

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062623\
 Data File : VN078404.D
 Acq On : 26 Jun 2023 16:01
 Operator : JC\MD
 Sample : 03390-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-062123

Quant Time: Jun 27 02:17:51 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)

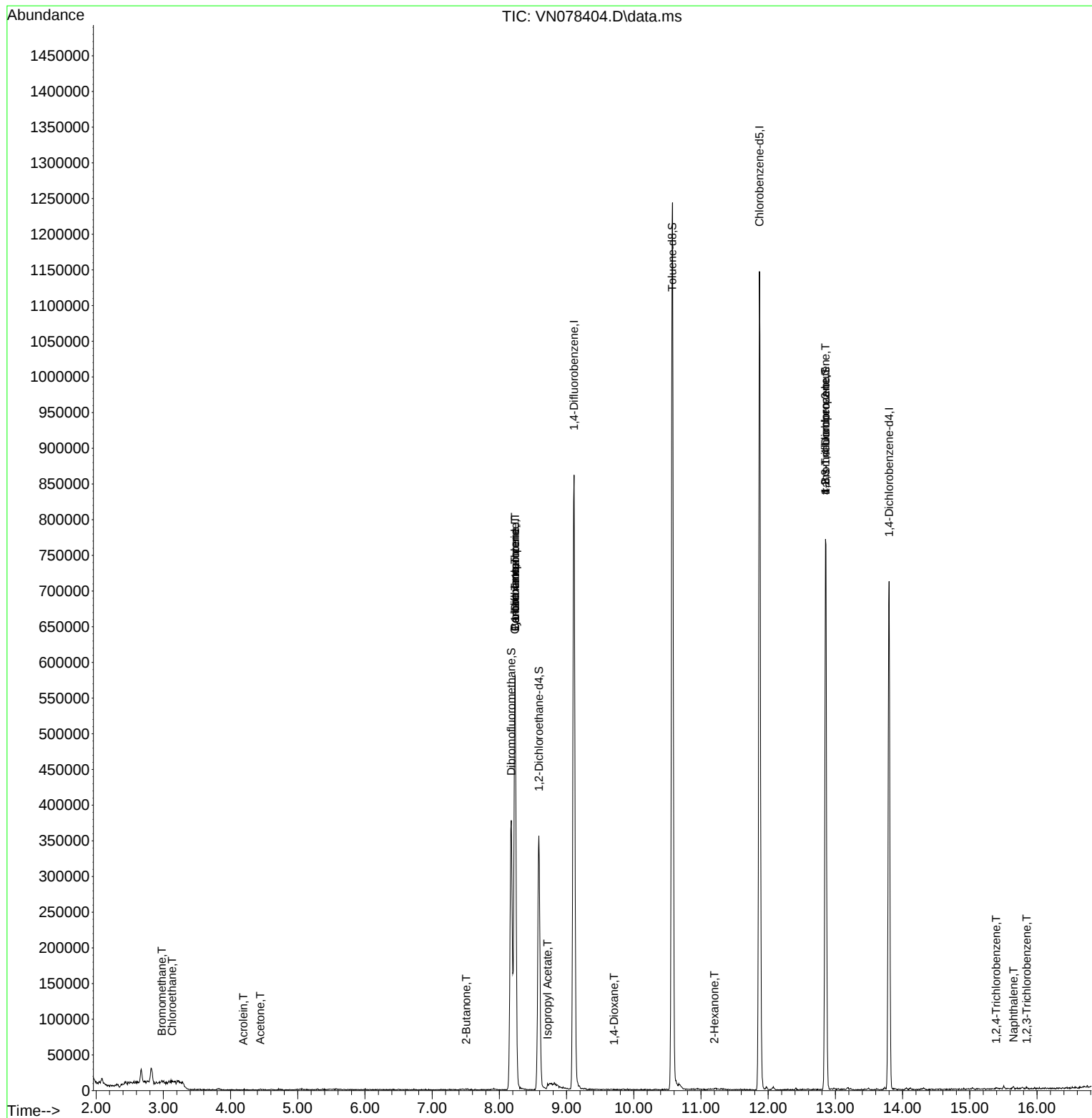
Internal Standards						
1) Pentafluorobenzene	8.235	168	425432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	777418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	680282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	195888	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	295202	52.043	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.080%	
35) Dibromofluoromethane	8.177	113	275995	56.148	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 112.300%	
50) Toluene-d8	10.570	98	900622	47.527	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.060%	
62) 4-Bromofluorobenzene	12.853	95	270322	45.887	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.780%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1389	Below Cal		93
5) Bromomethane	2.977	94	2655	0.558	ug/l #	40
6) Chloroethane	3.130	64	1768	0.412	ug/l #	43
13) Acrolein	4.189	56	457	0.529	ug/l #	38
16) Acetone	4.441	43	920	0.563	ug/l #	40
25) 2-Butanone	7.506	43	1286	0.512	ug/l #	37
31) Cyclohexane	8.229	56	10334	1.420	ug/l #	44
36) 1,1-Dichloropropene	8.235	75	36335	5.153	ug/l #	48
38) Carbon Tetrachloride	8.235	117	46498	6.246	ug/l #	18
43) Isopropyl Acetate	8.718	43	2953	0.280	ug/l #	49
49) 1,4-Dioxane	9.706	88	55	0.592	ug/l #	1
59) 2-Hexanone	11.200	43	1231	0.319	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.953	83	192	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	146174	31.565	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	146174	96.978	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.394	180	508	0.201	ug/l #	66
94) Hexachlorobutadiene	15.505	225	1008	Below Cal	#	77
95) Naphthalene	15.653	128	2714	0.319	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.847	180	777	0.274	ug/l #	77

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

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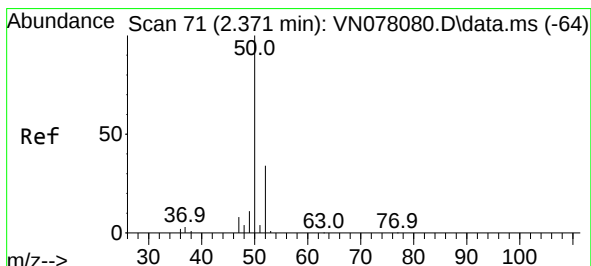
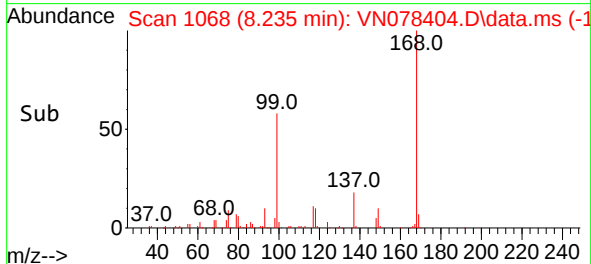
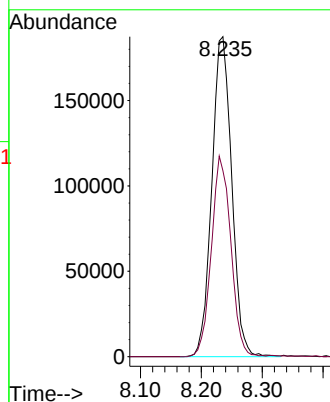
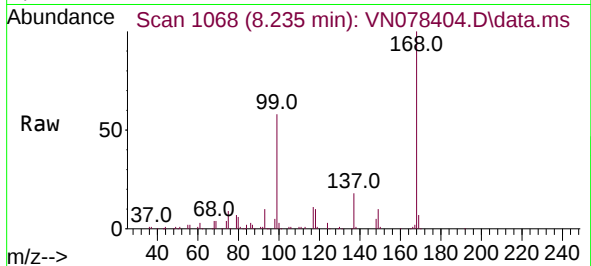




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN078404.D
Acq: 26 Jun 2023 16:01

