

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062623\
 Data File : VN078408.D
 Acq On : 26 Jun 2023 17:37
 Operator : JC\MD
 Sample : 03417-03 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1622

Quant Time: Jun 27 02:19:13 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	8.236	168	412971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	771250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	689400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	208779	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	287083	52.138	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.280%	
35) Dibromofluoromethane	8.171	113	275163	56.426	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 112.860%	
50) Toluene-d8	10.577	98	888763	47.276	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.560%	
62) 4-Bromofluorobenzene	12.853	95	281243	48.123	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.240%	

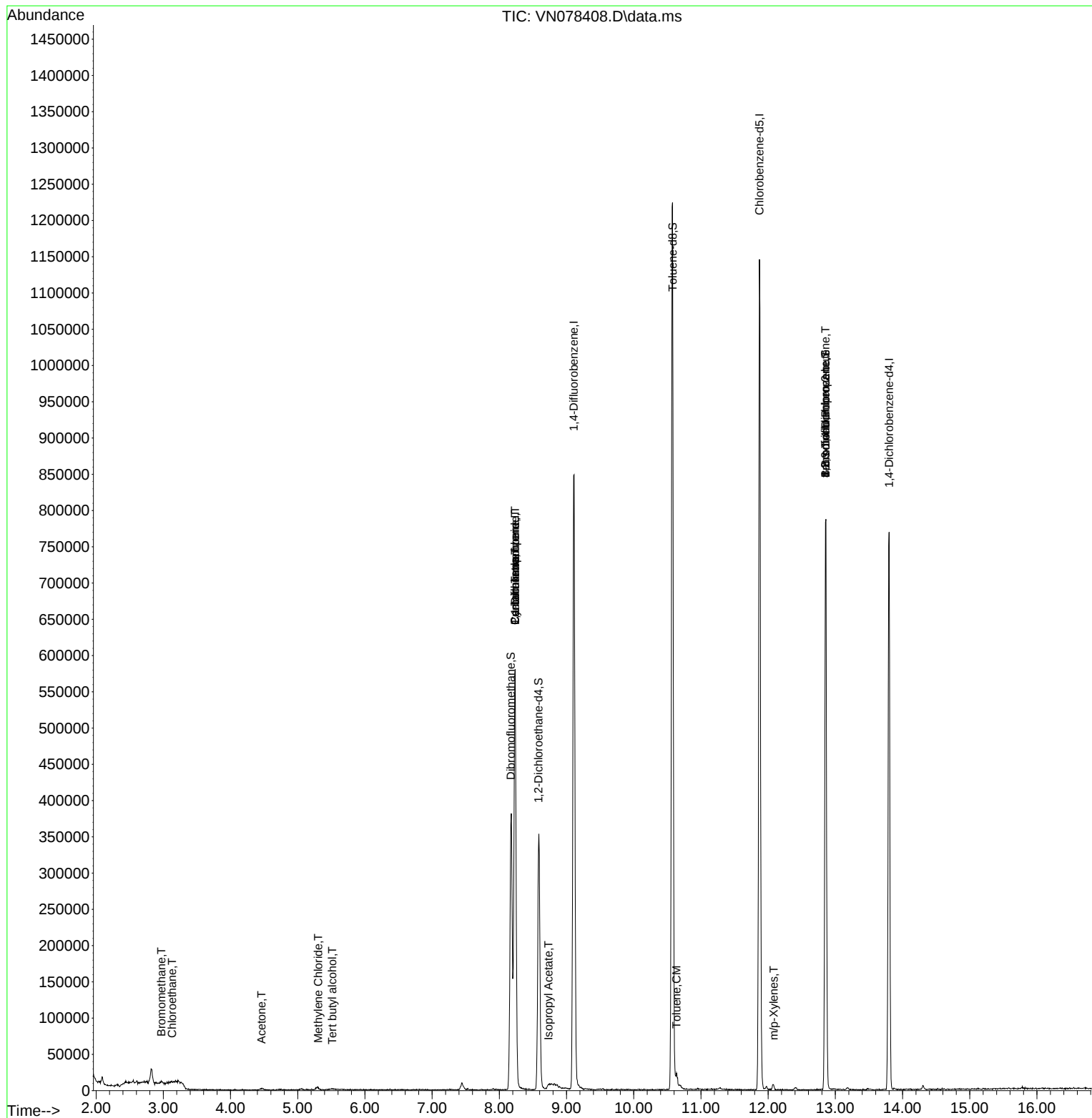
Target Compounds			Qvalue			
3) Chloromethane	2.371	50	1329	Below Cal	93	
5) Bromomethane	2.971	94	2025	0.438 ug/l #	68	
6) Chloroethane	3.130	64	1976	0.474 ug/l #	44	
11) Tert butyl alcohol	5.512	59	1040	1.368 ug/l #	72	
16) Acetone	4.459	43	4602	2.904 ug/l	93	
20) Methylene Chloride	5.306	84	2480	0.474 ug/l #	93	
31) Cyclohexane	8.236	56	9495	1.344 ug/l #	1	
36) 1,1-Dichloropropene	8.236	75	35983	5.144 ug/l #	45	
38) Carbon Tetrachloride	8.236	117	46059	6.236 ug/l #	15	
43) Isopropyl Acetate	8.730	43	4729	0.453 ug/l #	49	
52) Toluene	10.635	92	8479	0.643 ug/l	82	
68) m/p-Xylenes	12.082	106	2508	0.258 ug/l	85	
71) Bromoform	12.853	173	2561	0.731 ug/l #	1	
75) 1,1,2,2-Tetrachloroethane	12.888	83	66	Below Cal #	26	
76) 1,2,3-Trichloropropane	12.853	75	150677	30.529 ug/l #	1	
81) trans-1,4-Dichloro-2-b...	12.853	75	150677	93.793 ug/l #	15	
94) Hexachlorobutadiene	15.506	225	68	Below Cal #	19	

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

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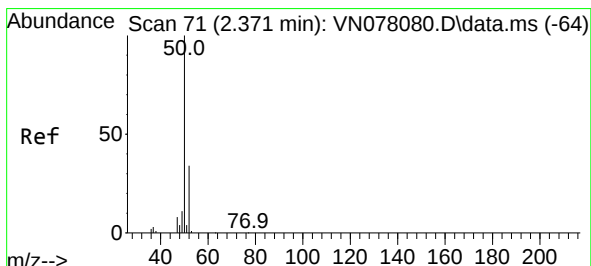
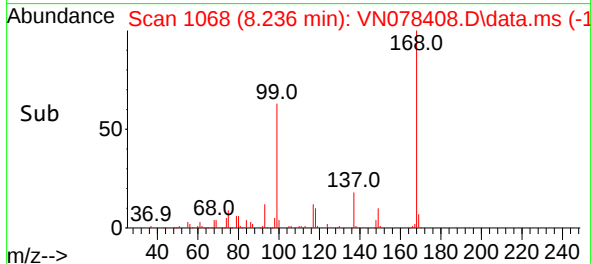
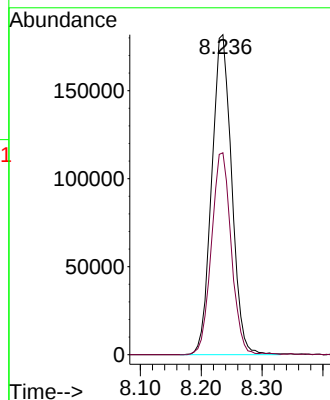
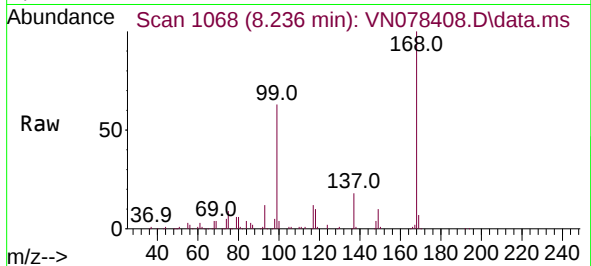




