

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061324\
 Data File : VN082554.D
 Acq On : 13 Jun 2024 13:06
 Operator : JC\MD
 Sample : P2840-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP01-20240610

Quant Time: Jun 14 02:27:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

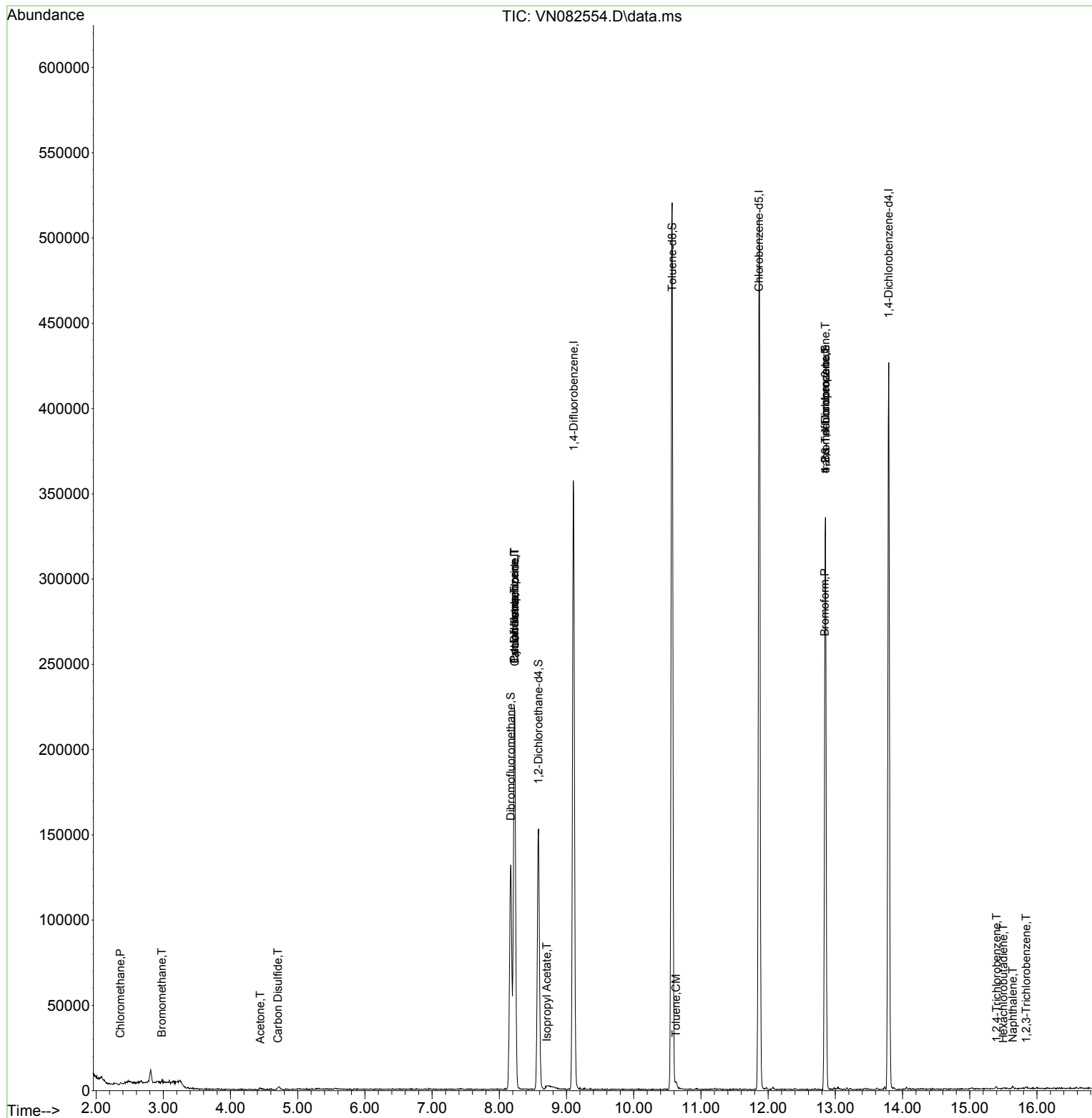
Internal Standards						
1) Pentafluorobenzene	8.224	168	159247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	284736	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	270158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	107087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	125948	50.088	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 100.180%		
35) Dibromofluoromethane	8.171	113	93175	53.195	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 106.400%		
50) Toluene-d8	10.571	98	337782	50.300	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 100.600%		
62) 4-Bromofluorobenzene	12.853	95	106209	44.312	ug/l	0.00
Spiked Amount	50.000	Range 64 - 133	Recovery	= 88.620%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	656	0.252	ug/l #	84
5) Bromomethane	2.977	94	946	0.673	ug/l #	53
16) Acetone	4.442	43	1758	1.704	ug/l #	70
17) Carbon Disulfide	4.706	76	1520	0.271	ug/l #	74
31) Cyclohexane	8.224	56	4594	1.144	ug/l #	41
36) 1,1-Dichloropropene	8.224	75	14016	4.771	ug/l #	50
38) Carbon Tetrachloride	8.230	117	16898	5.674	ug/l #	16
43) Isopropyl Acetate	8.706	43	2009	0.345	ug/l #	52
52) Toluene	10.630	92	1877	0.357	ug/l	96
71) Bromoform	12.841	173	291	0.885	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	62179	27.587	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	62179	64.525	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.400	180	613	0.315	ug/l #	85
94) Hexachlorobutadiene	15.500	225	269	0.315	ug/l	82
95) Naphthalene	15.641	128	1829	0.299	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.841	180	710	0.364	ug/l #	51

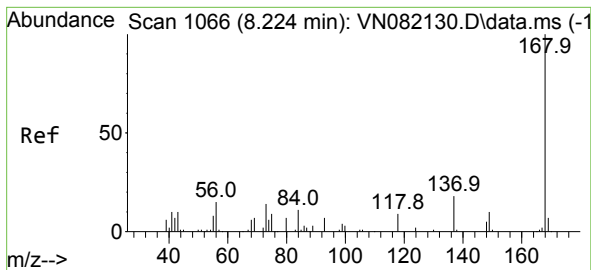
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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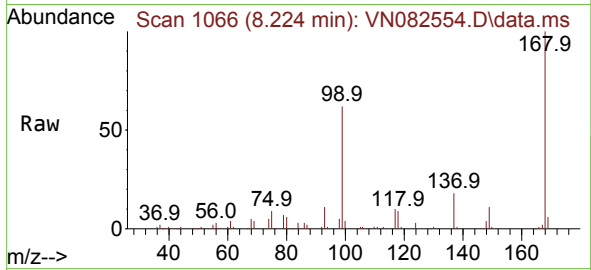
Quant Time: Jun 14 02:27:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



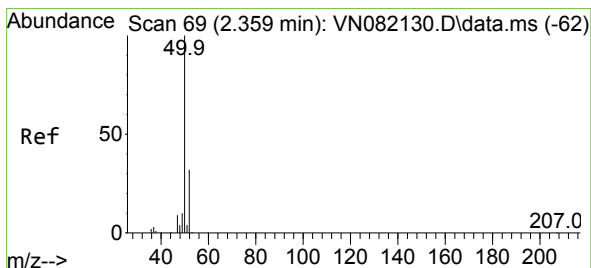
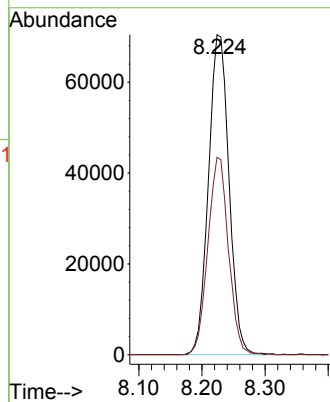
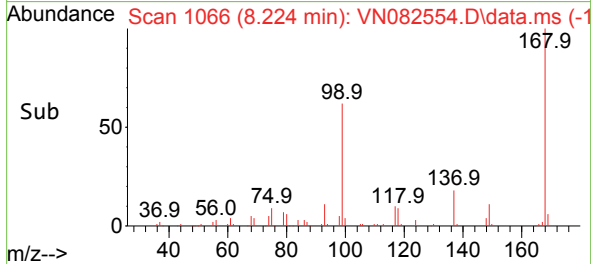