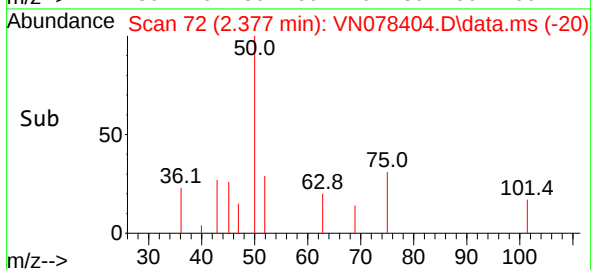
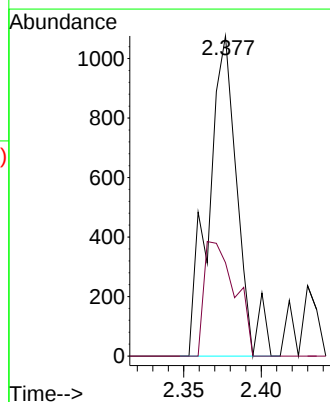
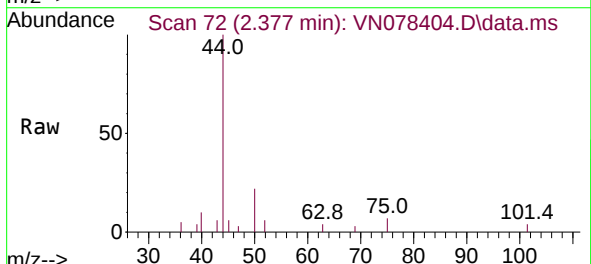
Instrument :
MSVOA_N
ClientSampleId :
TB-062123

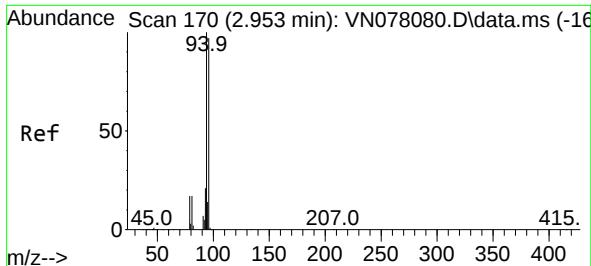
Tgt Ion:168 Resp: 425432
Ion Ratio Lower Upper
168 100
99 58.1 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078404.D
Acq: 26 Jun 2023 16:01

Tgt Ion: 50 Resp: 1389
Ion Ratio Lower Upper
50 100
52 29.2 26.5 39.7

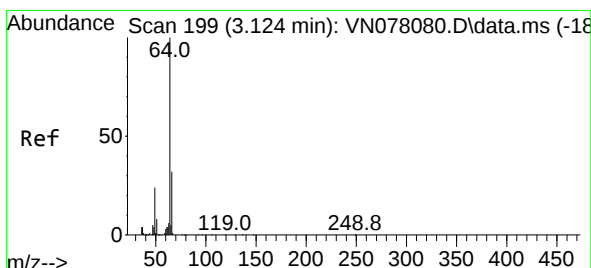
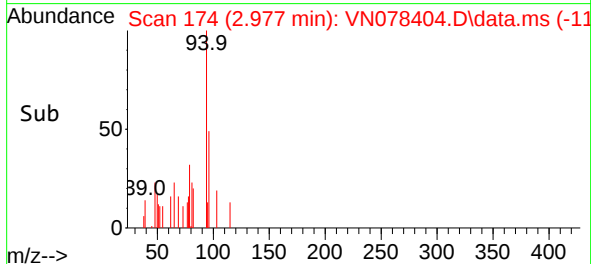
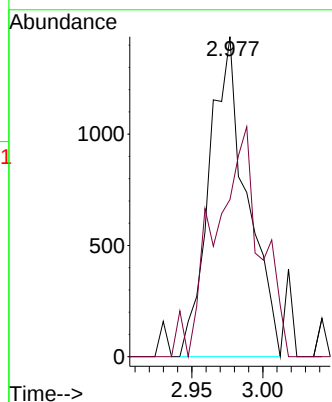
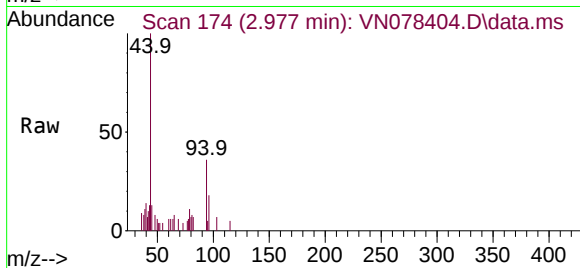




#5
Bromomethane
Concen: 0.558 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN078404.D
Acq: 26 Jun 2023 16:01

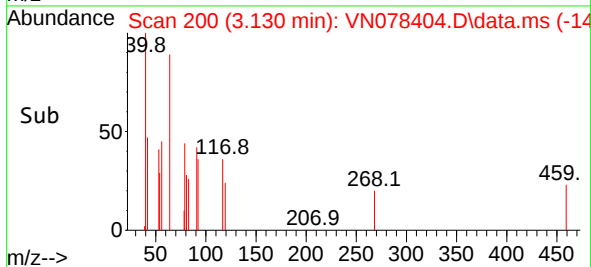
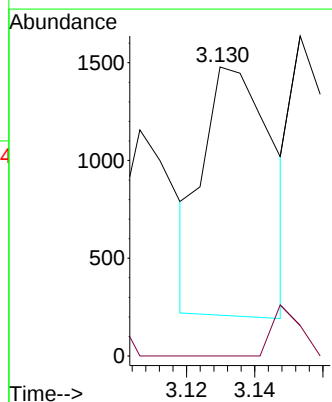
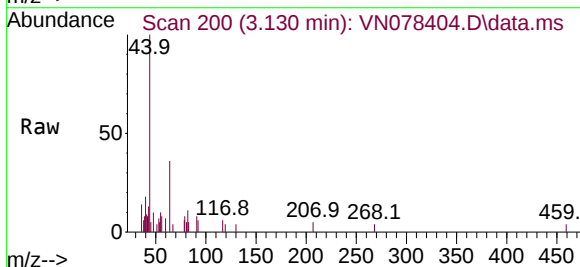
Instrument :
MSVOA_N
ClientSampleId :
TB-062123

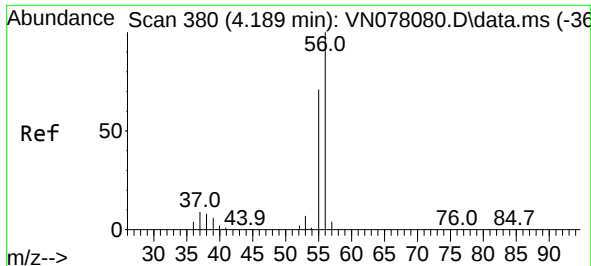
Tgt Ion: 94 Resp: 2655
Ion Ratio Lower Upper
94 100
96 34.8 73.1 109.7#



#6
Chloroethane
Concen: 0.412 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN078404.D
Acq: 26 Jun 2023 16:01

Tgt Ion: 64 Resp: 1768
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

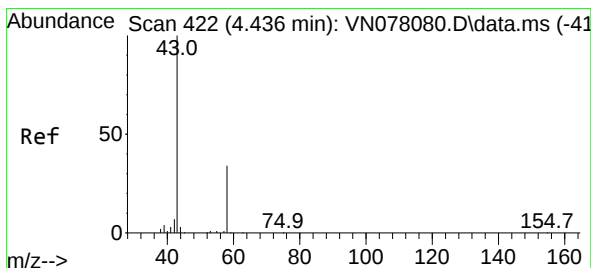
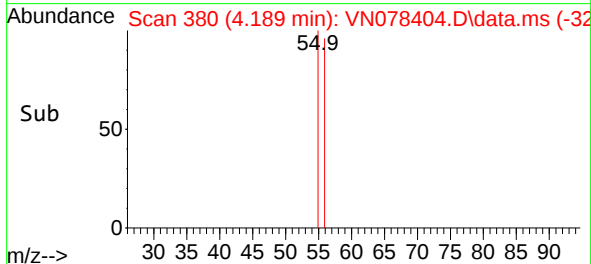
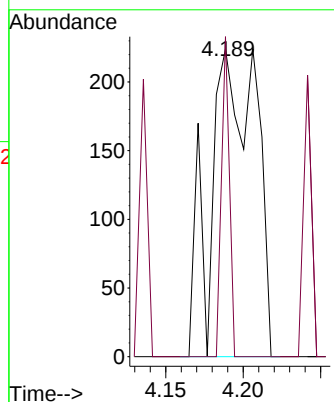
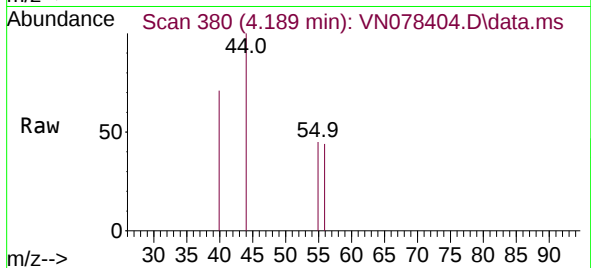




