

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062024\
 Data File : VN082661.D
 Acq On : 20 Jun 2024 12:20
 Operator : JC\MD
 Sample : P2978-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 21 02:04:15 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)

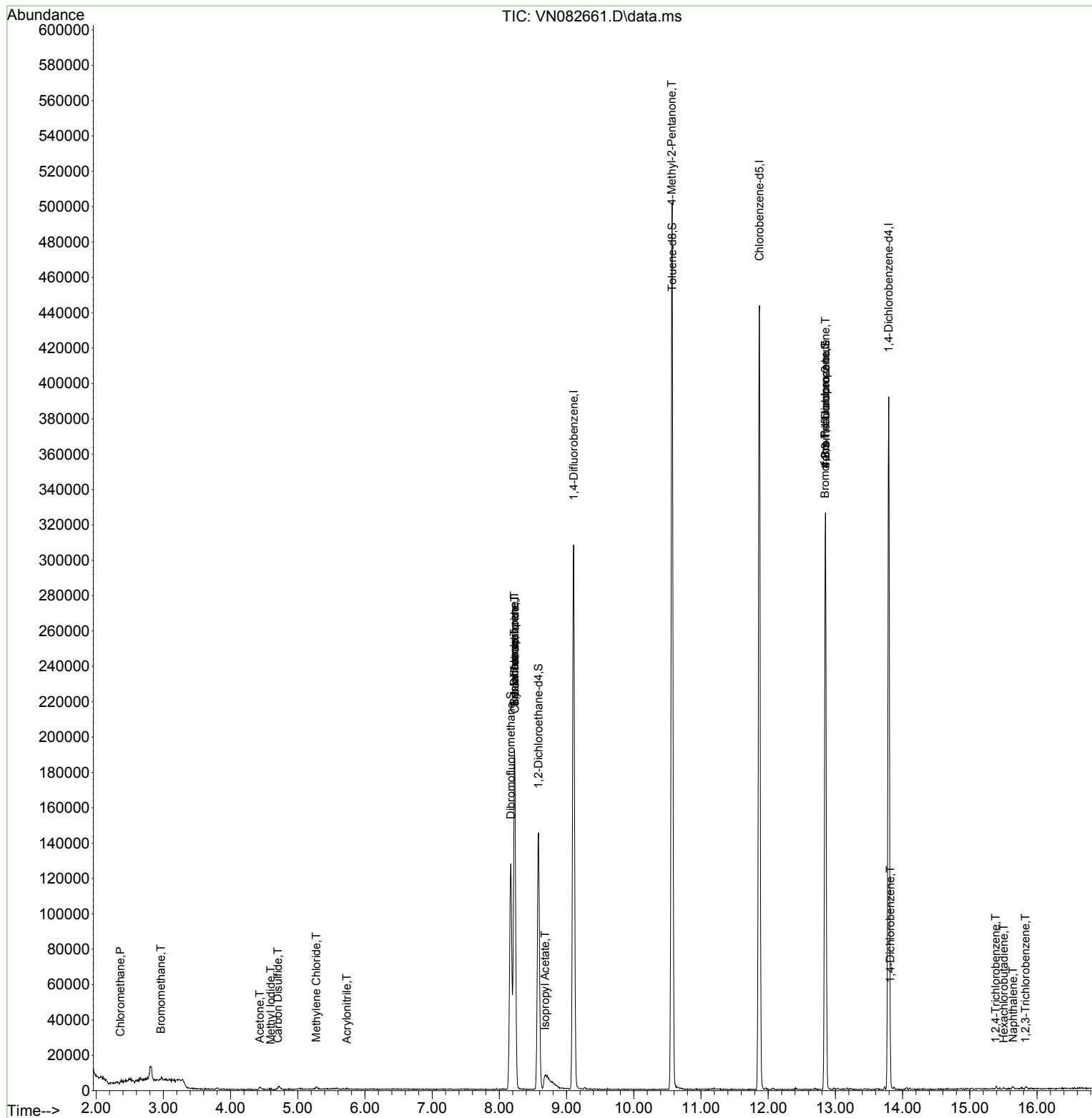
Internal Standards						
1) Pentafluorobenzene	8.224	168	134316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	244243	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	239582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	98106	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	119950	55.689	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.380%
35) Dibromofluoromethane	8.171	113	89111	53.781	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.560%
50) Toluene-d8	10.571	98	320771	51.193	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.380%
62) 4-Bromofluorobenzene	12.853	95	102569	47.480	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	94.960%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	745	0.331	ug/l	99
5) Bromomethane	2.965	94	447	0.324	ug/l #	66
10) Methyl Iodide	4.600	142	459	0.308	ug/l #	38
15) Acrylonitrile	5.730	53	223	0.240	ug/l #	40
16) Acetone	4.436	43	2159	2.204	ug/l #	83
17) Carbon Disulfide	4.706	76	1477	0.311	ug/l #	75
20) Methylene Chloride	5.277	84	507	0.294	ug/l #	48
31) Cyclohexane	8.224	56	4137	1.331	ug/l #	47
36) 1,1-Dichloropropene	8.224	75	12504	5.048	ug/l #	50
38) Carbon Tetrachloride	8.230	117	13625	4.881	ug/l #	18
43) Isopropyl Acetate	8.682	43	9874	1.675	ug/l #	60
51) 4-Methyl-2-Pentanone	10.565	43	1999	0.661	ug/l #	1
71) Bromoform	12.847	173	999	0.645	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	60312	25.135	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	60312	60.134	ug/l #	6
88) 1,4-Dichlorobenzene	13.817	146	801	0.220	ug/l #	68
93) 1,2,4-Trichlorobenzene	15.388	180	606	0.339	ug/l #	86
94) Hexachlorobutadiene	15.506	225	215	0.244	ug/l	76
95) Naphthalene	15.647	128	1965	0.357	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.829	180	525	0.288	ug/l #	75

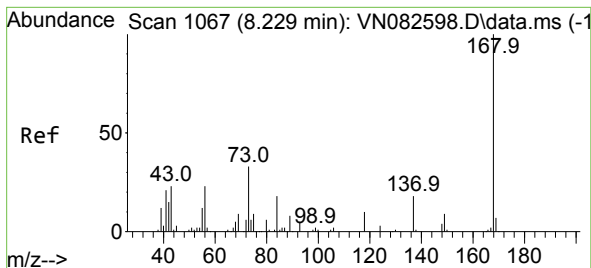
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 18 04:52:44 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.005 min

Lab File: VN082661.D

Acq: 20 Jun 2024 12:20

Instrument :