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082554.D
Acq: 13 Jun 2024 13:06

Instrument :
MSVOA_N
ClientSampleId :
DUP01-20240610

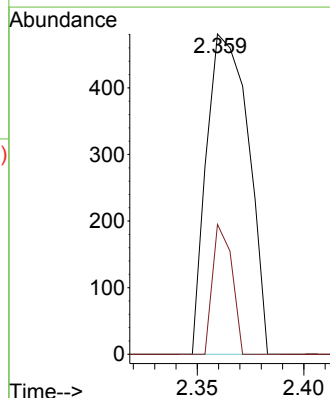
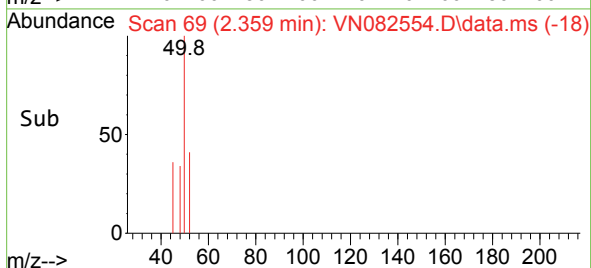
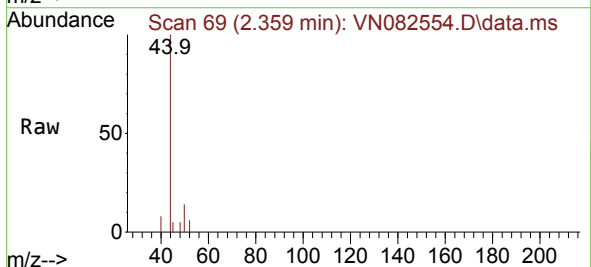


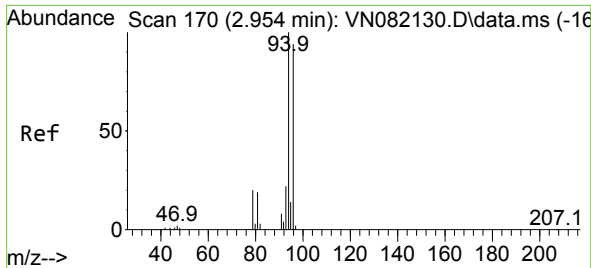
Tgt Ion:168 Resp: 159247
Ion Ratio Lower Upper
168 100
99 61.7 48.2 72.4



#3
Chloromethane
Concen: 0.252 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN082554.D
Acq: 13 Jun 2024 13:06

Tgt Ion: 50 Resp: 656
Ion Ratio Lower Upper
50 100
52 40.5 25.5 38.3#

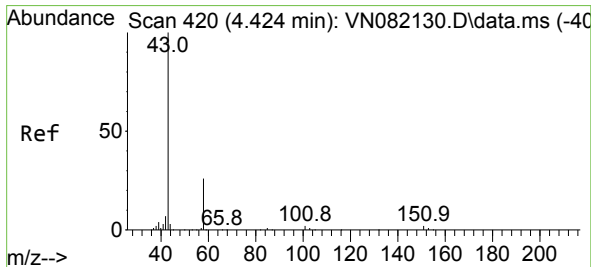
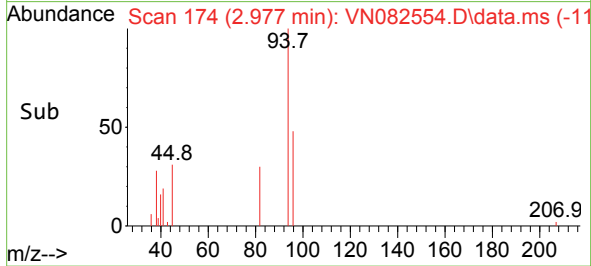
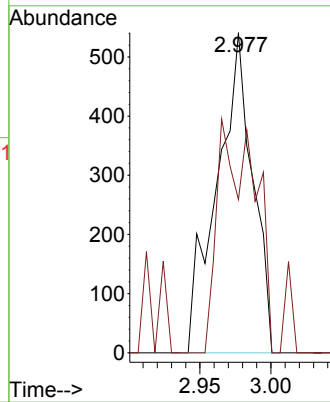
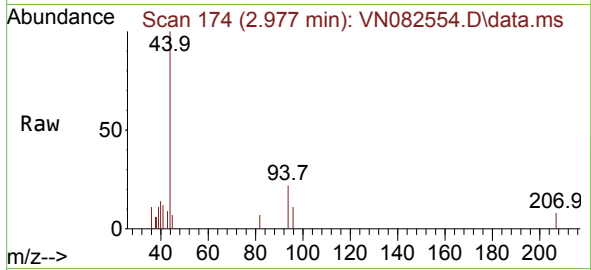




#5
Bromomethane
Concen: 0.673 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN082554.D
Acq: 13 Jun 2024 13:06

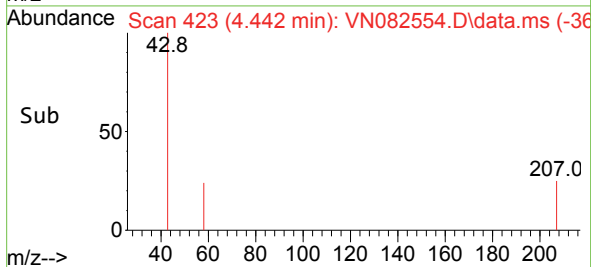
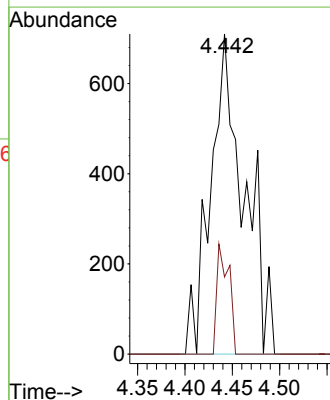
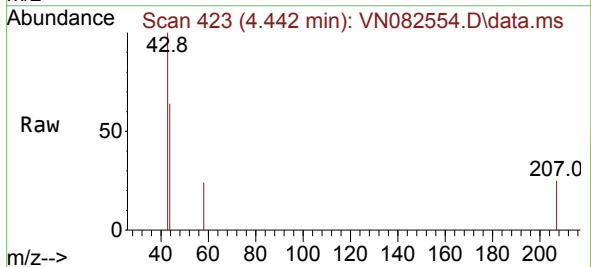
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20240610

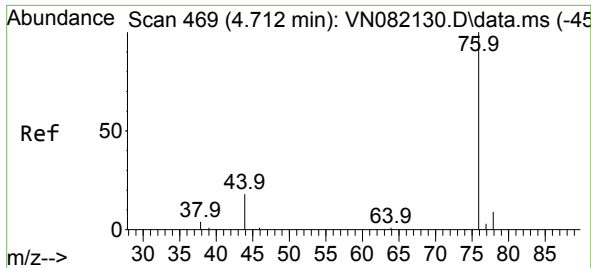
Tgt Ion: 94 Resp: 946
Ion Ratio Lower Upper
94 100
96 47.9 74.8 112.2#



