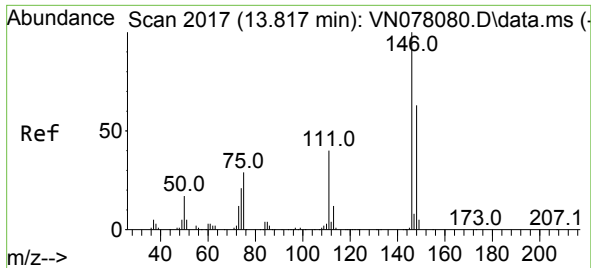
Ion Ratio Lower Upper

146 100

111 47.6 22.1 66.3

148 53.6 32.0 96.0

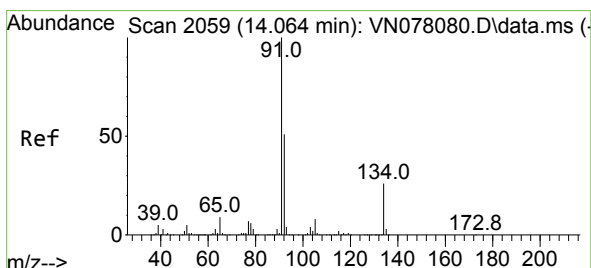
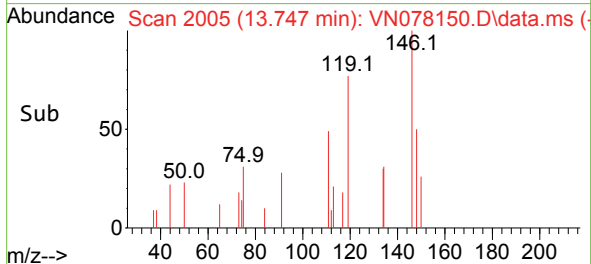
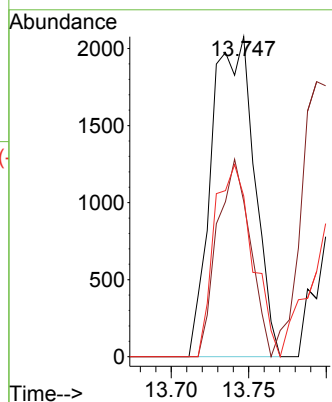
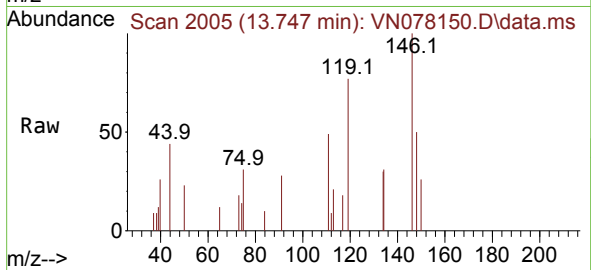




#88
1,4-Dichlorobenzene
Concen: 0.645 ug/l
RT: 13.747 min Scan# 2017
Delta R.T. -0.071 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

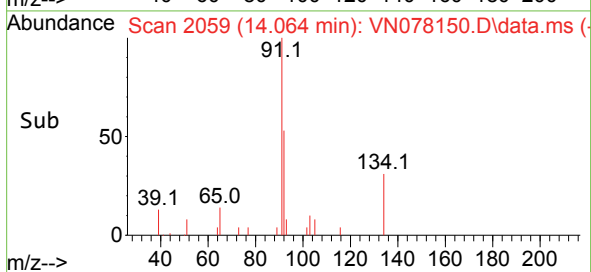
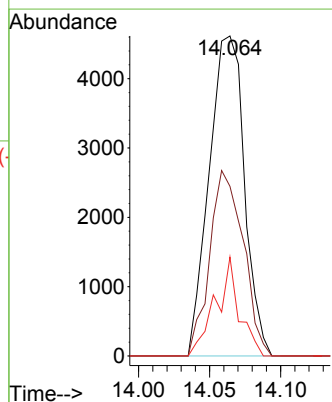
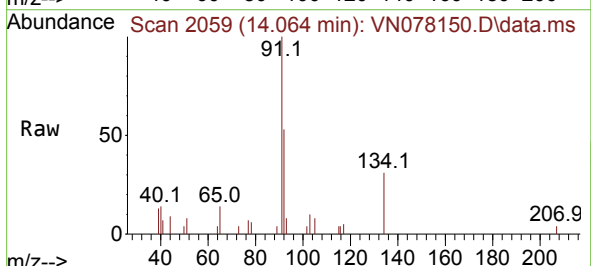
Instrument :
MSVOA_N
ClientSampleId :
IBLK

