

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110323\
 Data File : VN079867.D
 Acq On : 04 Nov 2023 01:03
 Operator : JC\MD
 Sample : VN1103WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 04 04:45:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

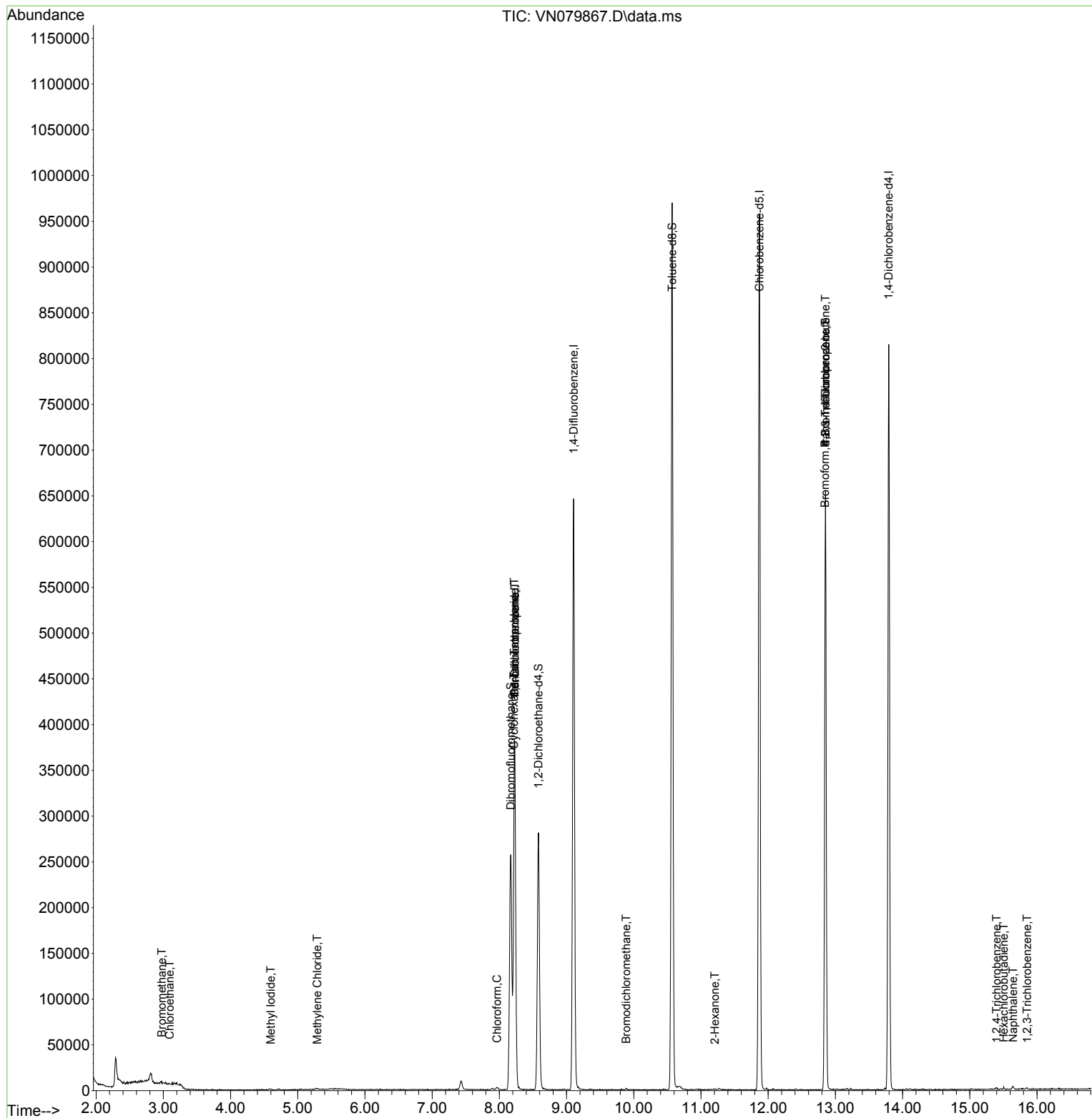
Internal Standards						
1) Pentafluorobenzene	8.230	168	265644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	522753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	529706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	208214	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	226578	55.984	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.960%
35) Dibromofluoromethane	8.171	113	186483	50.403	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.800%
50) Toluene-d8	10.571	98	645769	47.412	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.820%
62) 4-Bromofluorobenzene	12.853	95	215626	47.734	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.460%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1464	Below Cal	#	88
5) Bromomethane	2.977	94	1102	0.433	ug/l #	57
6) Chloroethane	3.095	64	1029	0.311	ug/l #	43
10) Methyl Iodide	4.600	142	751	0.218	ug/l #	87
20) Methylene Chloride	5.289	84	1115	0.311	ug/l #	65
30) Chloroform	7.965	83	2427	0.362	ug/l	97
31) Cyclohexane	8.218	56	7477	1.398	ug/l #	57
36) 1,1-Dichloropropene	8.230	75	24627	4.662	ug/l #	46
38) Carbon Tetrachloride	8.224	117	28501	5.353	ug/l #	16
47) Bromodichloromethane	9.888	83	1348	0.229	ug/l #	84
59) 2-Hexanone	11.206	43	845	0.231	ug/l #	36
71) Bromoform	12.847	173	1357	0.462	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	120871	24.727	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	120871	67.276	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.400	180	896	0.277	ug/l #	82
94) Hexachlorobutadiene	15.506	225	490	0.335	ug/l	71
95) Naphthalene	15.647	128	3784	0.345	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.853	180	973	0.307	ug/l #	83

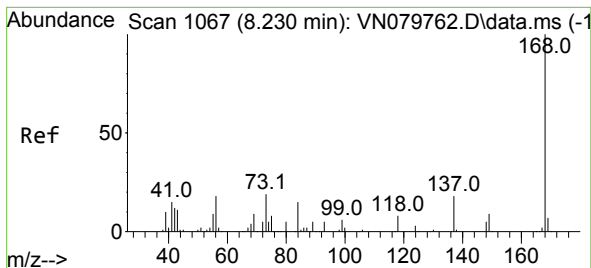
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 10

Delta R.T. 0.001 min

Lab File: VN079867.D

Acq: 04 Nov 2023 01:03

Instrument :

MSVOA_N

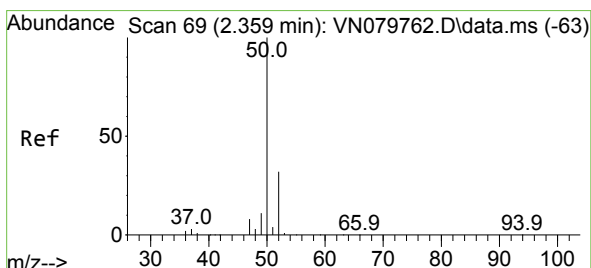
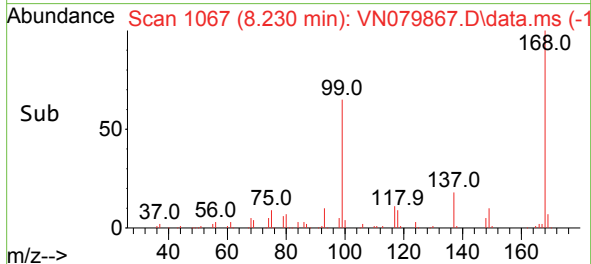
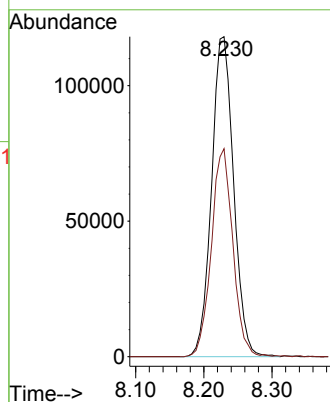
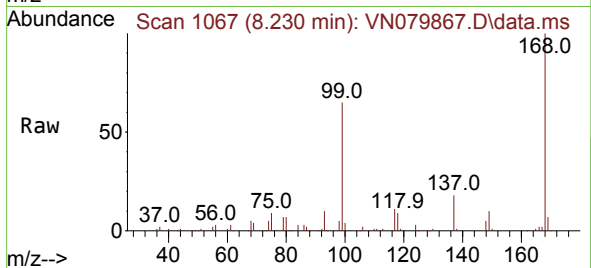
ClientSampleId :

