

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061923\
 Data File : VN078277.D
 Acq On : 19 Jun 2023 14:12
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 20 01:27:07 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)

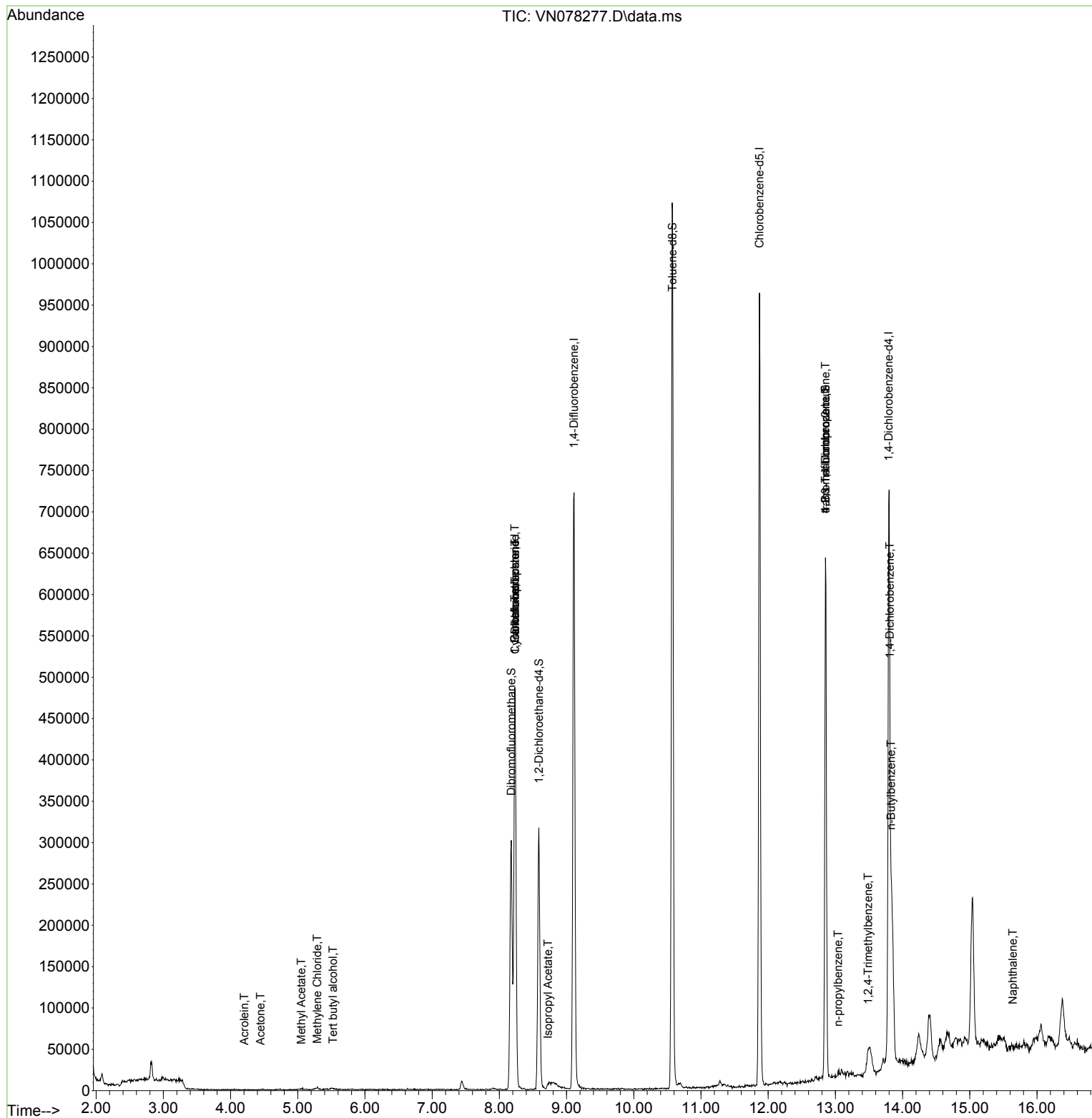
Internal Standards						
1) Pentafluorobenzene	8.230	168	349797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	653636	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	563087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	155094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	253939	54.448	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.900%	
35) Dibromofluoromethane	8.177	113	218472	52.862	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.720%	
50) Toluene-d8	10.577	98	793186	49.784	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.560%	
62) 4-Bromofluorobenzene	12.853	95	223089	45.041	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.080%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1298	Below Cal		92
11) Tert butyl alcohol	5.524	59	1126	1.748 ug/l	#	72
13) Acrolein	4.206	56	324	0.456 ug/l	#	58
16) Acetone	4.447	43	525	0.391 ug/l	#	40
18) Methyl Acetate	5.053	43	1386	0.224 ug/l	#	42
20) Methylene Chloride	5.289	84	1327	0.299 ug/l	#	86
31) Cyclohexane	8.236	56	8680	1.451 ug/l	#	54
36) 1,1-Dichloropropene	8.236	75	30299	5.111 ug/l	#	48
38) Carbon Tetrachloride	8.230	117	38391	6.133 ug/l	#	18
43) Isopropyl Acetate	8.724	43	4137	0.467 ug/l	#	49
75) 1,1,2,2-Tetrachloroethane	12.788	83	850	Below Cal		92
76) 1,2,3-Trichloropropane	12.853	75	120181	32.778 ug/l	#	1
78) n-propylbenzene	13.041	91	3526	0.221 ug/l		84
81) trans-1,4-Dichloro-2-b...	12.853	75	120181	100.705 ug/l	#	15
84) 1,2,4-Trimethylbenzene	13.488	105	5005	0.435 ug/l		95
88) 1,4-Dichlorobenzene	13.812	146	1430	0.257 ug/l	#	1
89) n-Butylbenzene	13.829	91	34146	3.949 ug/l	#	35
94) Hexachlorobutadiene	15.512	225	54	Below Cal	#	1
95) Naphthalene	15.641	128	1778	0.264 ug/l	#	48

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

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QLast Update : Wed Jun 07 05:05:00 2023
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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: VN078277.D

Acq: 19 Jun 2023 14:12

Instrument :

MSVOA_N

ClientSampleId :

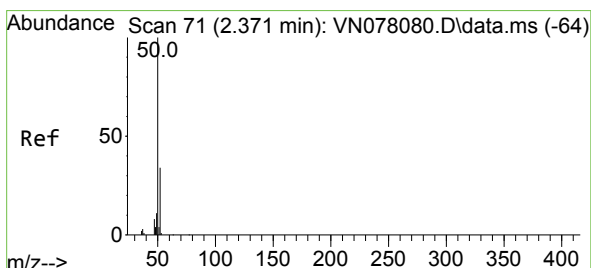
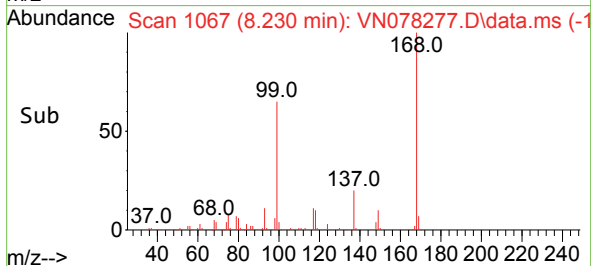
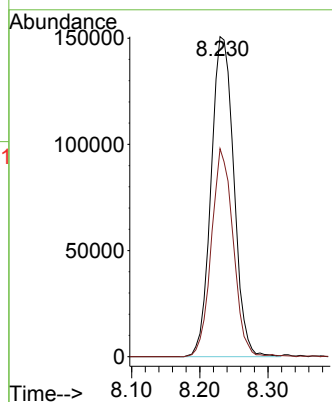
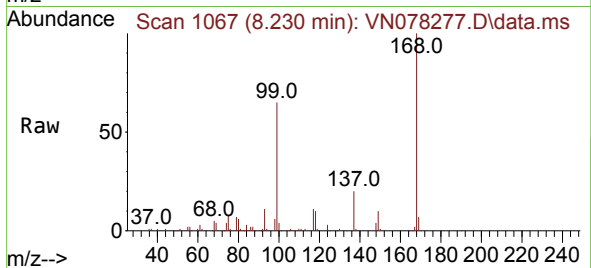
IBLK