MSVOA_N

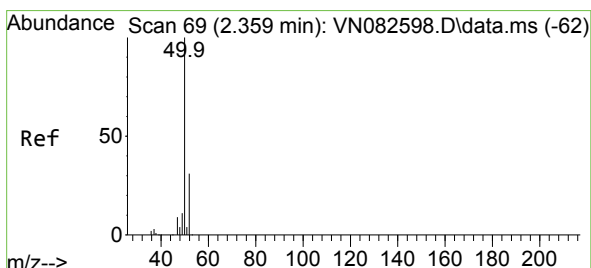
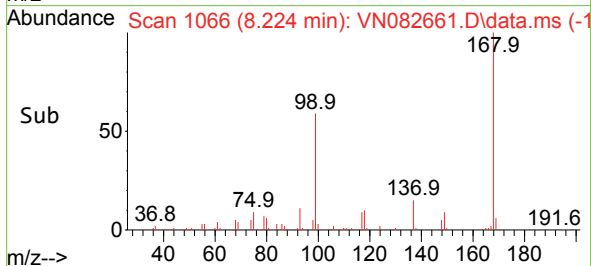
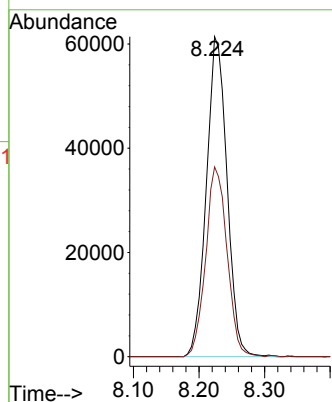
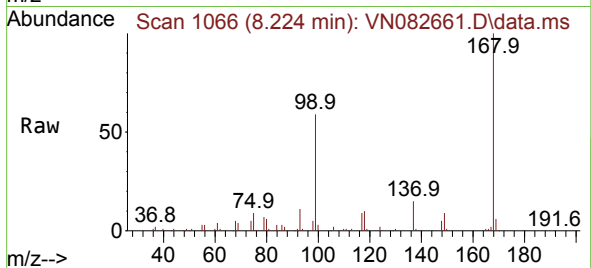
ClientSampleId :

Tgt Ion:168 Resp: 134316

Ion Ratio Lower Upper

168 100

99 59.3 48.2 72.4



#3

Chloromethane

Concen: 0.331 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN082661.D

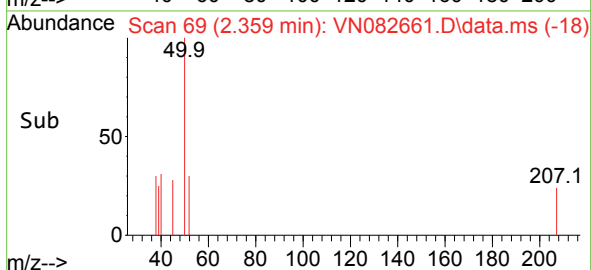
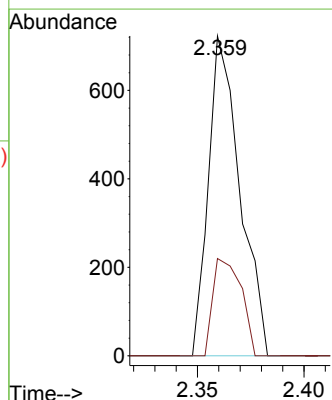
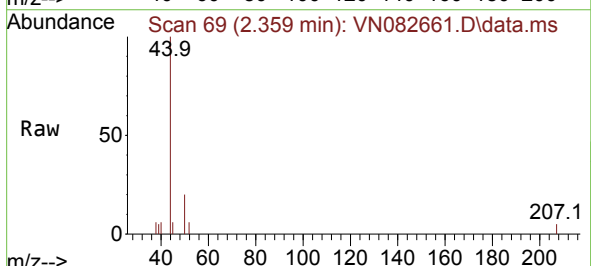
Acq: 20 Jun 2024 12:20

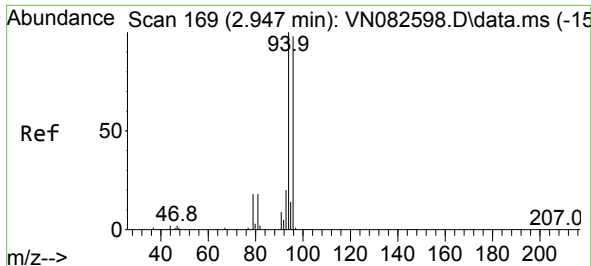
Tgt Ion: 50 Resp: 745

Ion Ratio Lower Upper

50 100

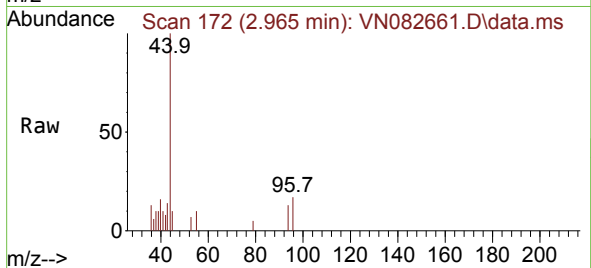
52 30.4 25.0 37.4



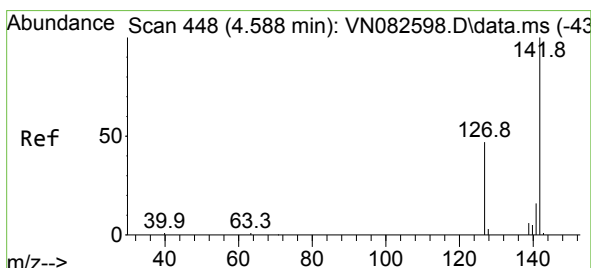
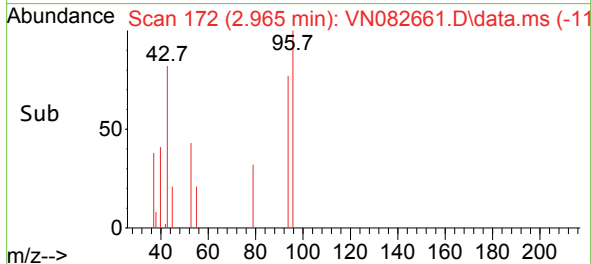
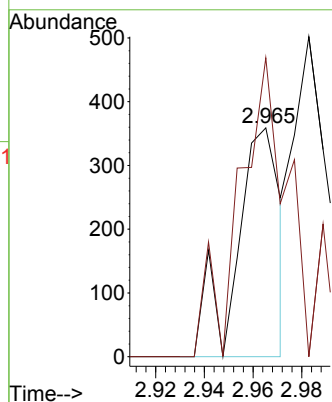


#5
Bromomethane
Concen: 0.324 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN082661.D
Acq: 20 Jun 2024 12:20

Instrument :
MSVOA_N
ClientSampleId :

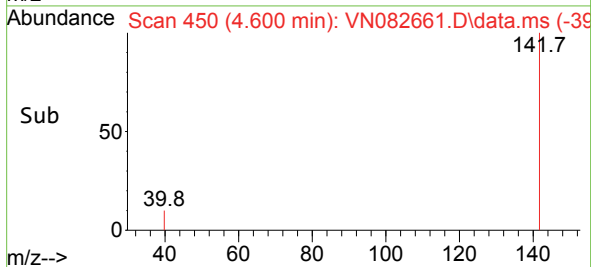
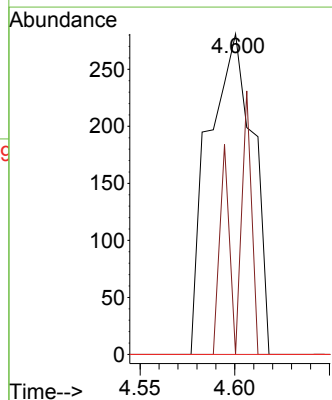
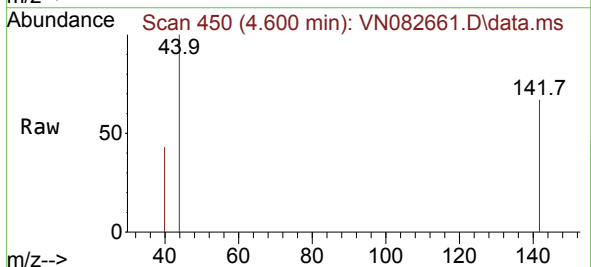