Tgt Ion:168 Resp: 265644

Ion Ratio Lower Upper

168 100

99 65.0 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN079867.D

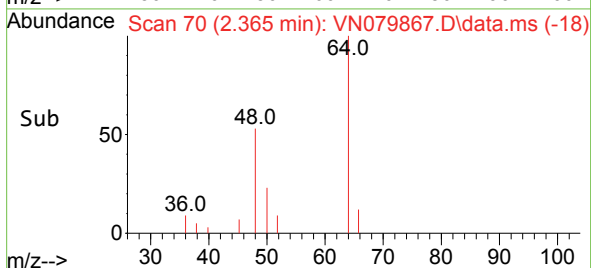
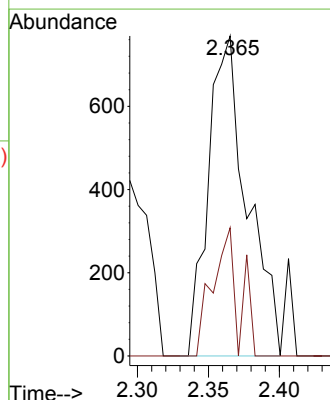
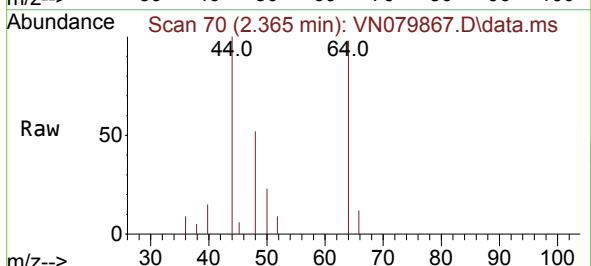
Acq: 04 Nov 2023 01:03

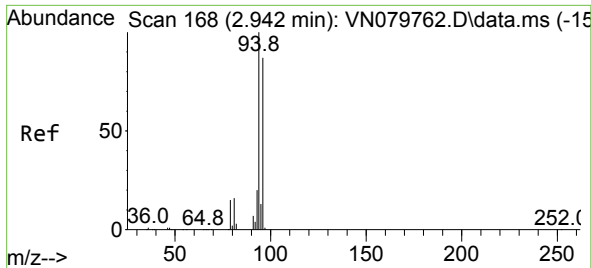
Tgt Ion: 50 Resp: 1464

Ion Ratio Lower Upper

50 100

52 40.1 26.5 39.7#

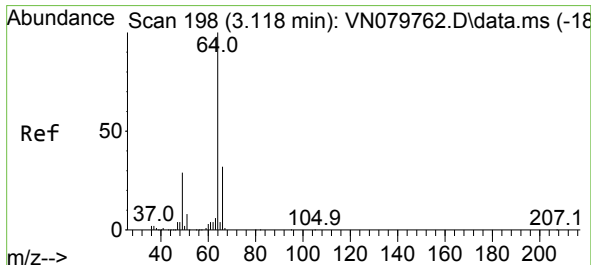
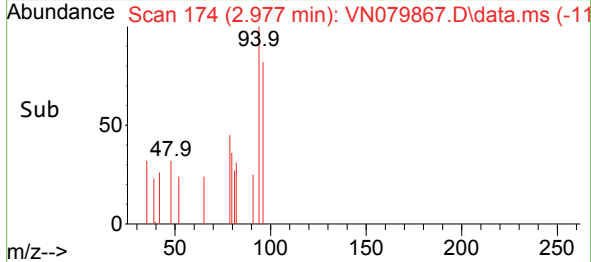
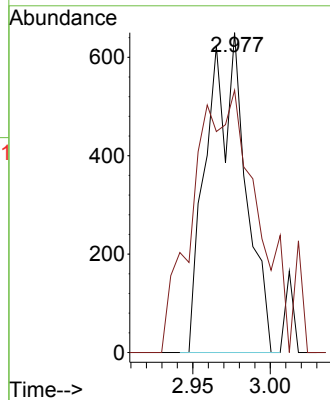
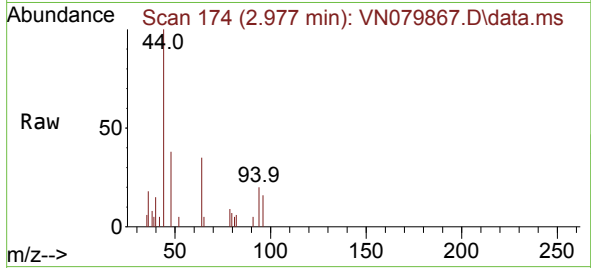




#5
Bromomethane
Concen: 0.433 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN079867.D
Acq: 04 Nov 2023 01:03

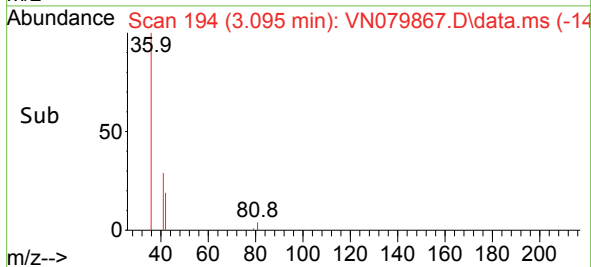
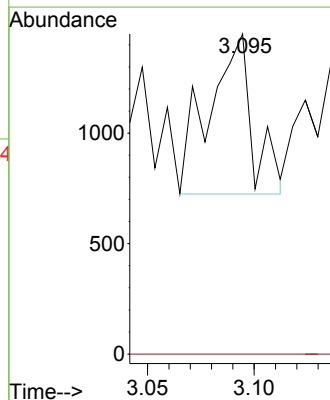
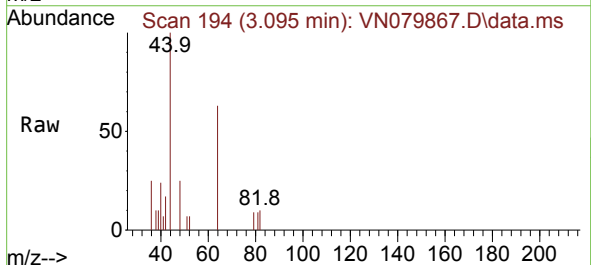
Instrument :
MSVOA_N
ClientSampleId :

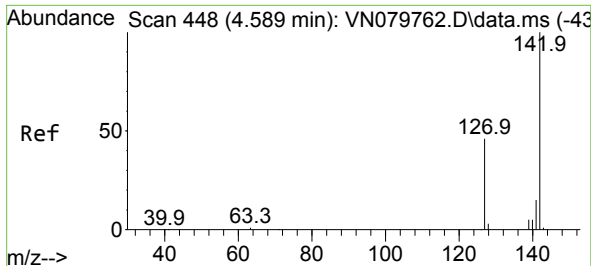
Tgt Ion: 94 Resp: 1102
Ion Ratio Lower Upper
94 100
96 50.8 73.1 109.7#



#6
Chloroethane
Concen: 0.311 ug/l
RT: 3.095 min Scan# 194
Delta R.T. -0.023 min
Lab File: VN079867.D
Acq: 04 Nov 2023 01:03