Tgt Ion:168 Resp: 349797

Ion Ratio Lower Upper

168 100

99 65.0 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078277.D

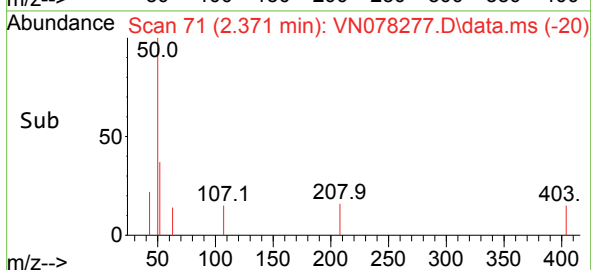
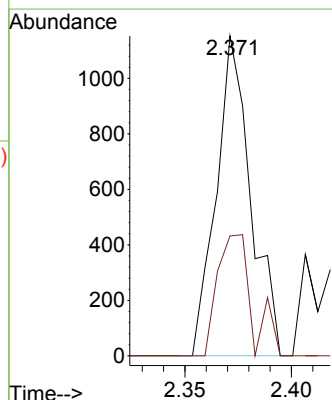
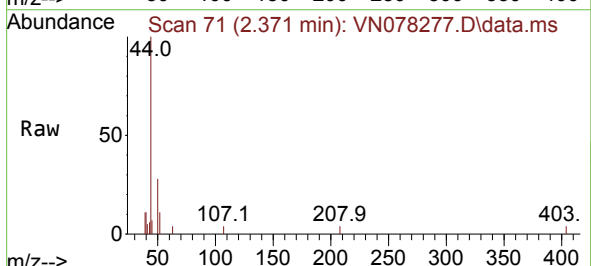
Acq: 19 Jun 2023 14:12

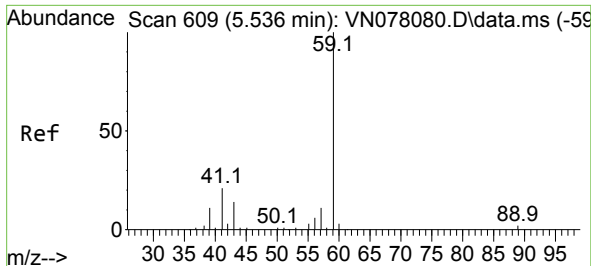
Tgt Ion: 50 Resp: 1298

Ion Ratio Lower Upper

50 100

52 37.5 26.5 39.7

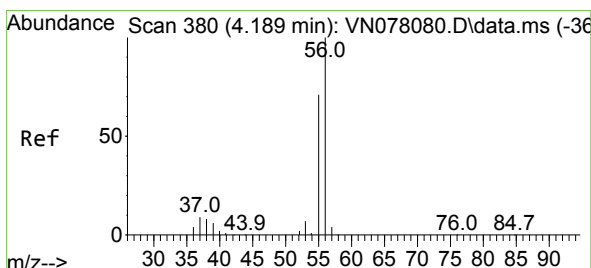
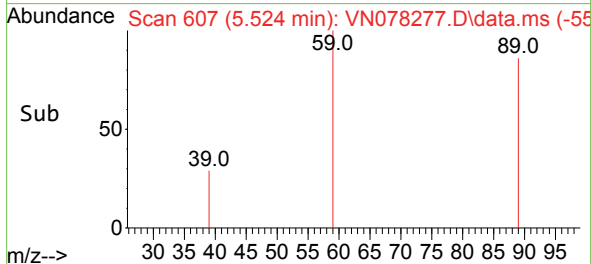
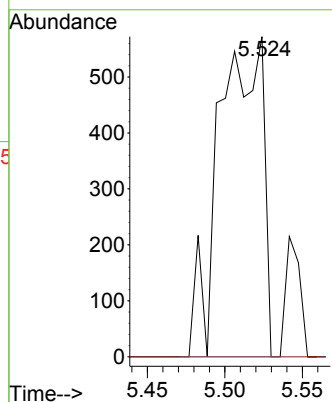
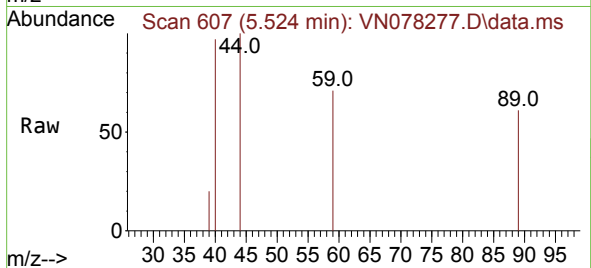




#11
Tert butyl alcohol
Concen: 1.748 ug/l
RT: 5.524 min Scan# 609
Delta R.T. -0.012 min
Lab File: VN078277.D
Acq: 19 Jun 2023 14:12

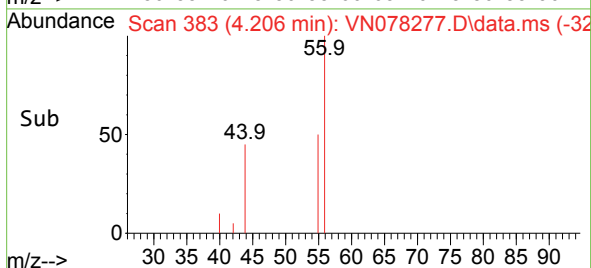
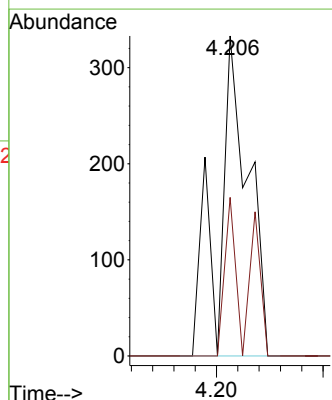
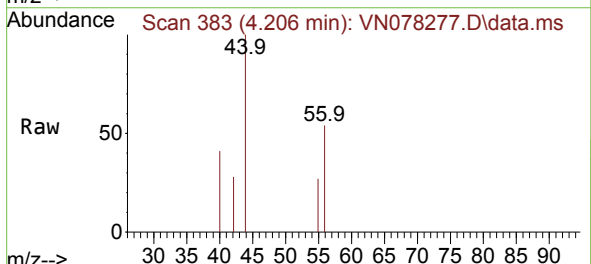
Instrument :
MSVOA_N
ClientSampleId :
IBLK

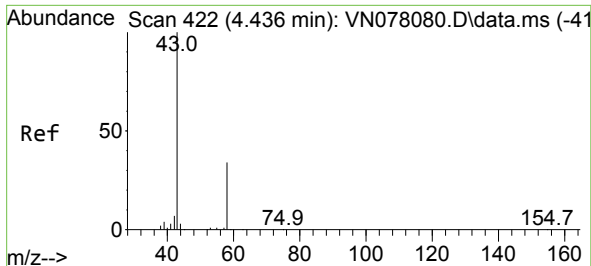
Tgt Ion: 59 Resp: 1126
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.456 ug/l
RT: 4.206 min Scan# 383
Delta R.T. 0.018 min
Lab File: VN078277.D
Acq: 19 Jun 2023 14:12

Tgt Ion: 56 Resp: 324
Ion Ratio Lower Upper
56 100
55 34.3 54.5 81.7#

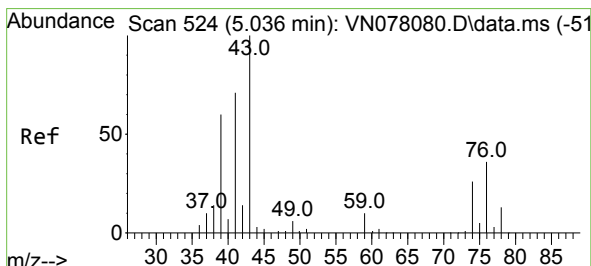
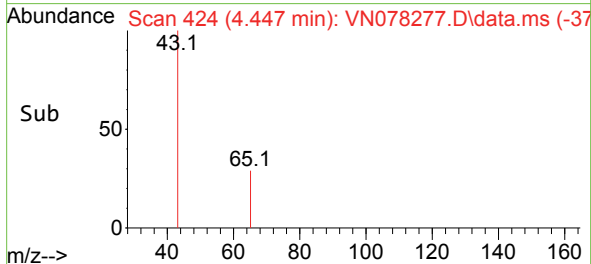
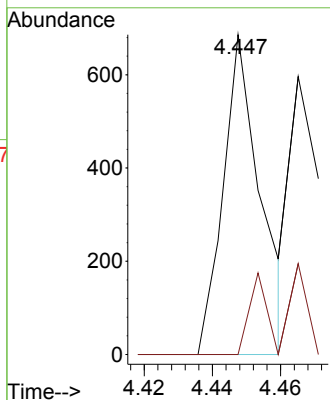
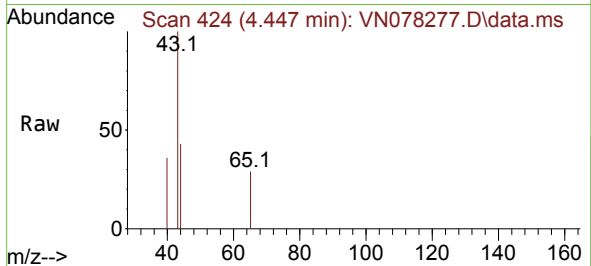