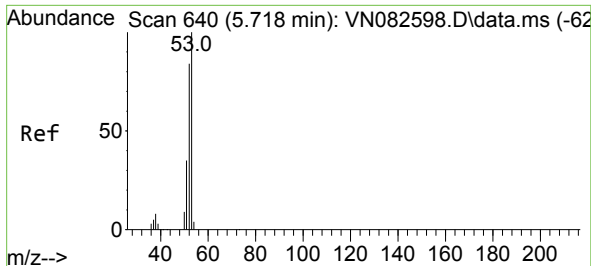
Tgt Ion: 94 Resp: 447
Ion Ratio Lower Upper
94 100
96 130.6 78.0 117.0#



#10
Methyl Iodide
Concen: 0.308 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.012 min
Lab File: VN082661.D
Acq: 20 Jun 2024 12:20

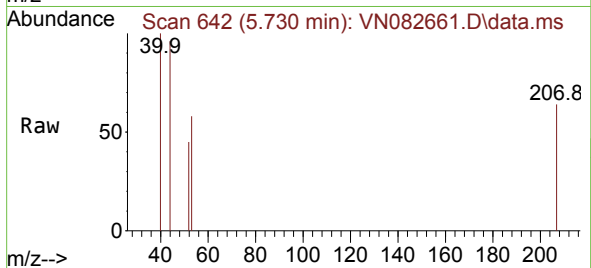
Tgt Ion: 142 Resp: 459
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 13.1 19.7#



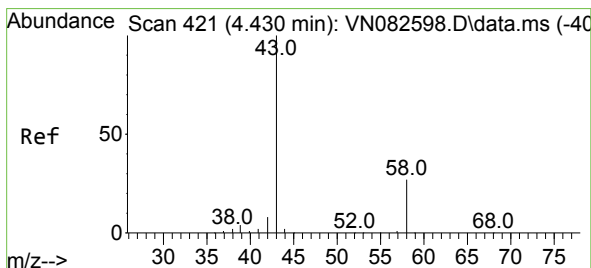
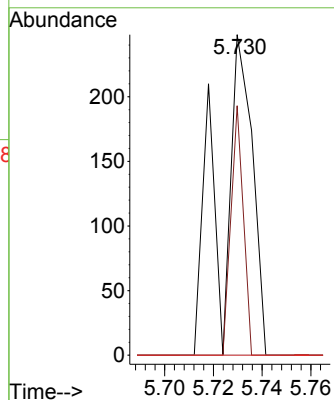
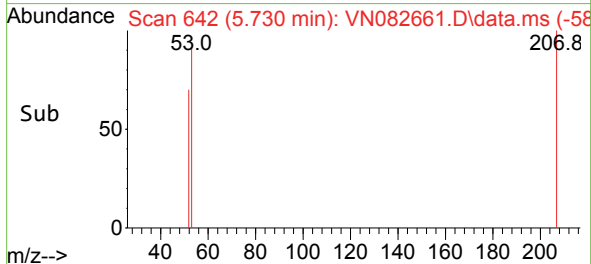


#15
Acrylonitrile
Concen: 0.240 ug/l
RT: 5.730 min Scan# 64
Delta R.T. 0.012 min
Lab File: VN082661.D
Acq: 20 Jun 2024 12:20

Instrument :
MSVOA_N
ClientSampleId :

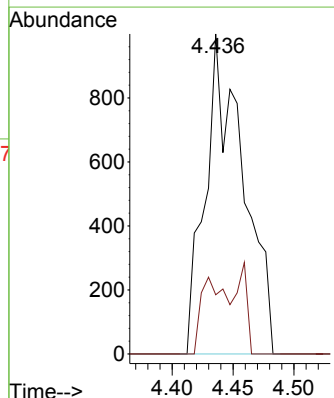
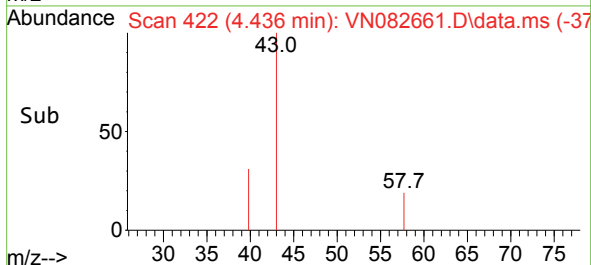
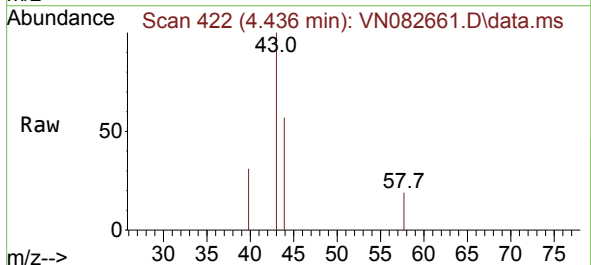


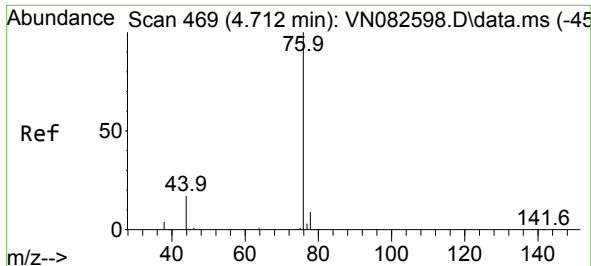
Tgt Ion: 53 Resp: 223
Ion Ratio Lower Upper
53 100
52 30.5 66.6 100.0#
51 0.0 30.1 45.1#



#16
Acetone
Concen: 2.204 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN082661.D
Acq: 20 Jun 2024 12:20

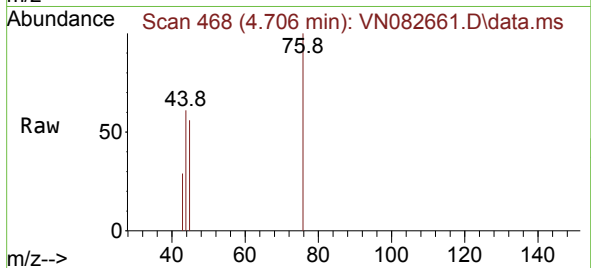
Tgt Ion: 43 Resp: 2159
Ion Ratio Lower Upper
43 100
58 18.5 21.8 32.6#



