

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062124\
 Data File : VN082676.D
 Acq On : 21 Jun 2024 14:09
 Operator : JC\MD
 Sample : VN0621WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 24 02:20:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

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

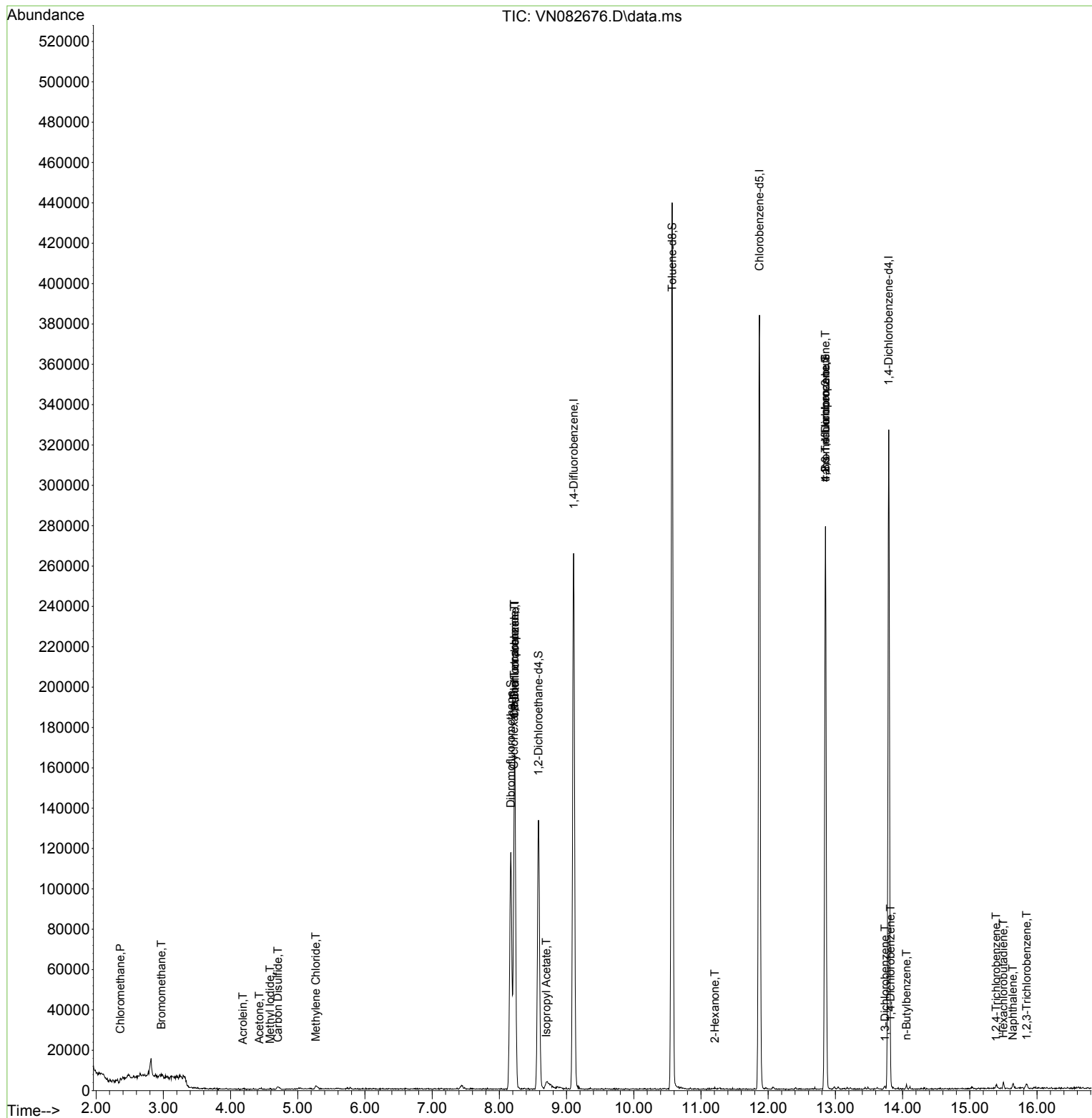
Internal Standards						
1) Pentafluorobenzene	8.229	168	115476	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	211144	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	207851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	81404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	109028	58.876	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.760%			
35) Dibromofluoromethane	8.171	113	81367	56.805	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.620%			
50) Toluene-d8	10.571	98	279653	51.627	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.260%			
62) 4-Bromofluorobenzene	12.853	95	85560	45.815	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 91.640%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	710	0.367	ug/l	89
5) Bromomethane	2.971	94	947	0.800	ug/l	87
10) Methyl Iodide	4.589	142	418	0.326	ug/l #	38
13) Acrolein	4.183	56	84	0.272	ug/l #	1
16) Acetone	4.430	43	188	0.223	ug/l #	48
17) Carbon Disulfide	4.706	76	2740	0.671	ug/l #	75
20) Methylene Chloride	5.271	84	1154	0.779	ug/l #	66
31) Cyclohexane	8.218	56	3458	1.294	ug/l #	16
36) 1,1-Dichloropropene	8.224	75	10792	5.040	ug/l #	51
38) Carbon Tetrachloride	8.224	117	12434	5.153	ug/l #	20
43) Isopropyl Acetate	8.700	43	3043	0.597	ug/l #	60
59) 2-Hexanone	11.206	43	484	0.244	ug/l #	48
76) 1,2,3-Trichloropropane	12.853	75	49807	25.016	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	49807	59.849	ug/l #	6
87) 1,3-Dichlorobenzene	13.741	146	591	0.205	ug/l #	77
88) 1,4-Dichlorobenzene	13.823	146	1033	0.343	ug/l #	45
89) n-Butylbenzene	14.059	91	1336	0.308	ug/l	89
93) 1,2,4-Trichlorobenzene	15.394	180	831	0.559	ug/l #	86
94) Hexachlorobutadiene	15.500	225	681	0.930	ug/l	96
95) Naphthalene	15.641	128	3224	0.706	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.847	180	1156	0.764	ug/l #	89

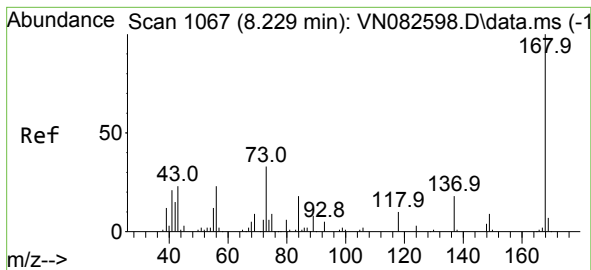
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062124\
Data File : VN082676.D
Acq On : 21 Jun 2024 14:09
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Sample : VN0621WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

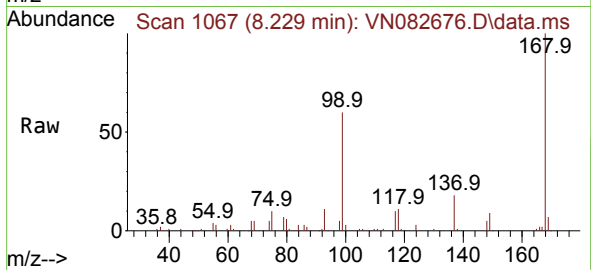
Quant Time: Jun 24 02:20:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 18 04:52:44 2024
Response via : Initial Calibration



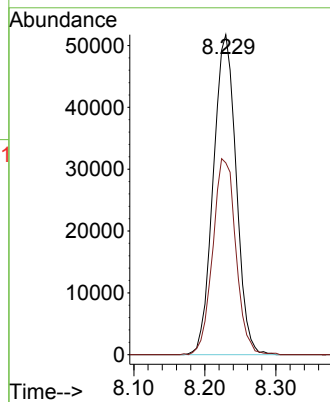
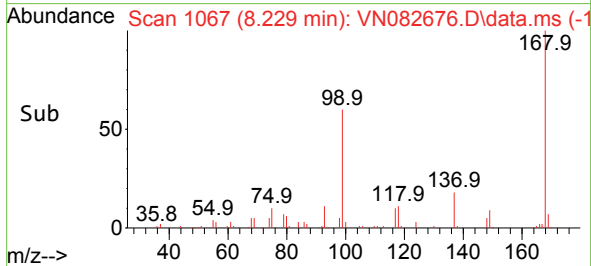


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN082676.D
Acq: 21 Jun 2024 14:09

Instrument :
MSVOA_N
ClientSampleId :