#16
Acetone
Concen: 0.391 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN078277.D
Acq: 19 Jun 2023 14:12

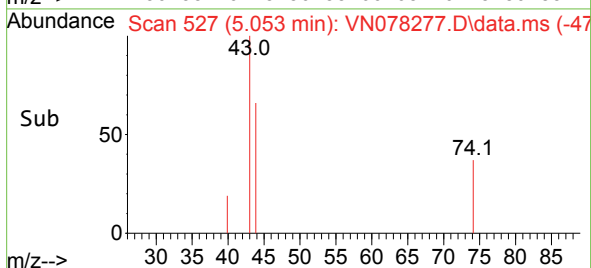
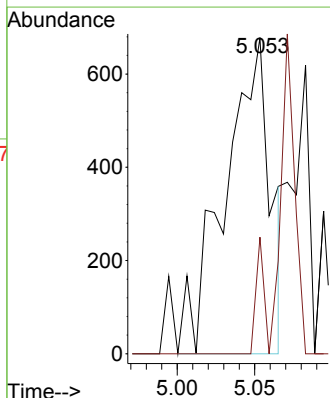
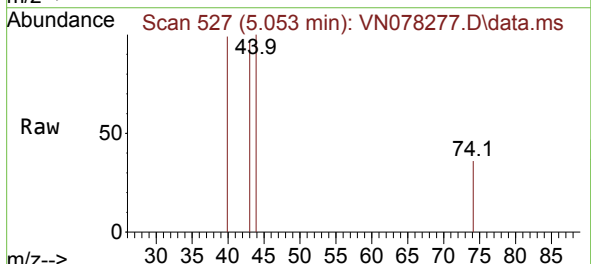
Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 43 Resp: 525
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#18
Methyl Acetate
Concen: 0.224 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.018 min
Lab File: VN078277.D
Acq: 19 Jun 2023 14:12

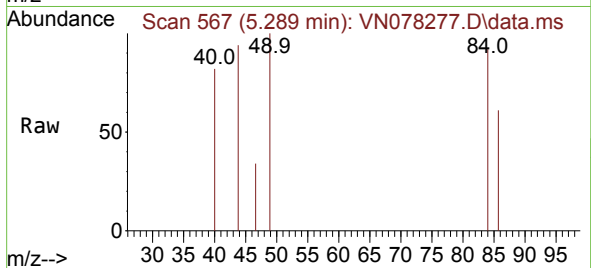
Tgt Ion: 43 Resp: 1386
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



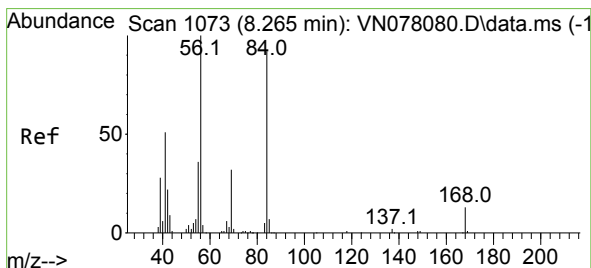
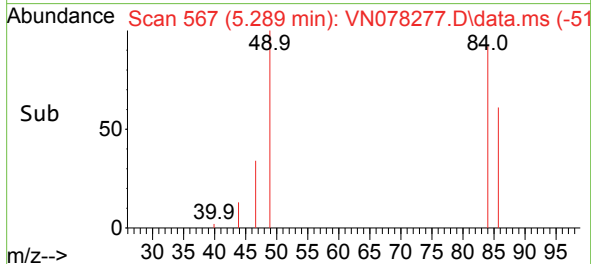
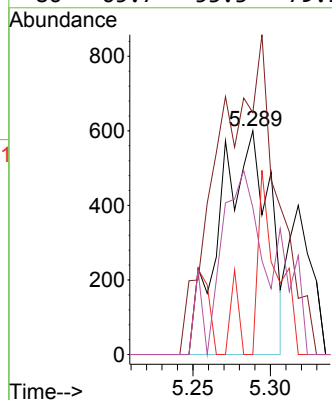


#20
Methylene Chloride
Concen: 0.299 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078277.D
Acq: 19 Jun 2023 14:12

Instrument :
MSVOA_N
ClientSampleId :
IBLK

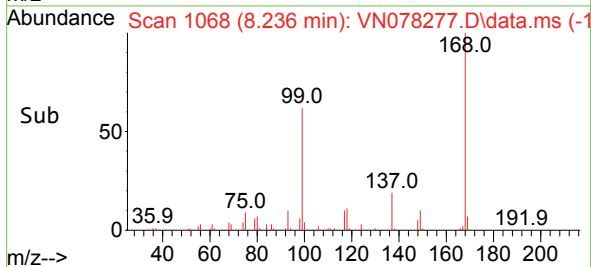
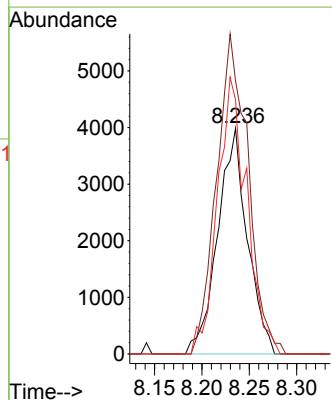
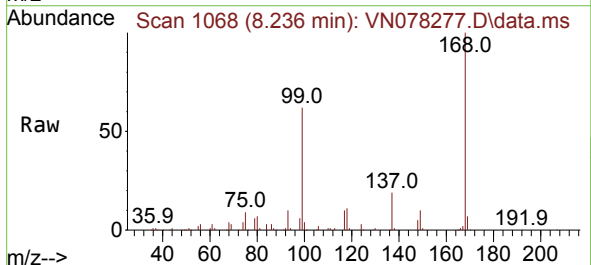


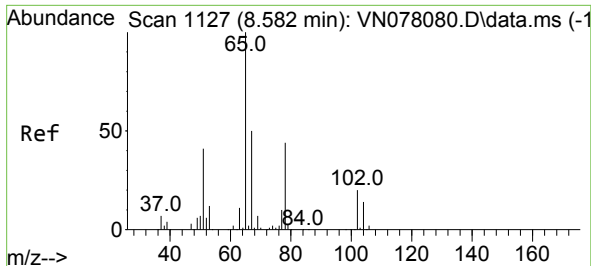
Tgt Ion: 84	Resp: 1327
Ion Ratio	Lower Upper
84 100	
49 108.2	79.7 119.5
51 0.0	25.2 37.8#
86 65.7	53.3 79.9



#31
Cyclohexane
Concen: 1.451 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078277.D
Acq: 19 Jun 2023 14:12

Tgt Ion: 56	Resp: 8680
Ion Ratio	Lower Upper
56 100	
69 120.9	26.8 40.2#
84 112.6	81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 54.448 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078277.D

Acq: 19 Jun 2023 14:12

Instrument :

MSVOA_N

ClientSampleId :

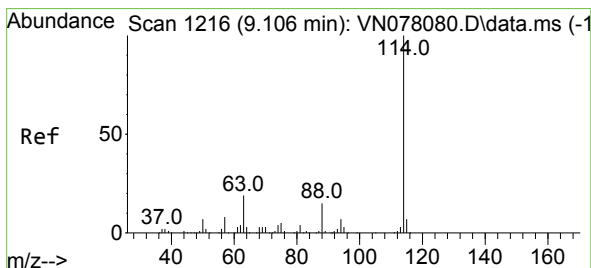
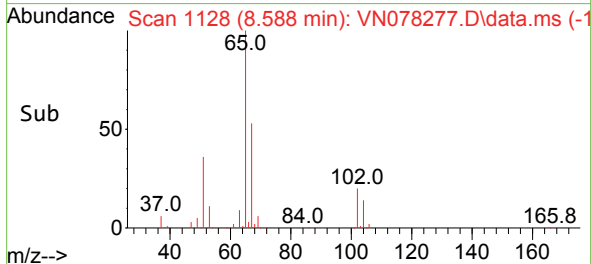
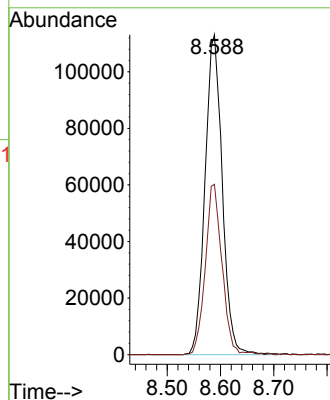
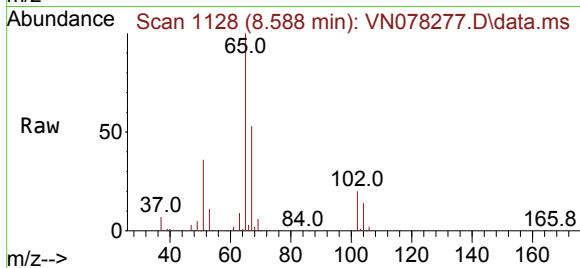
IBLK