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. 0.001 min
Lab File: VN078408.D
Acq: 26 Jun 2023 17:37

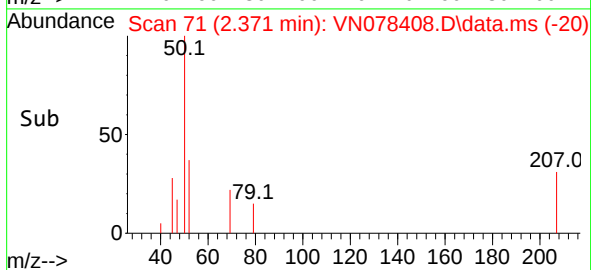
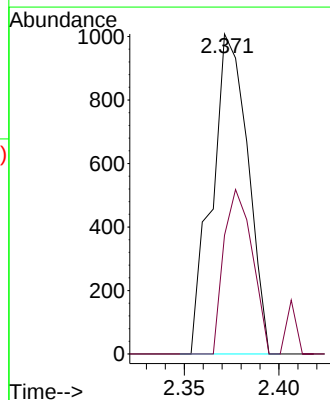
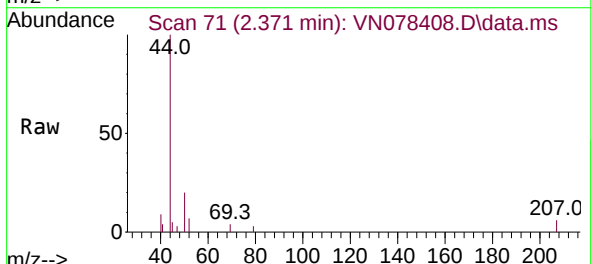
Instrument :
MSVOA_N
ClientSampleId :
1622

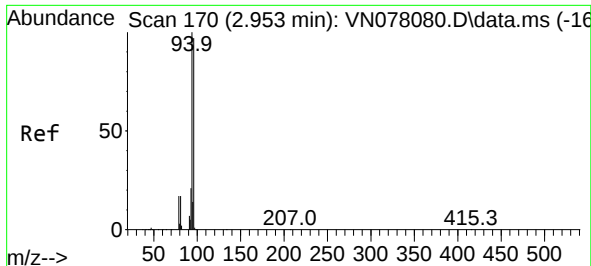
Tgt Ion:168 Resp: 412971
Ion Ratio Lower Upper
168 100
99 63.1 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078408.D
Acq: 26 Jun 2023 17:37

Tgt Ion: 50 Resp: 1329
Ion Ratio Lower Upper
50 100
52 37.1 26.5 39.7

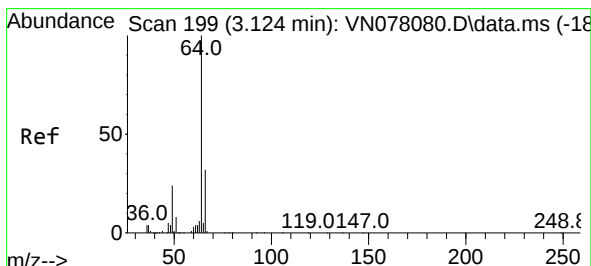
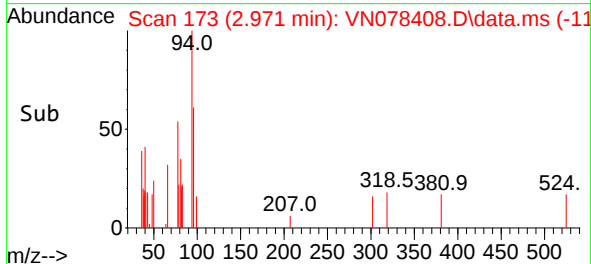
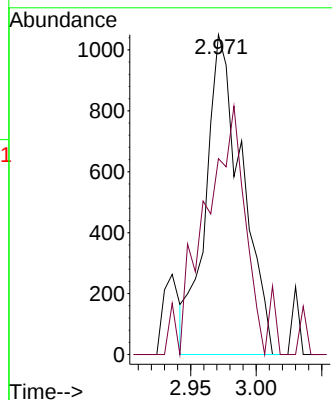
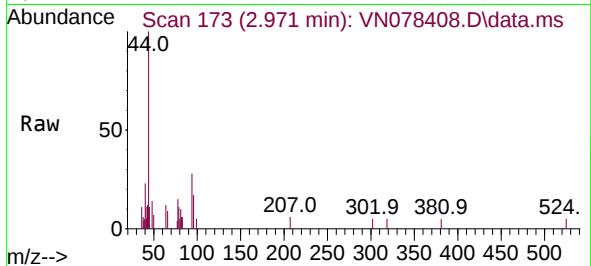




#5
Bromomethane
Concen: 0.438 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN078408.D
Acq: 26 Jun 2023 17:37

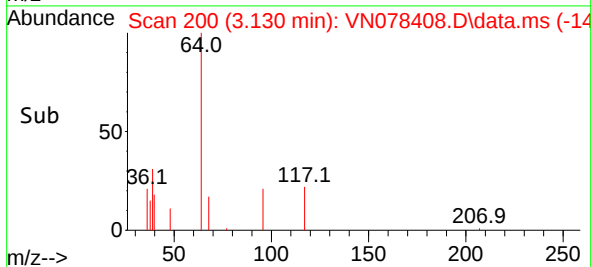
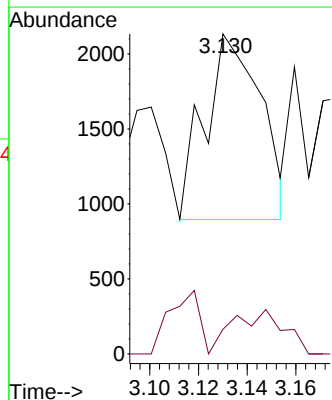
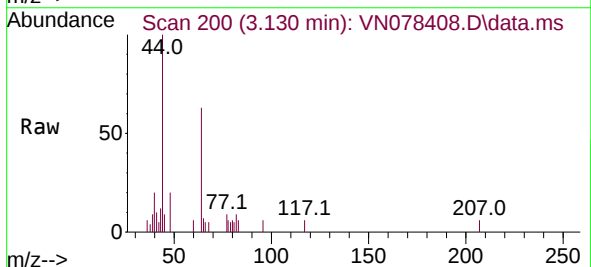
Instrument :
MSVOA_N
ClientSampleId :
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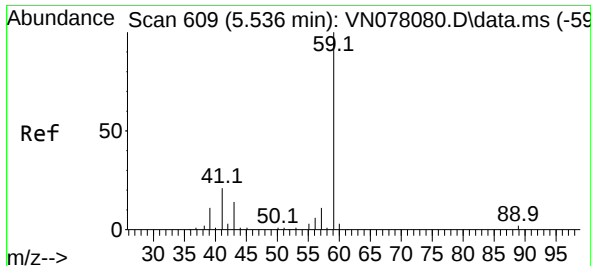
Tgt Ion: 94 Resp: 2025
Ion Ratio Lower Upper
94 100
96 61.2 73.1 109.7#



#6
Chloroethane
Concen: 0.474 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN078408.D
Acq: 26 Jun 2023 17:37