#16
Acetone
Concen: 1.704 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN082554.D
Acq: 13 Jun 2024 13:06

Tgt Ion: 43 Resp: 1758
Ion Ratio Lower Upper
43 100
58 14.7 25.2 37.8#

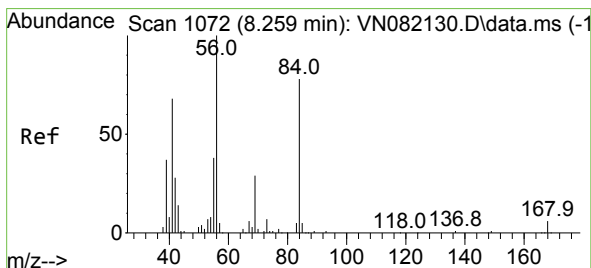
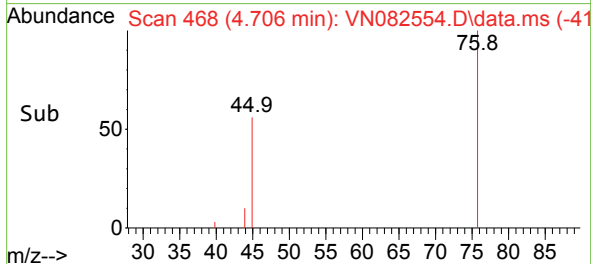
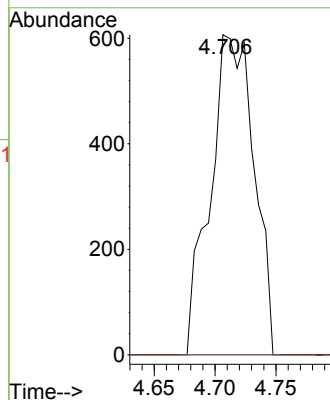
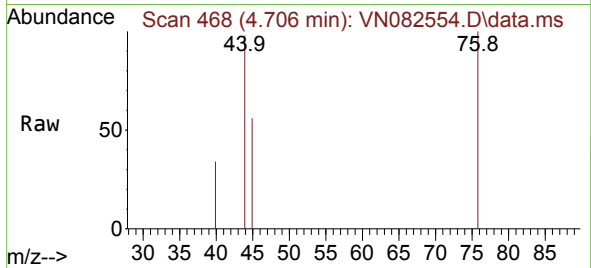




#17
Carbon Disulfide
Concen: 0.271 ug/l
RT: 4.706 min Scan# 410
Delta R.T. -0.006 min
Lab File: VN082554.D
Acq: 13 Jun 2024 13:06

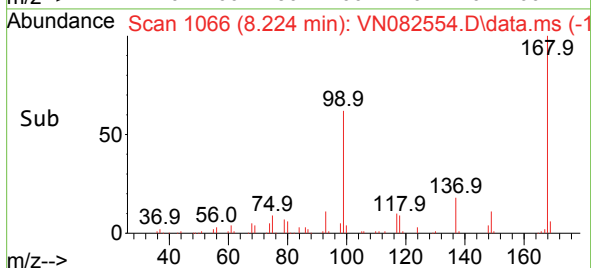
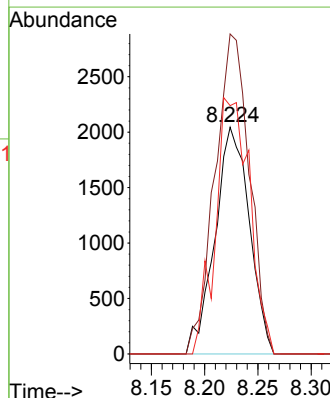
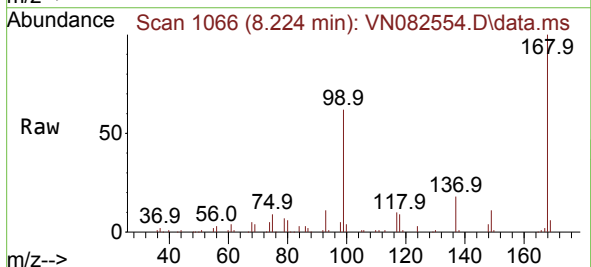
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20240610

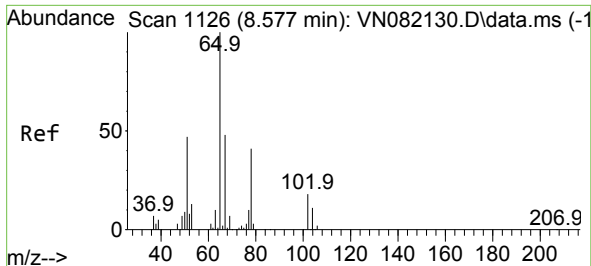
Tgt Ion: 76 Resp: 1520
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#31
Cyclohexane
Concen: 1.144 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082554.D
Acq: 13 Jun 2024 13:06

Tgt Ion: 56 Resp: 4594
Ion Ratio Lower Upper
56 100
69 141.1 24.4 36.6#
84 109.5 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 50.088 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082554.D

Acq: 13 Jun 2024 13:06

Instrument :

MSVOA_N

ClientSampleId :

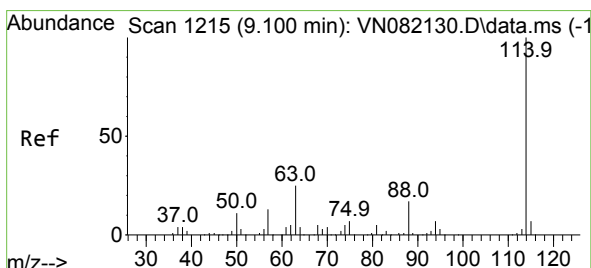
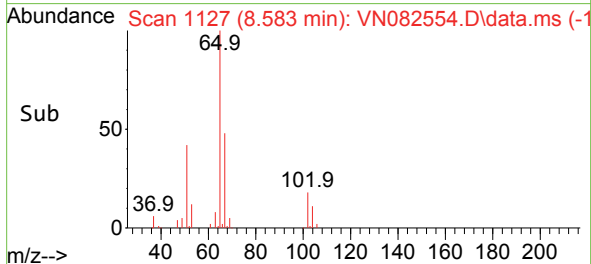
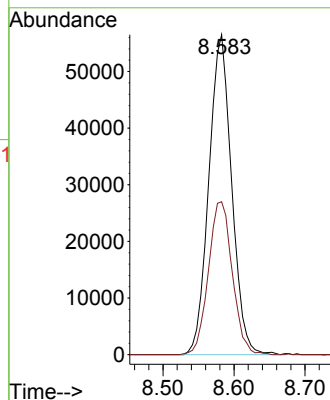
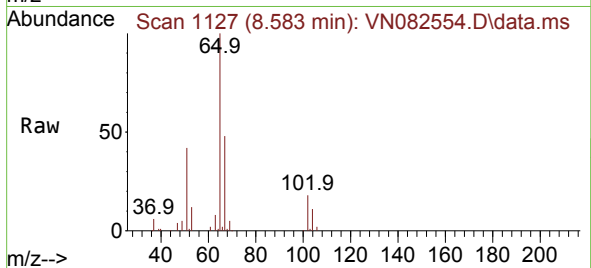
DUP01-20240610