Tgt Ion: 65 Resp: 253939

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# 1217

Delta R.T. 0.006 min

Lab File: VN078277.D

Acq: 19 Jun 2023 14:12

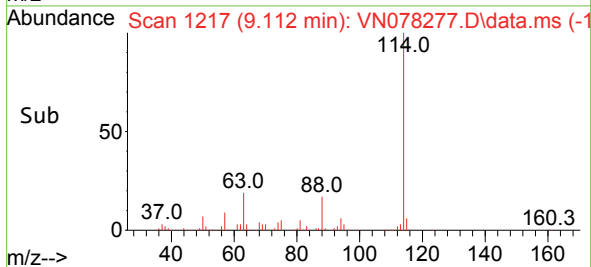
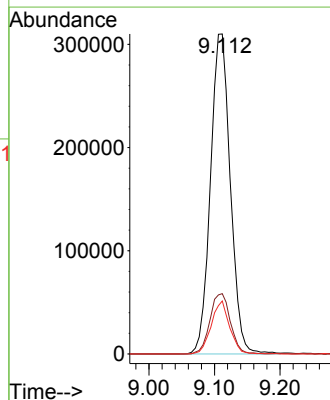
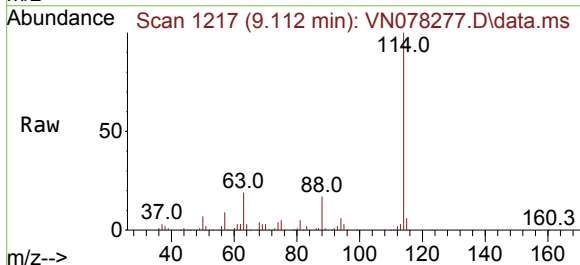
Tgt Ion: 114 Resp: 653636

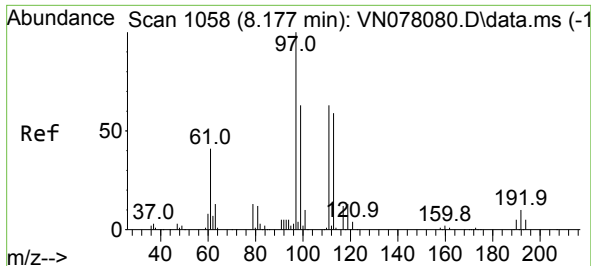
Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.4

88 16.6 0.0 30.6

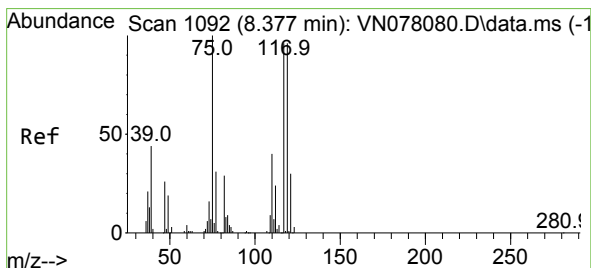
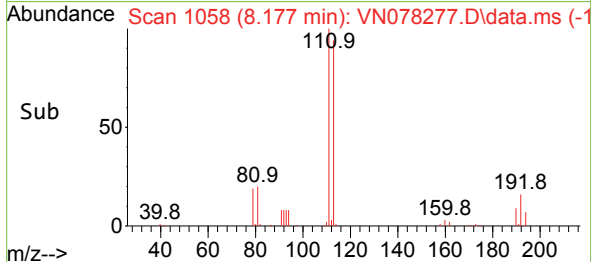
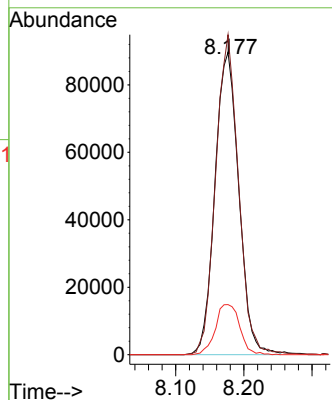
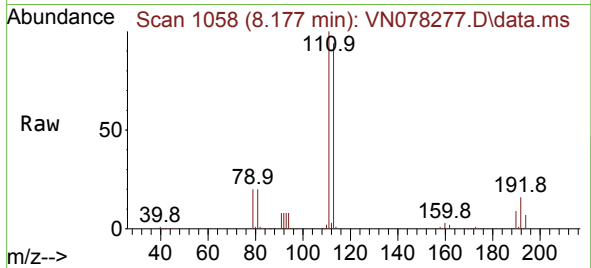




#35
Dibromofluoromethane
Concen: 52.862 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078277.D
Acq: 19 Jun 2023 14:12

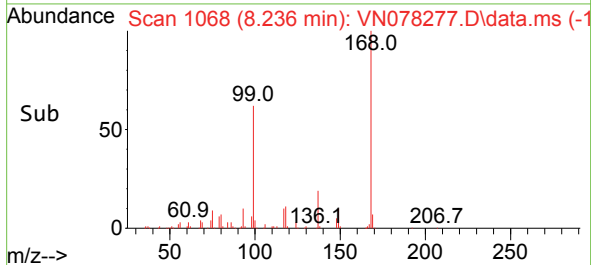
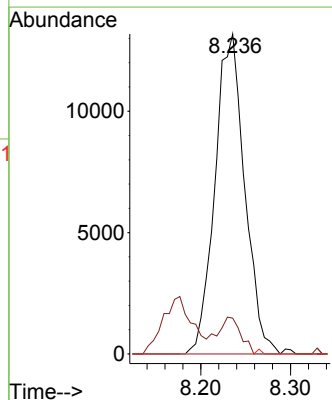
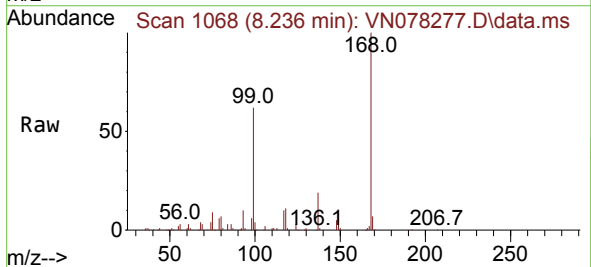
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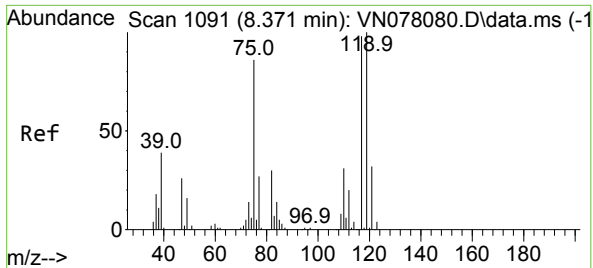
Tgt Ion:113 Resp: 218472
Ion Ratio Lower Upper
113 100
111 101.5 82.6 123.8
192 16.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.111 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078277.D
Acq: 19 Jun 2023 14:12

Tgt Ion: 75 Resp: 30299
Ion Ratio Lower Upper
75 100
110 9.0 19.1 57.3#
77 0.0 25.0 37.4#