Tgt Ion: 64 Resp: 1976
Ion Ratio Lower Upper
64 100
66 0.6 25.4 38.2#

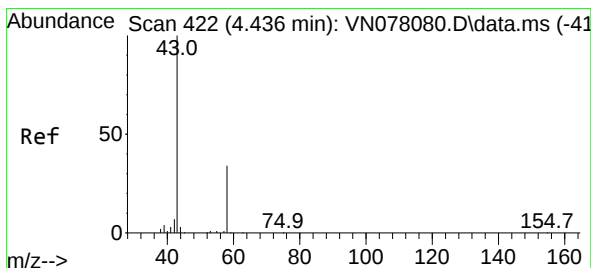
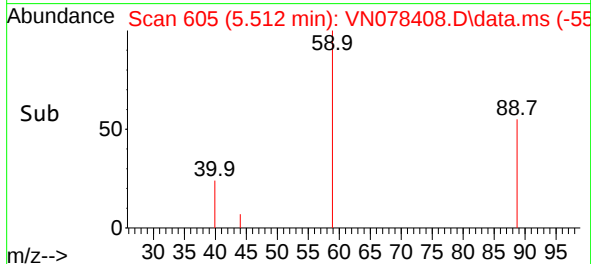
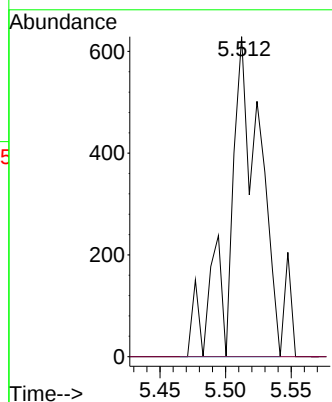
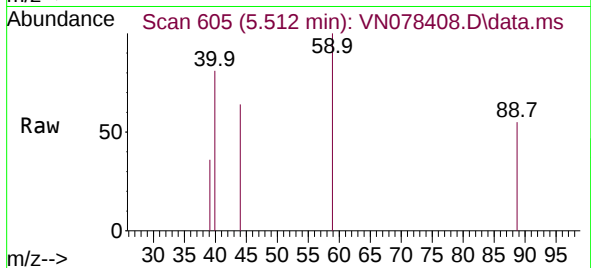




#11
Tert butyl alcohol
Concen: 1.368 ug/l
RT: 5.512 min Scan# 609
Delta R.T. -0.023 min
Lab File: VN078408.D
Acq: 26 Jun 2023 17:37

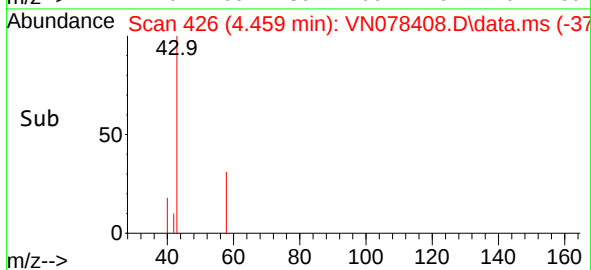
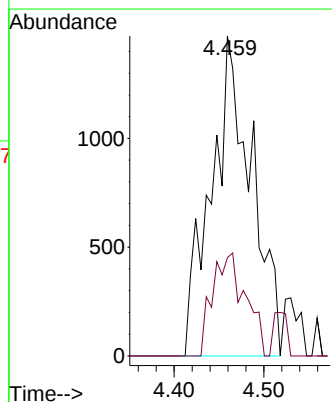
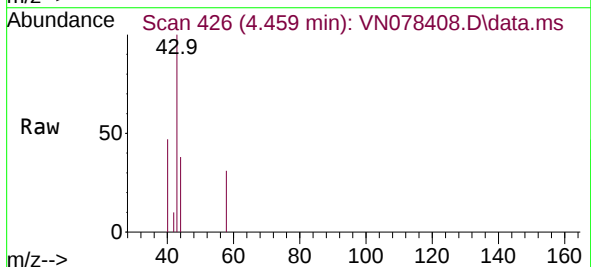
Instrument :
MSVOA_N
ClientSampleId :
1622

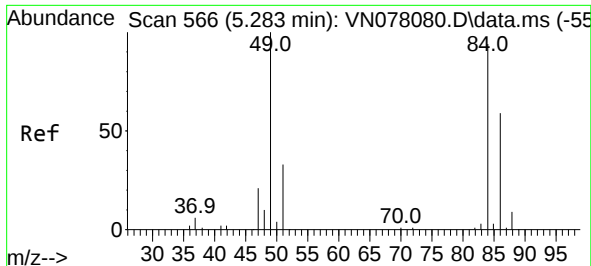
Tgt Ion: 59 Resp: 1040
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 2.904 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.024 min
Lab File: VN078408.D
Acq: 26 Jun 2023 17:37

Tgt Ion: 43 Resp: 4602
Ion Ratio Lower Upper
43 100
58 30.7 28.0 42.0

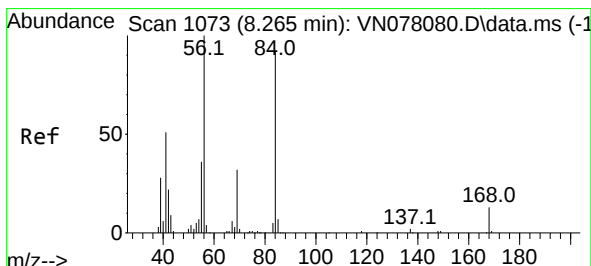
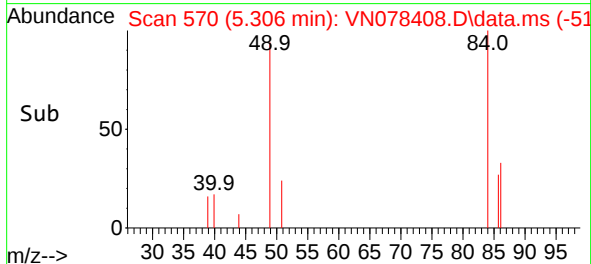
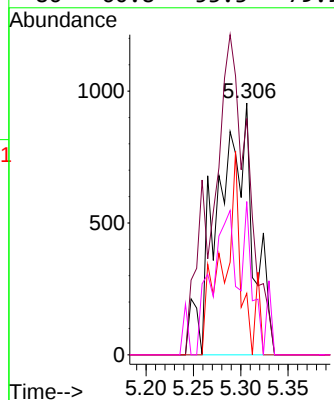
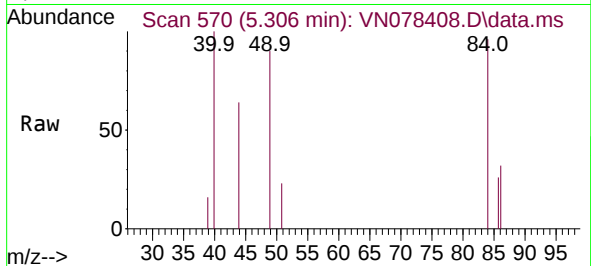




#20
Methylene Chloride
Concen: 0.474 ug/l
RT: 5.306 min Scan# 51
Delta R.T. 0.024 min
Lab File: VN078408.D
Acq: 26 Jun 2023 17:37

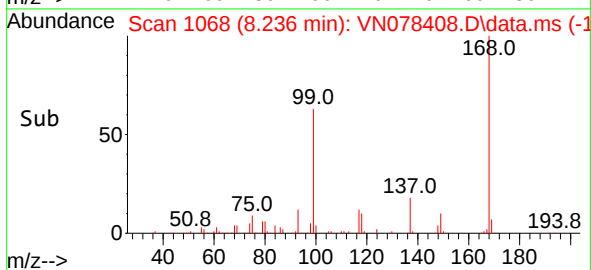
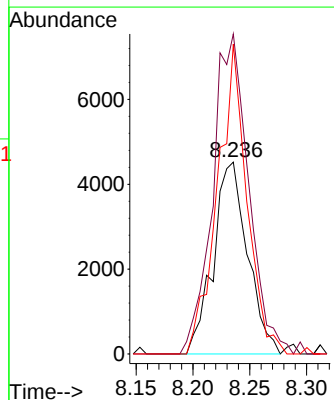
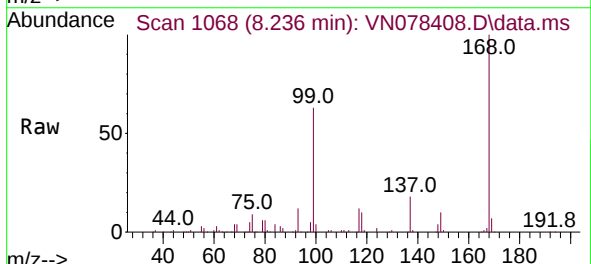
Instrument :
MSVOA_N
ClientSampleId :
1622