#13
Acrolein
Concen: 0.529 ug/l
RT: 4.189 min Scan# 313
Delta R.T. -0.000 min
Lab File: VN078404.D
Acq: 26 Jun 2023 16:01

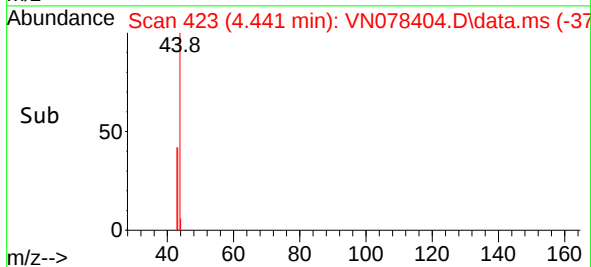
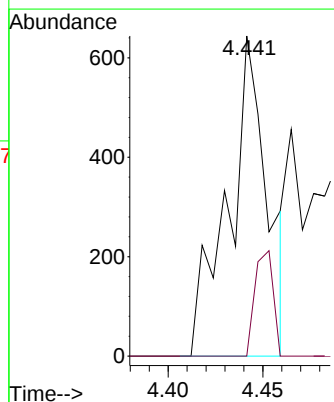
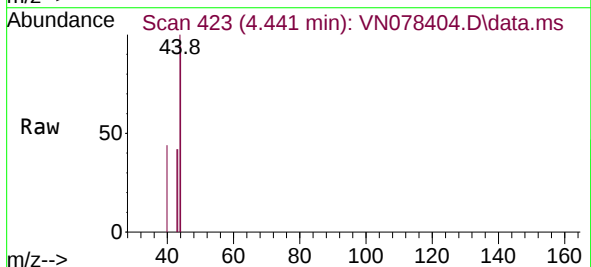
Instrument :
MSVOA_N
ClientSampleId :
TB-062123

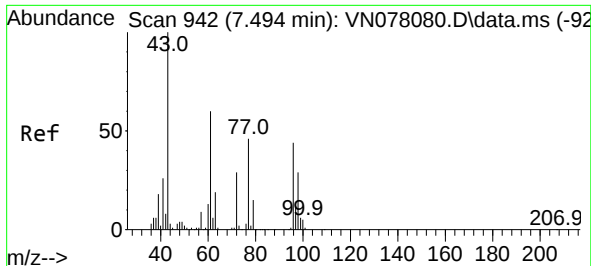
Tgt Ion: 56 Resp: 457
Ion Ratio Lower Upper
56 100
55 17.9 54.5 81.7#



#16
Acetone
Concen: 0.563 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.006 min
Lab File: VN078404.D
Acq: 26 Jun 2023 16:01

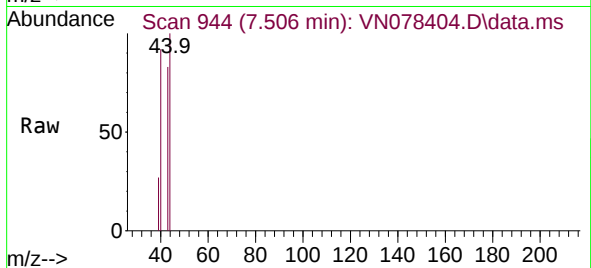
Tgt Ion: 43 Resp: 920
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



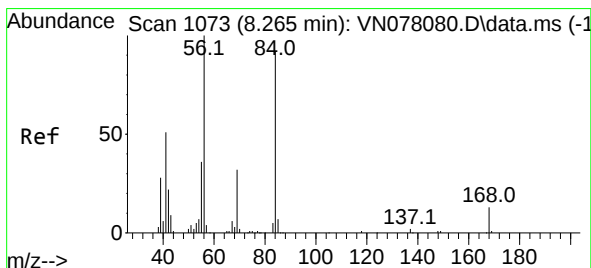
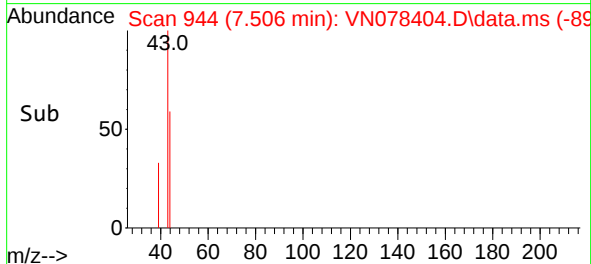
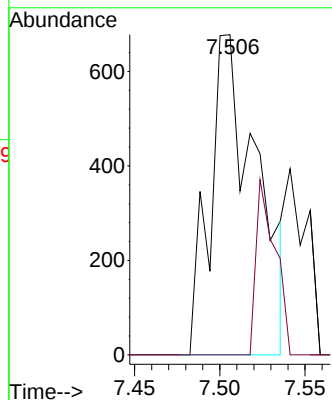


#25
2-Butanone
Concen: 0.512 ug/l
RT: 7.506 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN078404.D
Acq: 26 Jun 2023 16:01

Instrument :
MSVOA_N
ClientSampleId :
TB-062123

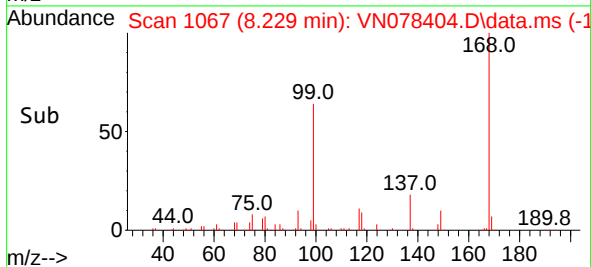
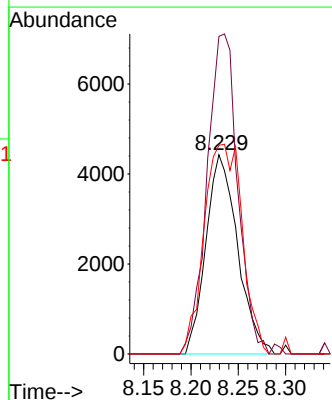
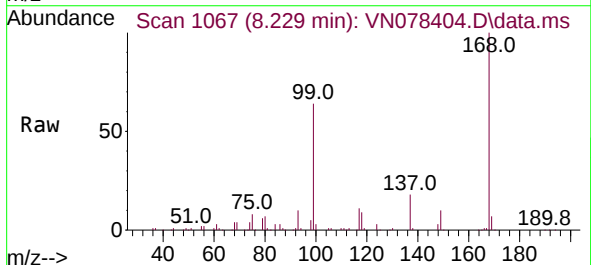


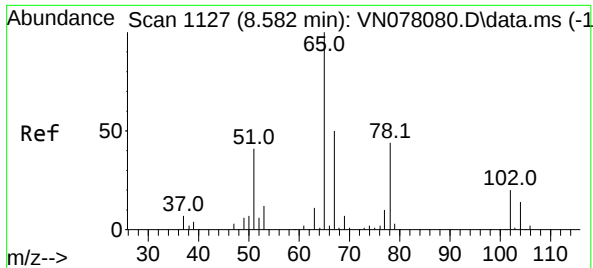
Tgt Ion: 43 Resp: 1286
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.420 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078404.D
Acq: 26 Jun 2023 16:01

Tgt Ion: 56 Resp: 10334
Ion Ratio Lower Upper
56 100
69 159.3 26.8 40.2#
84 104.7 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 52.043 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078404.D

Acq: 26 Jun 2023 16:01

Instrument :

MSVOA_N

ClientSampleId :