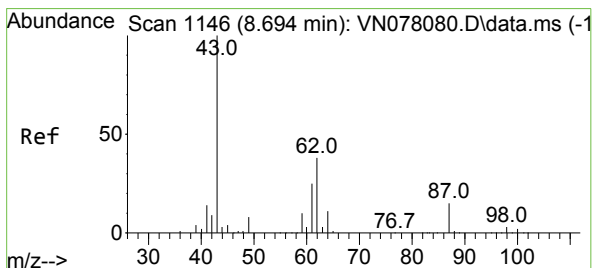
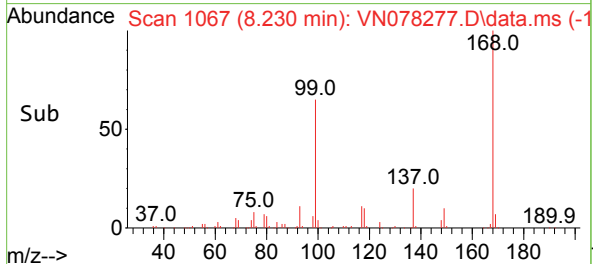
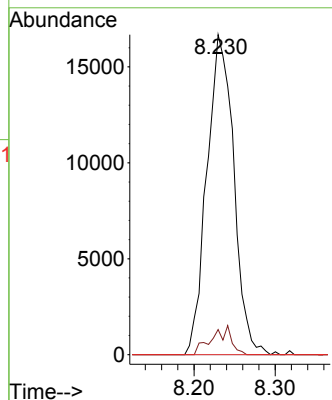
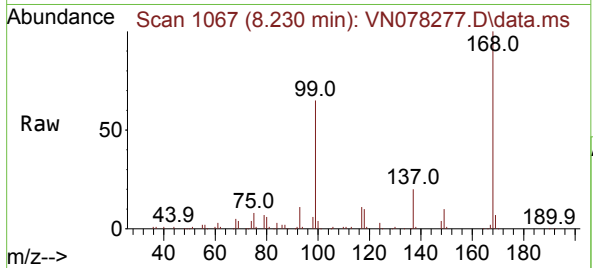




#38
Carbon Tetrachloride
Concen: 6.133 ug/l
RT: 8.230 min Scan# 1105
Delta R.T. -0.141 min
Lab File: VN078277.D
Acq: 19 Jun 2023 14:12

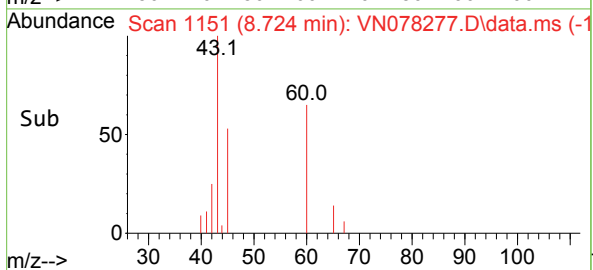
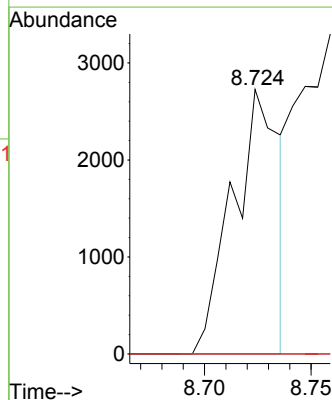
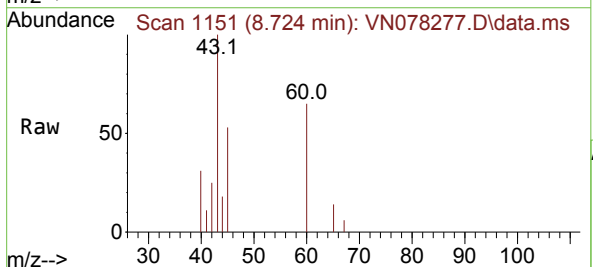
Instrument :
MSVOA_N
ClientSampleId :
IBLK

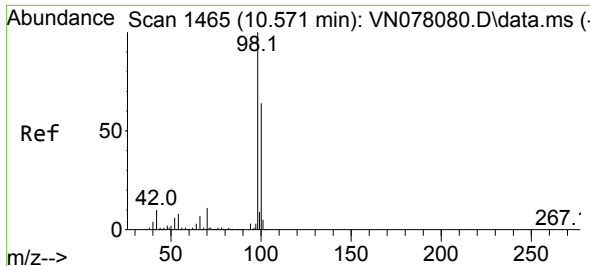
Tgt Ion:117 Resp: 38391
Ion Ratio Lower Upper
117 100
119 7.8 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.467 ug/l
RT: 8.724 min Scan# 1151
Delta R.T. 0.029 min
Lab File: VN078277.D
Acq: 19 Jun 2023 14:12

Tgt Ion: 43 Resp: 4137
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

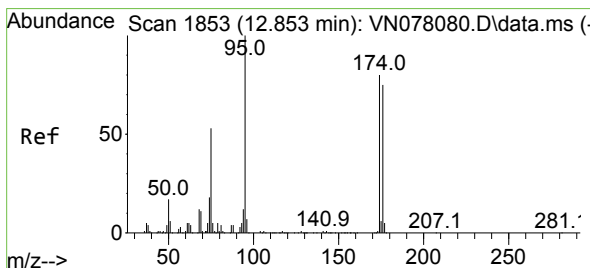
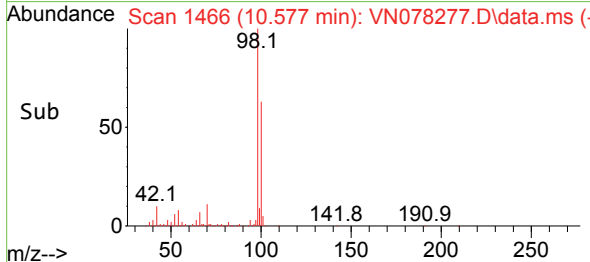
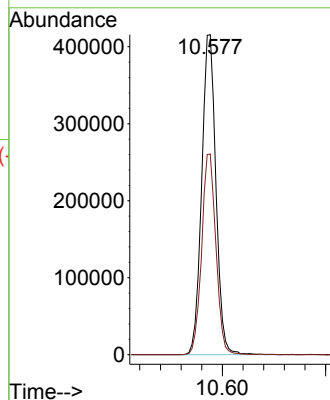
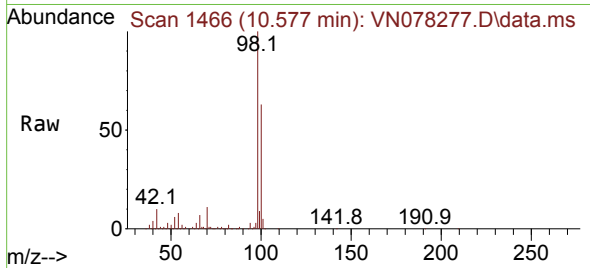




#50
Toluene-d8
Concen: 49.784 ug/l
RT: 10.577 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN078277.D
Acq: 19 Jun 2023 14:12

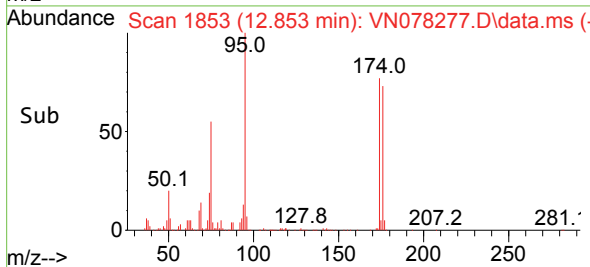
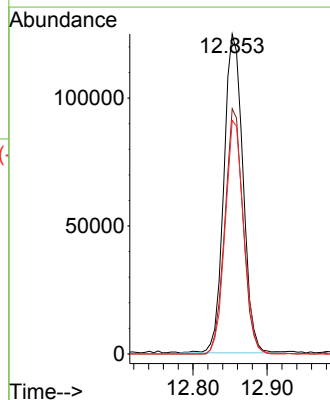
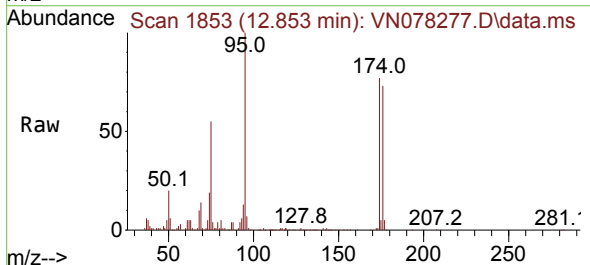
Instrument :
MSVOA_N
ClientSampleId :
IBLK

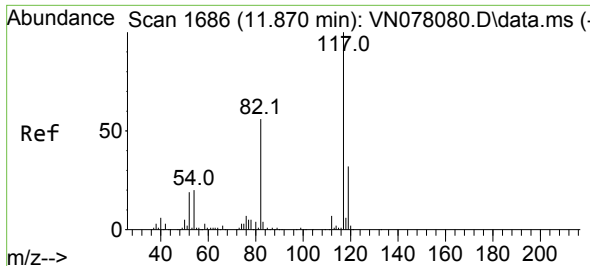
Tgt Ion: 98 Resp: 793186
Ion Ratio Lower Upper
98 100
100 62.8 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 45.041 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078277.D
Acq: 19 Jun 2023 14:12