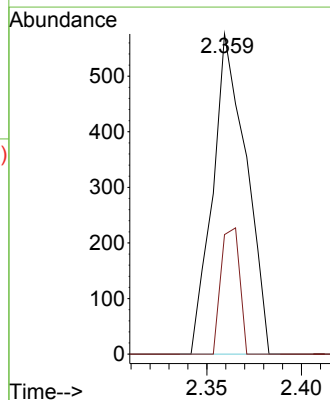
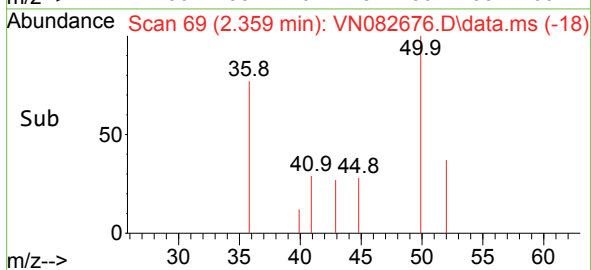
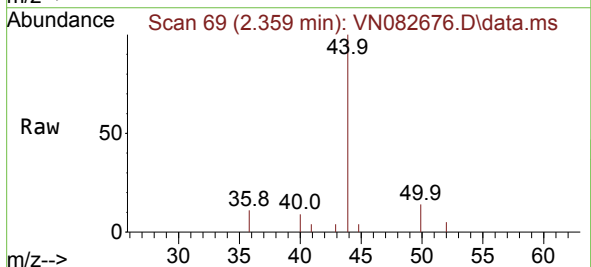


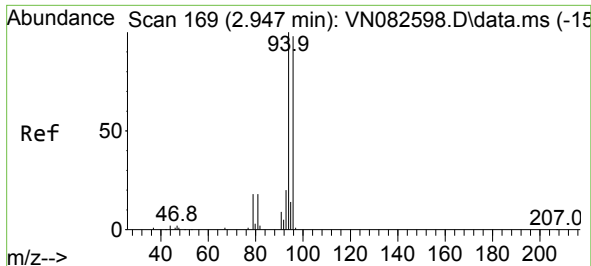
Tgt Ion:168 Resp: 115476
Ion Ratio Lower Upper
168 100
99 59.9 48.2 72.4



#3
Chloromethane
Concen: 0.367 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN082676.D
Acq: 21 Jun 2024 14:09

Tgt Ion: 50 Resp: 710
Ion Ratio Lower Upper
50 100
52 37.3 25.0 37.4

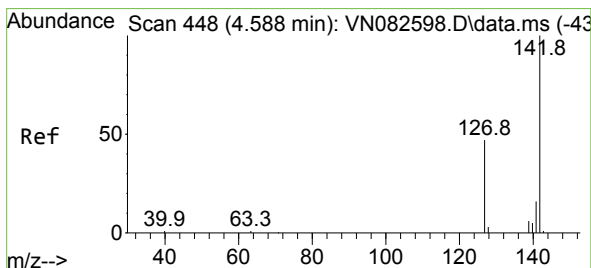
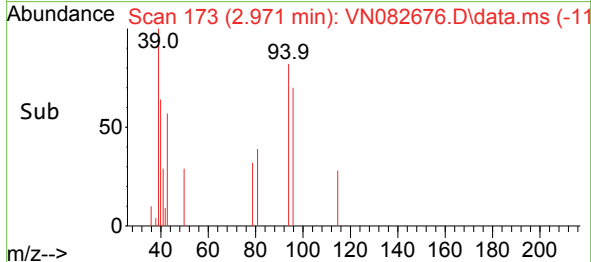
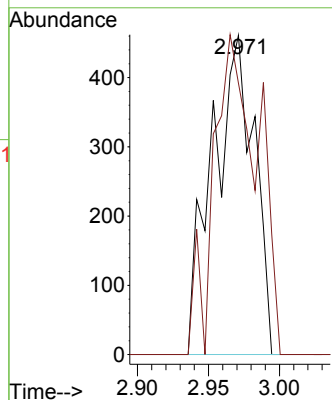
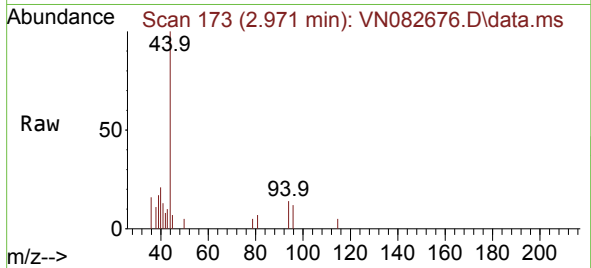




#5
Bromomethane
Concen: 0.800 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN082676.D
Acq: 21 Jun 2024 14:09

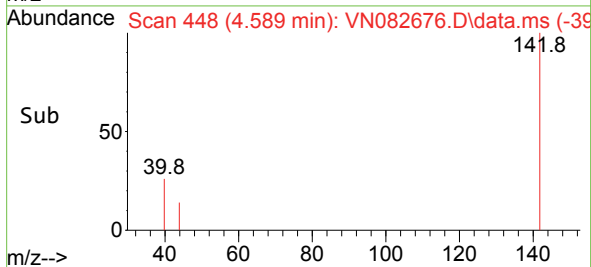
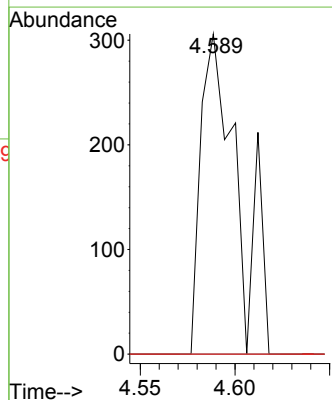
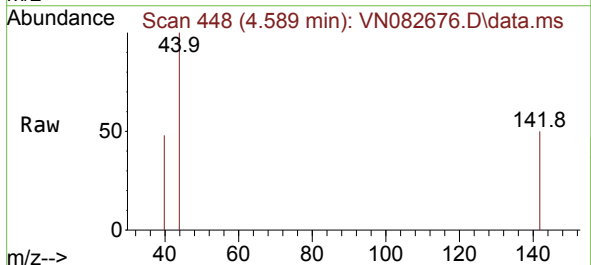
Instrument :
MSVOA_N
ClientSampleId :

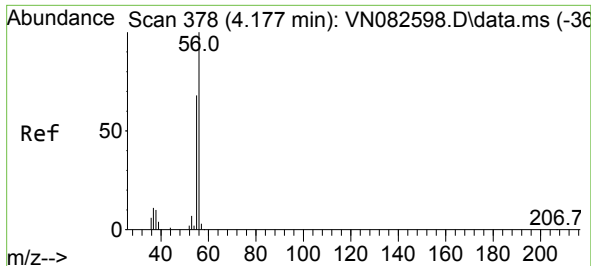
Tgt Ion: 94 Resp: 947
Ion Ratio Lower Upper
94 100
96 85.0 78.0 117.0



#10
Methyl Iodide
Concen: 0.326 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN082676.D
Acq: 21 Jun 2024 14:09

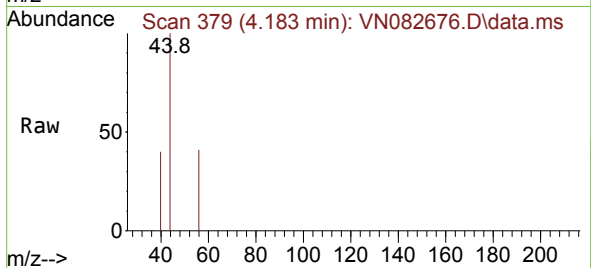
Tgt Ion:142 Resp: 418
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 13.1 19.7#



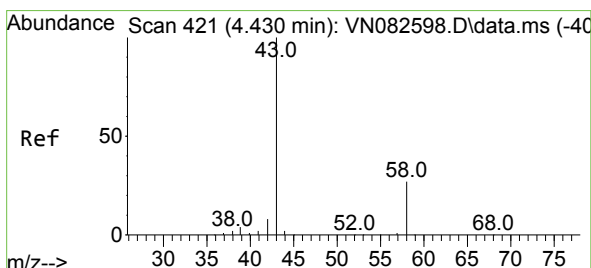
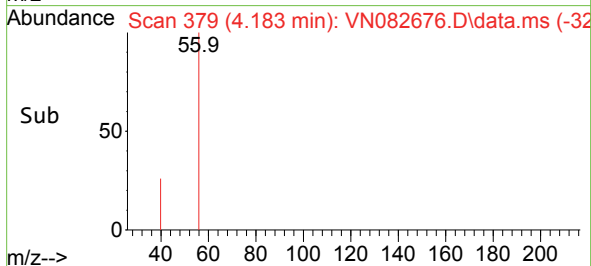
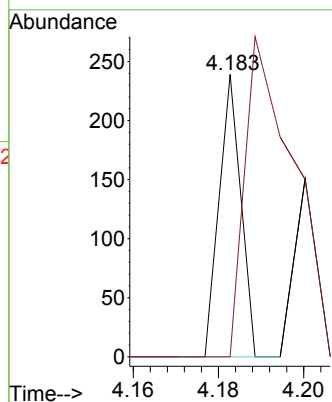


#13
Acrolein
Concen: 0.272 ug/l
RT: 4.183 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN082676.D
Acq: 21 Jun 2024 14:09

Instrument :
MSVOA_N
ClientSampleId :