Tgt Ion: 65 Resp: 125948

Ion Ratio Lower Upper

65 100

67 50.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082554.D

Acq: 13 Jun 2024 13:06

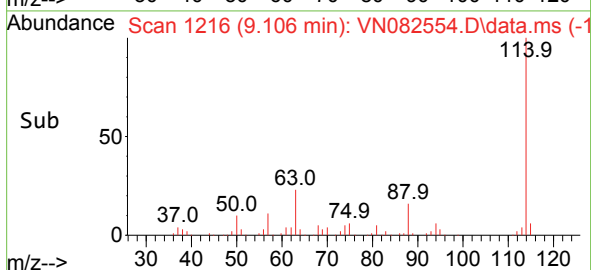
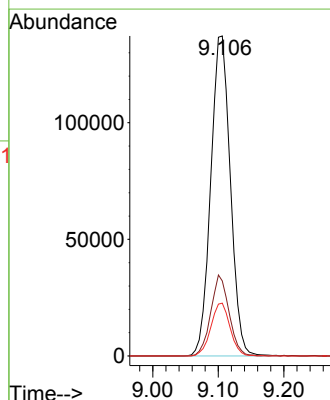
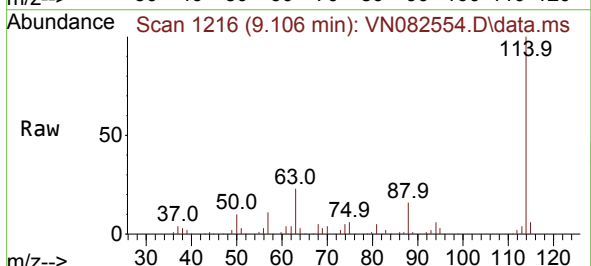
Tgt Ion: 114 Resp: 284736

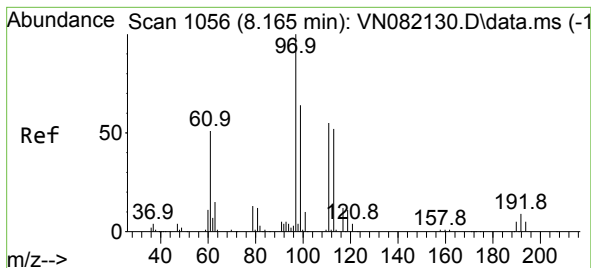
Ion Ratio Lower Upper

114 100

63 23.5 0.0 41.0

88 16.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.195 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082554.D

Acq: 13 Jun 2024 13:06

Instrument :

MSVOA_N

ClientSampleId :

DUP01-20240610

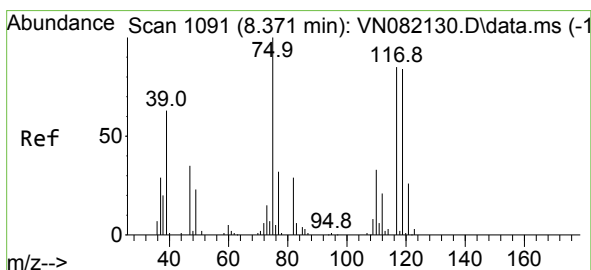
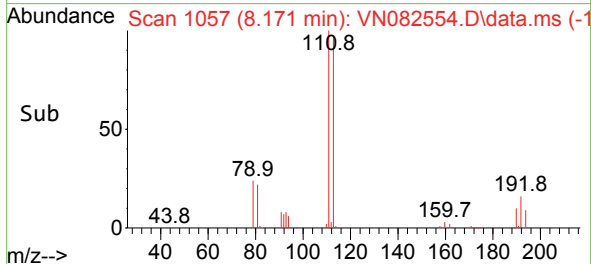
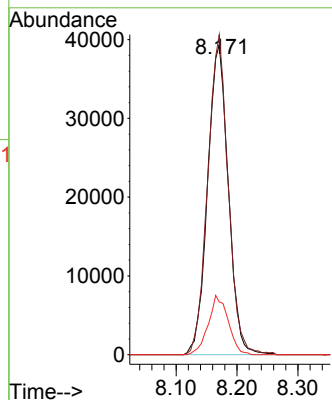
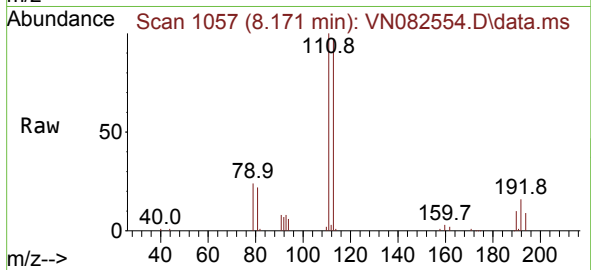
Tgt Ion:113 Resp: 93175

Ion Ratio Lower Upper

113 100

111 102.0 83.4 125.2

192 18.4 14.0 21.0



#36

1,1-Dichloropropene

Concen: 4.771 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN082554.D

Acq: 13 Jun 2024 13:06

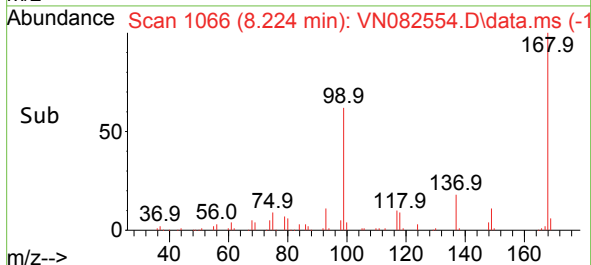
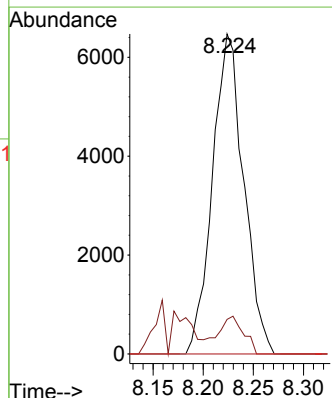
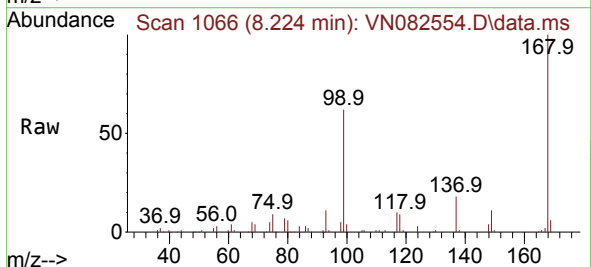
Tgt Ion: 75 Resp: 14016

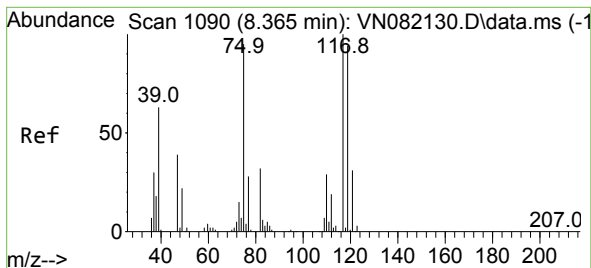
Ion Ratio Lower Upper

75 100

110 9.7 17.8 53.5#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.674 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.135 min

Lab File: VN082554.D

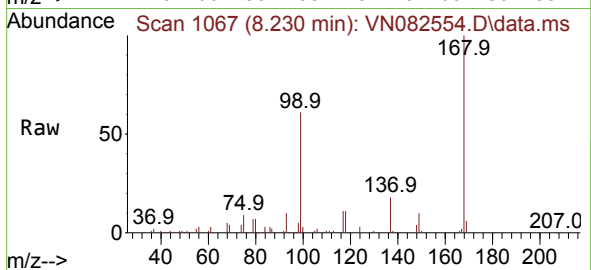
Acq: 13 Jun 2024 13:06

Instrument :