Tgt Ion: 64 Resp: 1029
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

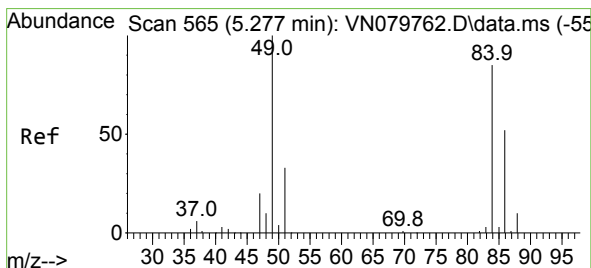
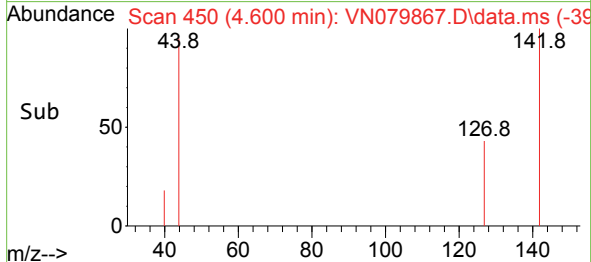
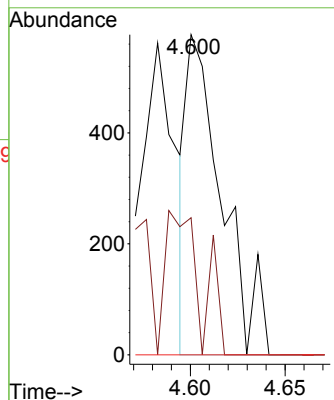
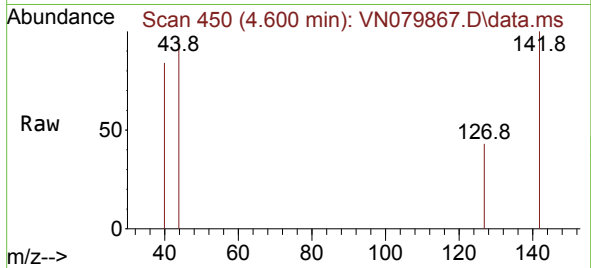




#10
Methyl Iodide
Concen: 0.218 ug/l
RT: 4.600 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079867.D
Acq: 04 Nov 2023 01:03

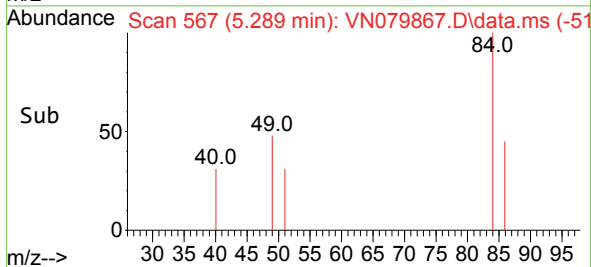
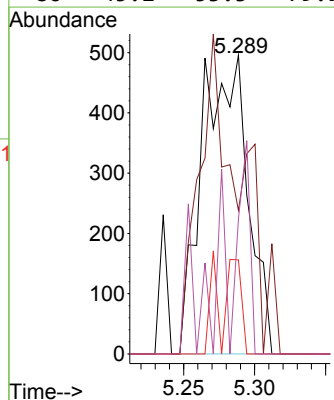
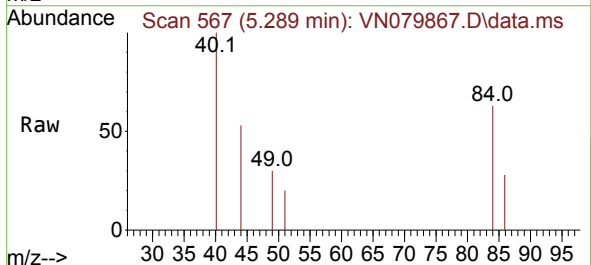
Instrument :
MSVOA_N
ClientSampleId :

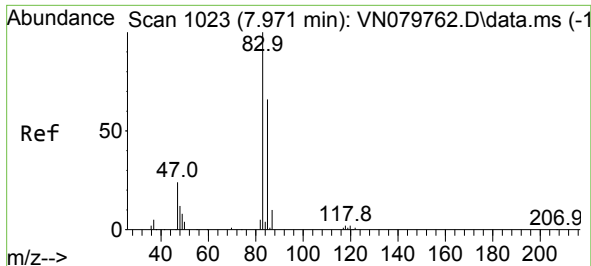
Tgt Ion:142 Resp: 751
Ion Ratio Lower Upper
142 100
127 42.8 37.6 56.4
141 0.0 11.4 17.0#



#20
Methylene Chloride
Concen: 0.311 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.018 min
Lab File: VN079867.D
Acq: 04 Nov 2023 01:03

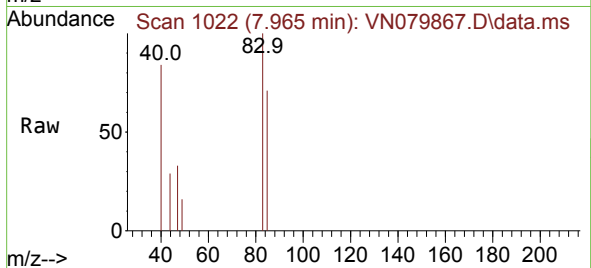
Tgt Ion: 84 Resp: 1115
Ion Ratio Lower Upper
84 100
49 48.0 79.7 119.5#
51 31.5 25.2 37.8
86 45.2 53.3 79.9#



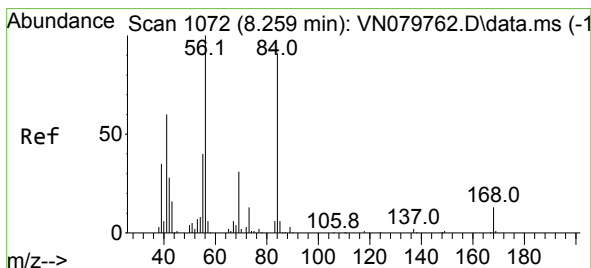
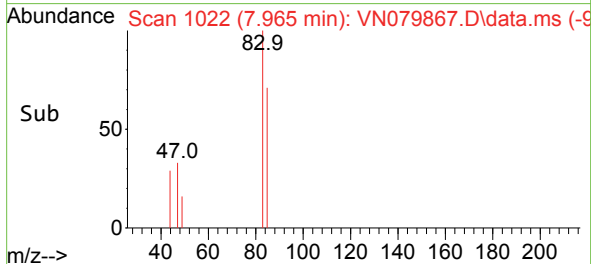
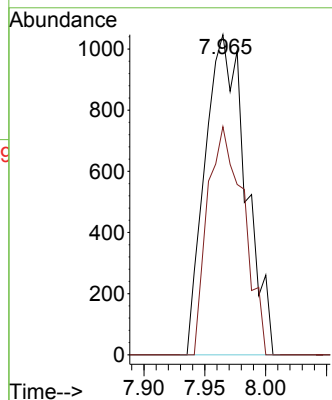


#30
Chloroform
Concen: 0.362 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.006 min
Lab File: VN079867.D
Acq: 04 Nov 2023 01:03

Instrument :
MSVOA_N
ClientSampleId :

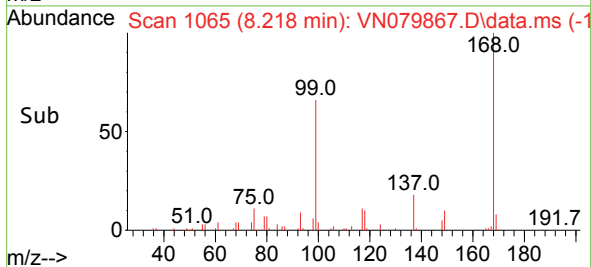
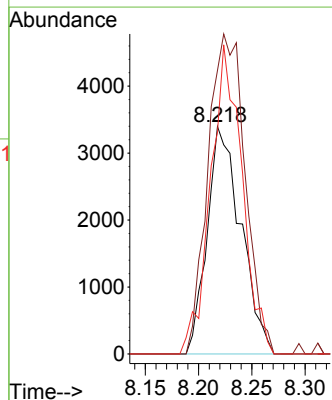
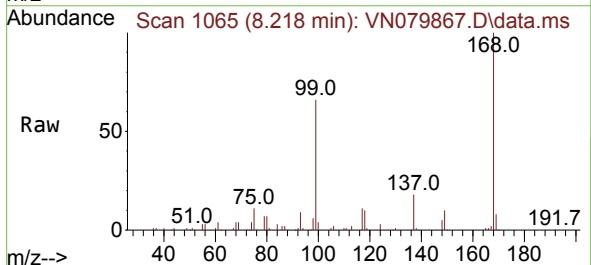


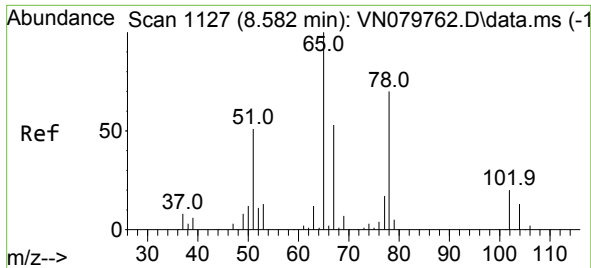
Tgt Ion: 83 Resp: 2427
Ion Ratio Lower Upper
83 100
85 71.3 55.4 83.0