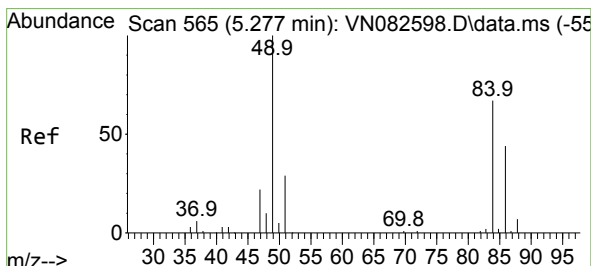
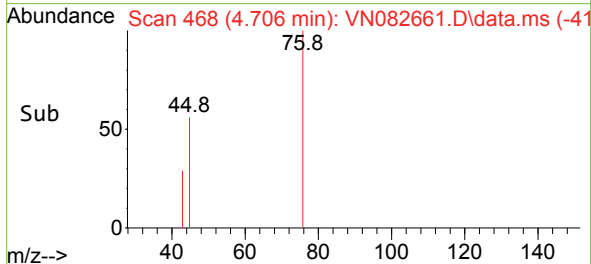
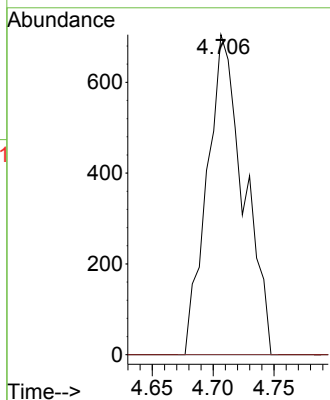


#17
Carbon Disulfide
Concen: 0.311 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN082661.D
Acq: 20 Jun 2024 12:20

Instrument :
MSVOA_N
ClientSampleId :

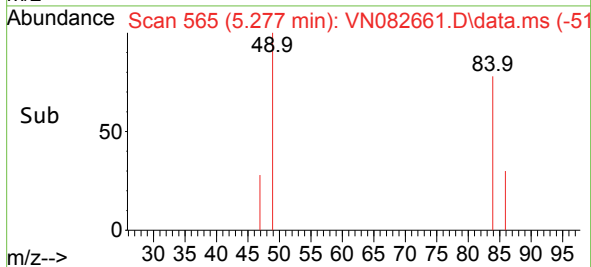
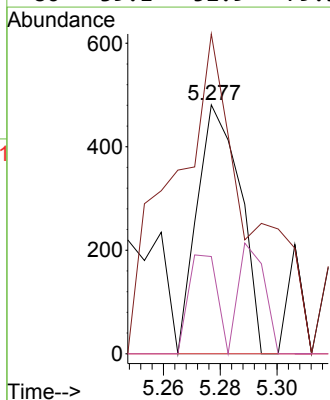
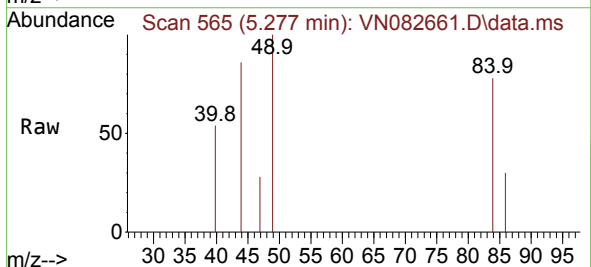


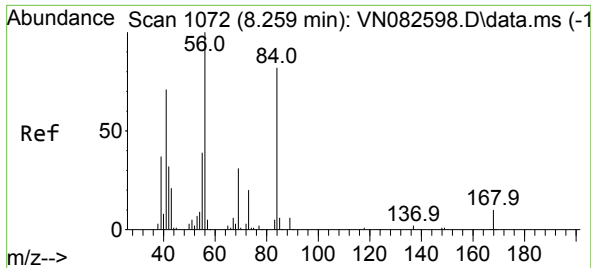
Tgt Ion: 76 Resp: 1477
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.294 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN082661.D
Acq: 20 Jun 2024 12:20

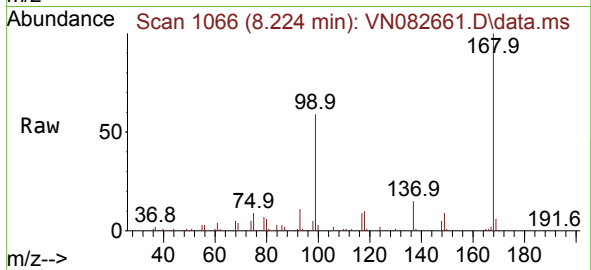
Tgt Ion: 84 Resp: 507
Ion Ratio Lower Upper
84 100
49 78.4 119.6 179.4#
51 0.0 34.8 52.2#
86 39.1 52.9 79.3#



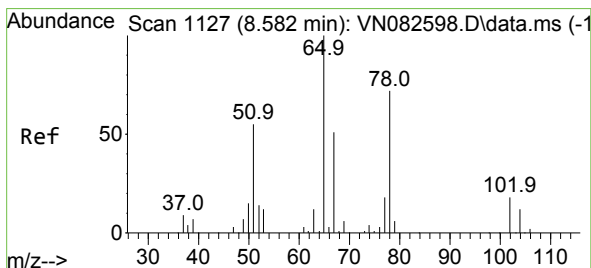
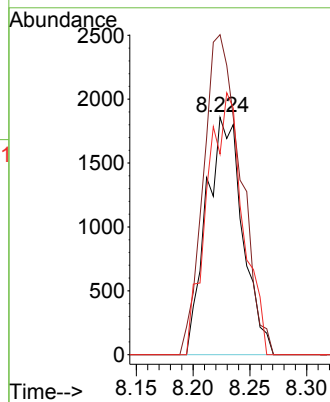
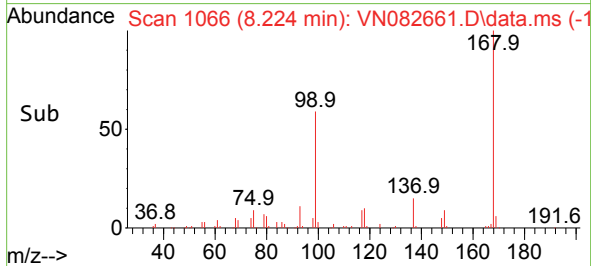


#31
Cyclohexane
Concen: 1.331 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082661.D
Acq: 20 Jun 2024 12:20

Instrument :
MSVOA_N
ClientSampleId :

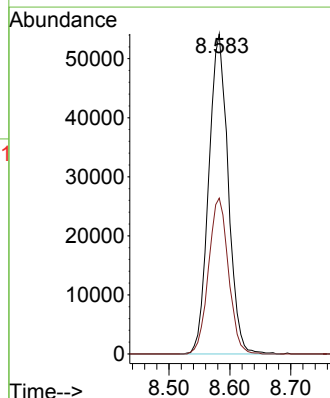
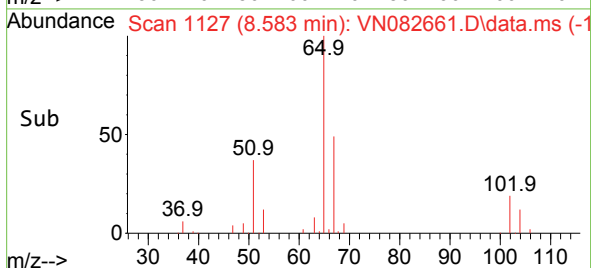
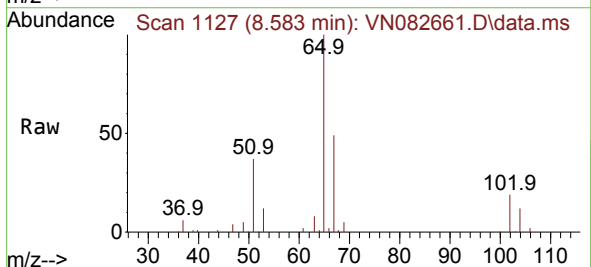