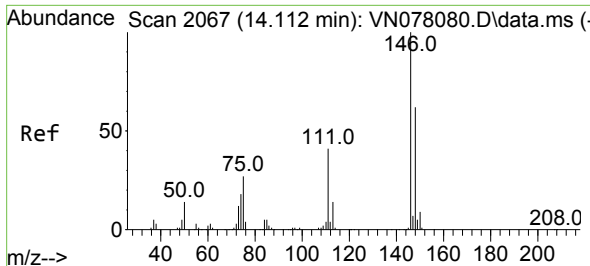
Tgt Ion:146 Resp: 3973
Ion Ratio Lower Upper
146 100
111 47.6 20.6 61.8
148 53.6 31.6 94.8



#89
n-Butylbenzene
Concen: 0.830 ug/l
RT: 14.064 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

Tgt Ion: 91 Resp: 7963
Ion Ratio Lower Upper
91 100
92 55.3 26.4 79.0
134 20.8 12.6 37.6

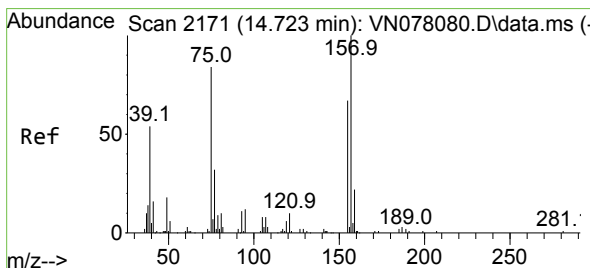
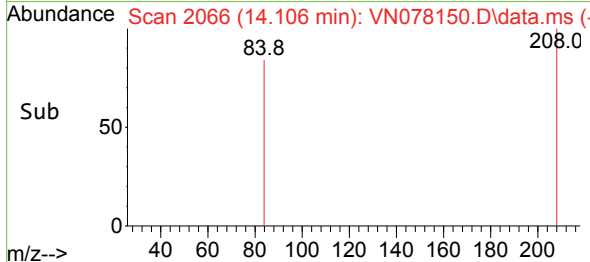
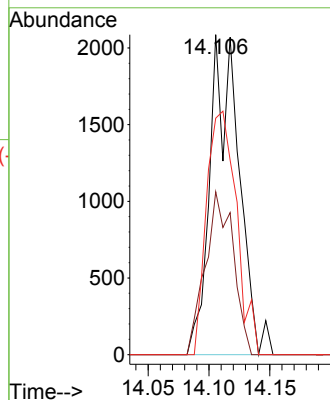
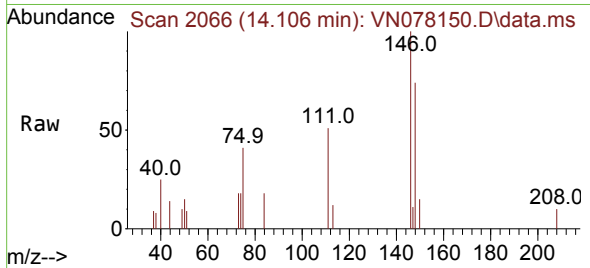




#91
1,2-Dichlorobenzene
Concen: 0.550 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.006 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

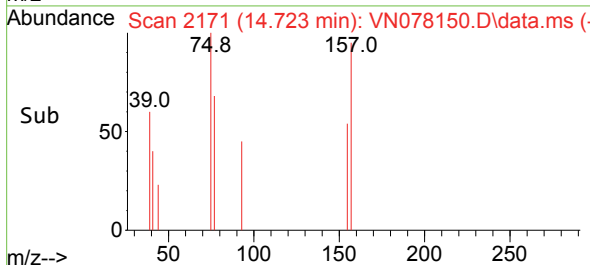
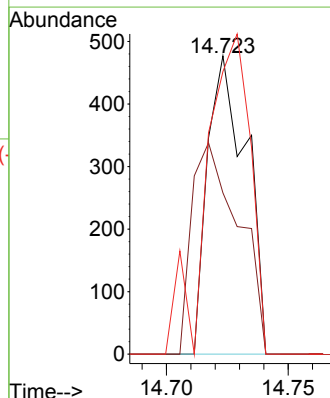
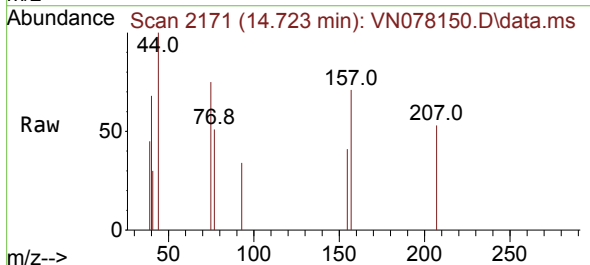
Instrument :
MSVOA_N
ClientSampleId :
IBLK