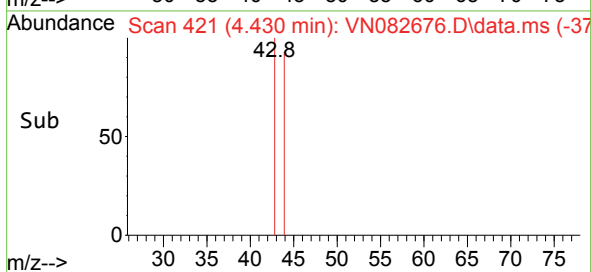
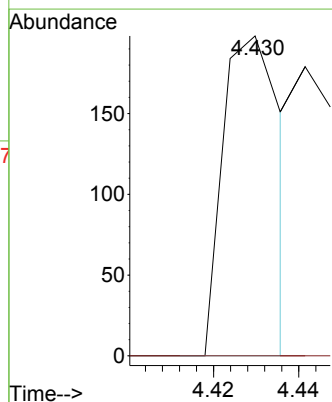
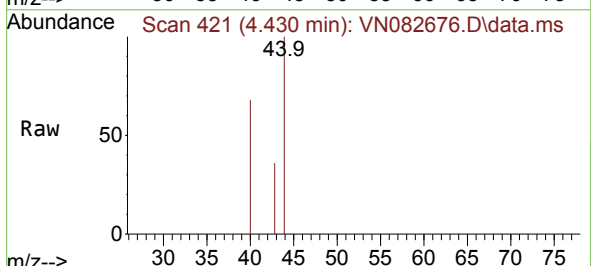


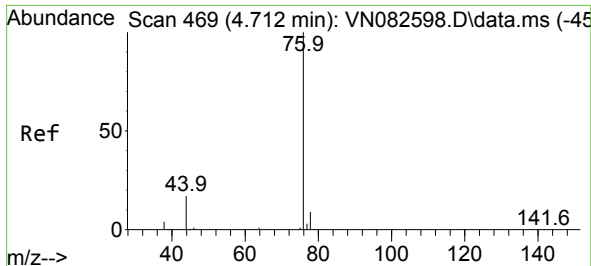
Tgt Ion: 56 Resp: 84
Ion Ratio Lower Upper
56 100
55 254.8 56.4 84.6#



#16
Acetone
Concen: 0.223 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN082676.D
Acq: 21 Jun 2024 14:09

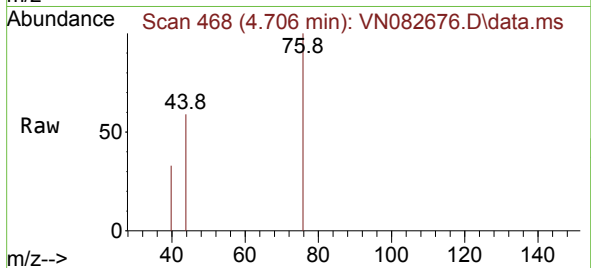
Tgt Ion: 43 Resp: 188
Ion Ratio Lower Upper
43 100
58 0.0 21.8 32.6#



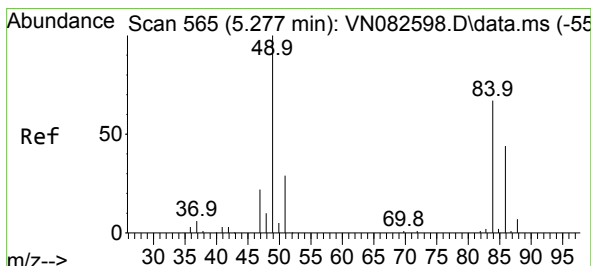
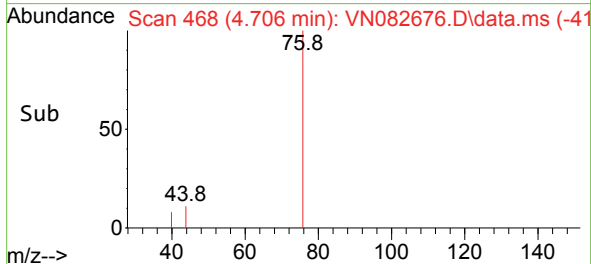
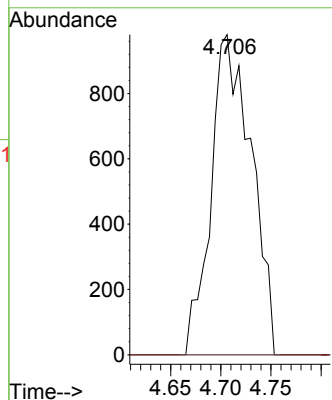


#17
Carbon Disulfide
Concen: 0.671 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN082676.D
Acq: 21 Jun 2024 14:09

Instrument :
MSVOA_N
ClientSampleId :

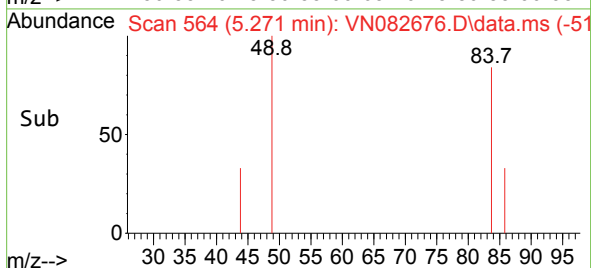
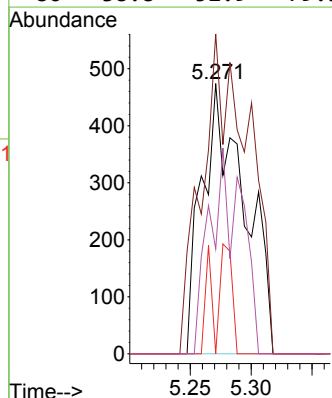
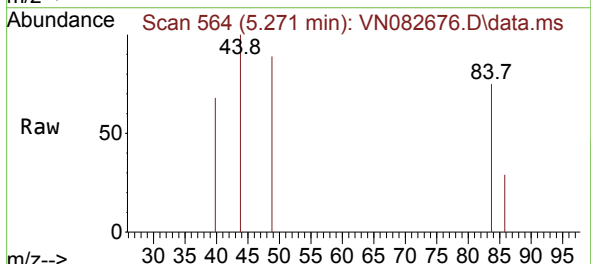


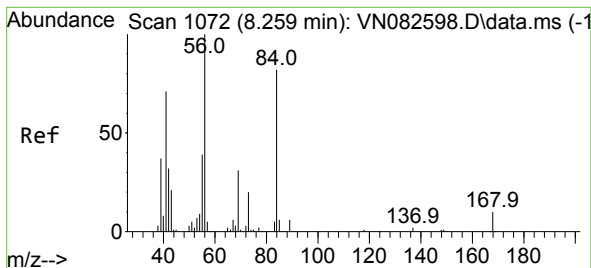
Tgt Ion: 76 Resp: 2740
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.779 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN082676.D
Acq: 21 Jun 2024 14:09

Tgt Ion: 84 Resp: 1154
Ion Ratio Lower Upper
84 100
49 118.4 119.6 179.4#
51 0.0 34.8 52.2#
86 38.8 52.9 79.3#





#31

Cyclohexane

Concen: 1.294 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.041 min

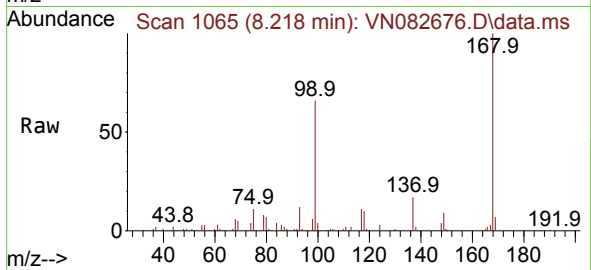
Lab File: VN082676.D

Acq: 21 Jun 2024 14:09

Instrument :

MSVOA_N

ClientSampleId :



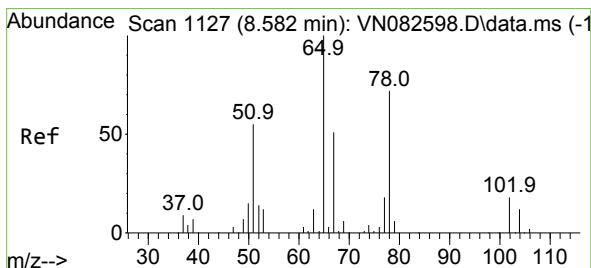
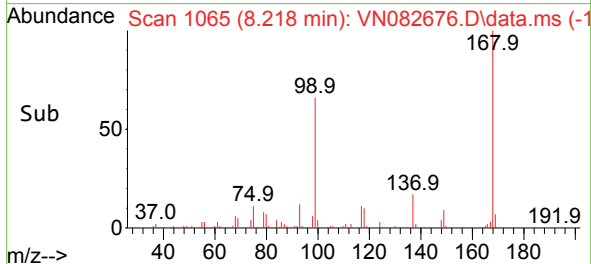
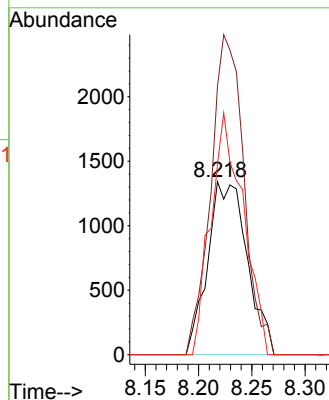
Tgt Ion: 56 Resp: 3458