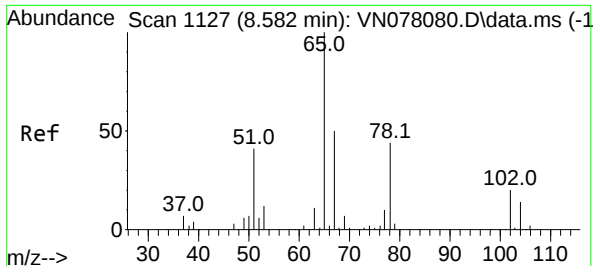
Tgt Ion: 84	Resp: 2480
Ion Ratio	Lower Upper
84 100	
49 93.8	79.7 119.5
51 24.4	25.2 37.8#
86 60.8	53.3 79.9



#31
Cyclohexane
Concen: 1.344 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078408.D
Acq: 26 Jun 2023 17:37

Tgt Ion: 56	Resp:	9495	
Ion	Ratio	Lower	Upper
56	100		
69	166.8	26.8	40.2#
84	161.6	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 52.138 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN078408.D

Acq: 26 Jun 2023 17:37

Instrument :

MSVOA_N

ClientSampleId :

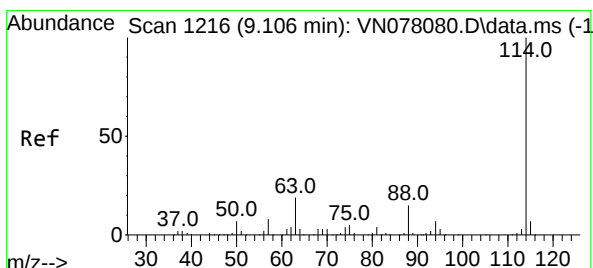
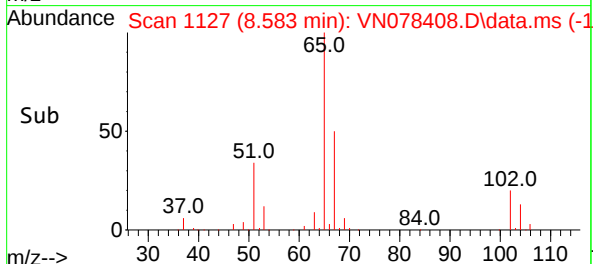
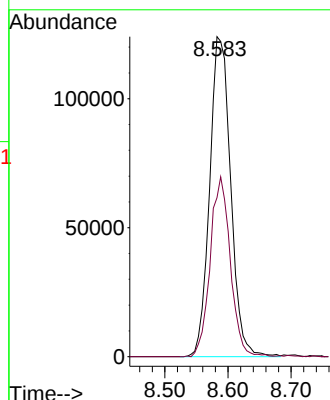
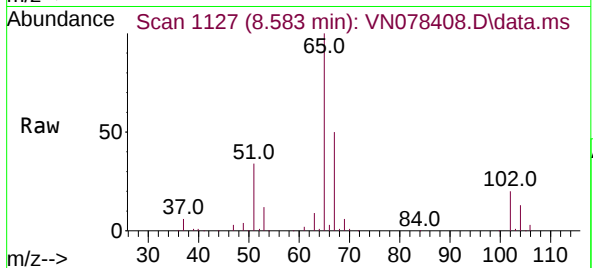
1622

Tgt Ion: 65 Resp: 287083

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN078408.D

Acq: 26 Jun 2023 17:37

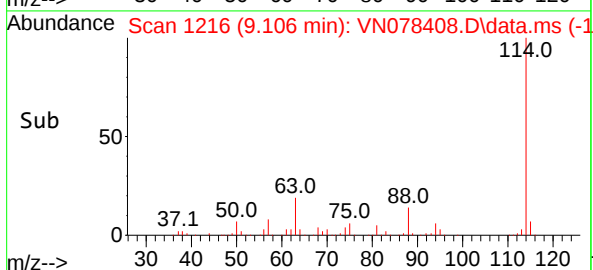
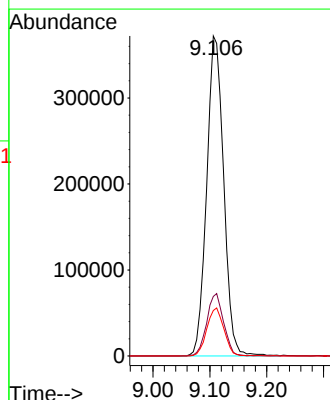
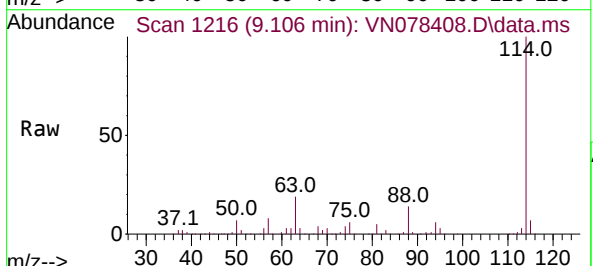
Tgt Ion: 114 Resp: 771250

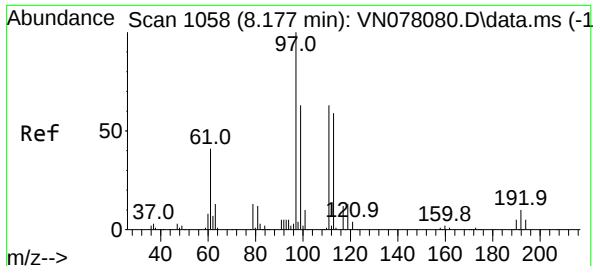
Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.4

88 14.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 56.426 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN078408.D

Acq: 26 Jun 2023 17:37

Instrument :

MSVOA_N

ClientSampleId :

1622

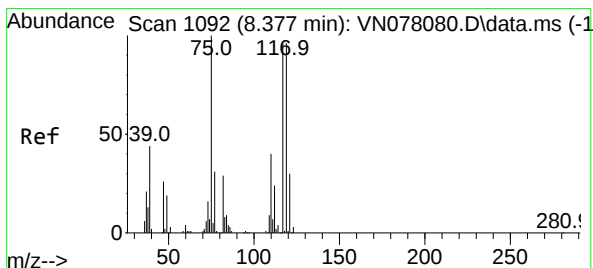
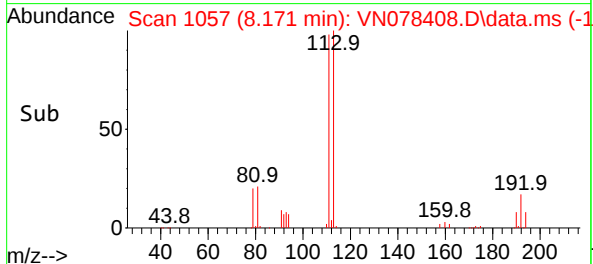
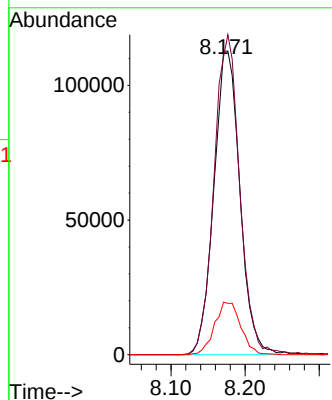
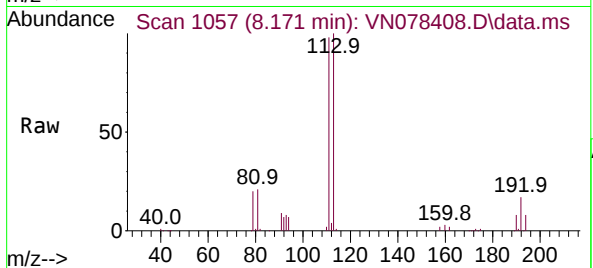
Tgt Ion:113 Resp: 275163