Tgt Ion: 95 Resp: 223089
Ion Ratio Lower Upper
95 100
174 73.2 0.0 143.8
176 71.2 0.0 135.8

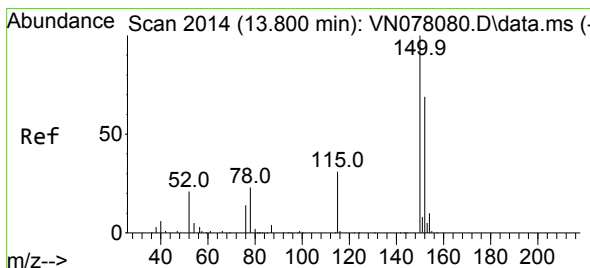
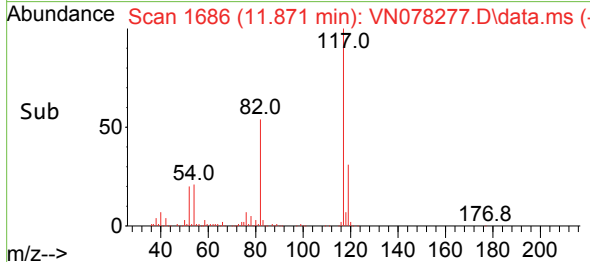
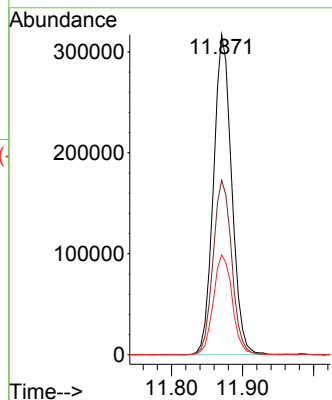
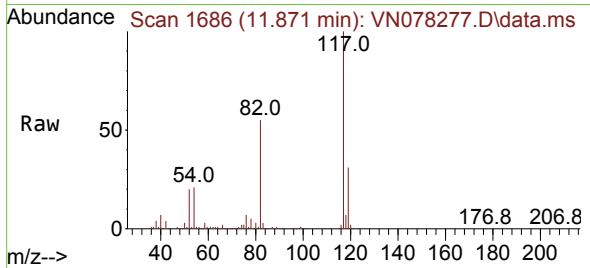




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN078277.D
Acq: 19 Jun 2023 14:12

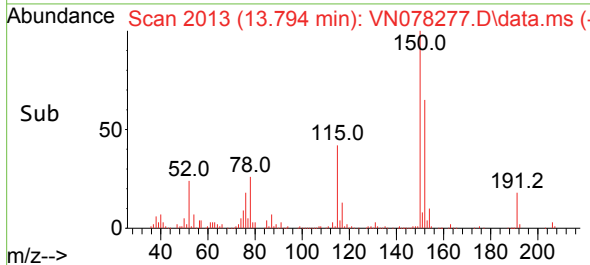
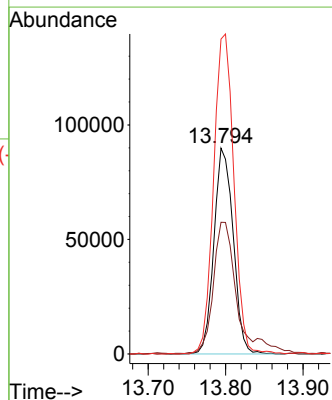
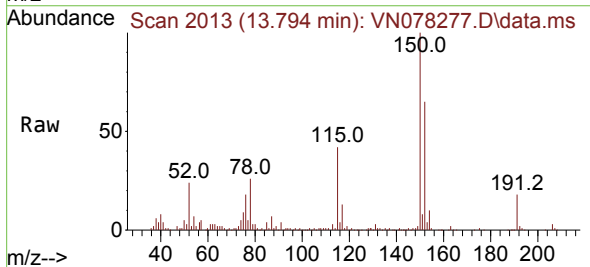
Instrument :
MSVOA_N
ClientSampleId :
IBLK

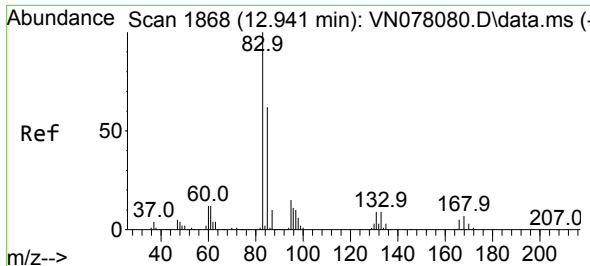
Tgt Ion:117 Resp: 563087
Ion Ratio Lower Upper
117 100
82 54.5 44.0 66.0
119 31.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN078277.D
Acq: 19 Jun 2023 14:12

Tgt Ion:152 Resp: 155094
Ion Ratio Lower Upper
152 100
115 79.4 32.3 96.8
150 163.5 0.0 355.8

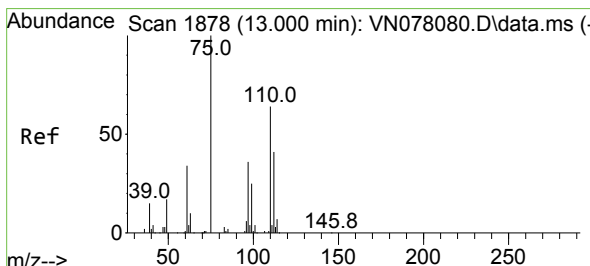
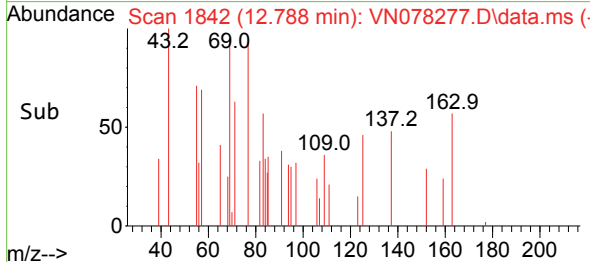
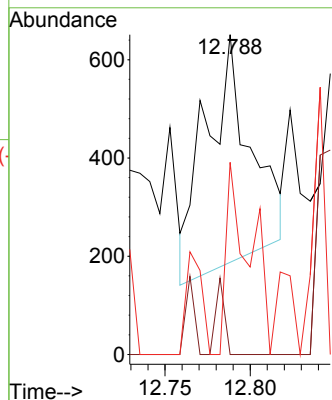
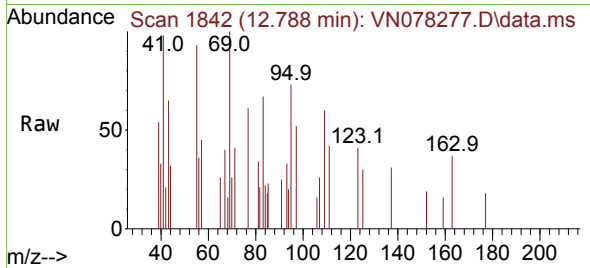




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.788 min Scan# 1842
Delta R.T. -0.153 min
Lab File: VN078277.D
Acq: 19 Jun 2023 14:12

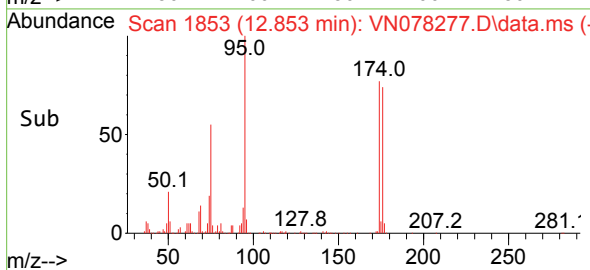
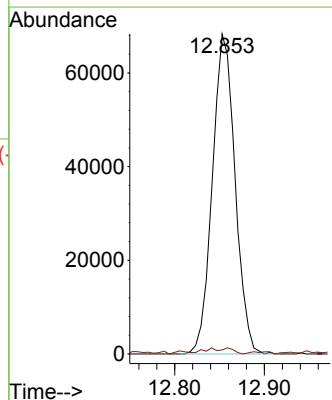
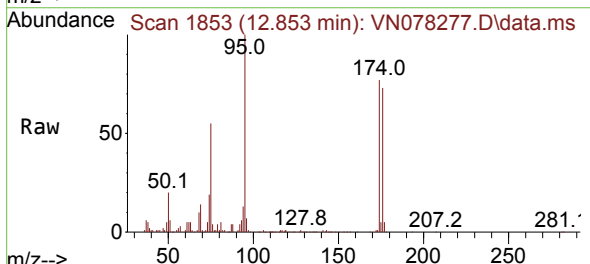
Instrument :
MSVOA_N
ClientSampleId :
IBLK