Ion Ratio Lower Upper

56 100

69 155.3 24.5 36.7#

84 110.2 66.0 99.0#



#33

1,2-Dichloroethane-d4

Concen: 58.876 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082676.D

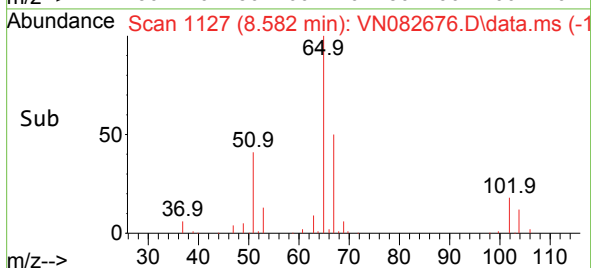
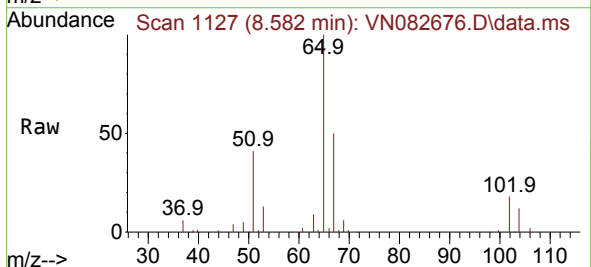
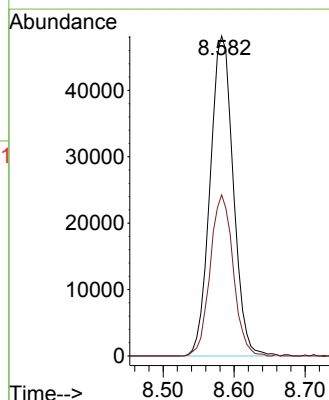
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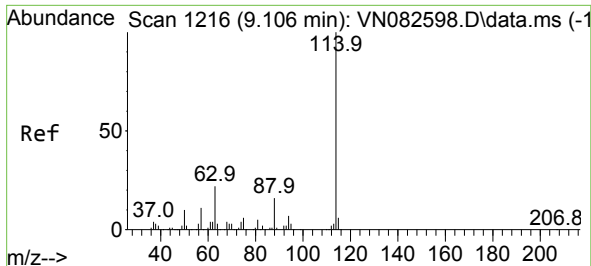
Tgt Ion: 65 Resp: 109028

Ion Ratio Lower Upper

65 100

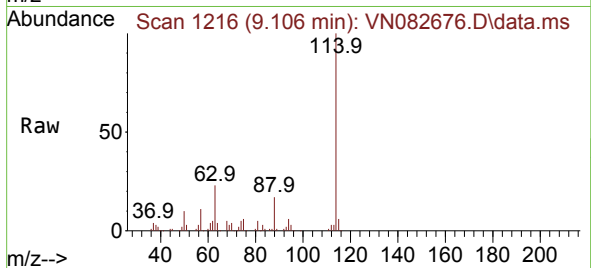
67 50.0 0.0 104.4



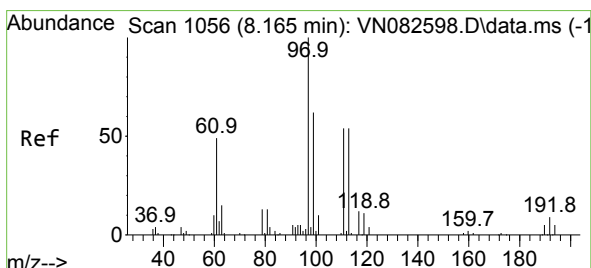
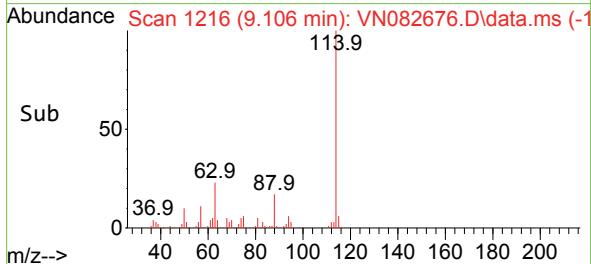
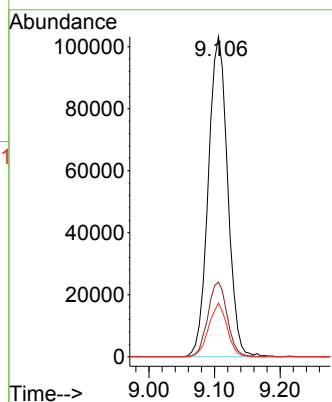


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1114
 Delta R.T. 0.000 min
 Lab File: VN082676.D
 Acq: 21 Jun 2024 14:09

Instrument :
 MSVOA_N
 ClientSampleId :

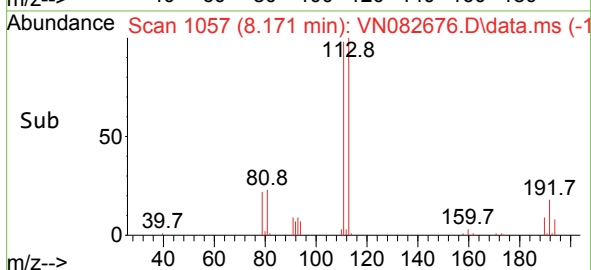
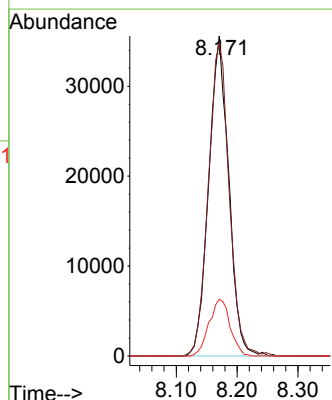
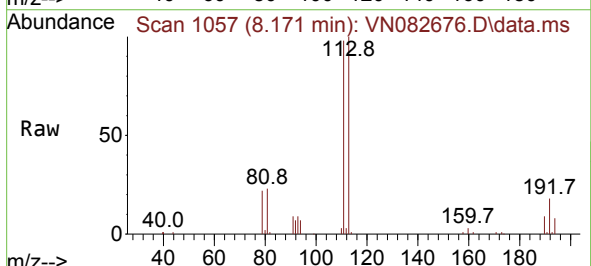


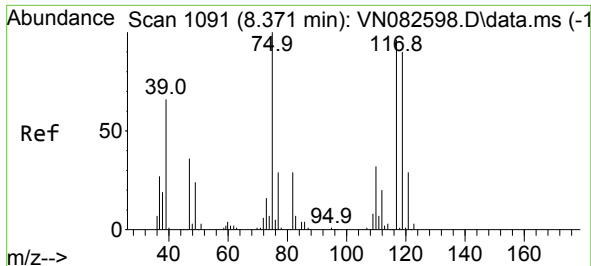
Tgt Ion:114 Resp: 211144
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 44.6
 88 16.7 0.0 31.4



#35
 Dibromofluoromethane
 Concen: 56.805 ug/l
 RT: 8.171 min Scan# 1057
 Delta R.T. 0.006 min
 Lab File: VN082676.D
 Acq: 21 Jun 2024 14:09

Tgt Ion:113 Resp: 81367
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.4 123.6
 192 18.6 14.9 22.3





#36

1,1-Dichloropropene

Concen: 5.040 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

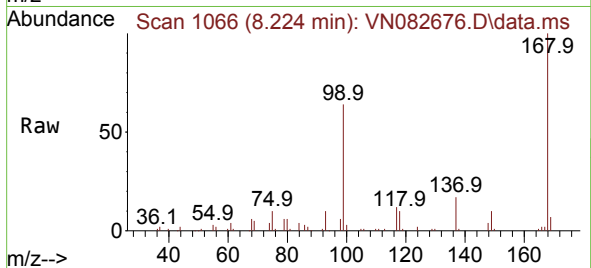
Lab File: VN082676.D

Acq: 21 Jun 2024 14:09

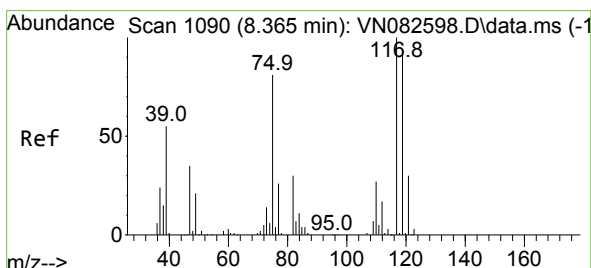
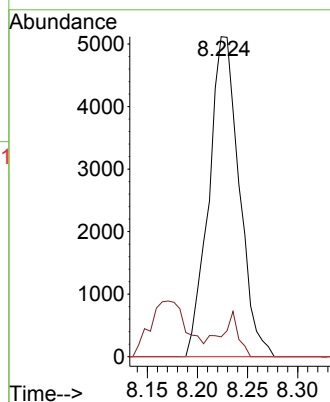
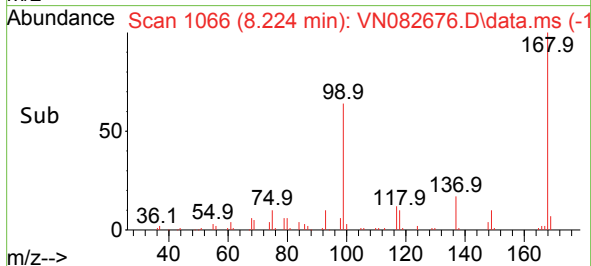
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	10792
Ion	Ratio	Lower	Upper
75	100		
110	8.4	16.3	48.9#
77	0.0	24.6	37.0#