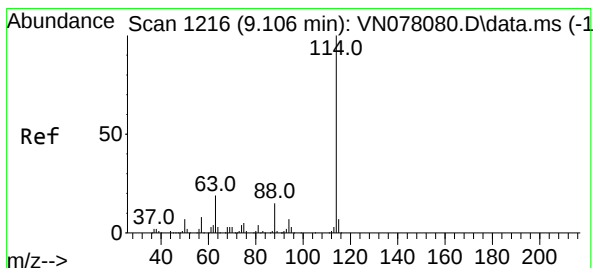
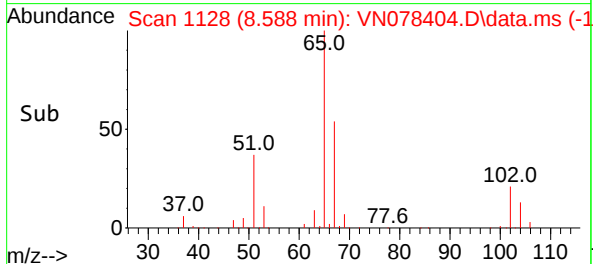
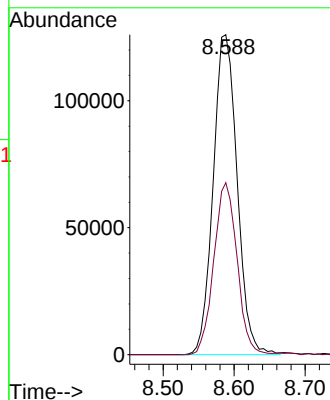
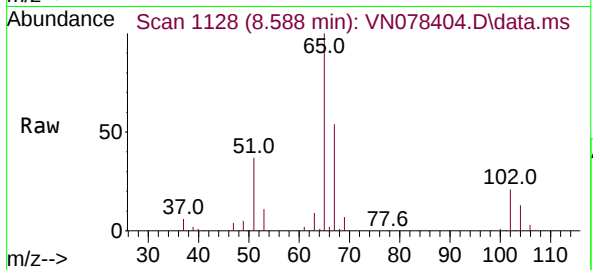
TB-062123

Tgt Ion: 65 Resp: 295202

Ion Ratio Lower Upper

65 100

67 52.0 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: VN078404.D

Acq: 26 Jun 2023 16:01

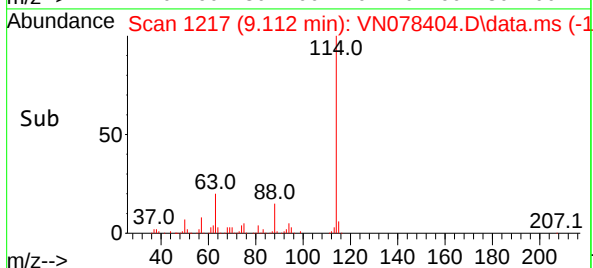
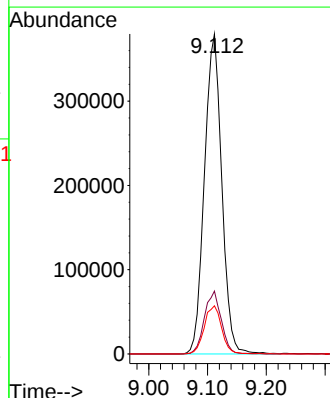
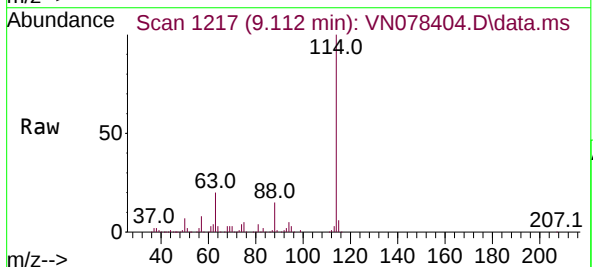
Tgt Ion: 114 Resp: 777418

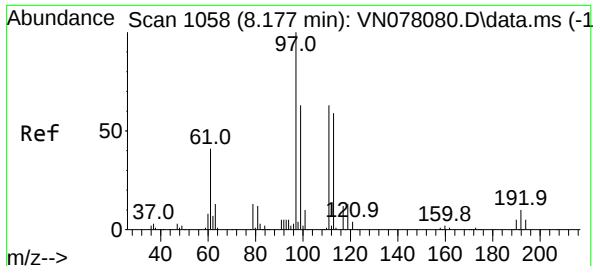
Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.4

88 15.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 56.148 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078404.D

Acq: 26 Jun 2023 16:01

Instrument :

MSVOA_N

ClientSampleId :

TB-062123

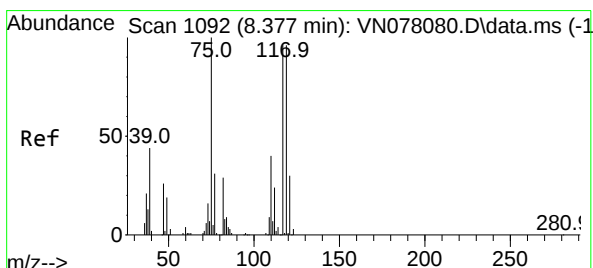
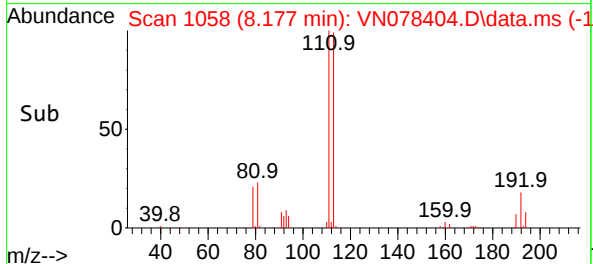
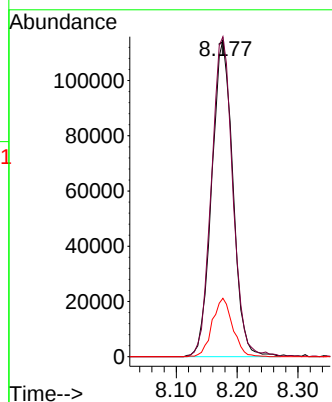
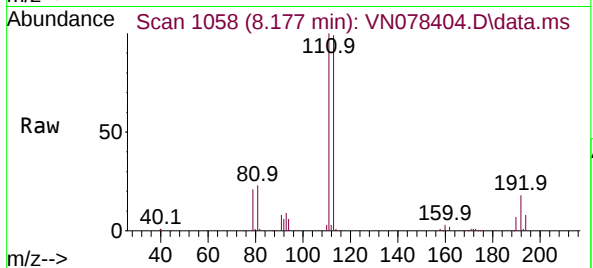
Tgt Ion:113 Resp: 275995

Ion Ratio Lower Upper

113 100

111 102.4 82.6 123.8

192 17.8 12.7 19.1



#36

1,1-Dichloropropene

Concen: 5.153 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN078404.D

Acq: 26 Jun 2023 16:01

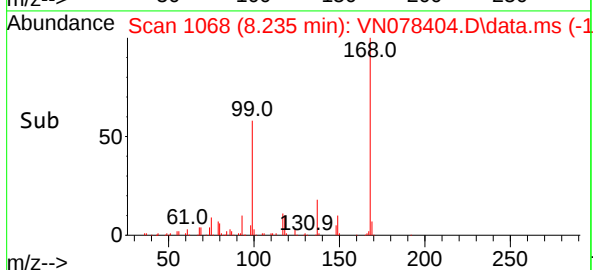
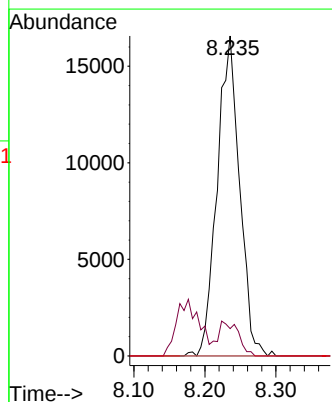
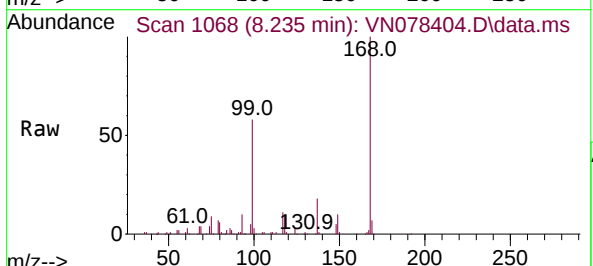
Tgt Ion: 75 Resp: 36335