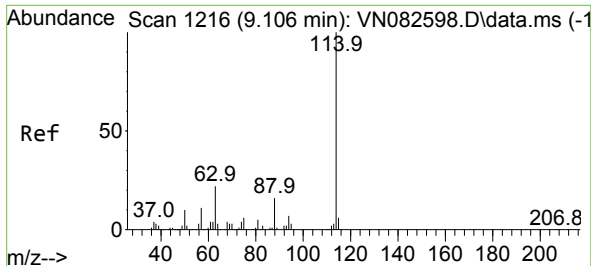
Tgt Ion: 56 Resp: 4137
Ion Ratio Lower Upper
56 100
69 134.8 24.5 36.7#
84 84.6 66.0 99.0



#33
1,2-Dichloroethane-d4
Concen: 55.689 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN082661.D
Acq: 20 Jun 2024 12:20

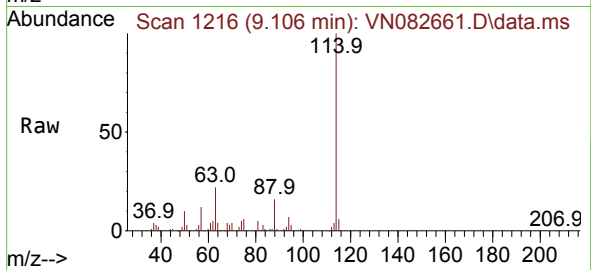
Tgt Ion: 65 Resp: 119950
Ion Ratio Lower Upper
65 100
67 49.9 0.0 104.4



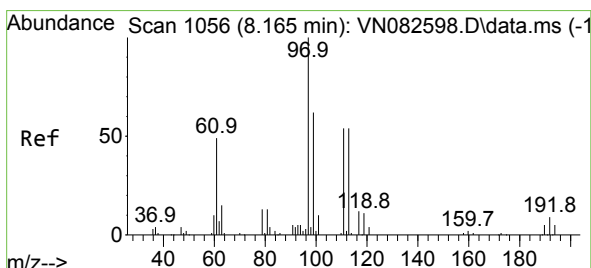
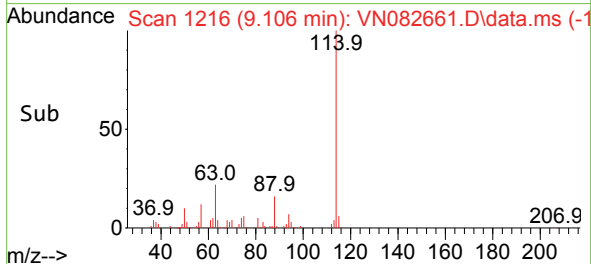
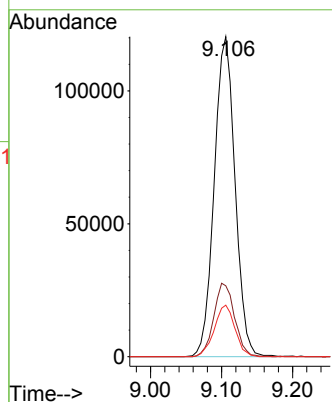


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082661.D
Acq: 20 Jun 2024 12:20

Instrument :
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ClientSampleId :

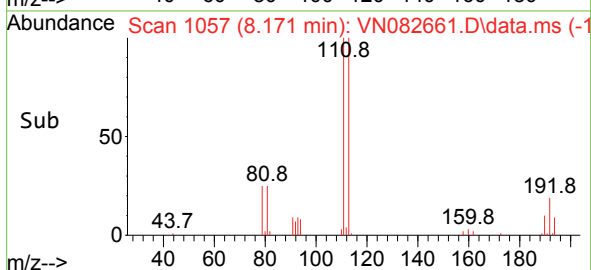
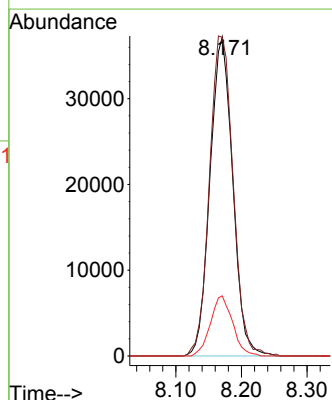
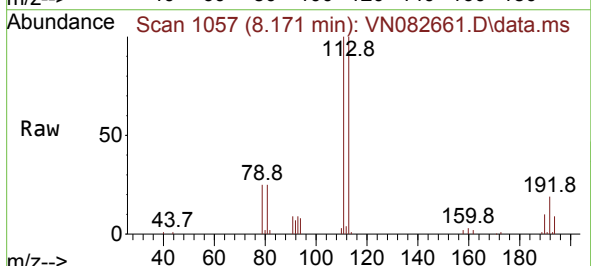


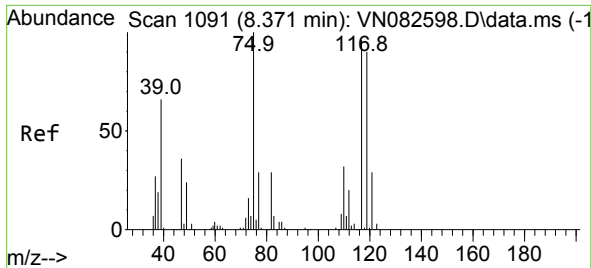
Tgt Ion:114 Resp: 244243
Ion Ratio Lower Upper
114 100
63 22.2 0.0 44.6
88 16.1 0.0 31.4



#35
Dibromofluoromethane
Concen: 53.781 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082661.D
Acq: 20 Jun 2024 12:20

Tgt Ion:113 Resp: 89111
Ion Ratio Lower Upper
113 100
111 104.6 82.4 123.6
192 18.5 14.9 22.3

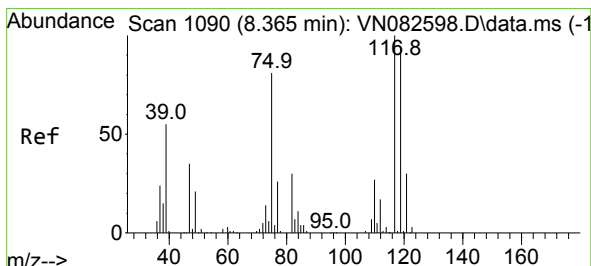
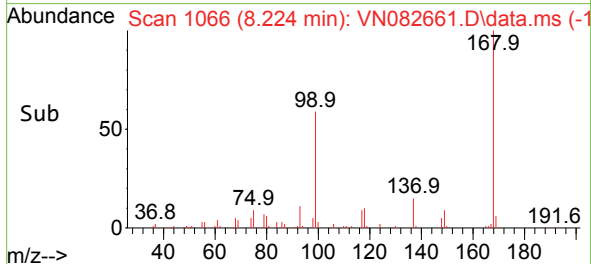
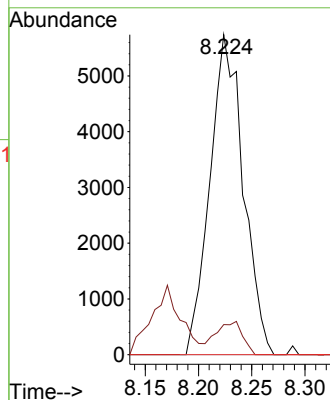
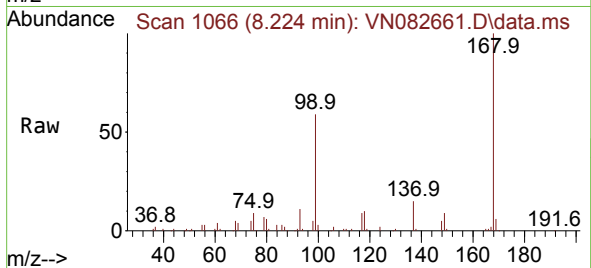