#38

Carbon Tetrachloride

Concen: 5.153 ug/l

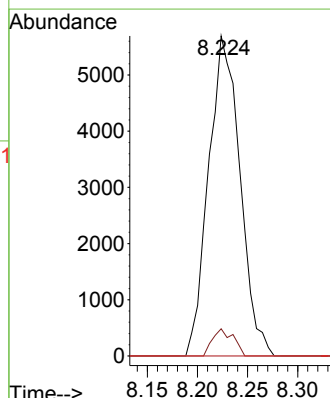
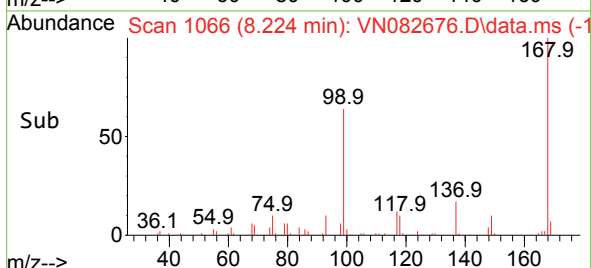
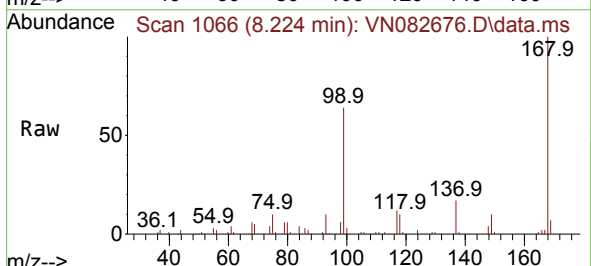
RT: 8.224 min Scan# 1066

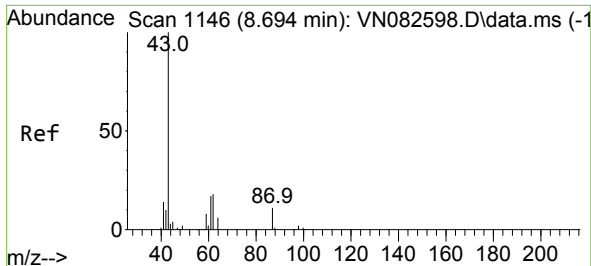
Delta R.T. -0.141 min

Lab File: VN082676.D

Acq: 21 Jun 2024 14:09

Tgt Ion:	117	Resp:	12434
Ion	Ratio	Lower	Upper
117	100		
119	8.5	74.9	112.3#
121	0.0	24.3	36.5#

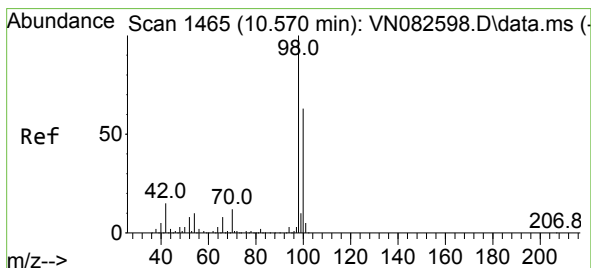
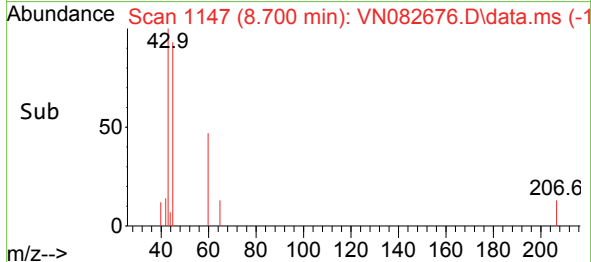
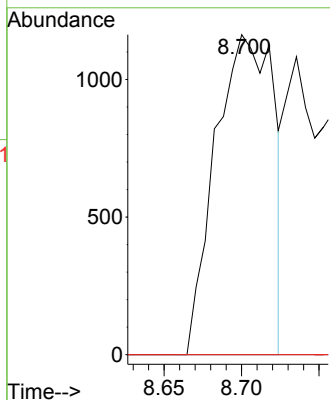
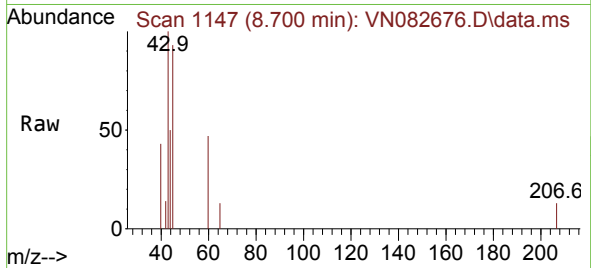




#43
Isopropyl Acetate
Concen: 0.597 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN082676.D
Acq: 21 Jun 2024 14:09

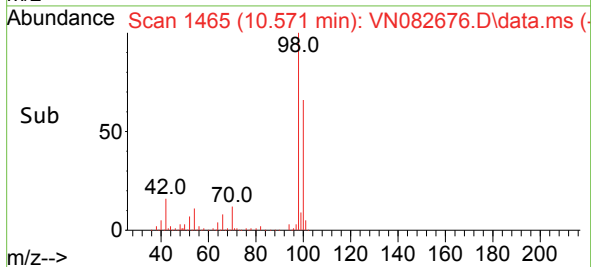
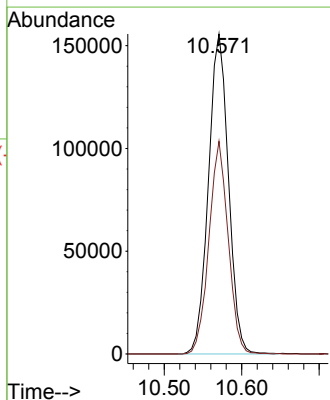
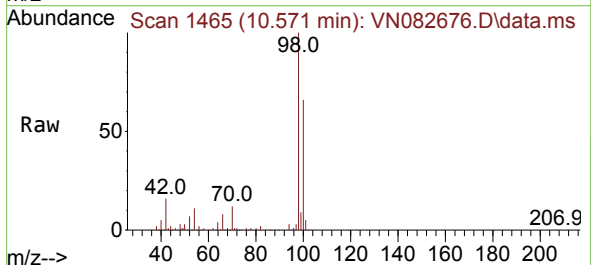
Instrument :
MSVOA_N
ClientSampleId :

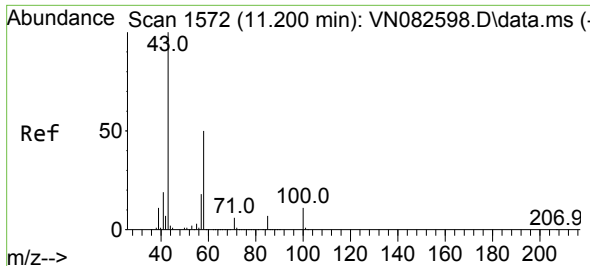
Tgt Ion: 43 Resp: 3043
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#



#50
Toluene-d8
Concen: 51.627 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082676.D
Acq: 21 Jun 2024 14:09

Tgt Ion: 98 Resp: 279653
Ion Ratio Lower Upper
98 100
100 63.8 51.5 77.3

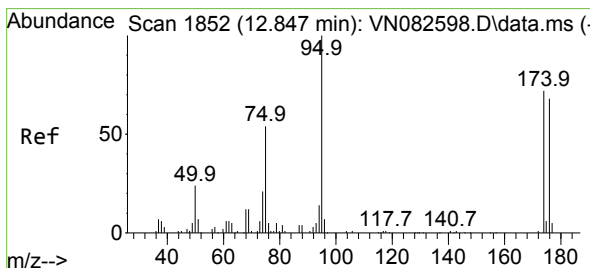
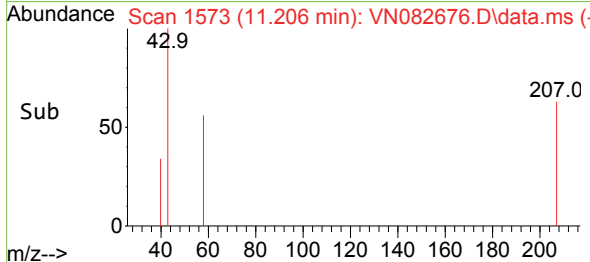
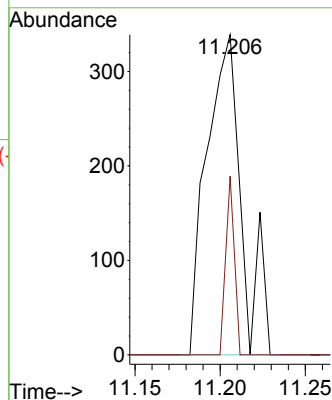
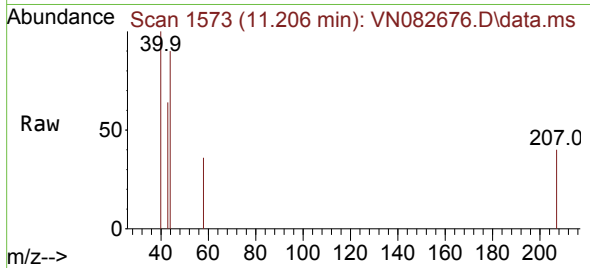