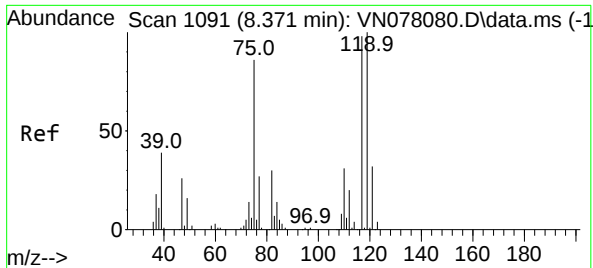
Ion Ratio Lower Upper

75 100

110 8.6 19.1 57.3#

77 0.0 25.0 37.4#

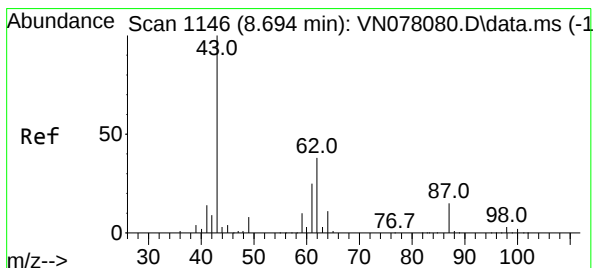
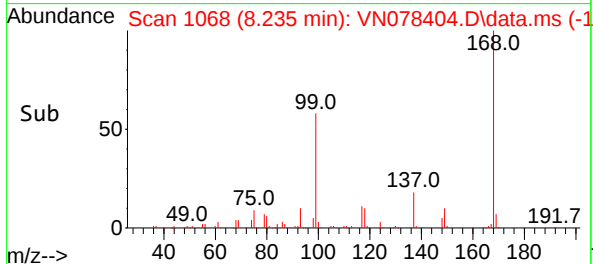
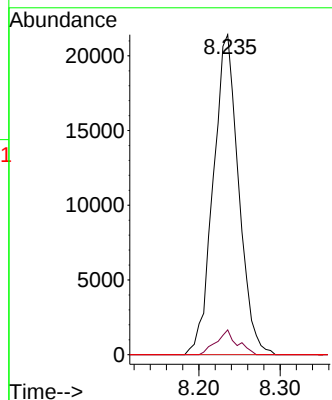
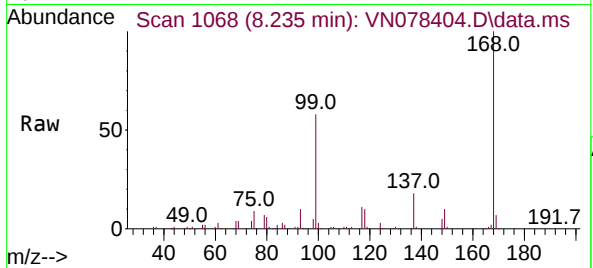




#38
Carbon Tetrachloride
Concen: 6.246 ug/l
RT: 8.235 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN078404.D
Acq: 26 Jun 2023 16:01

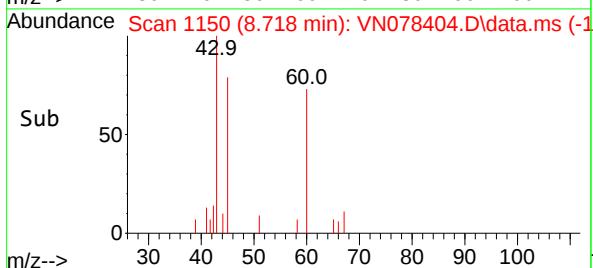
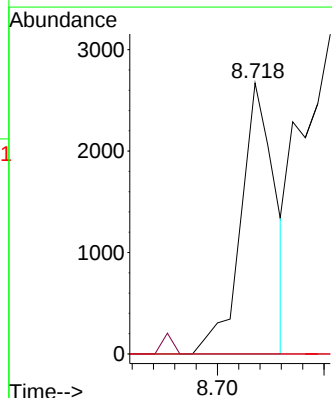
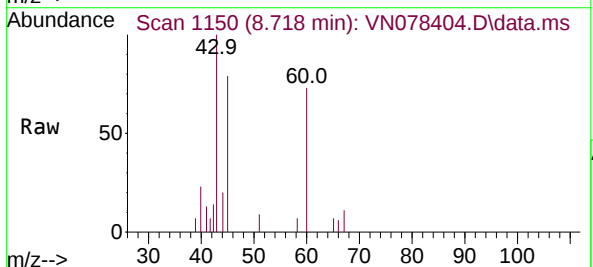
Instrument :
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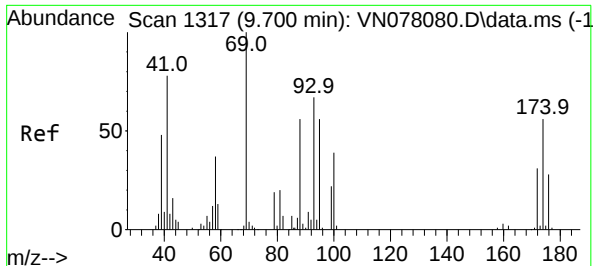
Tgt Ion:117 Resp: 46498
Ion Ratio Lower Upper
117 100
119 7.7 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.280 ug/l
RT: 8.718 min Scan# 1150
Delta R.T. 0.023 min
Lab File: VN078404.D
Acq: 26 Jun 2023 16:01

Tgt Ion: 43 Resp: 2953
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#





#49

1,4-Dioxane

Concen: 0.592 ug/l

RT: 9.706 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078404.D

Acq: 26 Jun 2023 16:01

Instrument :

MSVOA_N

ClientSampleId :

TB-062123

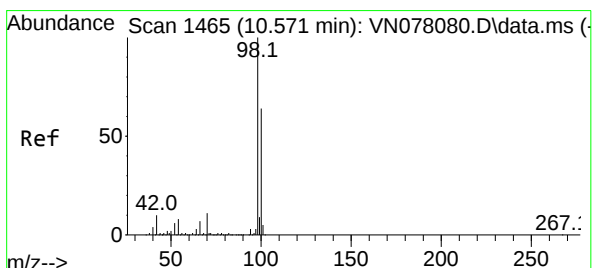
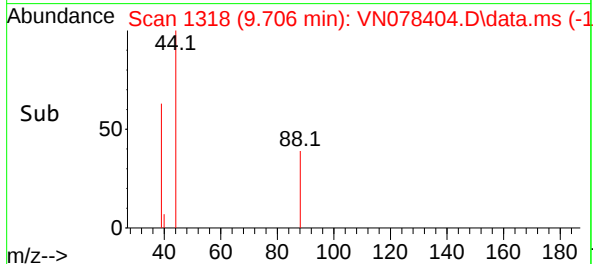
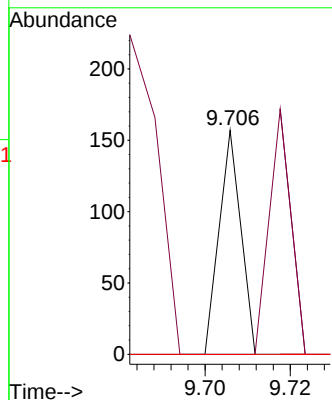
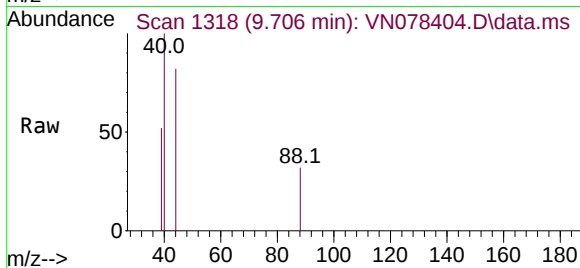
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 110.9 17.0 25.6#

58 0.0 47.0 70.4#



#50

Toluene-d8

Concen: 47.527 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078404.D

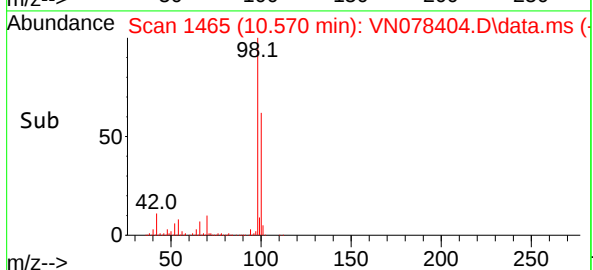
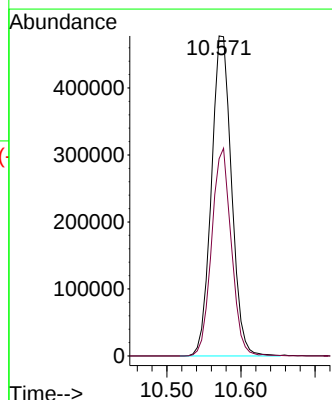
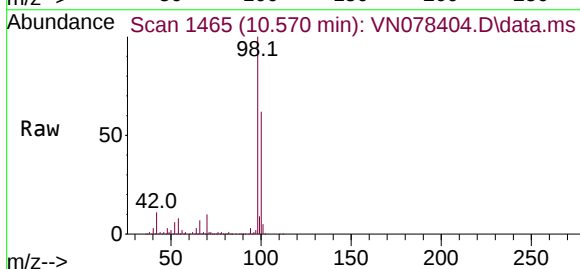
Acq: 26 Jun 2023 16:01