Ion Ratio Lower Upper

113 100

111 103.8 82.6 123.8

192 17.3 12.7 19.1



#36

1,1-Dichloropropene

Concen: 5.144 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN078408.D

Acq: 26 Jun 2023 17:37

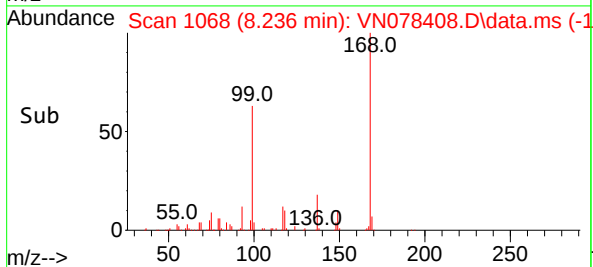
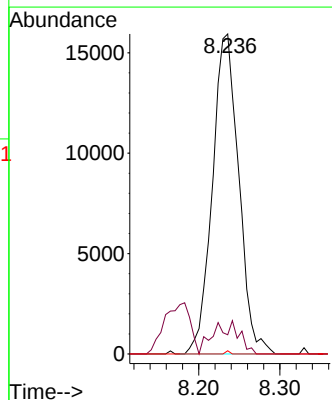
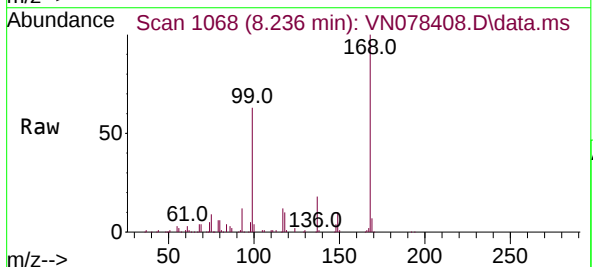
Tgt Ion: 75 Resp: 35983

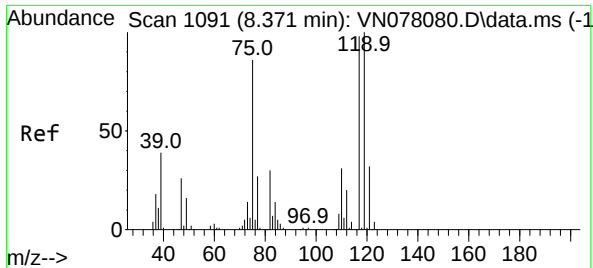
Ion Ratio Lower Upper

75 100

110 5.9 19.1 57.3#

77 0.2 25.0 37.4#

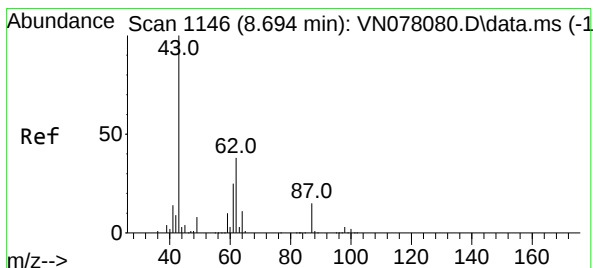
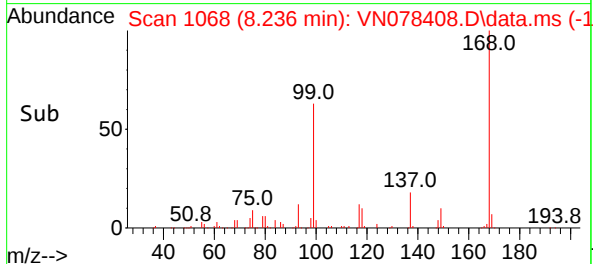
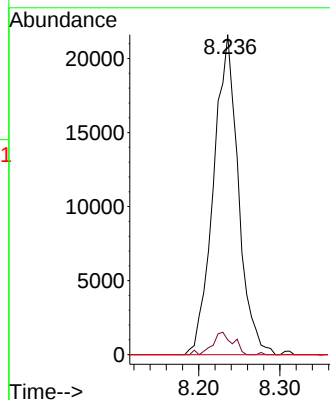
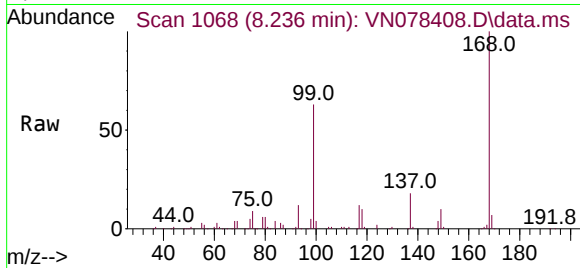




#38
Carbon Tetrachloride
Concen: 6.236 ug/l
RT: 8.236 min Scan# 1102
Delta R.T. -0.135 min
Lab File: VN078408.D
Acq: 26 Jun 2023 17:37

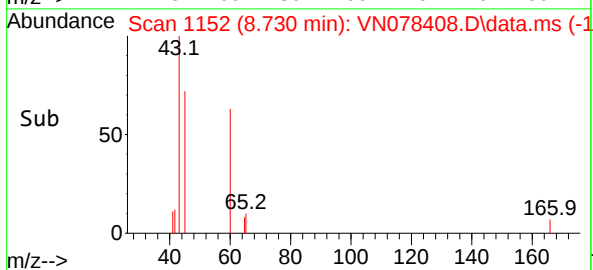
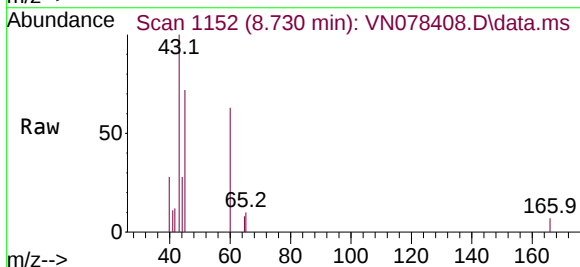
Instrument :
MSVOA_N
ClientSampleId :
1622

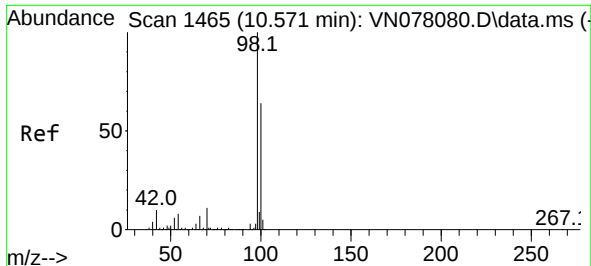
Tgt Ion:117 Resp: 46059
Ion Ratio Lower Upper
117 100
119 4.6 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.453 ug/l
RT: 8.730 min Scan# 1152
Delta R.T. 0.035 min
Lab File: VN078408.D
Acq: 26 Jun 2023 17:37