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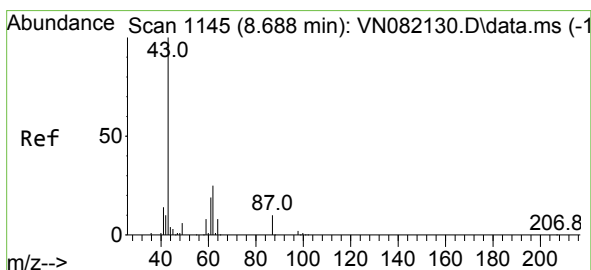
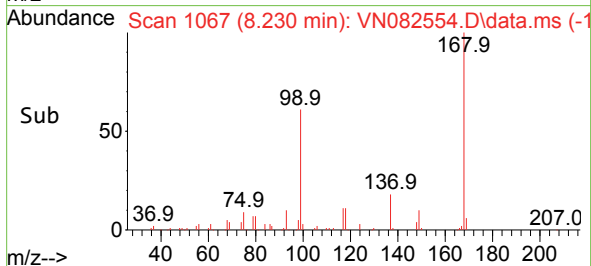
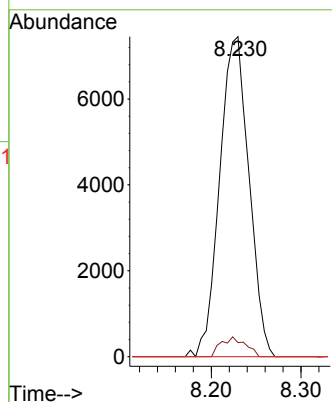
Tgt Ion:117 Resp: 16898

Ion Ratio Lower Upper

117 100

119 4.4 76.5 114.7#

121 0.0 23.9 35.9#



#43

Isopropyl Acetate

Concen: 0.345 ug/l

RT: 8.706 min Scan# 1148

Delta R.T. 0.018 min

Lab File: VN082554.D

Acq: 13 Jun 2024 13:06

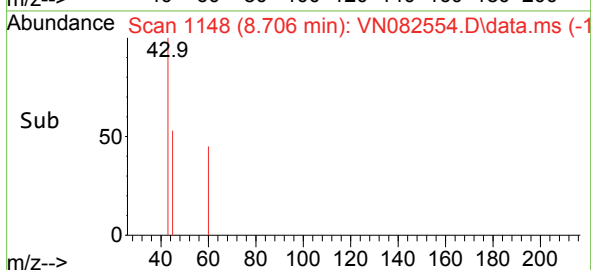
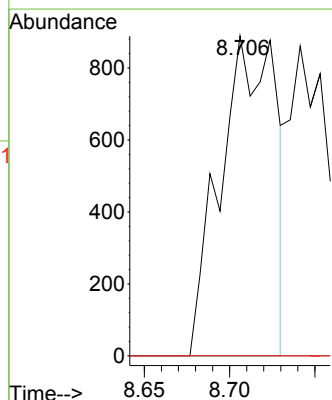
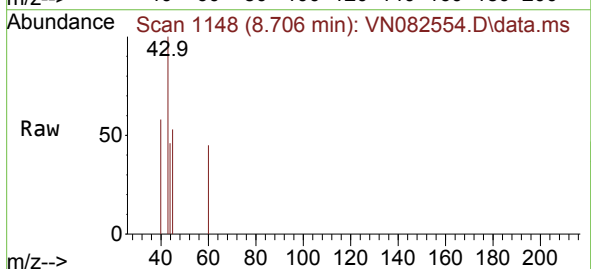
Tgt Ion: 43 Resp: 2009

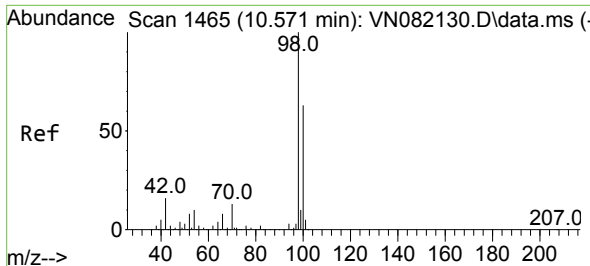
Ion Ratio Lower Upper

43 100

61 0.0 22.8 34.2#

87 0.0 12.0 18.0#

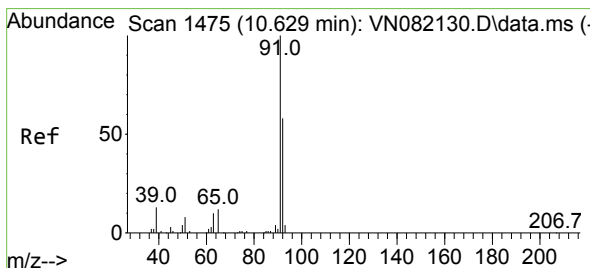
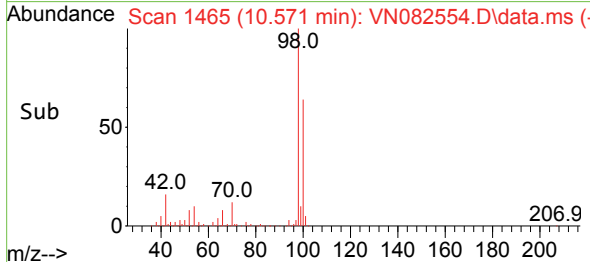
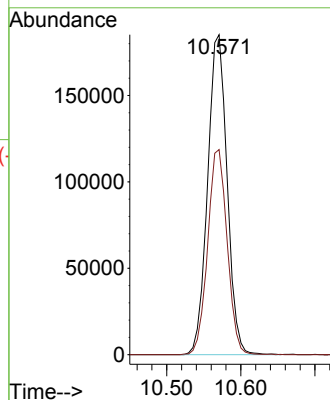
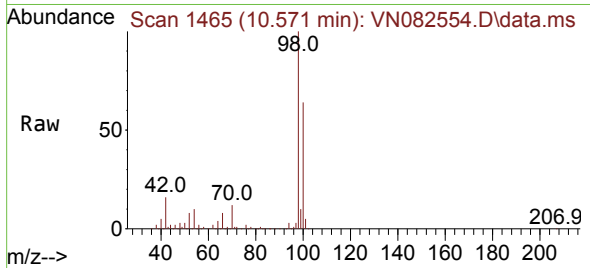




#50
Toluene-d8
Concen: 50.300 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082554.D
Acq: 13 Jun 2024 13:06

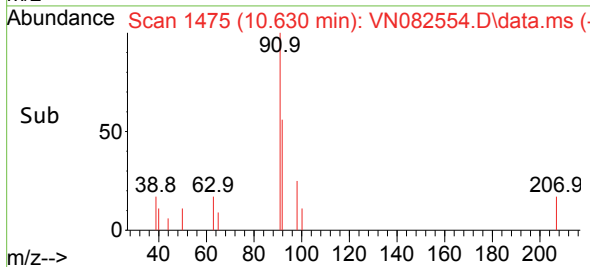
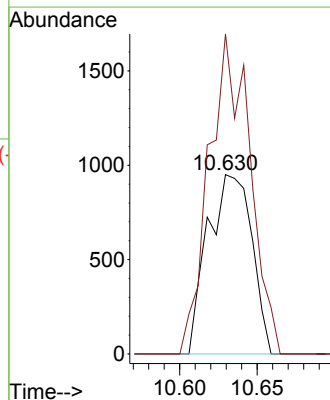
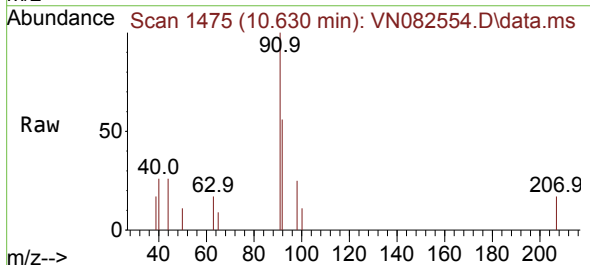
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20240610