#31
Cyclohexane
Concen: 1.398 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN079867.D
Acq: 04 Nov 2023 01:03

Tgt Ion: 56 Resp: 7477
Ion Ratio Lower Upper
56 100
69 124.6 26.8 40.2#
84 97.6 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 55.984 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079867.D

Acq: 04 Nov 2023 01:03

Instrument :

MSVOA_N

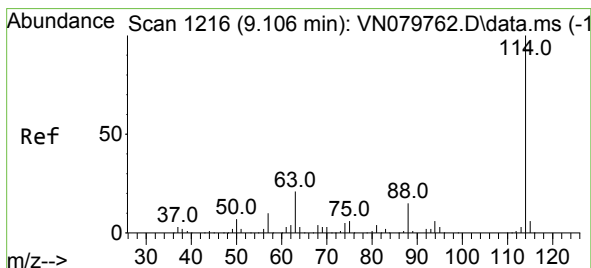
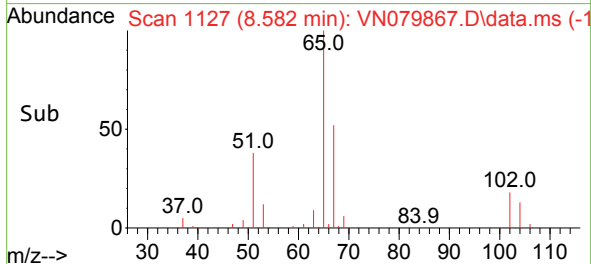
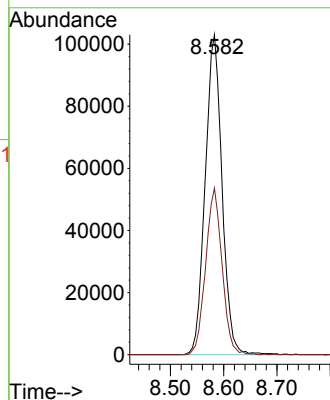
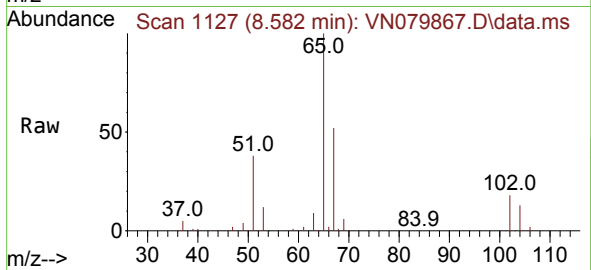
ClientSampleId :

Tgt Ion: 65 Resp: 226578

Ion Ratio Lower Upper

65 100

67 50.7 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: VN079867.D

Acq: 04 Nov 2023 01:03

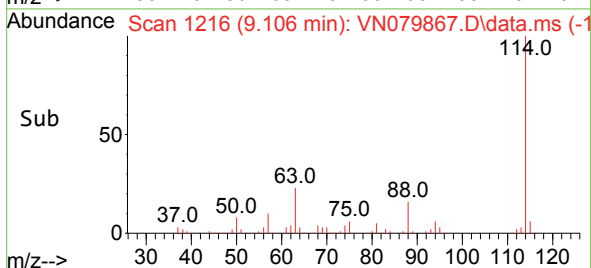
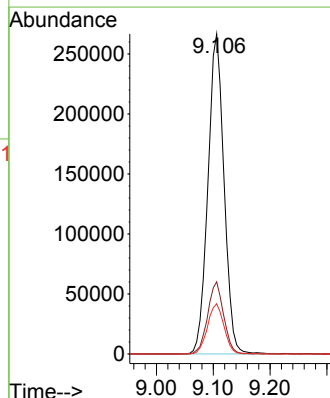
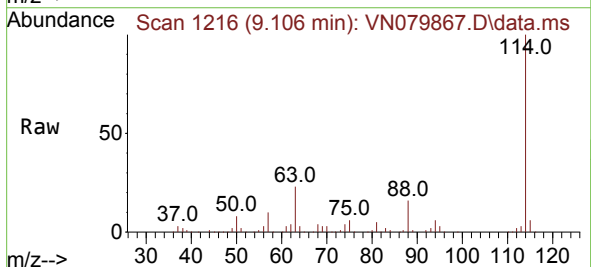
Tgt Ion: 114 Resp: 522753

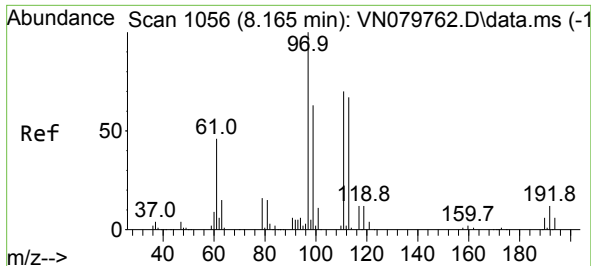
Ion Ratio Lower Upper

114 100

63 22.6 0.0 36.4

88 15.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.403 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN079867.D

Acq: 04 Nov 2023 01:03

Instrument :

MSVOA_N

ClientSampleId :

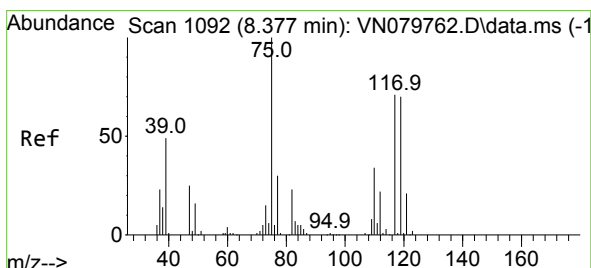
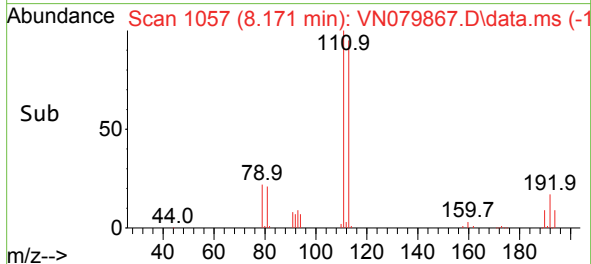
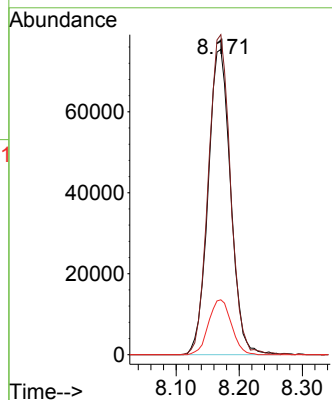
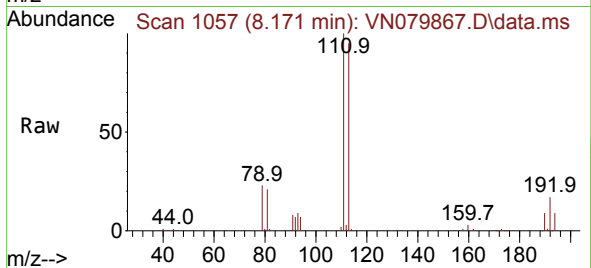
Tgt Ion:113 Resp: 186483

Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

192 18.2 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.662 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079867.D

Acq: 04 Nov 2023 01:03

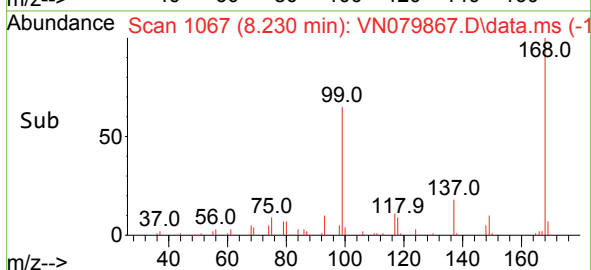
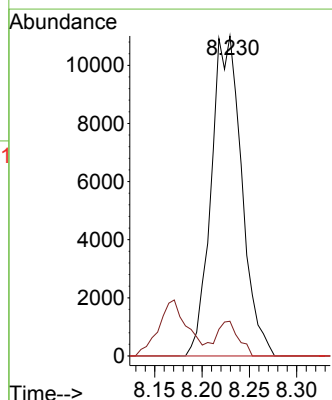
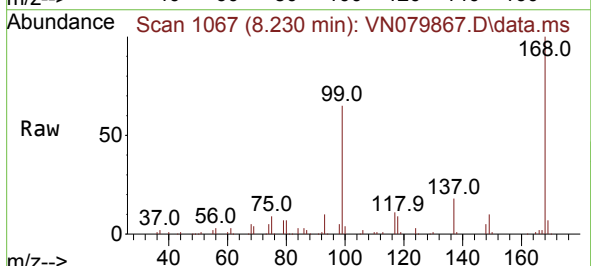
Tgt Ion: 75 Resp: 24627