Tgt Ion: 43 Resp: 4729
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

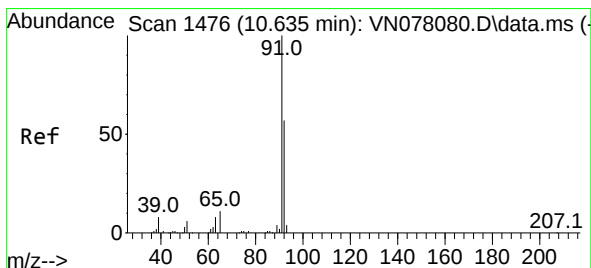
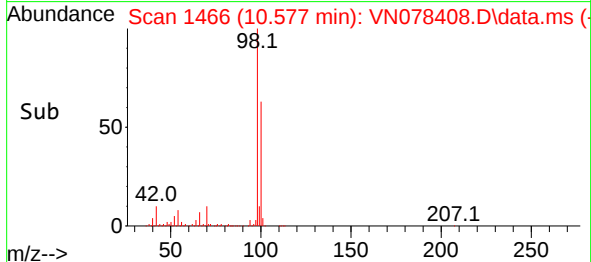
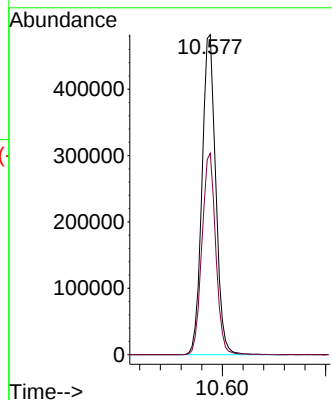
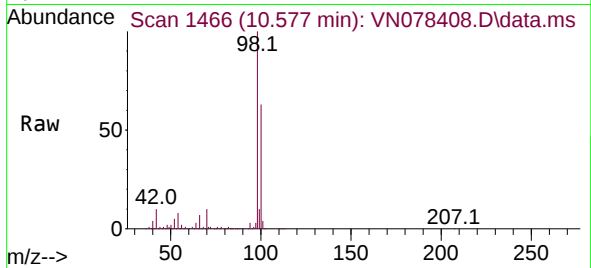




#50
Toluene-d8
Concen: 47.276 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078408.D
Acq: 26 Jun 2023 17:37

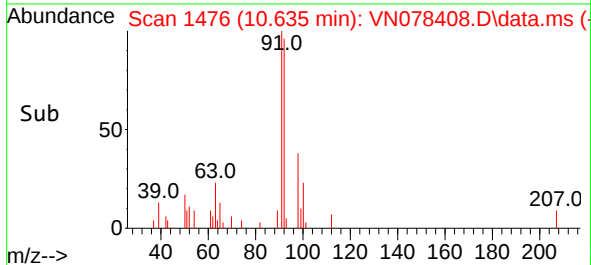
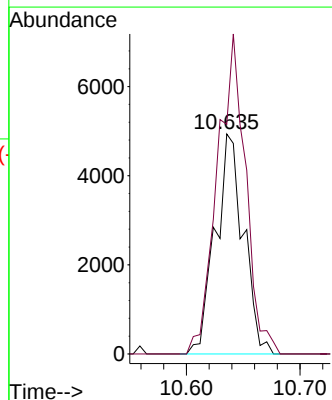
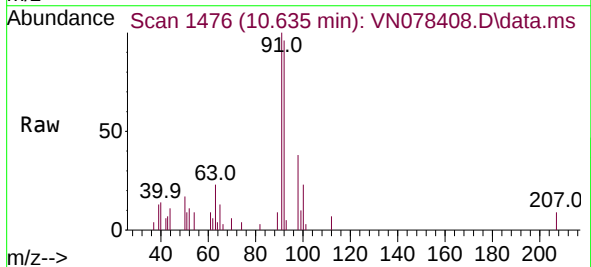
Instrument :
MSVOA_N
ClientSampleId :
1622

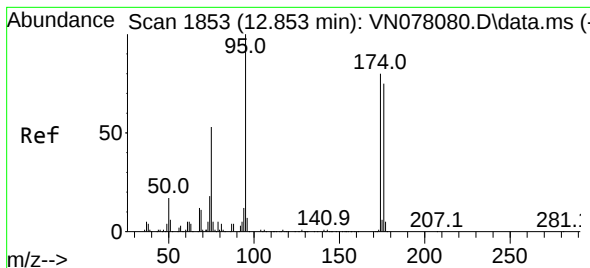
Tgt Ion: 98 Resp: 888763
Ion Ratio Lower Upper
98 100
100 63.1 52.0 78.0



#52
Toluene
Concen: 0.643 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078408.D
Acq: 26 Jun 2023 17:37

Tgt Ion: 92 Resp: 8479
Ion Ratio Lower Upper
92 100
91 146.7 137.4 206.0

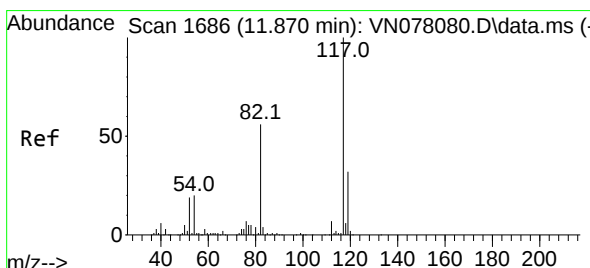
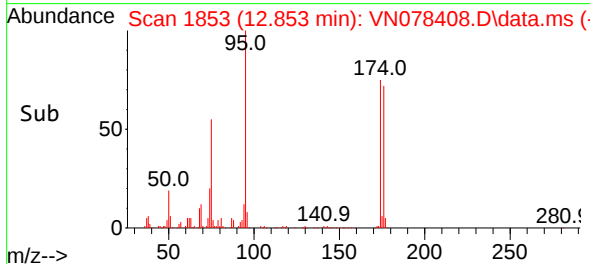
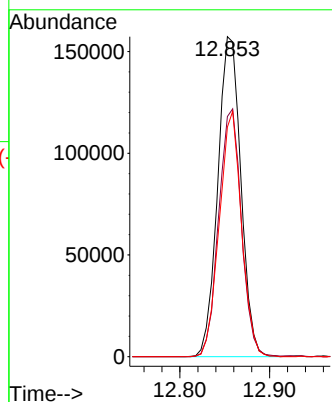
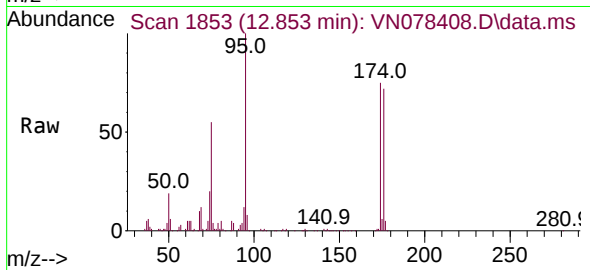




#62
4-Bromofluorobenzene
Concen: 48.123 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078408.D
Acq: 26 Jun 2023 17:37

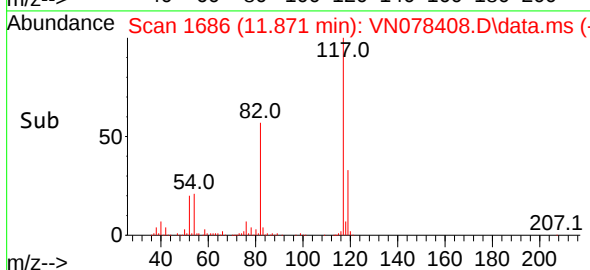
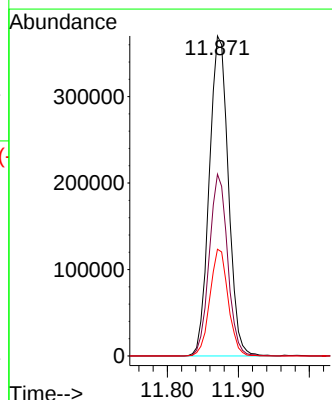
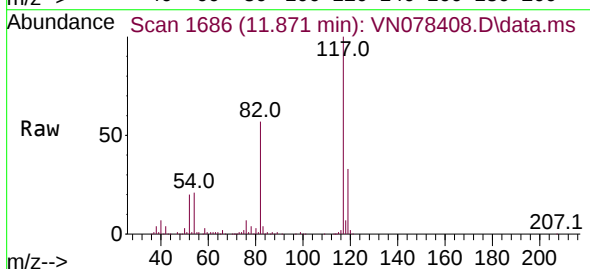
Instrument :
MSVOA_N
ClientSampleId :
1622