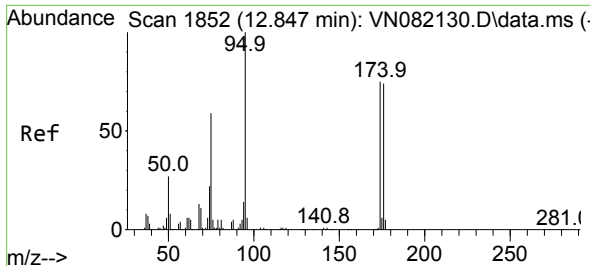
Tgt Ion: 98 Resp: 337782
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.6



#52
Toluene
Concen: 0.357 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN082554.D
Acq: 13 Jun 2024 13:06

Tgt Ion: 92 Resp: 1877
Ion Ratio Lower Upper
92 100
91 165.9 136.7 205.1

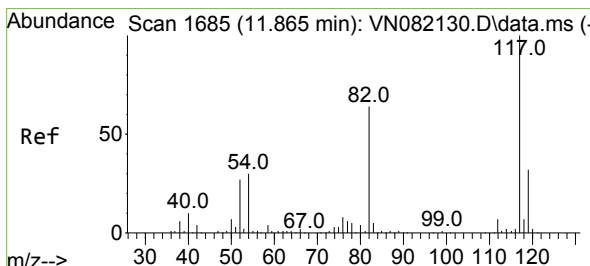
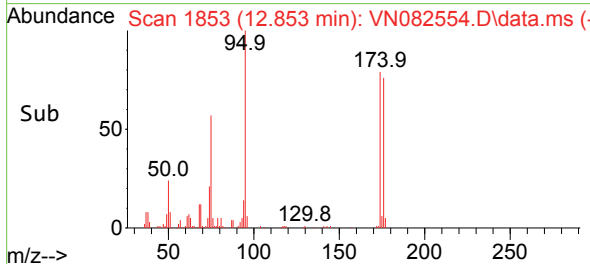
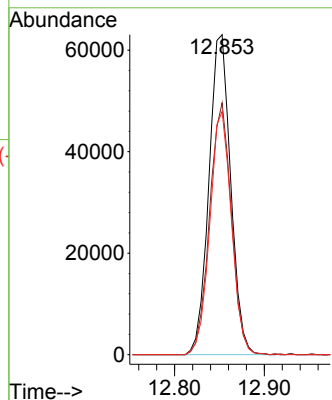
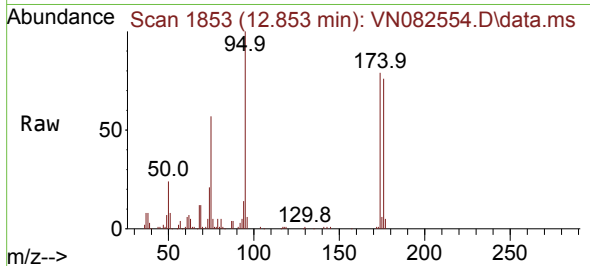




#62
4-Bromofluorobenzene
Concen: 44.312 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082554.D
Acq: 13 Jun 2024 13:06

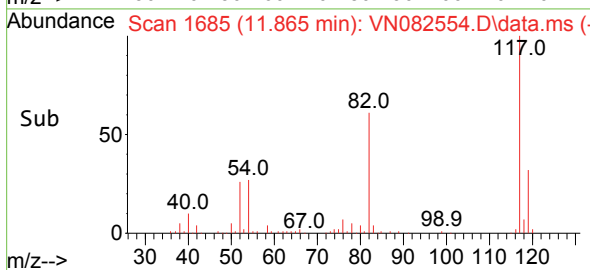
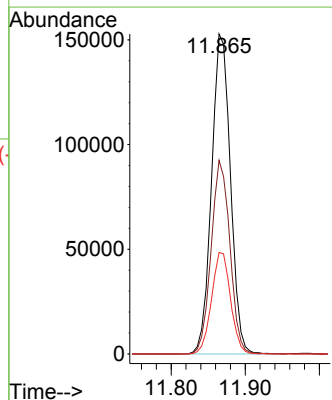
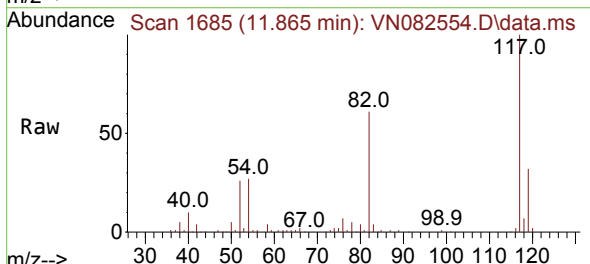
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20240610

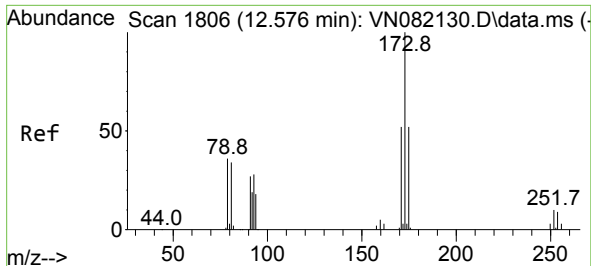
Tgt Ion: 95 Resp: 106209
Ion Ratio Lower Upper
95 100
174 78.8 0.0 160.6
176 75.5 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN082554.D
Acq: 13 Jun 2024 13:06

Tgt Ion: 117 Resp: 270158
Ion Ratio Lower Upper
117 100
82 60.5 44.6 66.8
119 31.7 25.9 38.9

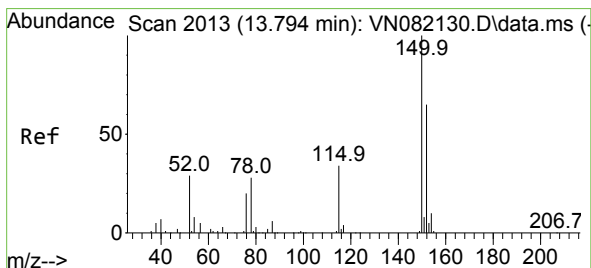
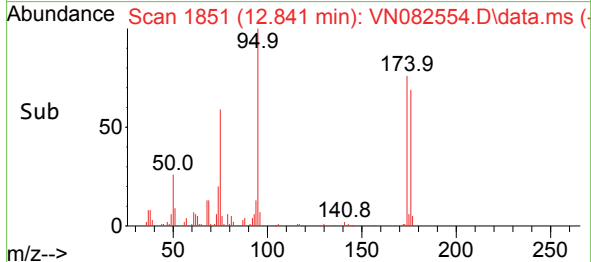
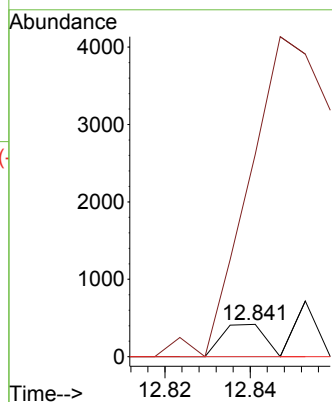
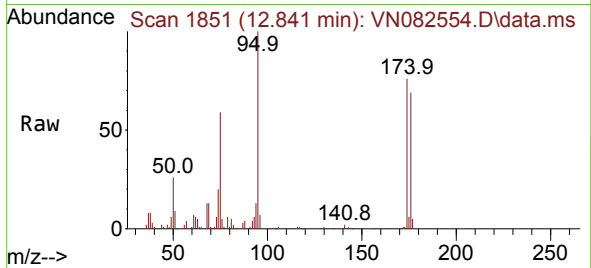