#59
2-Hexanone
Concen: 0.244 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082676.D
Acq: 21 Jun 2024 14:09

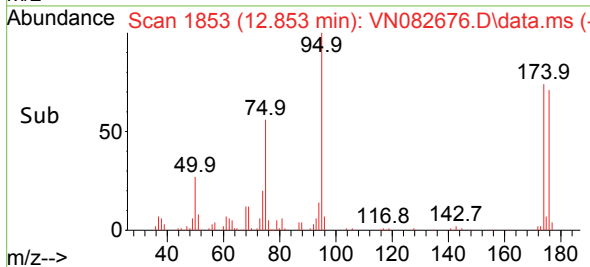
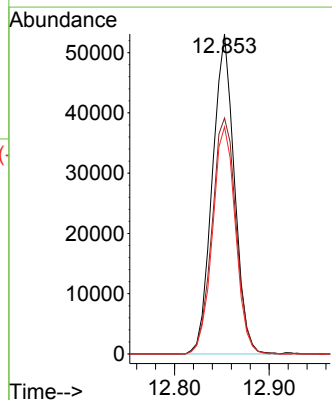
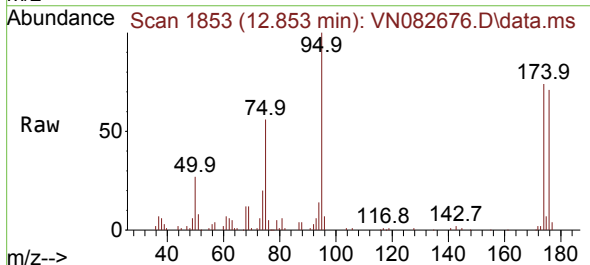
Instrument :
MSVOA_N
ClientSampleId :

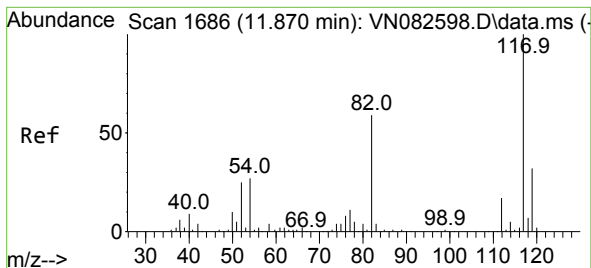
Tgt Ion: 43 Resp: 484
Ion Ratio Lower Upper
43 100
58 13.8 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 45.815 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082676.D
Acq: 21 Jun 2024 14:09

Tgt Ion: 95 Resp: 85560
Ion Ratio Lower Upper
95 100
174 80.3 0.0 159.2
176 74.1 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN082676.D

Acq: 21 Jun 2024 14:09

Instrument :

MSVOA_N

ClientSampleId :

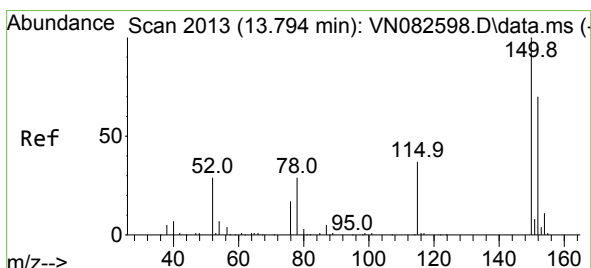
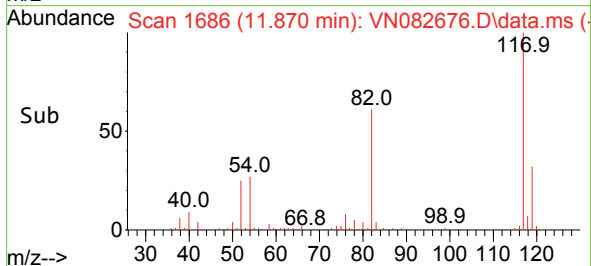
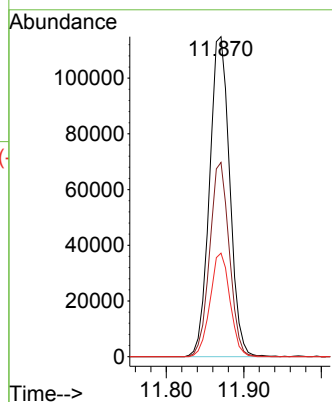
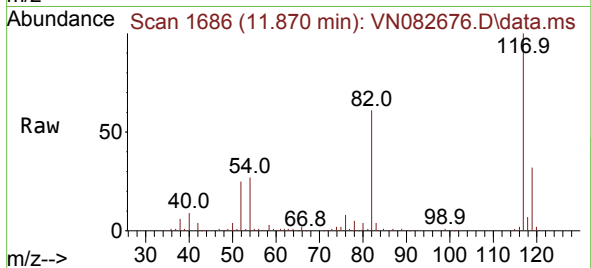
Tgt Ion:117 Resp: 207851

Ion Ratio Lower Upper

117 100

82 60.7 47.5 71.3

119 32.3 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN082676.D

Acq: 21 Jun 2024 14:09

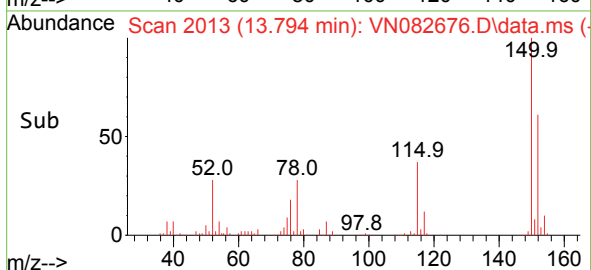
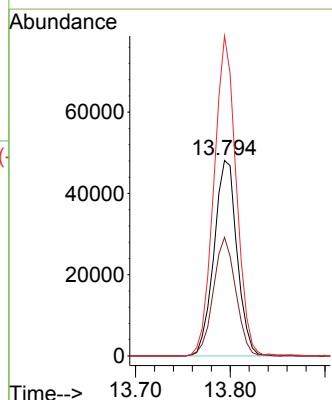
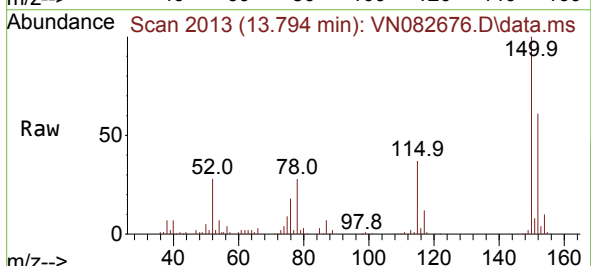
Tgt Ion:152 Resp: 81404

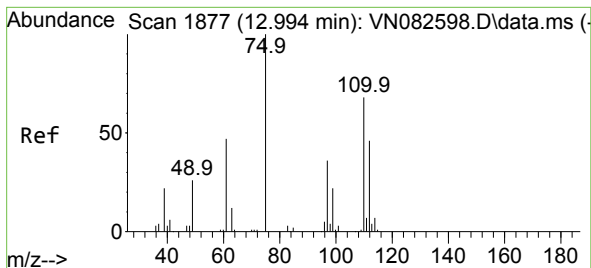
Ion Ratio Lower Upper

152 100

115 58.9 30.6 91.6

150 158.5 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 25.016 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082676.D

Acq: 21 Jun 2024 14:09

Instrument :

MSVOA_N

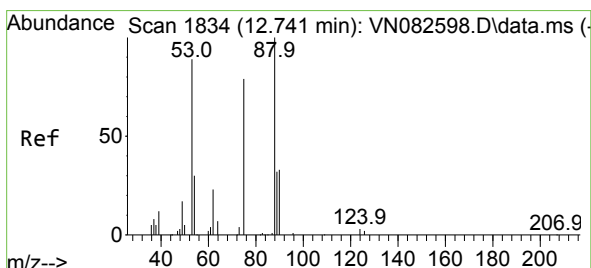
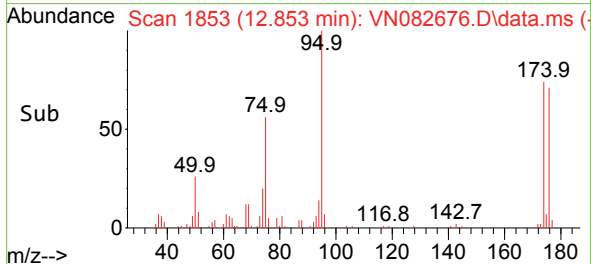
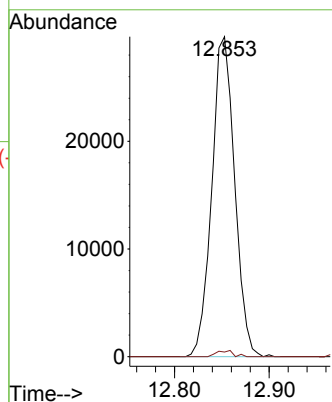
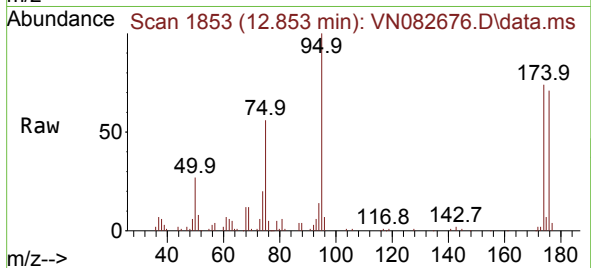
ClientSampleId :