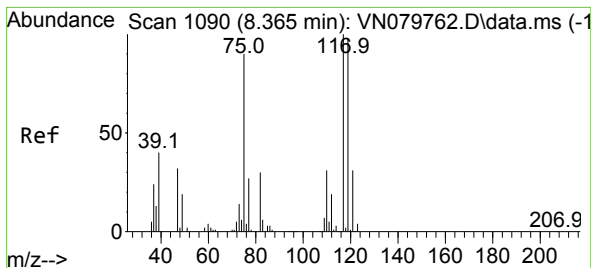
Ion Ratio Lower Upper

75 100

110 7.0 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.353 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.135 min

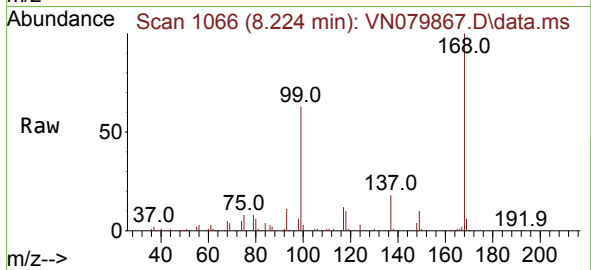
Lab File: VN079867.D

Acq: 04 Nov 2023 01:03

Instrument :

MSVOA_N

ClientSampleId :



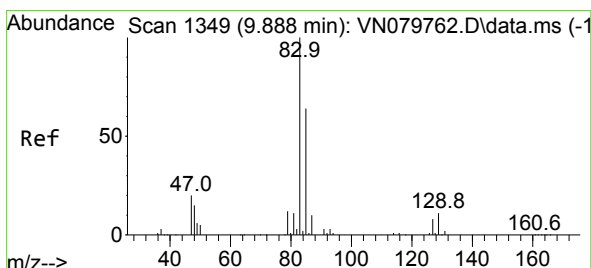
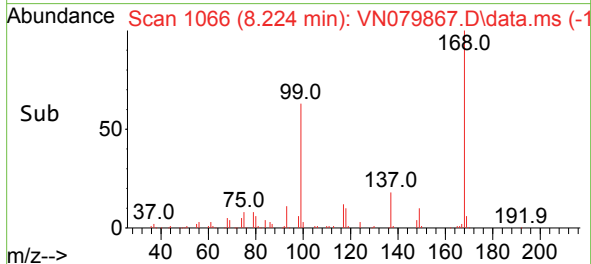
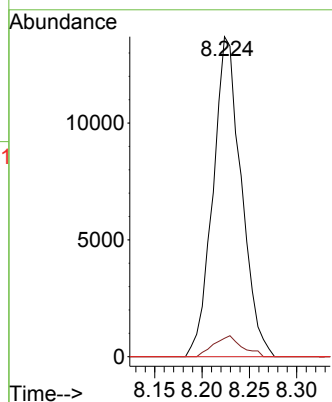
Tgt Ion:117 Resp: 28501

Ion Ratio Lower Upper

117 100

119 5.7 77.3 115.9#

121 0.0 23.3 34.9#



#47

Bromodichloromethane

Concen: 0.229 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.000 min

Lab File: VN079867.D

Acq: 04 Nov 2023 01:03

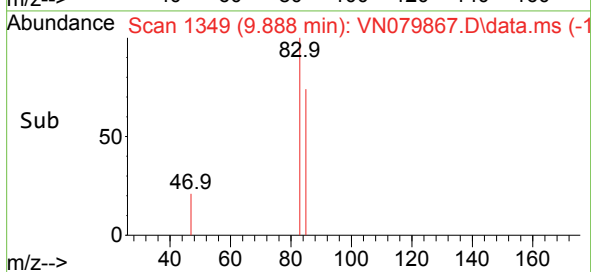
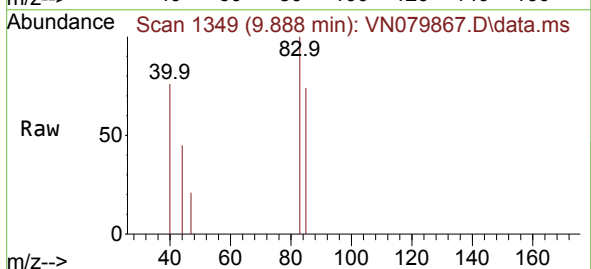
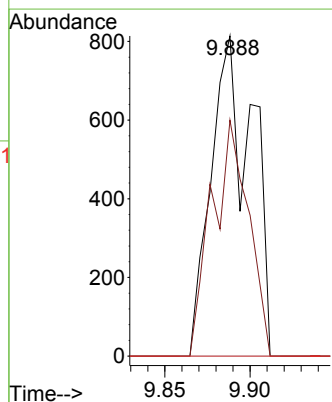
Tgt Ion: 83 Resp: 1348

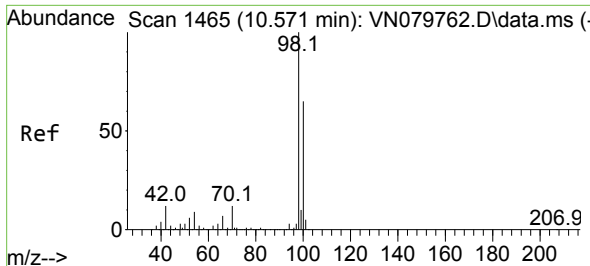
Ion Ratio Lower Upper

83 100

85 73.7 49.6 74.4

127 0.0 7.0 10.6#

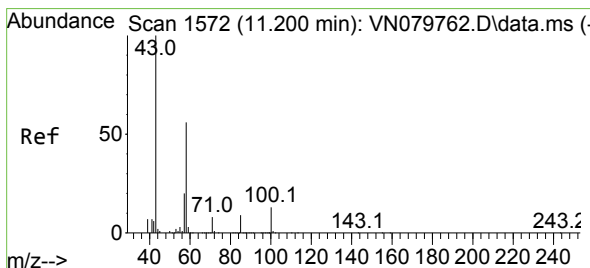
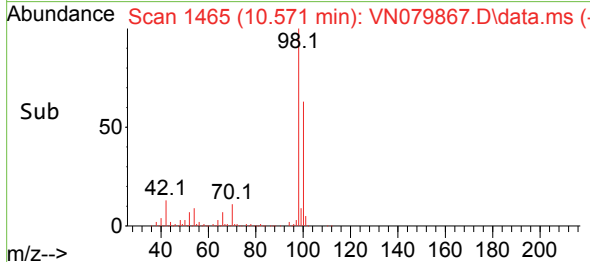
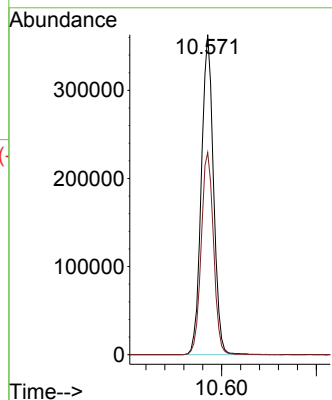
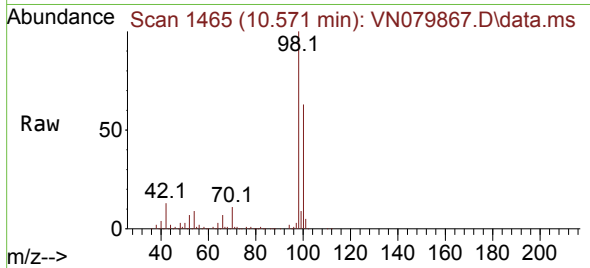