#36
1,1-Dichloropropene
Concen: 5.048 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082661.D
Acq: 20 Jun 2024 12:20

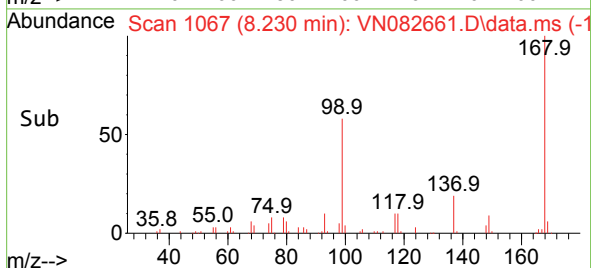
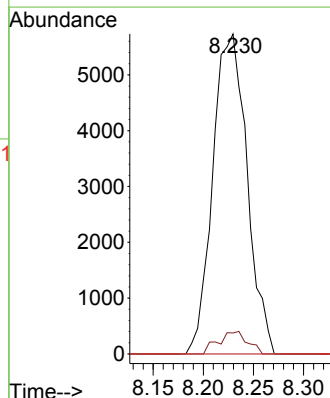
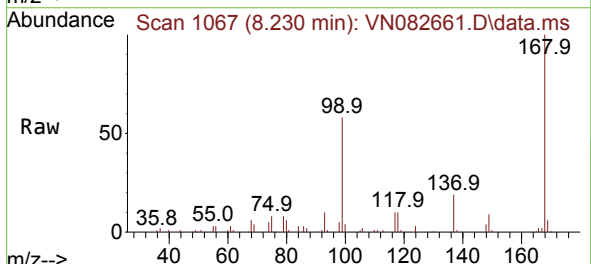
Instrument :
MSVOA_N
ClientSampleId :

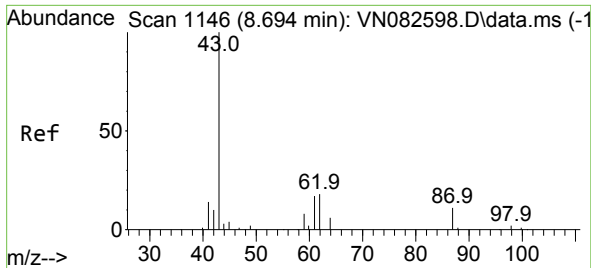
Tgt Ion: 75 Resp: 12504
Ion Ratio Lower Upper
75 100
110 8.1 16.3 48.9#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 4.881 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN082661.D
Acq: 20 Jun 2024 12:20

Tgt Ion: 117 Resp: 13625
Ion Ratio Lower Upper
117 100
119 6.6 74.9 112.3#
121 0.0 24.3 36.5#

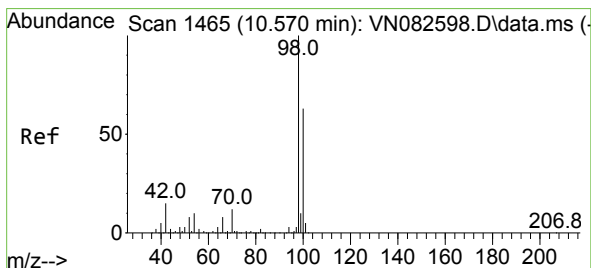
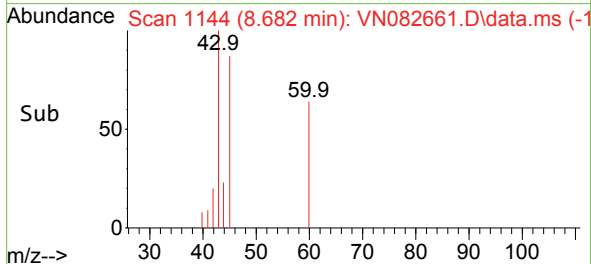
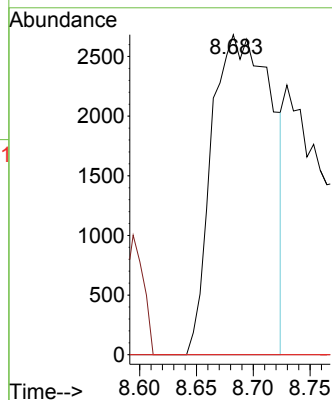
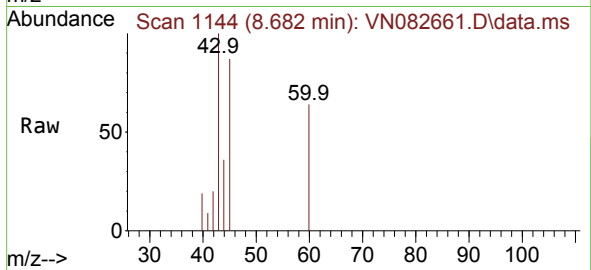




#43
Isopropyl Acetate
Concen: 1.675 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.012 min
Lab File: VN082661.D
Acq: 20 Jun 2024 12:20

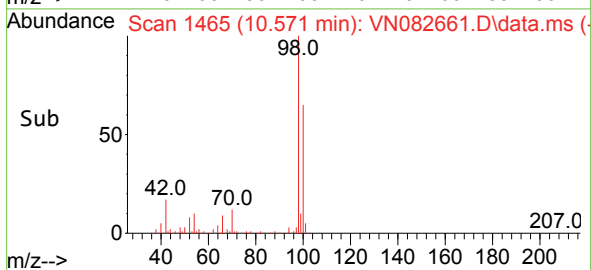
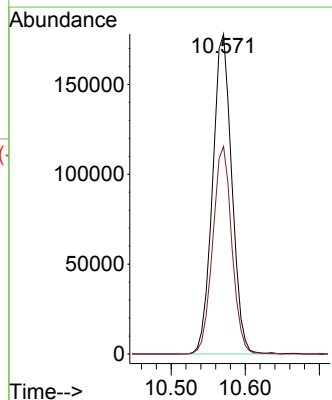
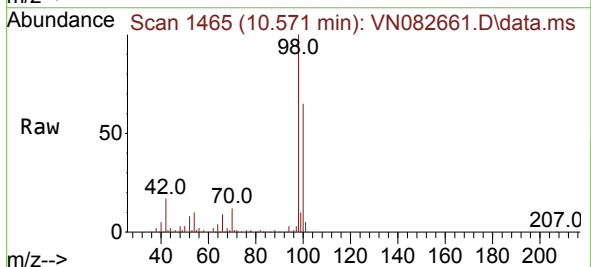
Instrument :
MSVOA_N
ClientSampleId :