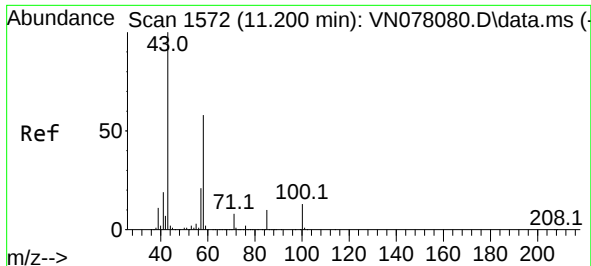
Tgt Ion: 98 Resp: 900622

Ion Ratio Lower Upper

98 100

100 63.5 52.0 78.0

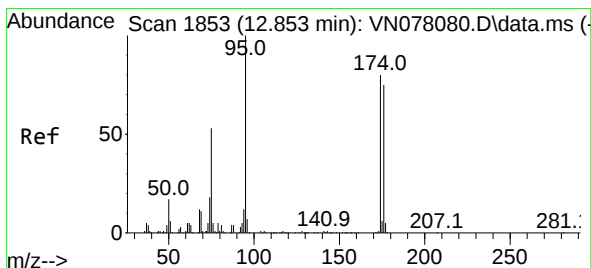
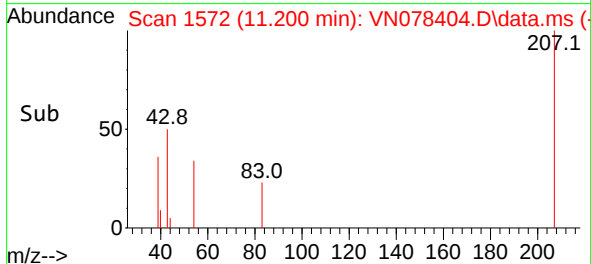
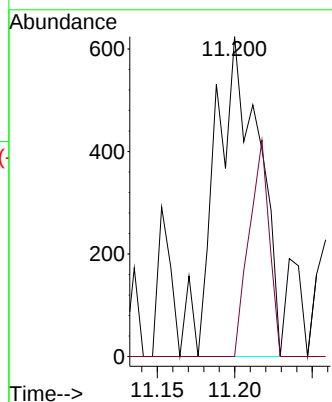
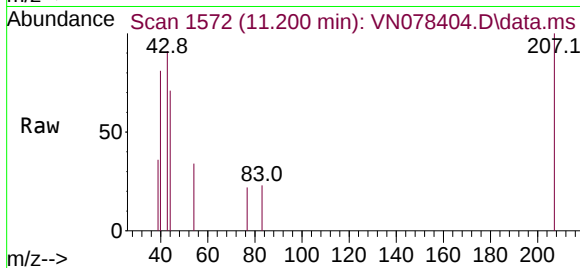




#59
2-Hexanone
Concen: 0.319 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078404.D
Acq: 26 Jun 2023 16:01

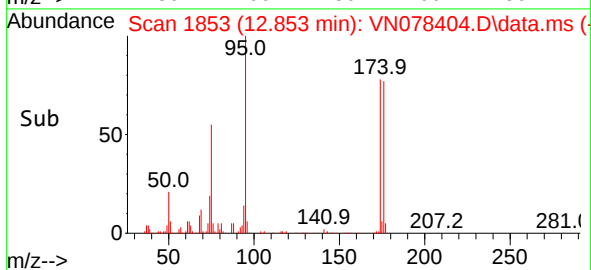
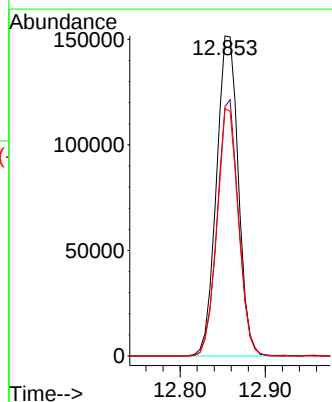
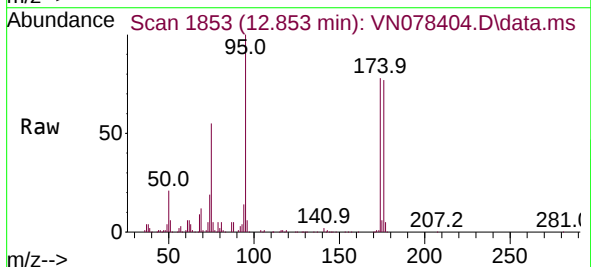
Instrument :
MSVOA_N
ClientSampleId :
TB-062123

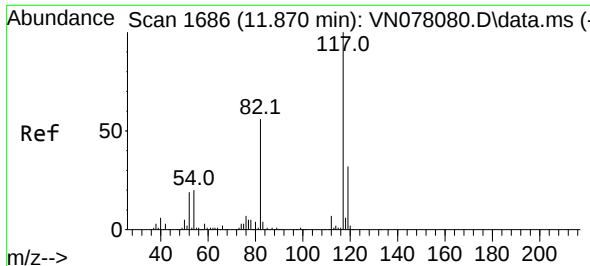
Tgt Ion: 43 Resp: 1231
Ion Ratio Lower Upper
43 100
58 30.8 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 45.887 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078404.D
Acq: 26 Jun 2023 16:01

Tgt Ion: 95 Resp: 270322
Ion Ratio Lower Upper
95 100
174 77.9 0.0 143.8
176 75.7 0.0 135.8

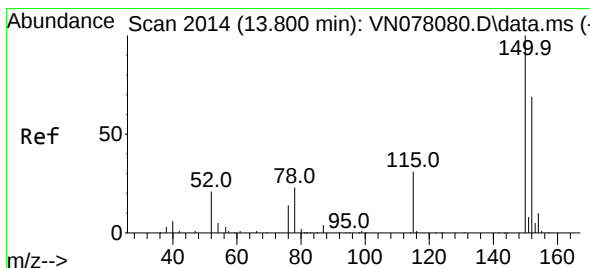
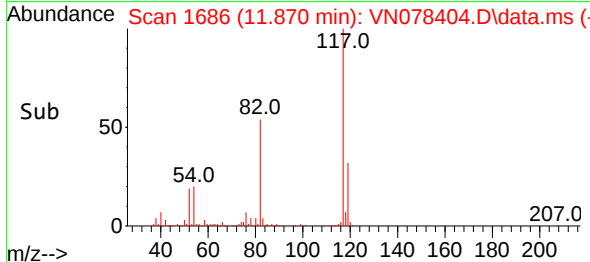
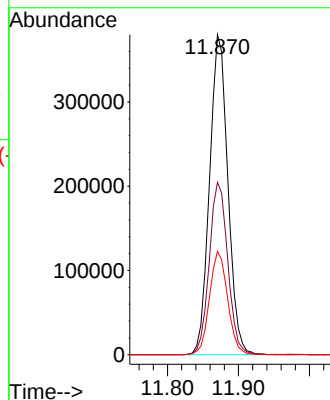
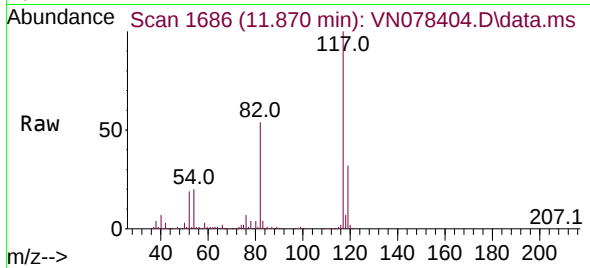




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN078404.D
Acq: 26 Jun 2023 16:01