#50
Toluene-d8
Concen: 47.412 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079867.D
Acq: 04 Nov 2023 01:03

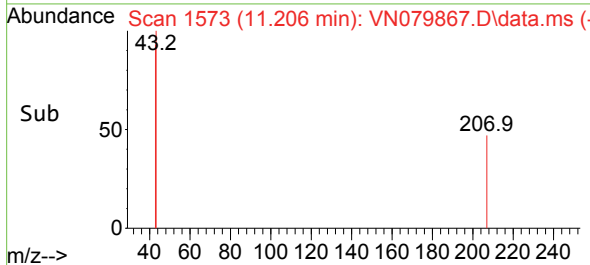
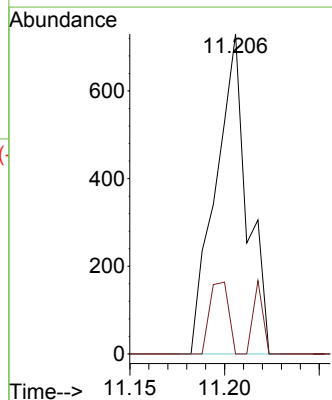
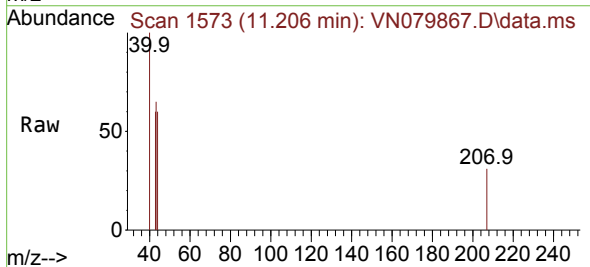
Instrument :
MSVOA_N
ClientSampleId :

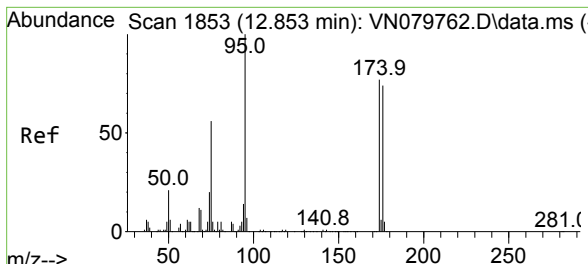
Tgt Ion: 98 Resp: 645769
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#59
2-Hexanone
Concen: 0.231 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN079867.D
Acq: 04 Nov 2023 01:03

Tgt Ion: 43 Resp: 845
Ion Ratio Lower Upper
43 100
58 13.5 31.7 95.1#

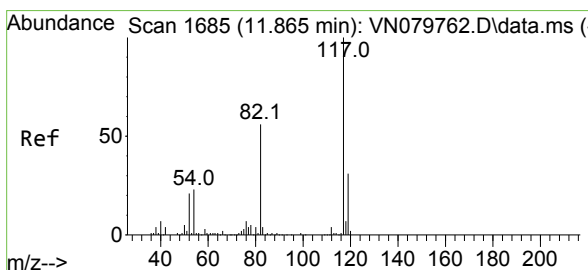
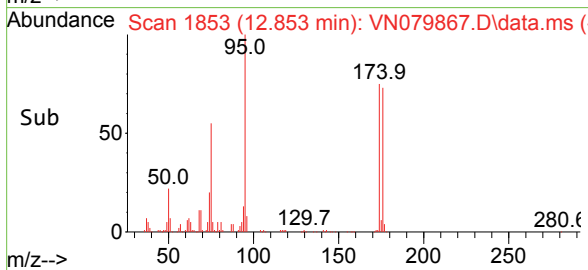
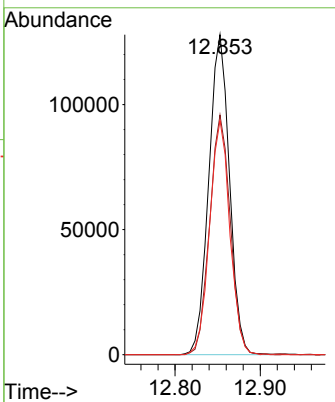
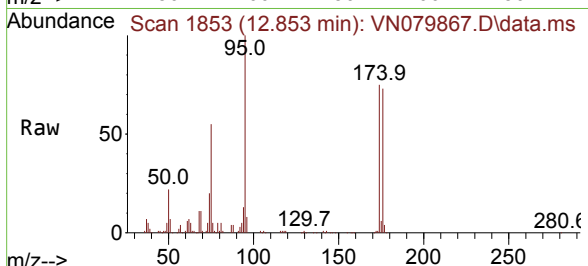




#62
 4-Bromofluorobenzene
 Concen: 47.734 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN079867.D
 Acq: 04 Nov 2023 01:03

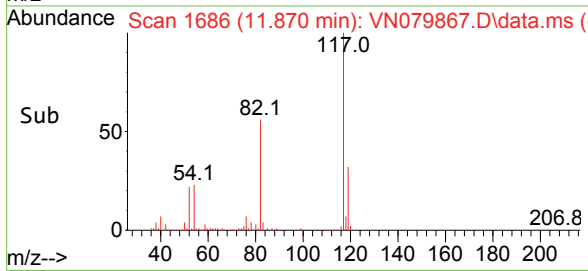
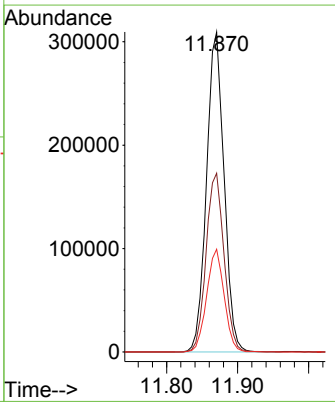
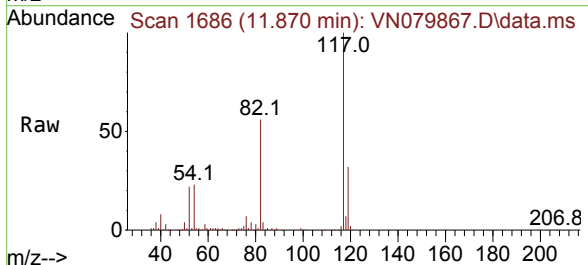
Instrument :
 MSVOA_N
 ClientSampleId :

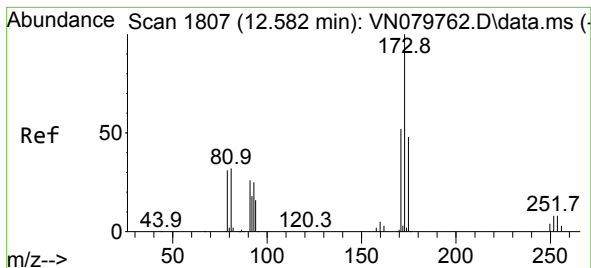
Tgt Ion:	95	Resp:	215626
Ion Ratio	Lower	Upper	
95	100		
174	74.7	0.0	143.8
176	71.6	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. 0.000 min
 Lab File: VN079867.D
 Acq: 04 Nov 2023 01:03

Tgt Ion:	117	Resp:	529706
Ion Ratio	Lower	Upper	
117	100		
82	55.8	44.0	66.0
119	32.1	25.6	38.4





#71

Bromoform

Concen: 0.462 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

Lab File: VN079867.D

Acq: 04 Nov 2023 01:03

Instrument :

MSVOA_N

ClientSampleId :