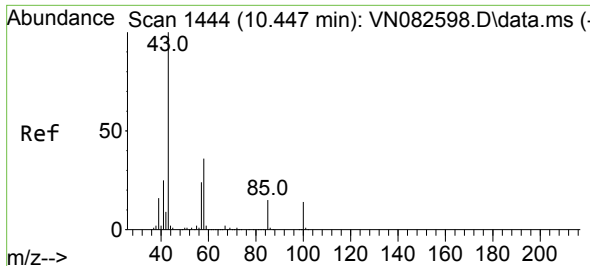
Tgt Ion: 43 Resp: 9874
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#



#50
Toluene-d8
Concen: 51.193 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082661.D
Acq: 20 Jun 2024 12:20

Tgt Ion: 98 Resp: 320771
Ion Ratio Lower Upper
98 100
100 64.4 51.5 77.3

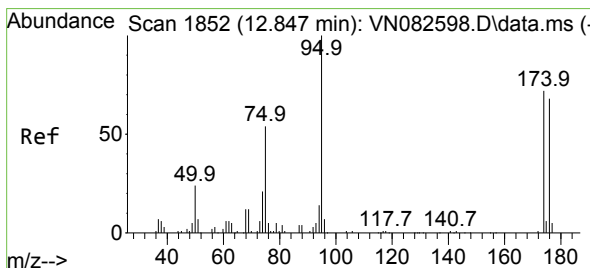
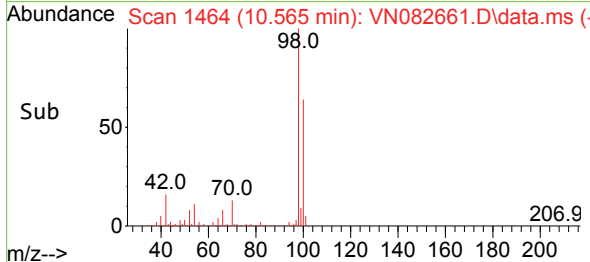
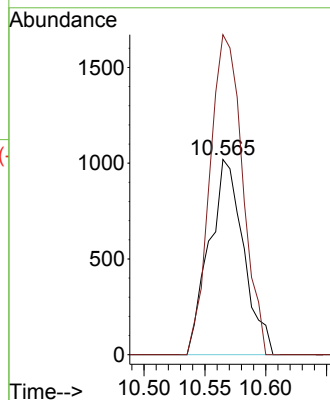
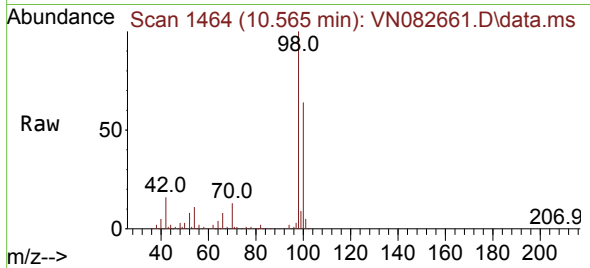




#51
4-Methyl-2-Pentanone
Concen: 0.661 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN082661.D
Acq: 20 Jun 2024 12:20

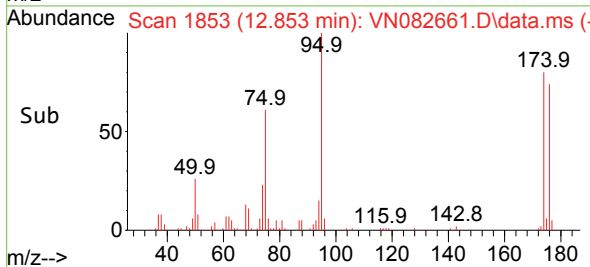
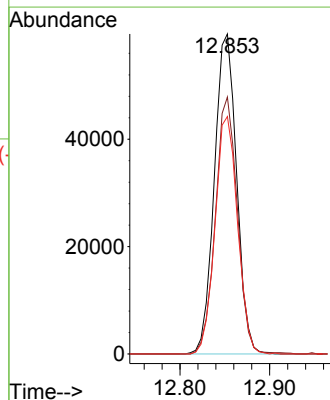
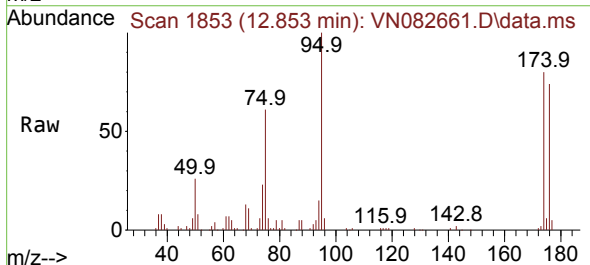
Instrument :
MSVOA_N
ClientSampleId :

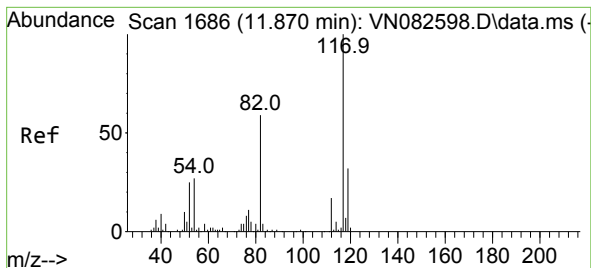
Tgt Ion: 43 Resp: 1999
Ion Ratio Lower Upper
43 100
58 156.0 28.2 42.4#



#62
4-Bromofluorobenzene
Concen: 47.480 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082661.D
Acq: 20 Jun 2024 12:20

Tgt Ion: 95 Resp: 102569
Ion Ratio Lower Upper
95 100
174 79.4 0.0 159.2
176 75.2 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.000 min

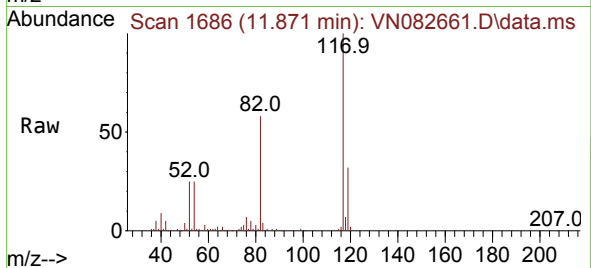
Lab File: VN082661.D

Acq: 20 Jun 2024 12:20

Instrument :

MSVOA_N

ClientSampleId :