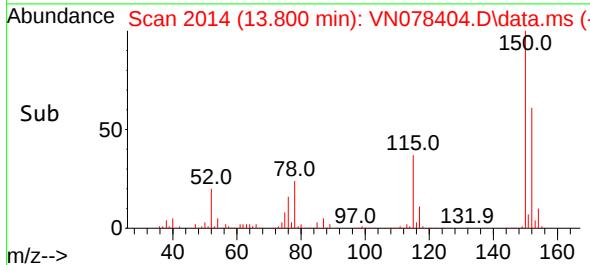
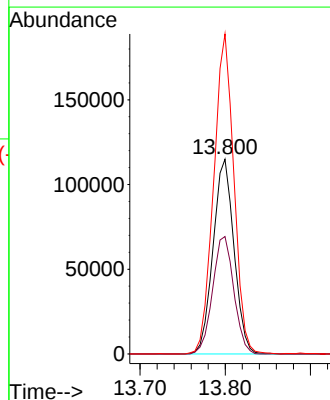
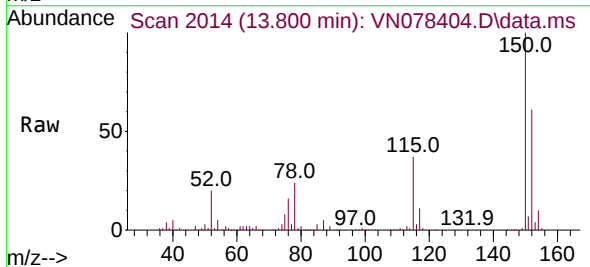
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MSVOA_N
ClientSampleId :
TB-062123

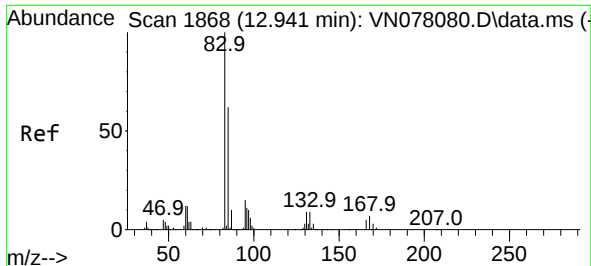
Tgt Ion:117 Resp: 680282
Ion Ratio Lower Upper
117 100
82 53.9 44.0 66.0
119 32.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078404.D
Acq: 26 Jun 2023 16:01

Tgt Ion:152 Resp: 195888
Ion Ratio Lower Upper
152 100
115 61.0 32.3 96.8
150 158.8 0.0 355.8

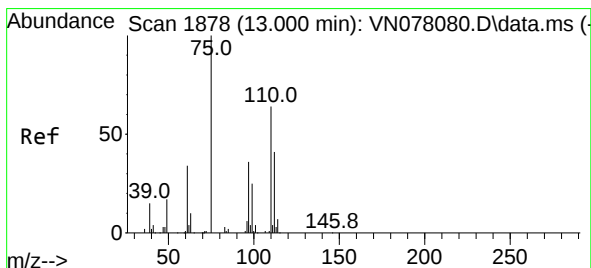
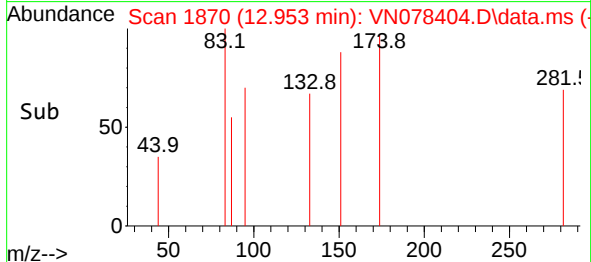
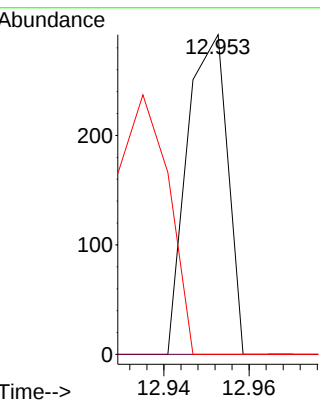
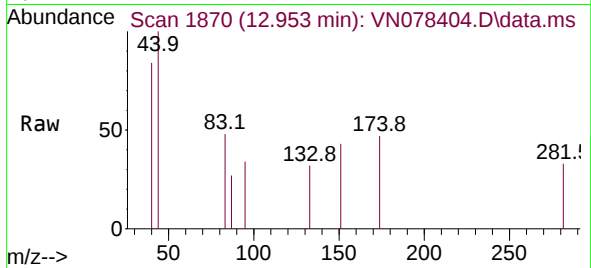




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.953 min Scan# 1853
Delta R.T. 0.012 min
Lab File: VN078404.D
Acq: 26 Jun 2023 16:01

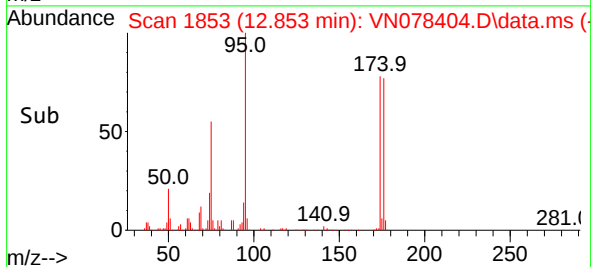
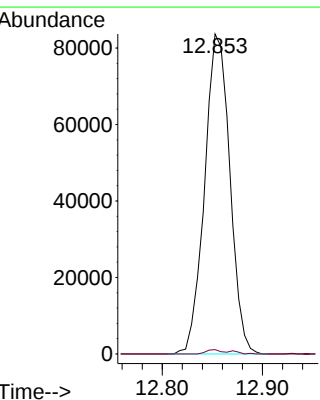
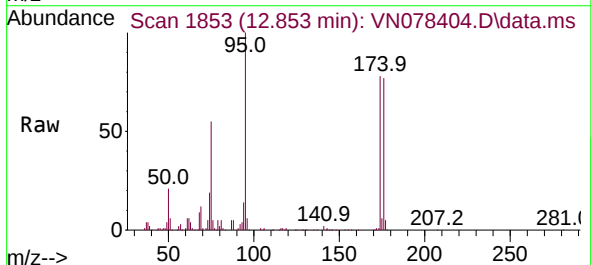
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MSVOA_N
ClientSampleId :
TB-062123

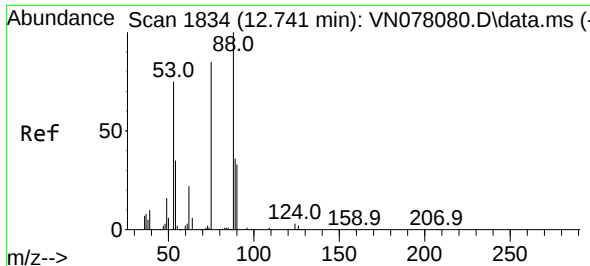
Tgt Ion: 83 Resp: 192
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 31.565 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078404.D
Acq: 26 Jun 2023 16:01

Tgt Ion: 75 Resp: 146174
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#

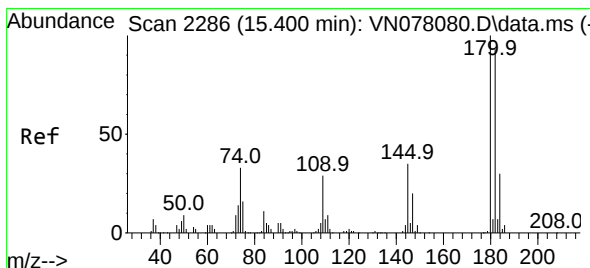
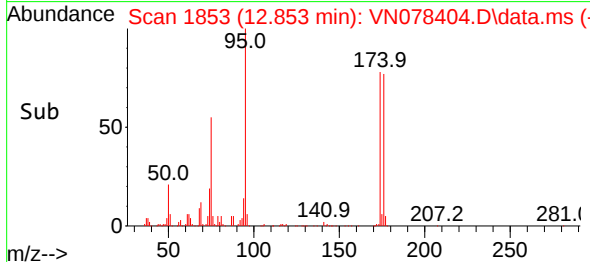
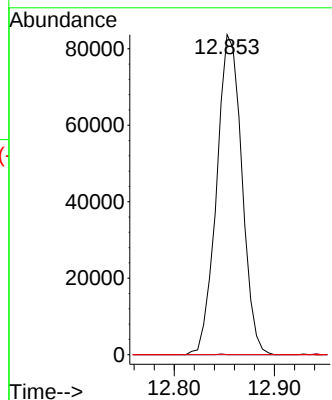
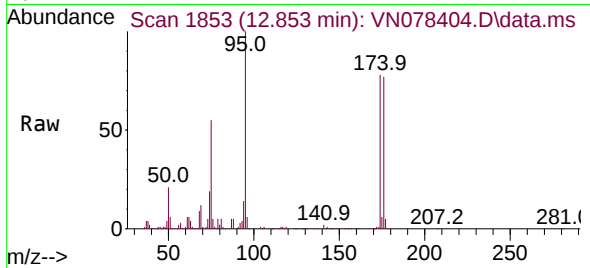