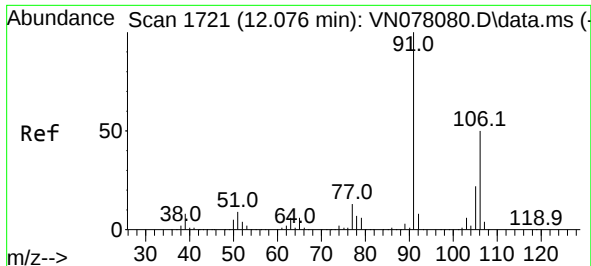
Tgt Ion: 95 Resp: 281243
Ion Ratio Lower Upper
95 100
174 76.2 0.0 143.8
176 73.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078408.D
Acq: 26 Jun 2023 17:37

Tgt Ion: 117 Resp: 689400
Ion Ratio Lower Upper
117 100
82 56.8 44.0 66.0
119 33.3 25.6 38.4

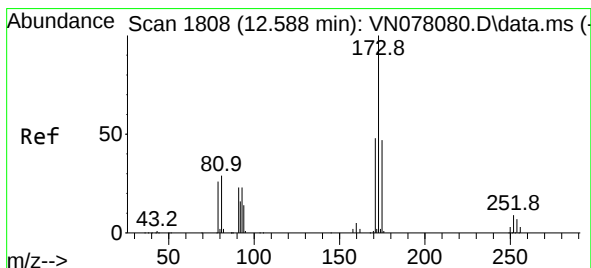
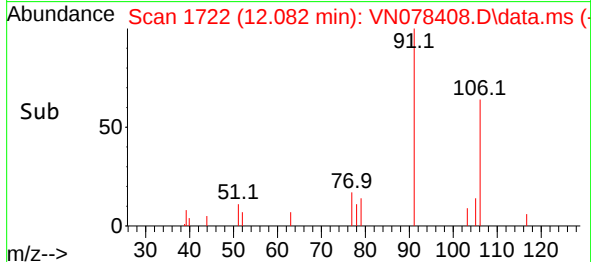
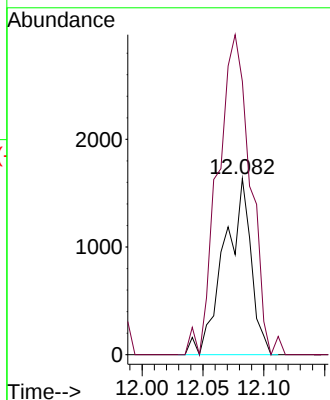
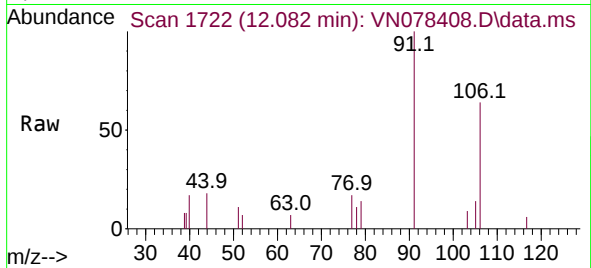




#68
m/p-Xylenes
Concen: 0.258 ug/l
RT: 12.082 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078408.D
Acq: 26 Jun 2023 17:37

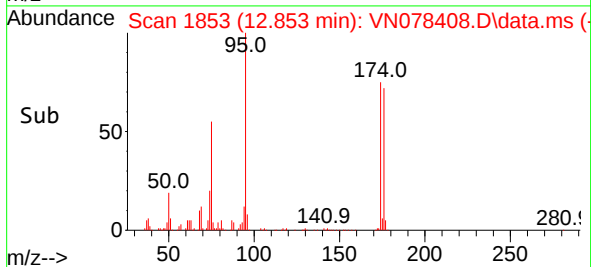
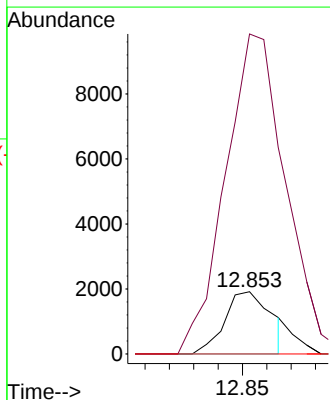
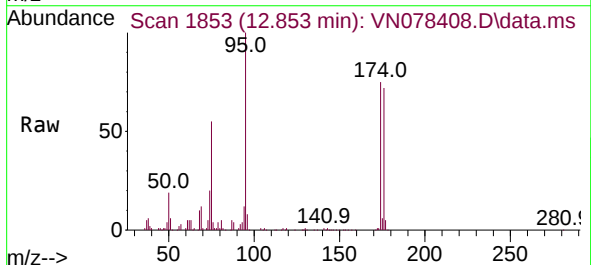
Instrument :
MSVOA_N
ClientSampleId :
1622

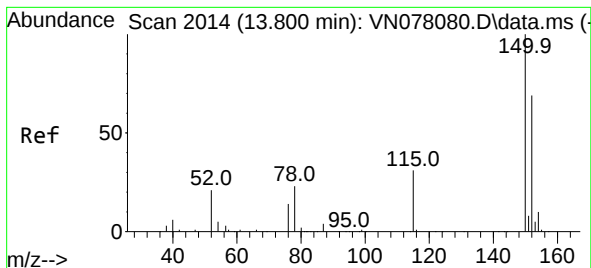
Tgt Ion:106 Resp: 2508
Ion Ratio Lower Upper
106 100
91 221.9 159.6 239.4



#71
Bromoform
Concen: 0.731 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.265 min
Lab File: VN078408.D
Acq: 26 Jun 2023 17:37

Tgt Ion:173 Resp: 2561
Ion Ratio Lower Upper
173 100
175 557.9 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN078408.D

Acq: 26 Jun 2023 17:37

Instrument :

MSVOA_N

ClientSampleId :

1622

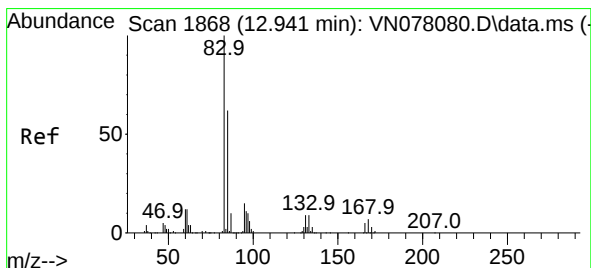
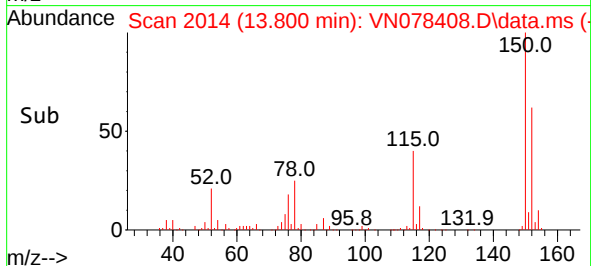
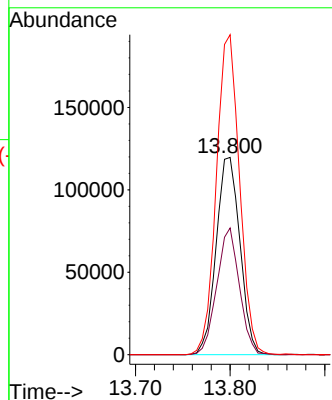
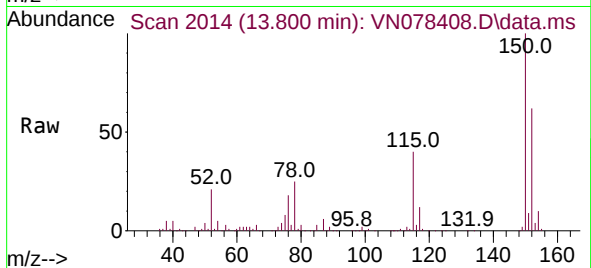
Tgt Ion:152 Resp: 208779