Tgt Ion: 75 Resp: 49807

Ion Ratio Lower Upper

75 100

77 1.4 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.849 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN082676.D

Acq: 21 Jun 2024 14:09

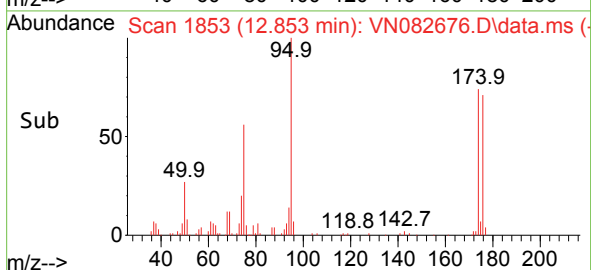
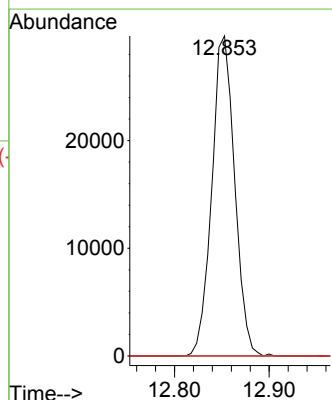
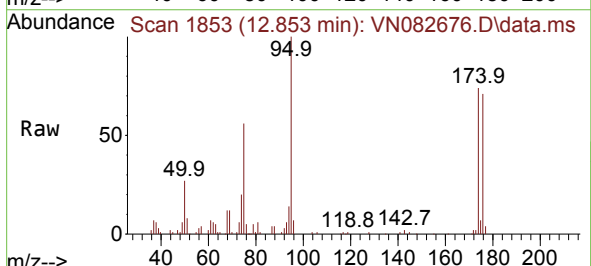
Tgt Ion: 75 Resp: 49807

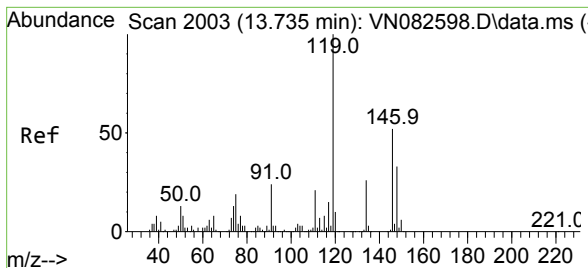
Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#





#87

1,3-Dichlorobenzene

Concen: 0.205 ug/l

RT: 13.741 min Scan# 2018

Delta R.T. 0.006 min

Lab File: VN082676.D

Acq: 21 Jun 2024 14:09

Instrument :

MSVOA_N

ClientSampleId :

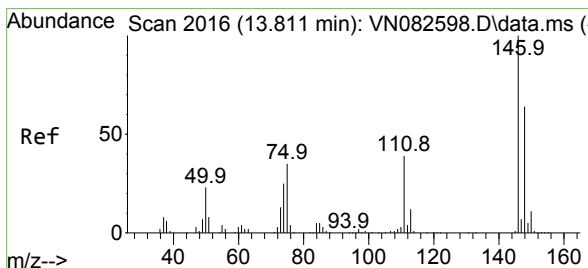
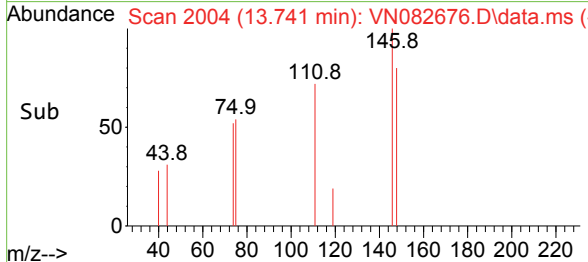
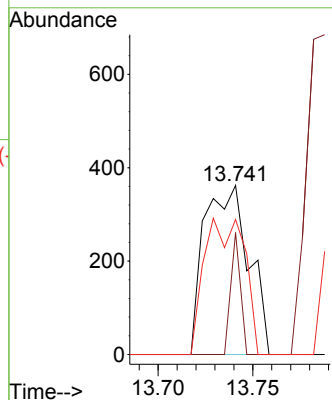
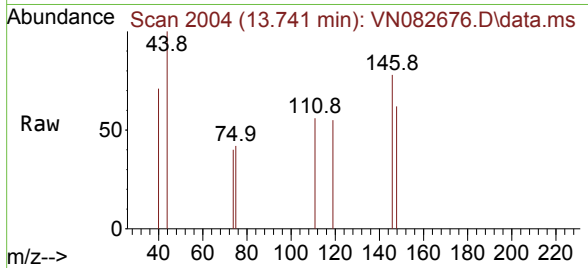
Tgt Ion:146 Resp: 591

Ion Ratio Lower Upper

146 100

111 15.6 20.6 61.9#

148 72.8 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.343 ug/l

RT: 13.823 min Scan# 2018

Delta R.T. 0.012 min

Lab File: VN082676.D

Acq: 21 Jun 2024 14:09

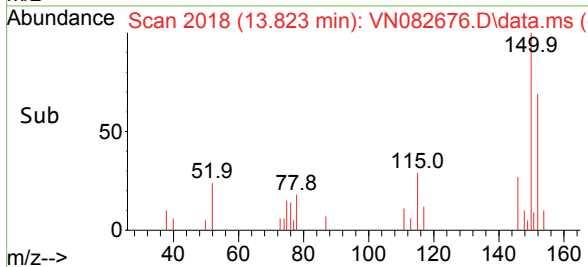
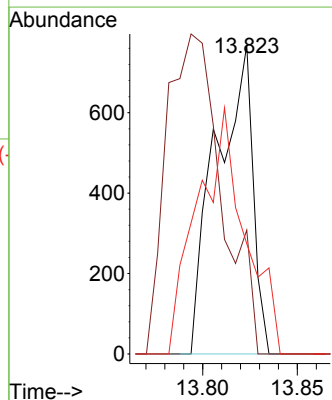
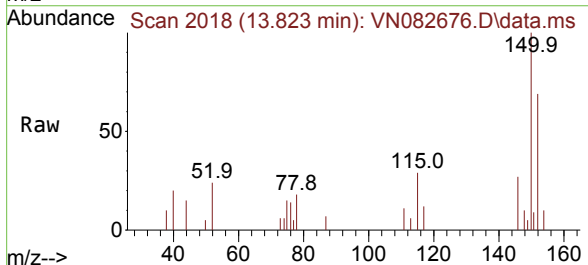
Tgt Ion:146 Resp: 1033

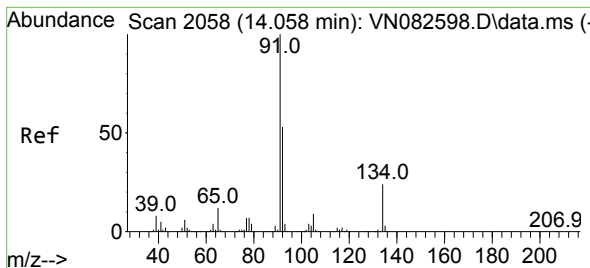
Ion Ratio Lower Upper

146 100

111 0.0 20.1 60.3#

148 102.9 32.2 96.6#





#89

n-Butylbenzene

Concen: 0.308 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.000 min

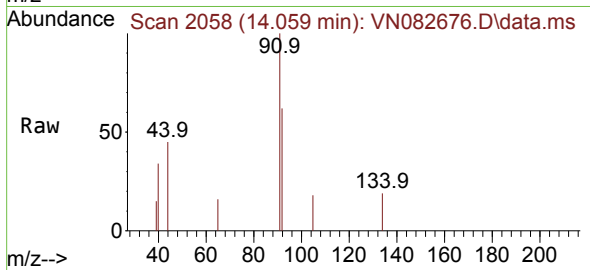
Lab File: VN082676.D

Acq: 21 Jun 2024 14:09

Instrument :

MSVOA_N

ClientSampleId :