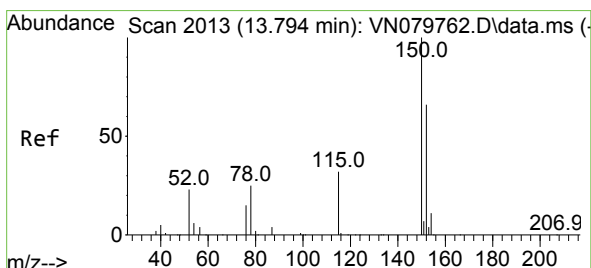
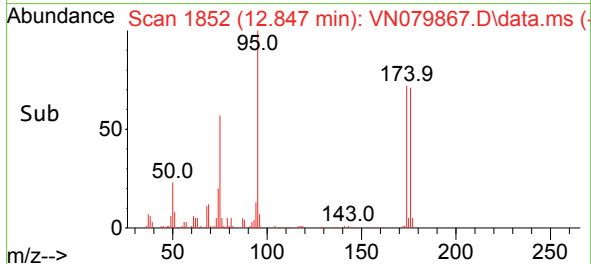
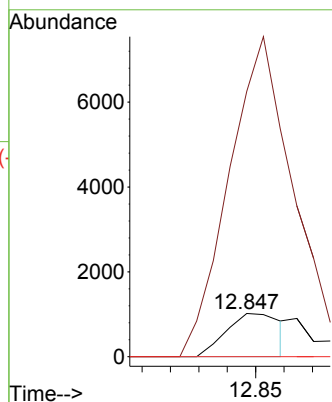
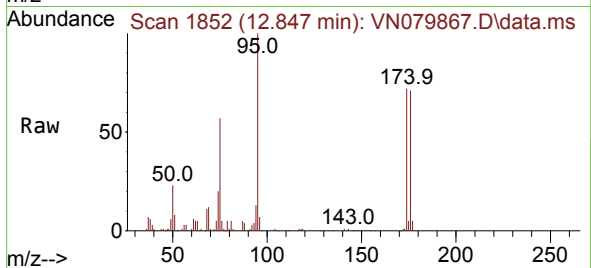
Tgt Ion:173 Resp: 1357

Ion Ratio Lower Upper

173 100

175 696.5 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079867.D

Acq: 04 Nov 2023 01:03

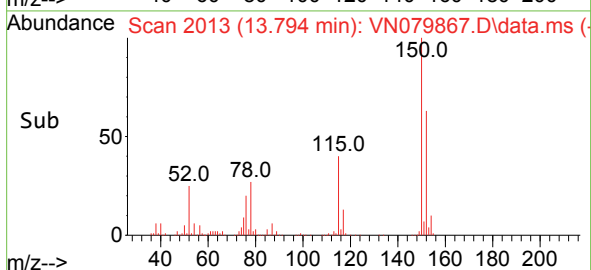
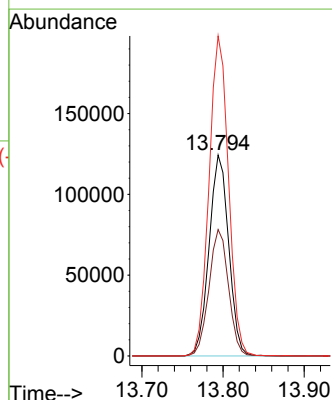
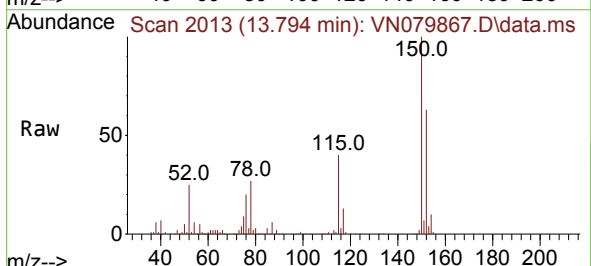
Tgt Ion:152 Resp: 208214

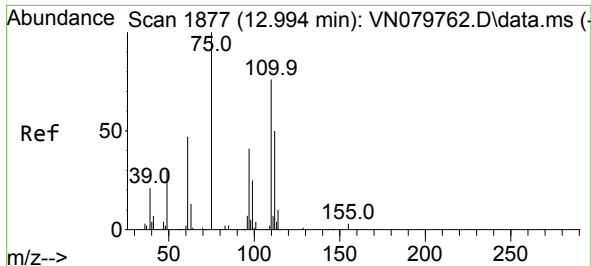
Ion Ratio Lower Upper

152 100

115 62.7 32.3 96.8

150 158.1 0.0 355.8

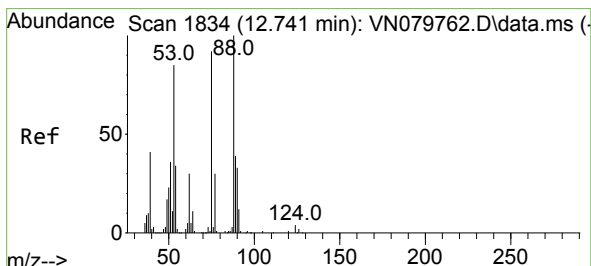
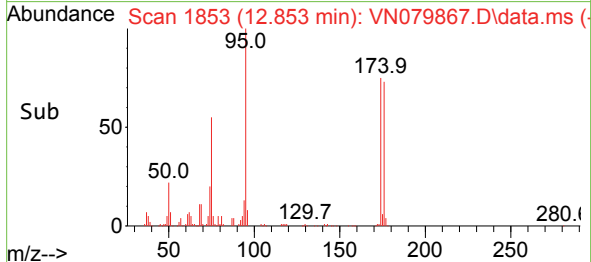
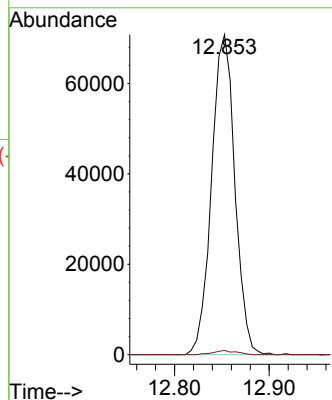
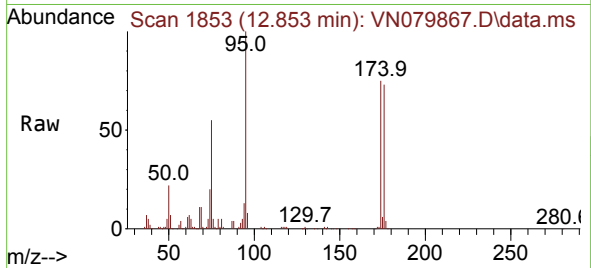




#76
1,2,3-Trichloropropane
Concen: 24.727 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079867.D
Acq: 04 Nov 2023 01:03

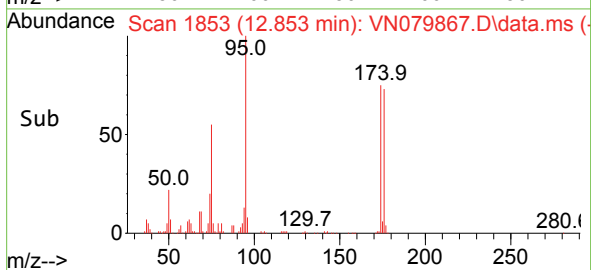
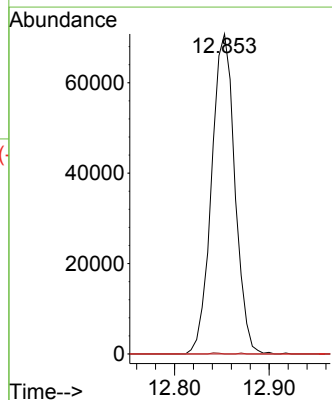
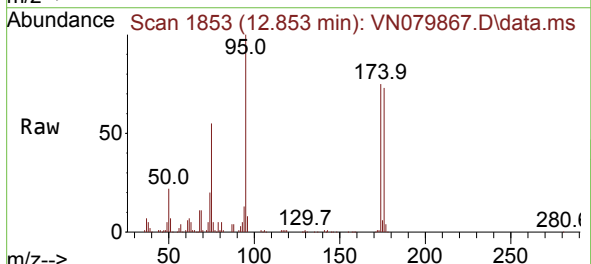
Instrument :
MSVOA_N
ClientSampleId :

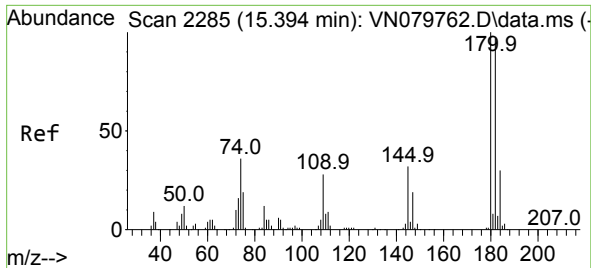
Tgt Ion: 75 Resp: 120871
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.276 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079867.D
Acq: 04 Nov 2023 01:03