#81
trans-1,4-Dichloro-2-butene
Concen: 96.978 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078404.D
Acq: 26 Jun 2023 16:01

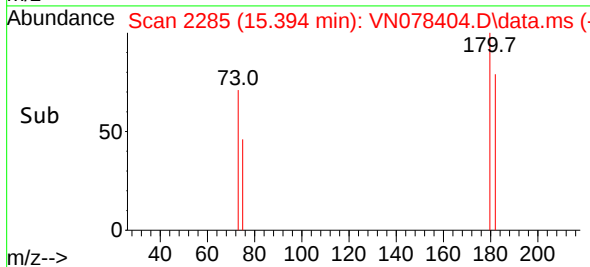
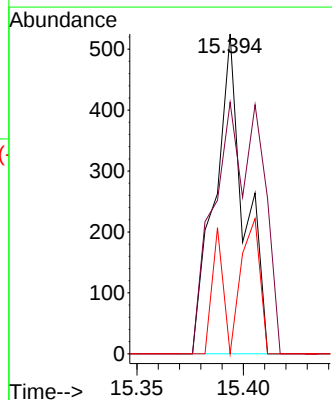
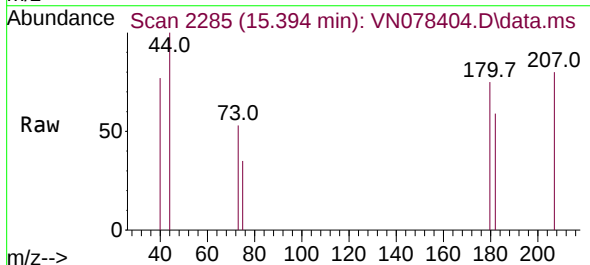
Instrument :
MSVOA_N
ClientSampleId :
TB-062123

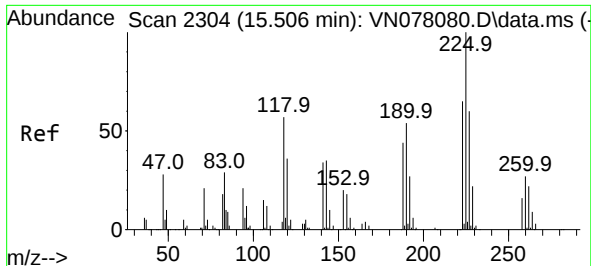
Tgt Ion: 75 Resp: 146174
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.201 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. -0.006 min
Lab File: VN078404.D
Acq: 26 Jun 2023 16:01

Tgt Ion:180 Resp: 508
Ion Ratio Lower Upper
180 100
182 125.2 46.1 138.2
145 14.4 16.6 49.8#

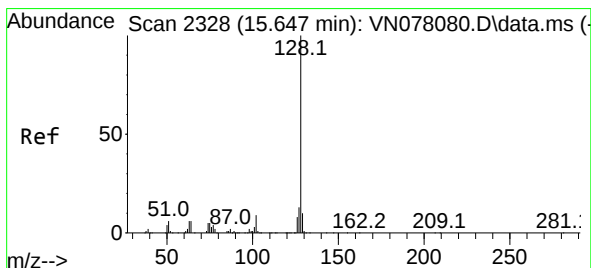
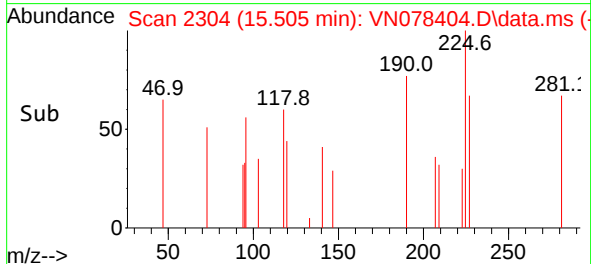
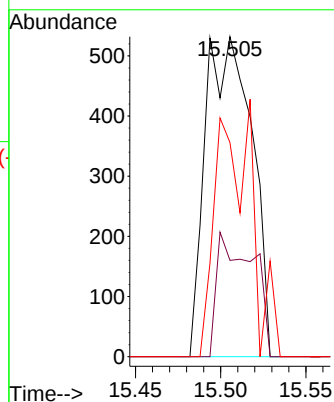
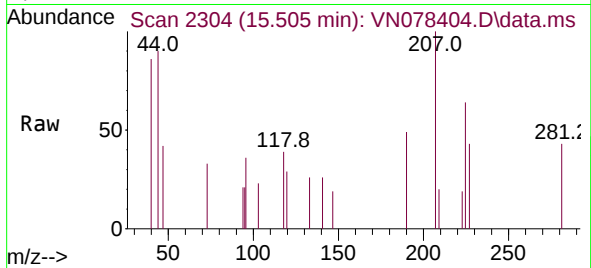




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.505 min Scan# 21
Delta R.T. -0.001 min
Lab File: VN078404.D
Acq: 26 Jun 2023 16:01

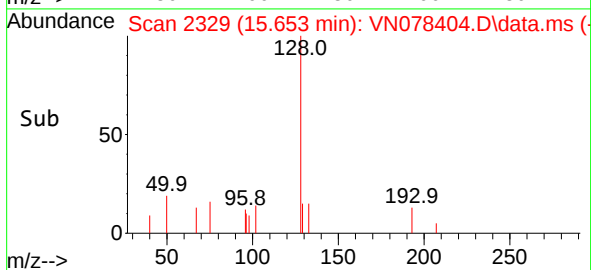
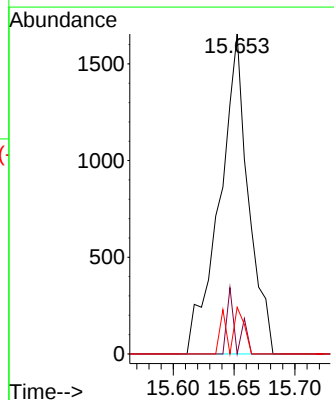
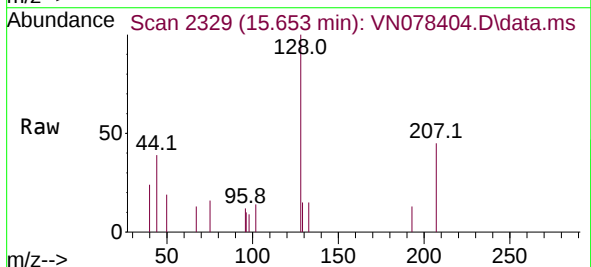
Instrument :
MSVOA_N
ClientSampleId :
TB-062123

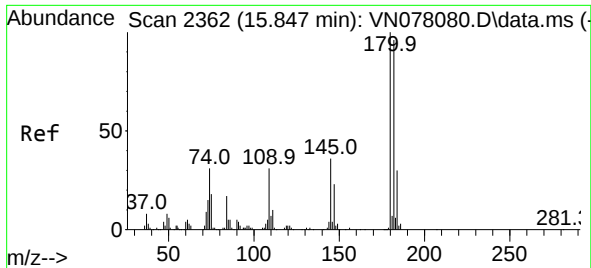
Tgt Ion:225 Resp: 1008
Ion Ratio Lower Upper
225 100
223 30.1 31.3 93.8#
227 60.7 31.9 95.9



#95
Naphthalene
Concen: 0.319 ug/l
RT: 15.653 min Scan# 2329
Delta R.T. 0.006 min
Lab File: VN078404.D
Acq: 26 Jun 2023 16:01

Tgt Ion:128 Resp: 2714
Ion Ratio Lower Upper
128 100
127 6.9 10.0 15.0#
129 5.1 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.274 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN078404.D
 Acq: 26 Jun 2023 16:01

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-062123

Tgt Ion:180 Resp: 777
 Ion Ratio Lower Upper
 180 100
 182 105.4 46.2 138.6
 145 7.6 17.5 52.6#