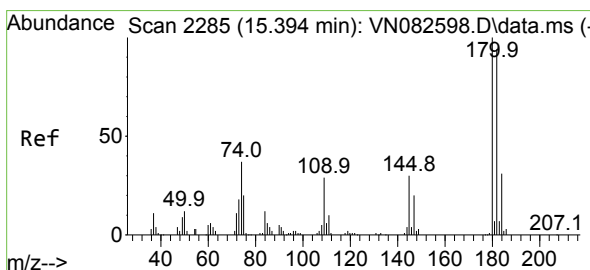
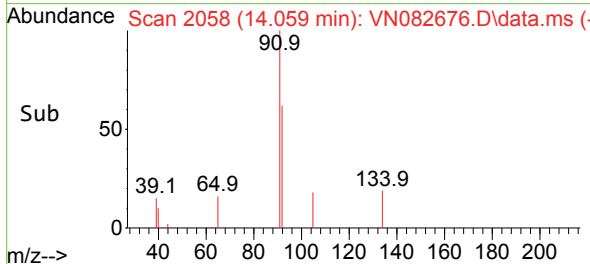
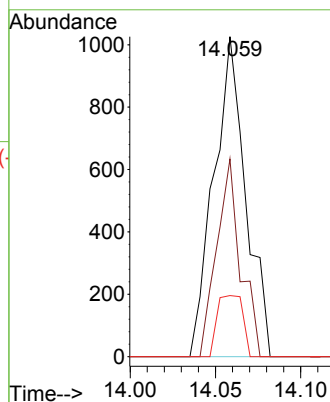
Tgt Ion: 91 Resp: 1336

Ion Ratio Lower Upper

91 100

92 46.3 26.1 78.3

134 15.3 12.1 36.3



#93

1,2,4-Trichlorobenzene

Concen: 0.559 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. -0.000 min

Lab File: VN082676.D

Acq: 21 Jun 2024 14:09

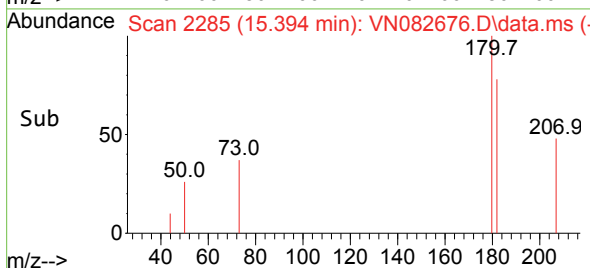
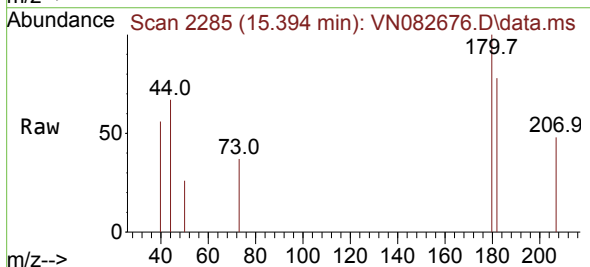
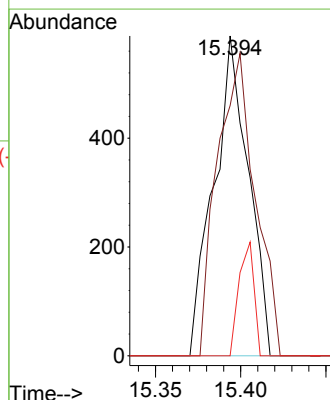
Tgt Ion: 180 Resp: 831

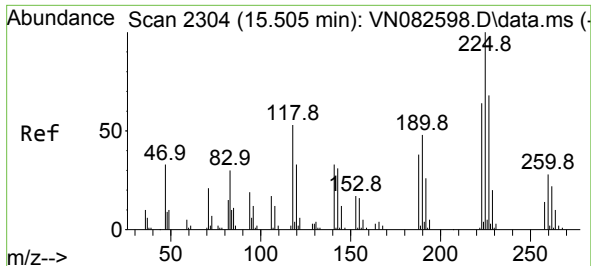
Ion Ratio Lower Upper

180 100

182 103.5 47.3 141.8

145 15.4 15.7 47.1#

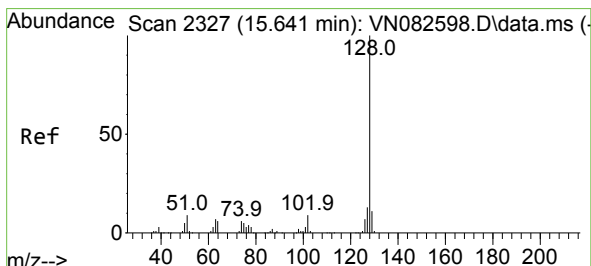
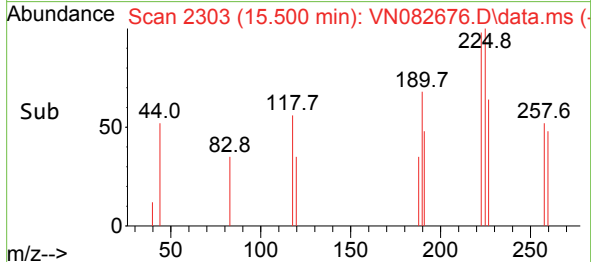
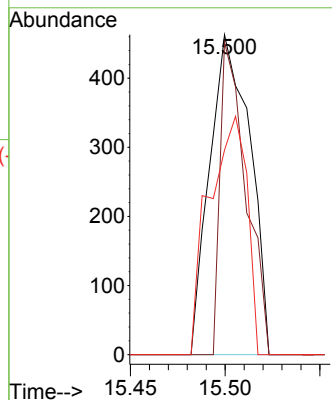
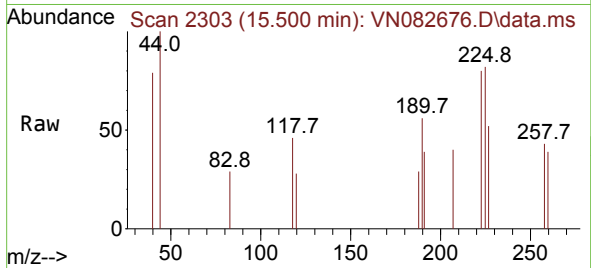




#94
Hexachlorobutadiene
Concen: 0.930 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN082676.D
Acq: 21 Jun 2024 14:09

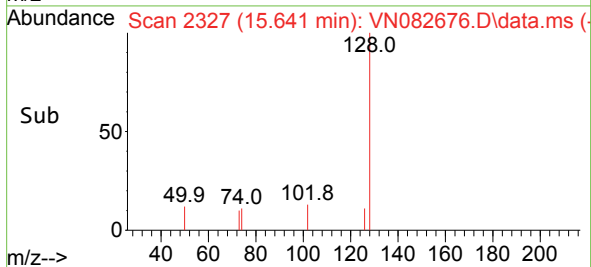
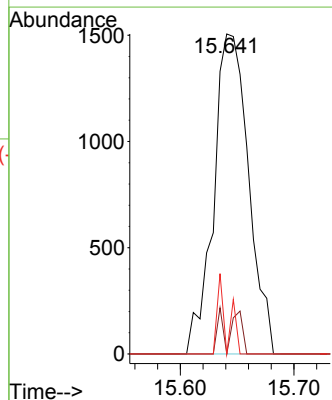
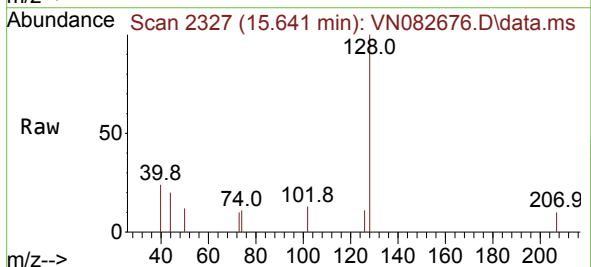
Instrument :
MSVOA_N
ClientSampleId :

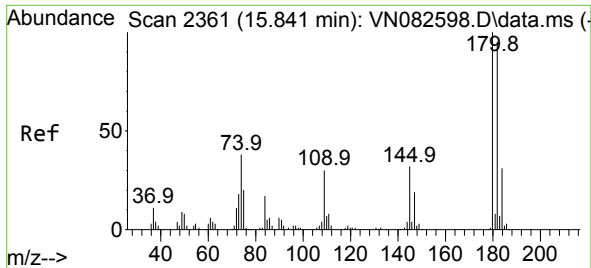
Tgt Ion:225 Resp: 681
Ion Ratio Lower Upper
225 100
223 62.8 31.9 95.7
227 70.5 32.5 97.5



#95
Naphthalene
Concen: 0.706 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN082676.D
Acq: 21 Jun 2024 14:09

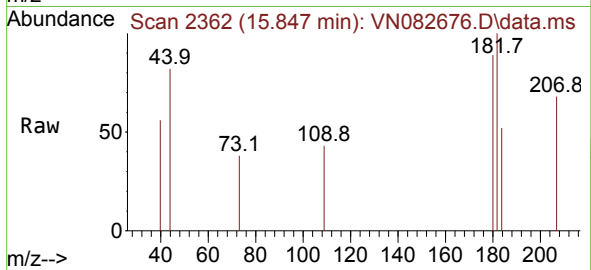
Tgt Ion:128 Resp: 3224
Ion Ratio Lower Upper
128 100
127 2.4 10.6 16.0#
129 6.9 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.764 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN082676.D
 Acq: 21 Jun 2024 14:09

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1156
 Ion Ratio Lower Upper
 180 100
 182 96.5 48.9 146.8
 145 10.5 16.8 50.4#