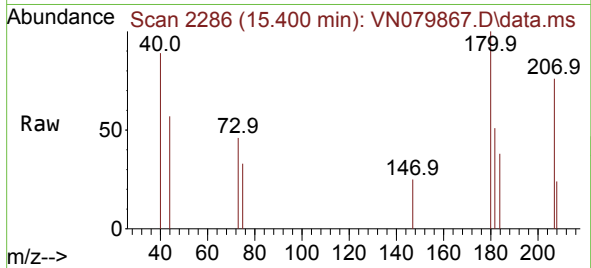
Tgt Ion: 75 Resp: 120871
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



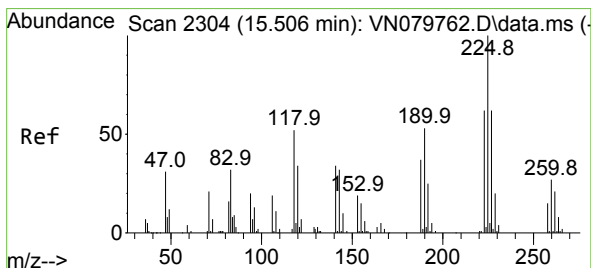
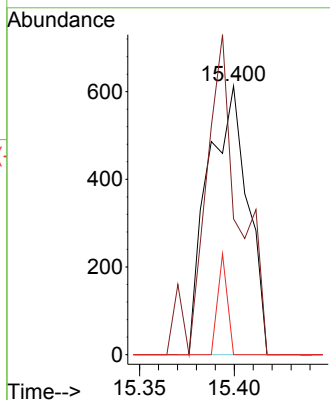
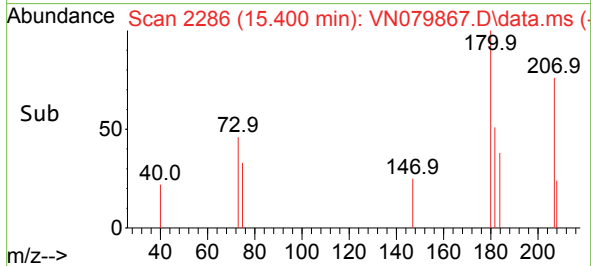


#93
 1,2,4-Trichlorobenzene
 Concen: 0.277 ug/l
 RT: 15.400 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN079867.D
 Acq: 04 Nov 2023 01:03

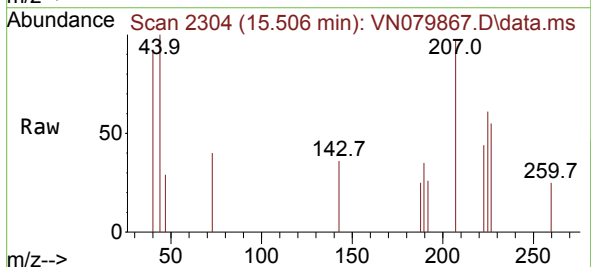
Instrument :
 MSVOA_N
 ClientSampleId :



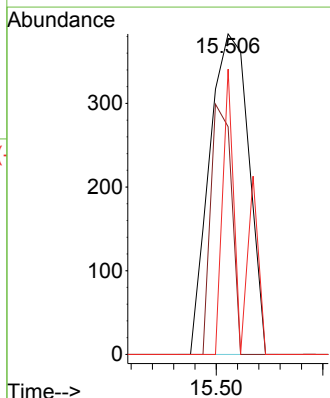
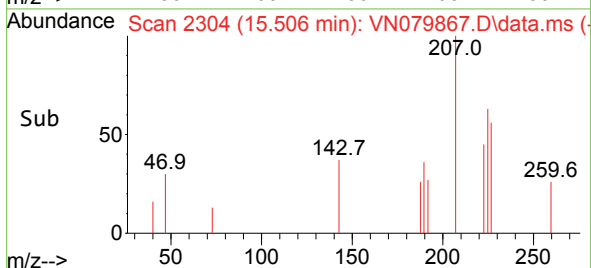
Tgt Ion:180 Resp: 896
 Ion Ratio Lower Upper
 180 100
 182 101.3 46.1 138.2
 145 9.0 16.6 49.8#

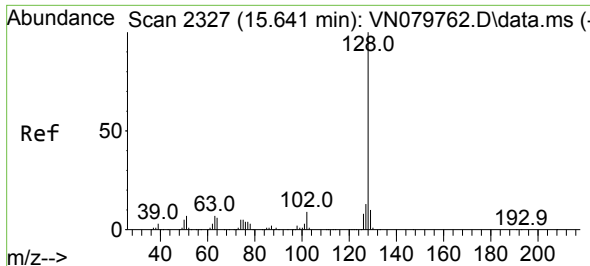


#94
 Hexachlorobutadiene
 Concen: 0.335 ug/l
 RT: 15.506 min Scan# 2304
 Delta R.T. 0.000 min
 Lab File: VN079867.D
 Acq: 04 Nov 2023 01:03



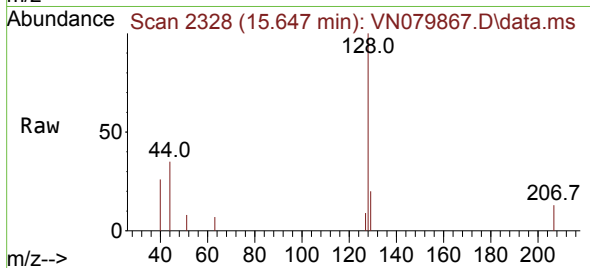
Tgt Ion:225 Resp: 490
 Ion Ratio Lower Upper
 225 100
 223 41.2 31.3 93.8
 227 40.0 31.9 95.9



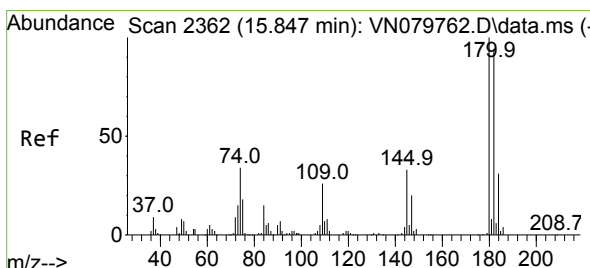
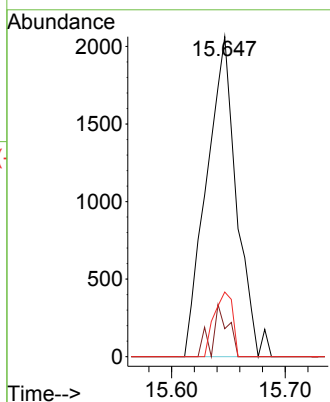
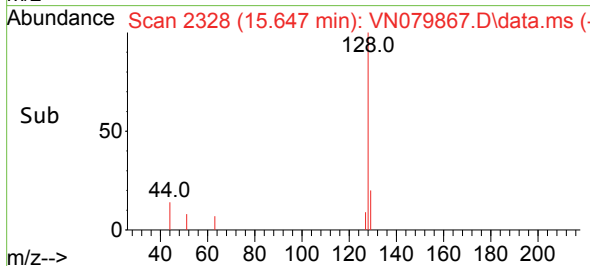


#95
Naphthalene
Concen: 0.345 ug/l
RT: 15.647 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN079867.D
Acq: 04 Nov 2023 01:03

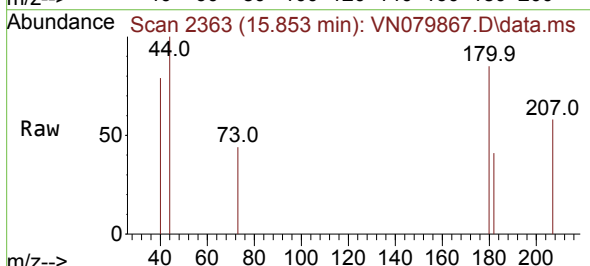
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 3784
Ion Ratio Lower Upper
128 100
127 8.6 10.0 15.0#
129 12.5 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.307 ug/l
RT: 15.853 min Scan# 2363
Delta R.T. 0.012 min
Lab File: VN079867.D
Acq: 04 Nov 2023 01:03



Tgt Ion:180 Resp: 973
Ion Ratio Lower Upper
180 100
182 92.6 46.2 138.6
145 0.0 17.5 52.6#