#71
Bromoform
Concen: 0.885 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN082554.D
Acq: 13 Jun 2024 13:06

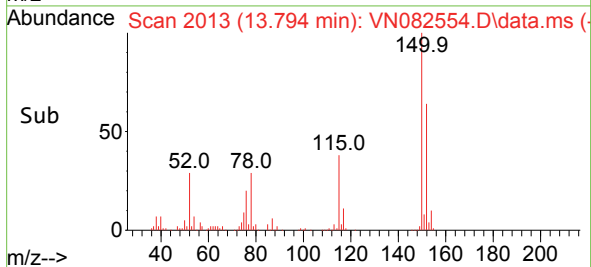
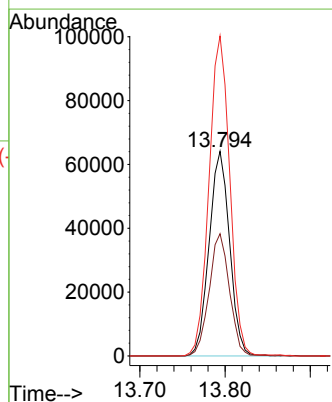
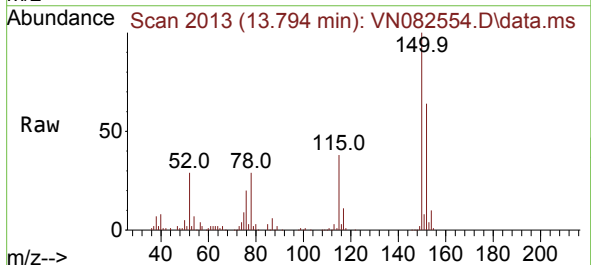
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20240610

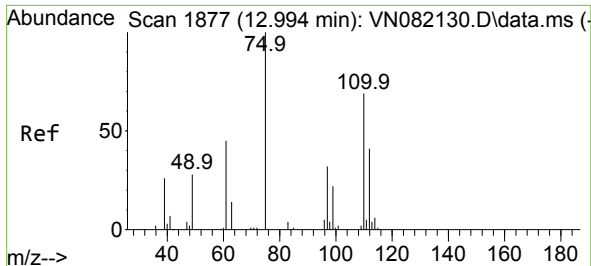
Tgt Ion:173 Resp: 291
Ion Ratio Lower Upper
173 100
175 1474.2 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082554.D
Acq: 13 Jun 2024 13:06

Tgt Ion:152 Resp: 107087
Ion Ratio Lower Upper
152 100
115 59.3 30.4 91.3
150 158.2 0.0 353.2

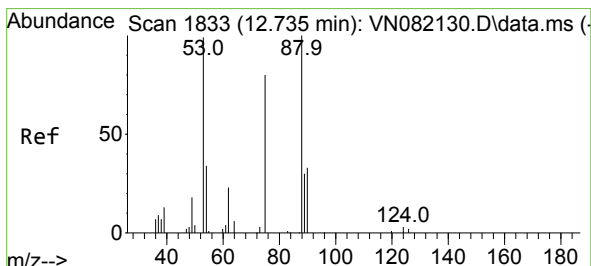
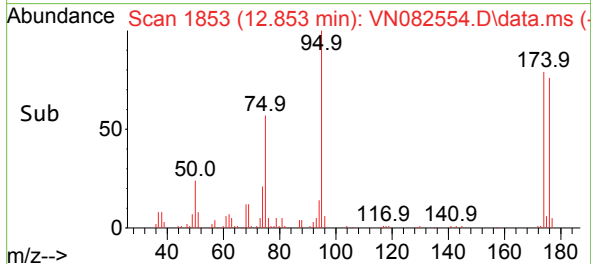
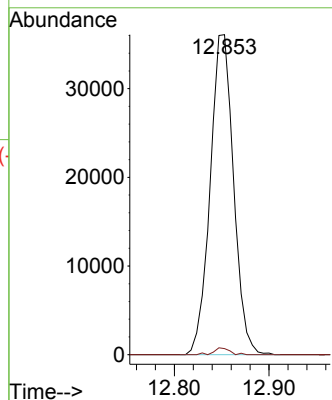
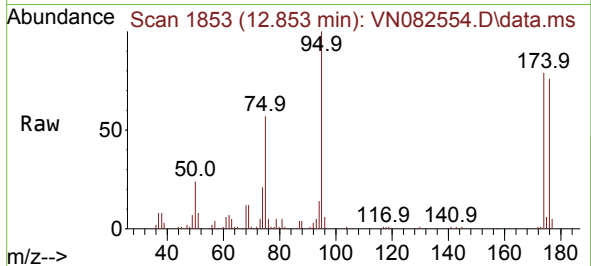




#76
1,2,3-Trichloropropane
Concen: 27.587 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082554.D
Acq: 13 Jun 2024 13:06

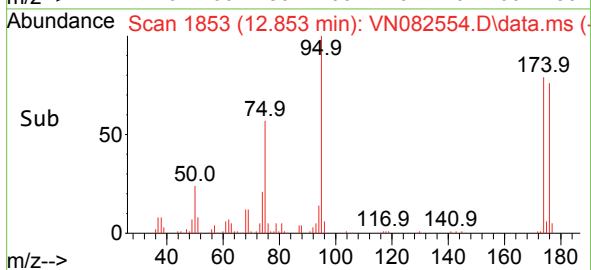
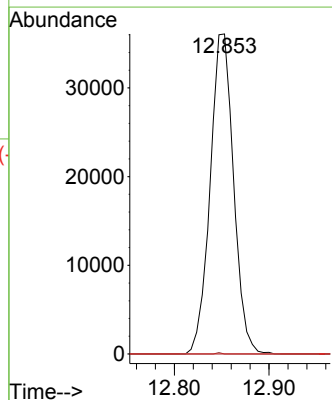
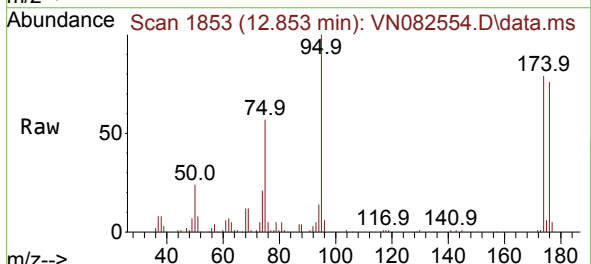
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20240610

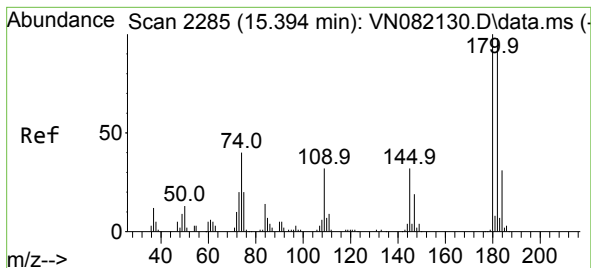
Tgt Ion: 75 Resp: 62179
Ion Ratio Lower Upper
75 100
77 1.5 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.525 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN082554.D
Acq: 13 Jun 2024 13:06

Tgt Ion: 75 Resp: 62179
Ion Ratio Lower Upper
75 100
53 0.1 72.9 109.3#
89 0.0 39.1 58.7#