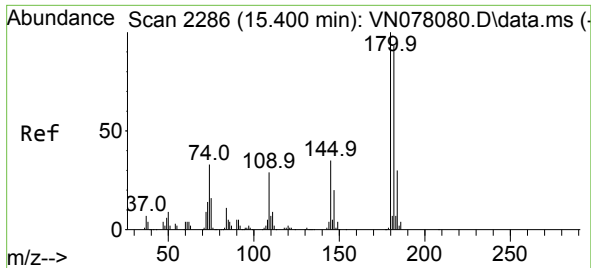
Tgt Ion:	146	Resp:	3434
Ion	Ratio	Lower	Upper
146	100		
111	49.4	22.0	66.0
148	78.9	31.8	95.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.652 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. -0.000 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

Tgt Ion:	75	Resp:	525
Ion	Ratio	Lower	Upper
75	100		
155	86.5	39.1	117.2
157	121.9	50.3	150.9

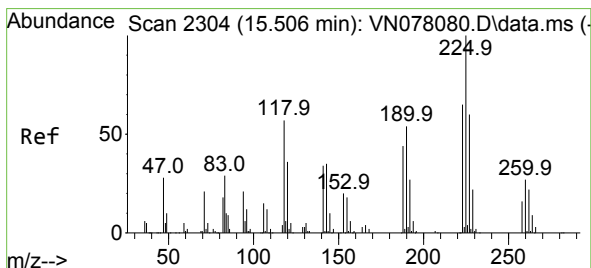
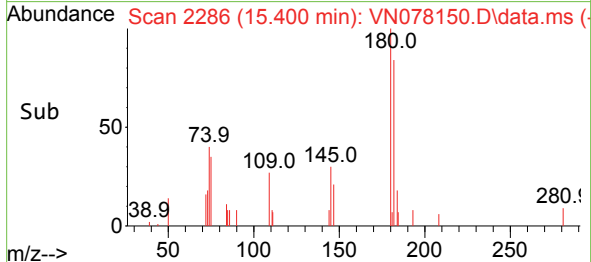
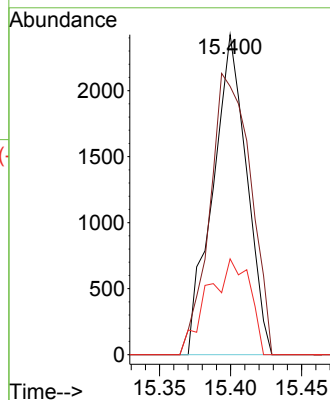
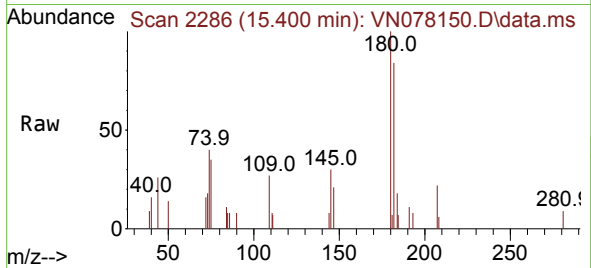




#93
1,2,4-Trichlorobenzene
Concen: 1.808 ug/l
RT: 15.400 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

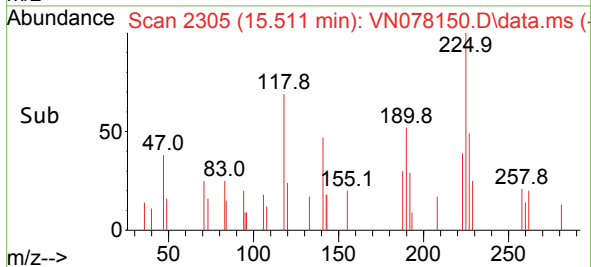
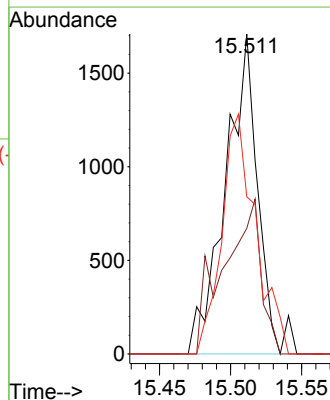
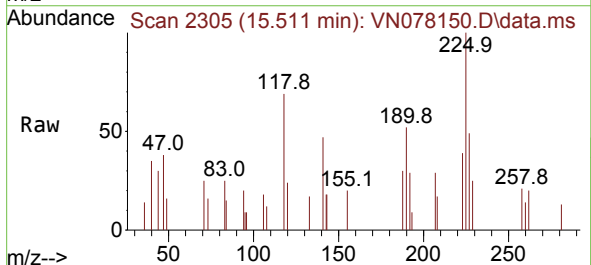
Instrument :
MSVOA_N
ClientSampleId :
IBLK