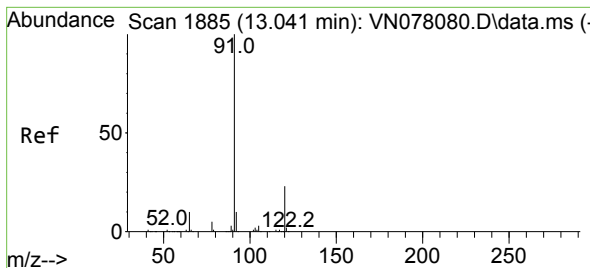
Tgt Ion: 83 Resp: 850
Ion Ratio Lower Upper
83 100
131 6.5 5.0 15.0
85 58.1 31.9 95.7



#76
1,2,3-Trichloropropane
Concen: 32.778 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078277.D
Acq: 19 Jun 2023 14:12

Tgt Ion: 75 Resp: 120181
Ion Ratio Lower Upper
75 100
77 0.7 84.5 253.5#





#78

n-propylbenzene

Concen: 0.221 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN078277.D

Acq: 19 Jun 2023 14:12

Instrument :

MSVOA_N

ClientSampleId :

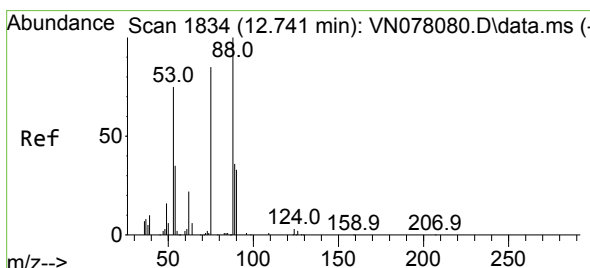
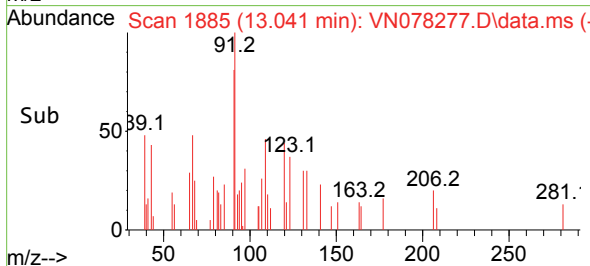
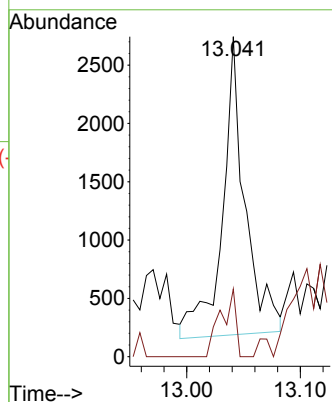
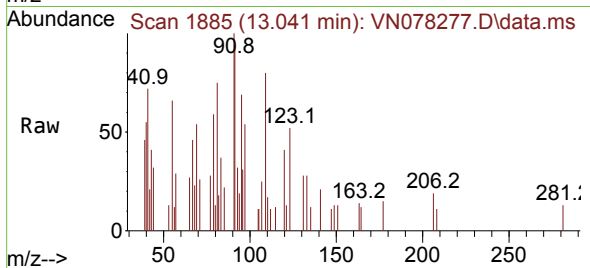
IBLK

Tgt Ion: 91 Resp: 3526

Ion Ratio Lower Upper

91 100

120 15.1 11.5 34.4



#81

trans-1,4-Dichloro-2-butene

Concen: 100.705 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078277.D

Acq: 19 Jun 2023 14:12

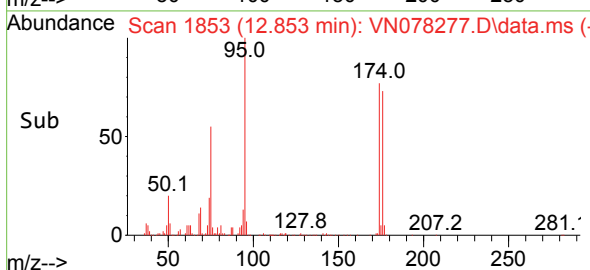
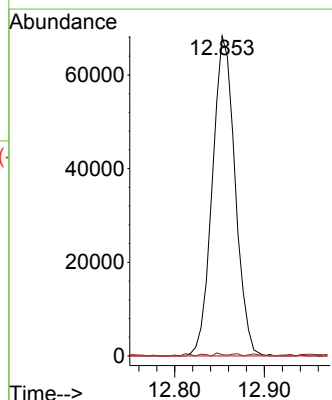
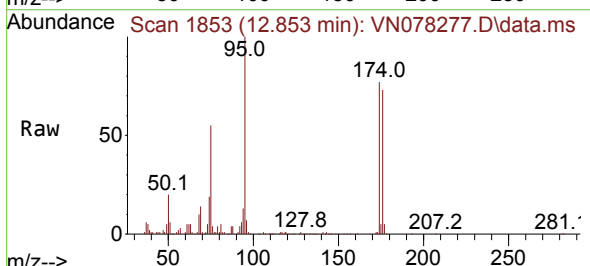
Tgt Ion: 75 Resp: 120181

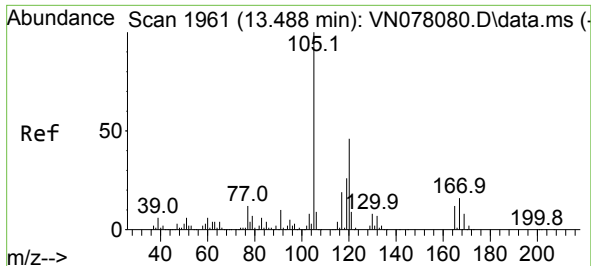
Ion Ratio Lower Upper

75 100

53 0.3 67.4 101.2#

89 0.0 38.8 58.2#

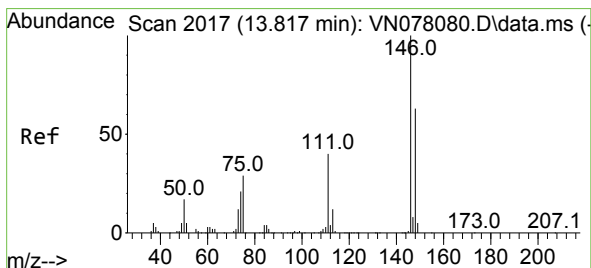
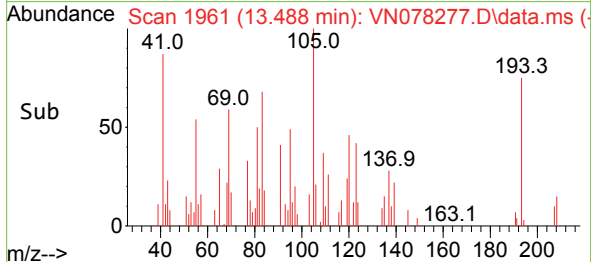
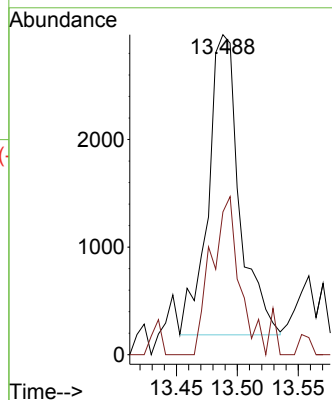
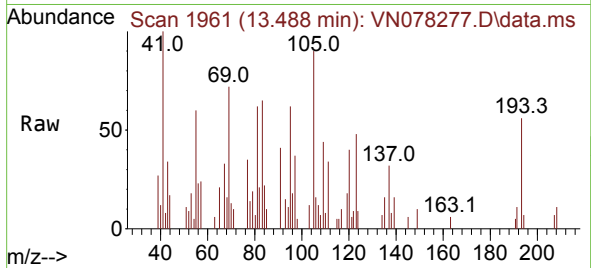




#84
 1,2,4-Trimethylbenzene
 Concen: 0.435 ug/l
 RT: 13.488 min Scan# 1961
 Delta R.T. 0.000 min
 Lab File: VN078277.D
 Acq: 19 Jun 2023 14:12