#93

1,2,4-Trichlorobenzene

Concen: 0.315 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN082554.D

Acq: 13 Jun 2024 13:06

Instrument :

MSVOA_N

ClientSampleId :

DUP01-20240610

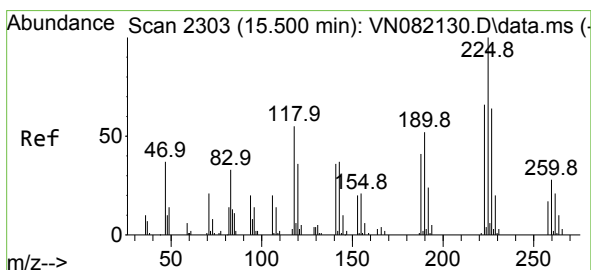
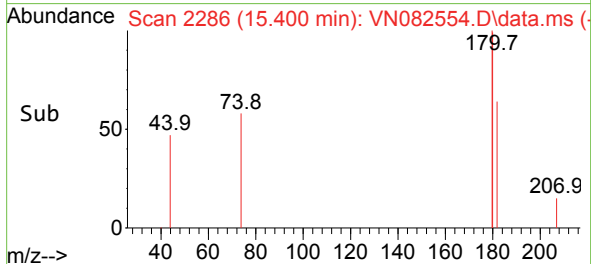
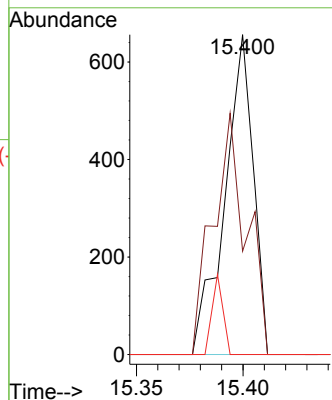
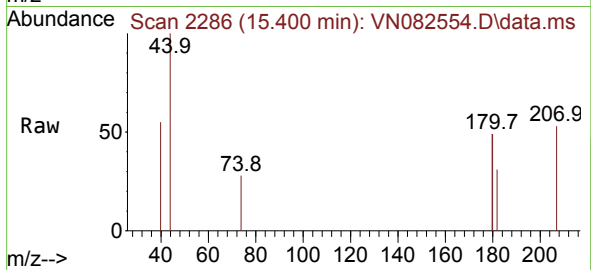
Tgt Ion:180 Resp: 613

Ion Ratio Lower Upper

180 100

182 87.9 46.7 140.0

145 9.5 16.2 48.6#



#94

Hexachlorobutadiene

Concen: 0.315 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VN082554.D

Acq: 13 Jun 2024 13:06

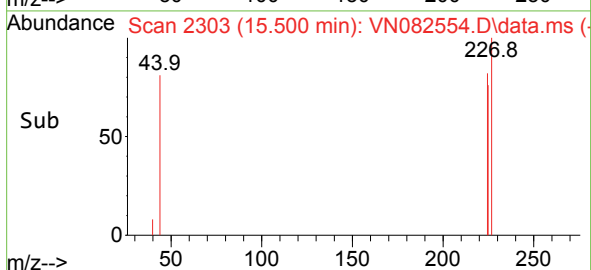
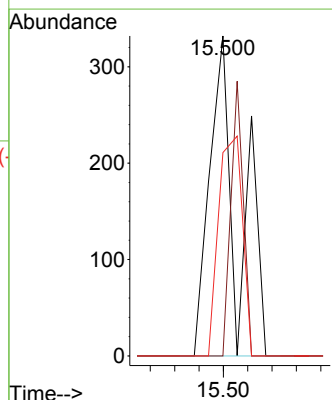
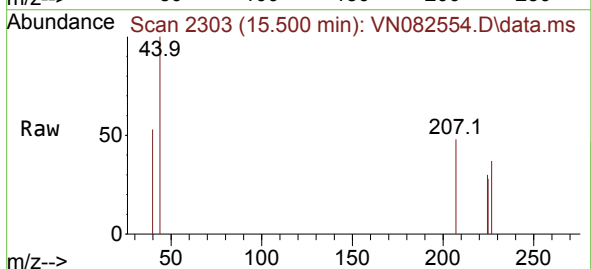
Tgt Ion:225 Resp: 269

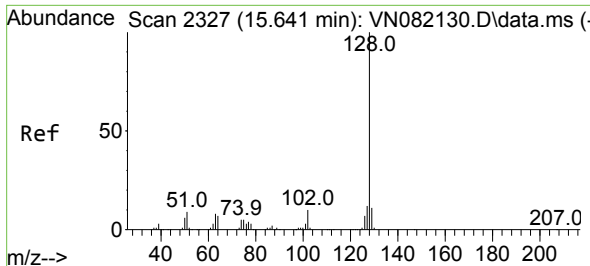
Ion Ratio Lower Upper

225 100

223 37.5 31.1 93.2

227 57.6 30.6 91.6

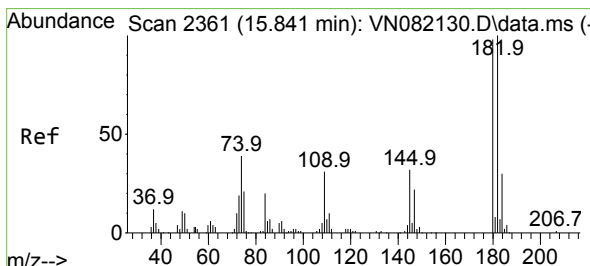
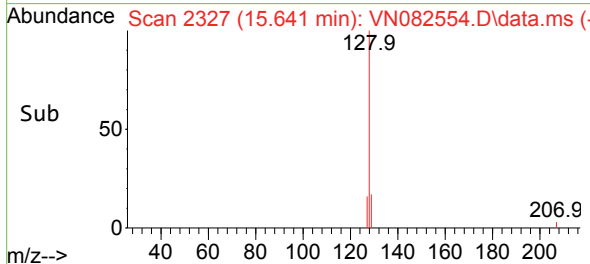
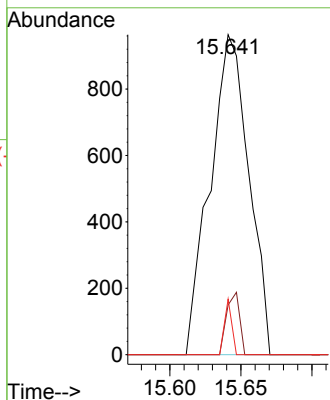
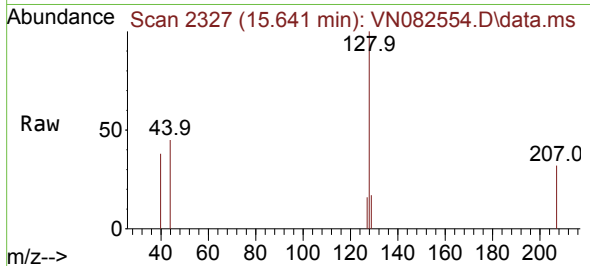




#95
Naphthalene
Concen: 0.299 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN082554.D
Acq: 13 Jun 2024 13:06

Instrument :
MSVOA_N
ClientSampleId :
DUP01-20240610

Tgt Ion:128 Resp: 1829
Ion Ratio Lower Upper
128 100
127 6.5 10.1 15.1#
129 3.2 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 0.364 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN082554.D
Acq: 13 Jun 2024 13:06

Tgt Ion:180 Resp: 710
Ion Ratio Lower Upper
180 100
182 49.3 46.0 137.8
145 0.0 17.1 51.3#