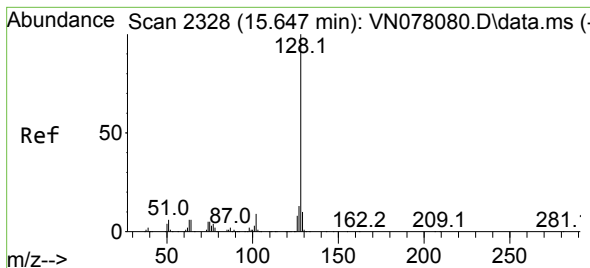
Tgt Ion:180	Resp:	4021
Ion Ratio	Lower	Upper
180	100	
182	105.6	46.1 138.2
145	37.1	16.6 49.8



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.511 min Scan# 2305
Delta R.T. 0.005 min
Lab File: VN078150.D
Acq: 09 Jun 2023 16:58

Tgt Ion:225	Resp:	2658
Ion Ratio	Lower	Upper
225	100	
223	57.1	31.3 93.8
227	79.6	31.9 95.9





#95

Naphthalene

Concen: 2.392 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN078150.D

Acq: 09 Jun 2023 16:58

Instrument :

MSVOA_N

ClientSampleId :

IBLK

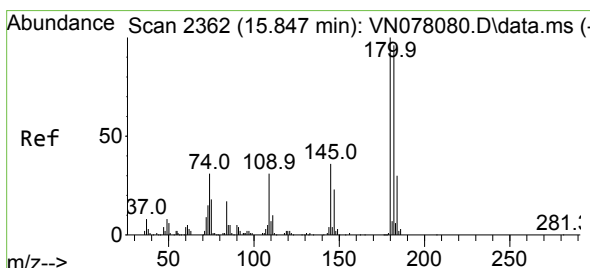
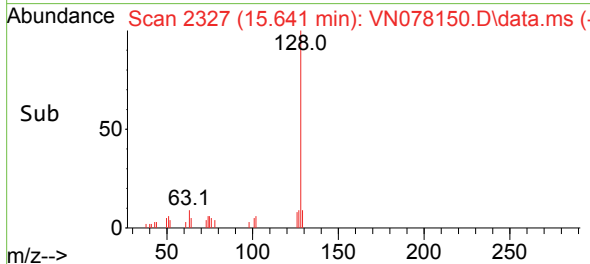
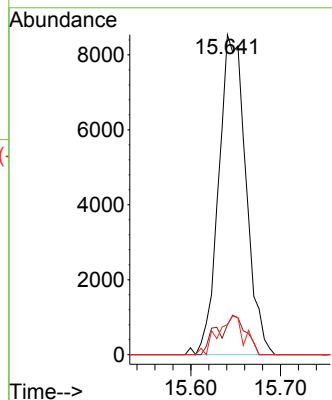
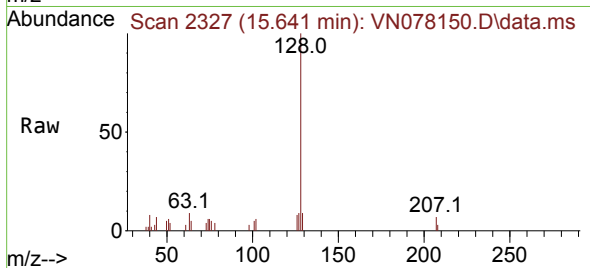
Tgt Ion:128 Resp: 17892

Ion Ratio Lower Upper

128 100

127 8.6 10.0 15.0#

129 11.8 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 2.366 ug/l

RT: 15.852 min Scan# 2363

Delta R.T. 0.006 min

Lab File: VN078150.D

Acq: 09 Jun 2023 16:58

Tgt Ion:180 Resp: 5886

Ion Ratio Lower Upper

180 100

182 89.9 46.2 138.6

145 35.2 17.5 52.6