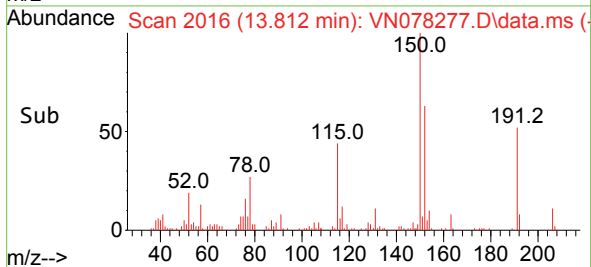
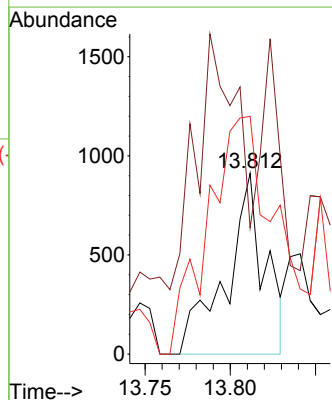
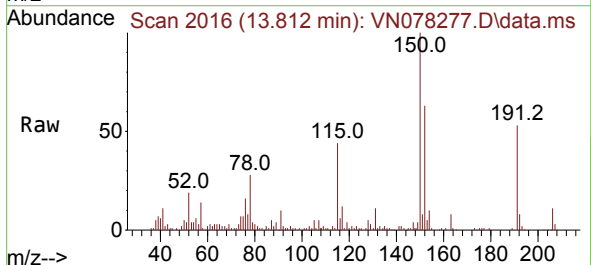
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

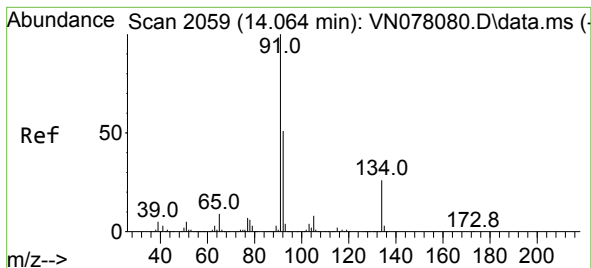
Tgt Ion:105 Resp: 5005
 Ion Ratio Lower Upper
 105 100
 120 47.3 22.0 66.0



#88
 1,4-Dichlorobenzene
 Concen: 0.257 ug/l
 RT: 13.812 min Scan# 2016
 Delta R.T. -0.006 min
 Lab File: VN078277.D
 Acq: 19 Jun 2023 14:12

Tgt Ion:146 Resp: 1430
 Ion Ratio Lower Upper
 146 100
 111 58.0 20.6 61.8
 148 233.8 31.6 94.8#





#89

n-Butylbenzene

Concen: 3.949 ug/l

RT: 13.829 min Scan# 2059

Delta R.T. -0.235 min

Lab File: VN078277.D

Acq: 19 Jun 2023 14:12

Instrument :

MSVOA_N

ClientSampleId :

IBLK

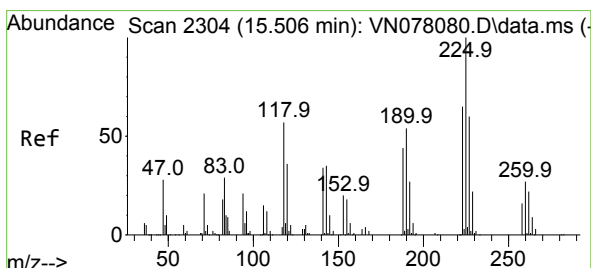
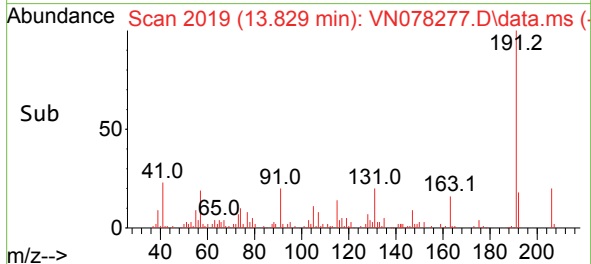
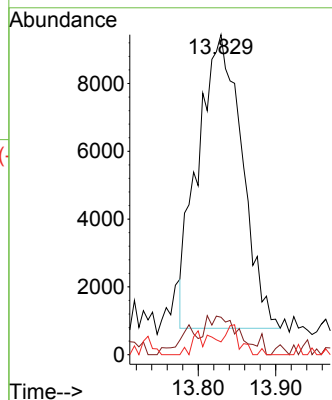
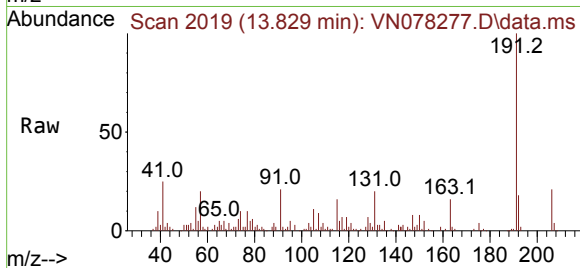
Tgt Ion: 91 Resp: 34146

Ion Ratio Lower Upper

91 100

92 0.0 26.4 79.0#

134 3.2 12.6 37.6#



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.512 min Scan# 2305

Delta R.T. 0.005 min

Lab File: VN078277.D

Acq: 19 Jun 2023 14:12

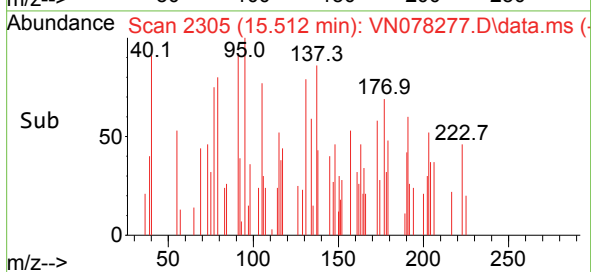
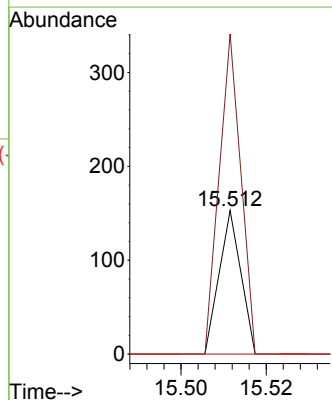
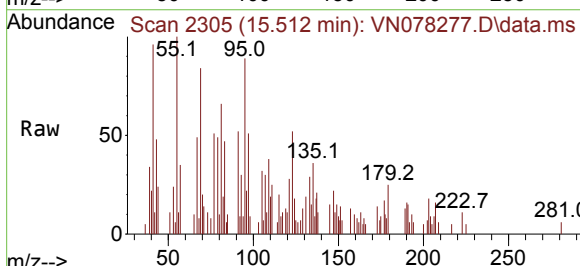
Tgt Ion: 225 Resp: 54

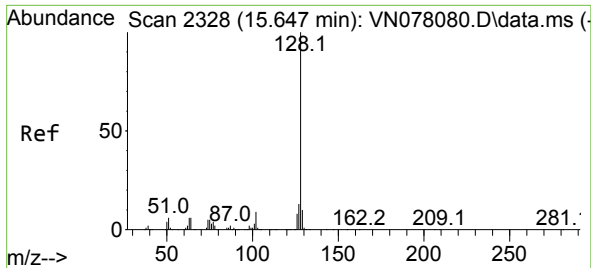
Ion Ratio Lower Upper

225 100

223 222.2 31.3 93.8#

227 0.0 31.9 95.9#





#95

Naphthalene

Concen: 0.264 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN078277.D

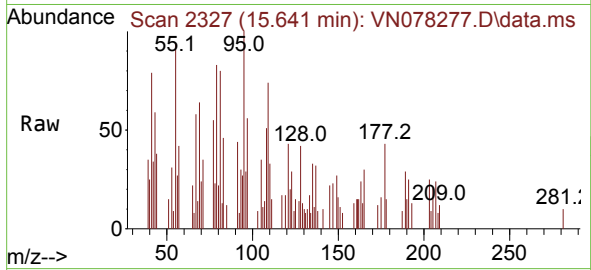
Acq: 19 Jun 2023 14:12

Instrument :

MSVOA_N

ClientSampleId :

IBLK



Tgt Ion:128 Resp: 1778

Ion Ratio Lower Upper

128 100

127 9.1 10.0 15.0#

129 49.2 8.7 13.1#