Ion Ratio Lower Upper

152 100

115 61.1 32.3 96.8

150 158.1 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.888 min Scan# 1859

Delta R.T. -0.053 min

Lab File: VN078408.D

Acq: 26 Jun 2023 17:37

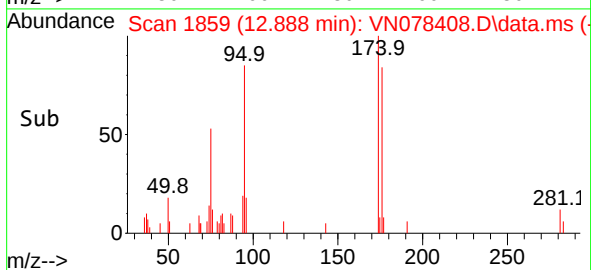
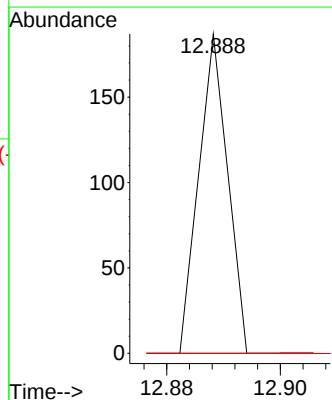
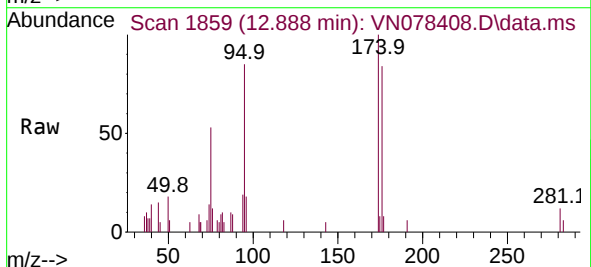
Tgt Ion: 83 Resp: 66

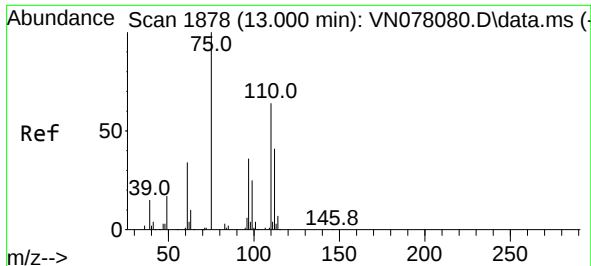
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#

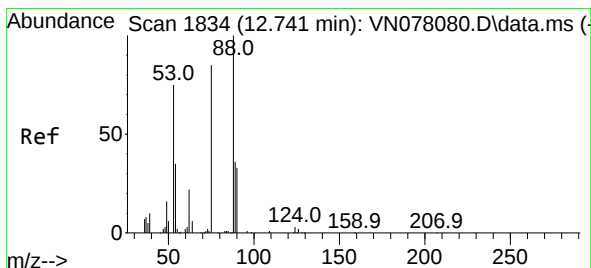
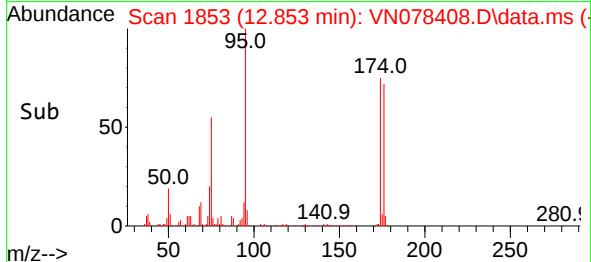
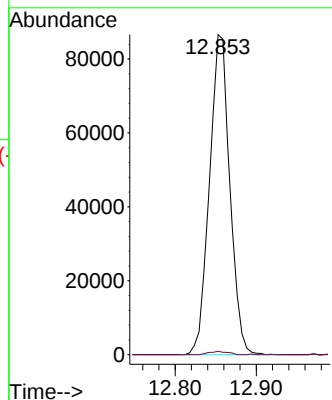
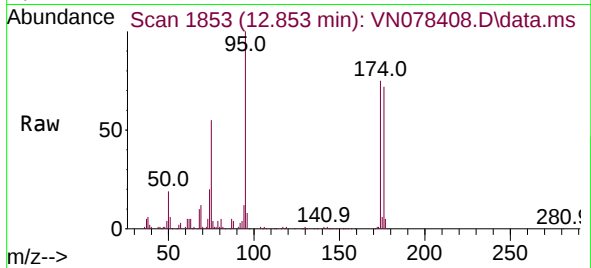




#76
1,2,3-Trichloropropane
Concen: 30.529 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078408.D
Acq: 26 Jun 2023 17:37

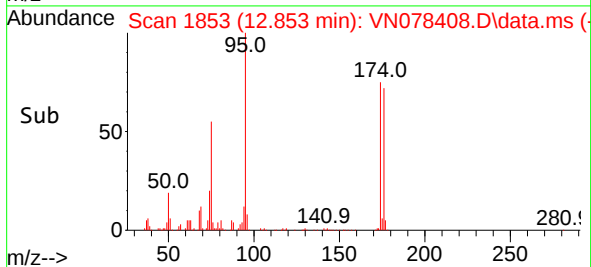
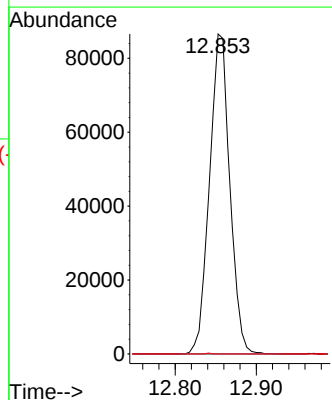
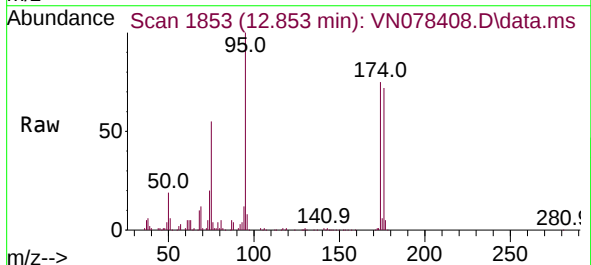
Instrument :
MSVOA_N
ClientSampleId :
1622

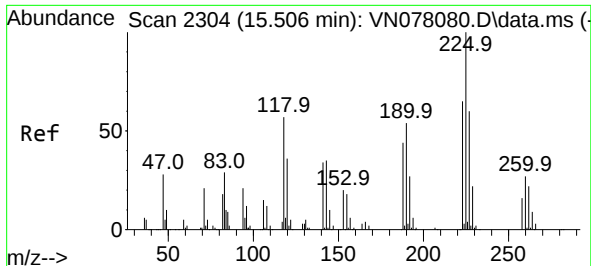
Tgt Ion: 75 Resp: 150677
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.793 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078408.D
Acq: 26 Jun 2023 17:37

Tgt Ion: 75 Resp: 150677
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.506 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN078408.D

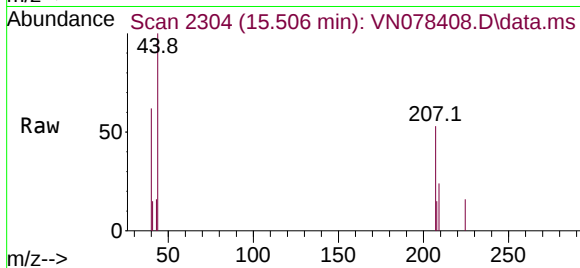
Acq: 26 Jun 2023 17:37

Instrument :

MSVOA_N

ClientSampleId :

1622



Tgt Ion:225 Resp: 68

Ion Ratio Lower Upper

225 100

223 0.0 31.3 93.8#

227 0.0 31.9 95.9#