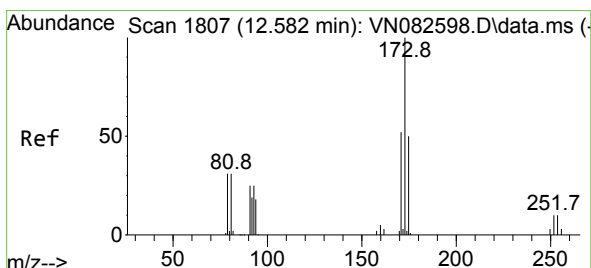
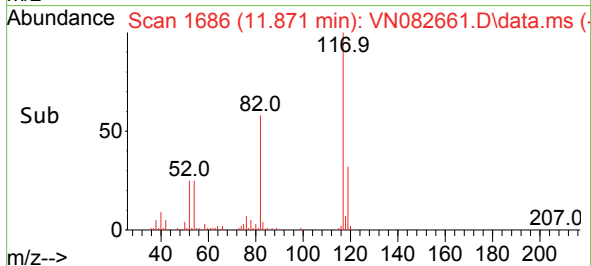
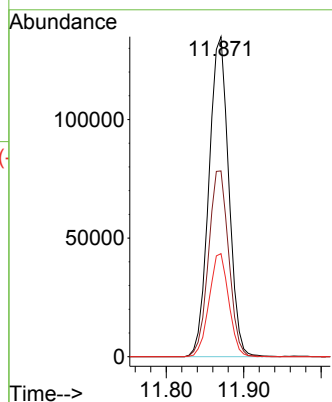
Tgt Ion:117 Resp: 239582

Ion Ratio Lower Upper

117 100

82 58.0 47.5 71.3

119 32.2 25.6 38.4



#71

Bromoform

Concen: 0.645 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.265 min

Lab File: VN082661.D

Acq: 20 Jun 2024 12:20

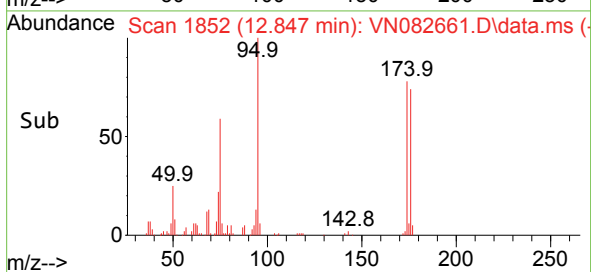
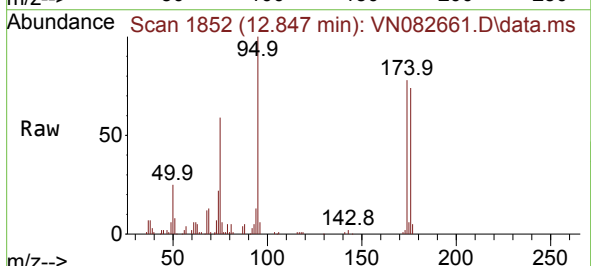
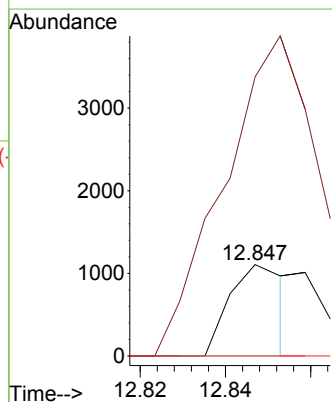
Tgt Ion:173 Resp: 999

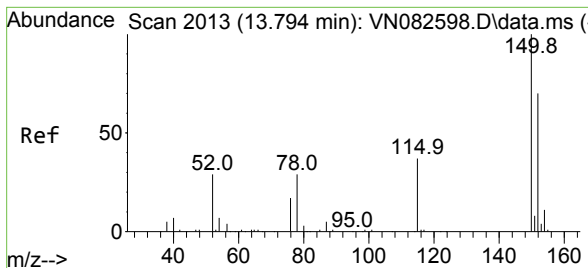
Ion Ratio Lower Upper

173 100

175 520.0 24.0 72.0#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN082661.D

Acq: 20 Jun 2024 12:20

Instrument :

MSVOA_N

ClientSampleId :

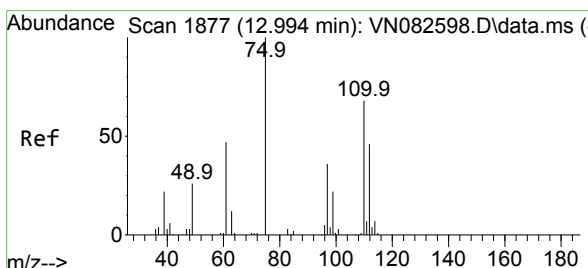
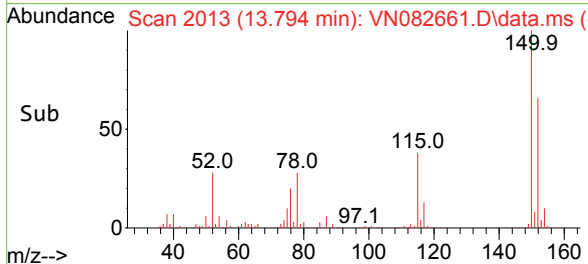
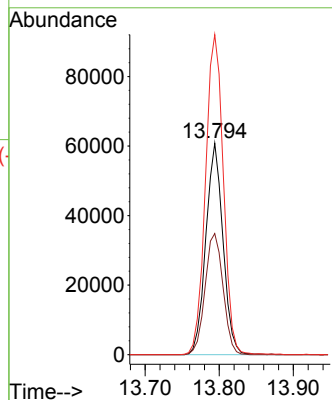
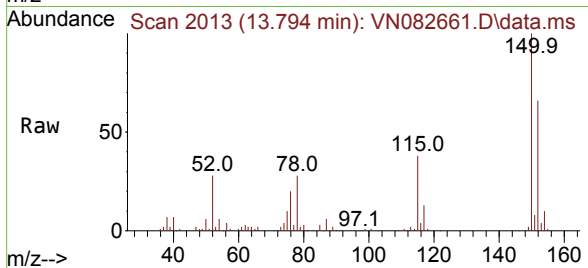
Tgt Ion:152 Resp: 98106

Ion Ratio Lower Upper

152 100

115 59.9 30.6 91.6

150 157.2 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 25.135 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082661.D

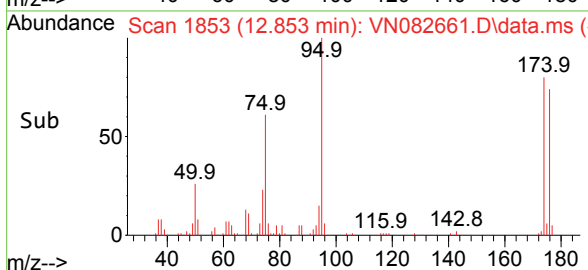
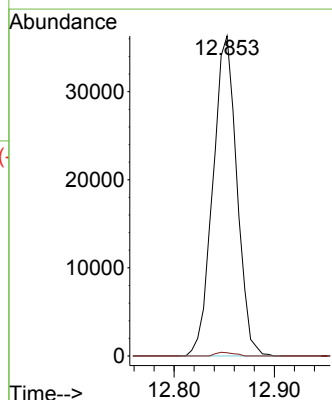
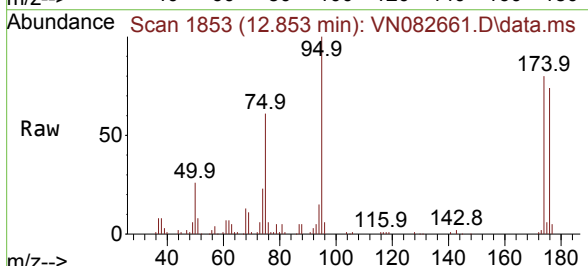
Acq: 20 Jun 2024 12:20

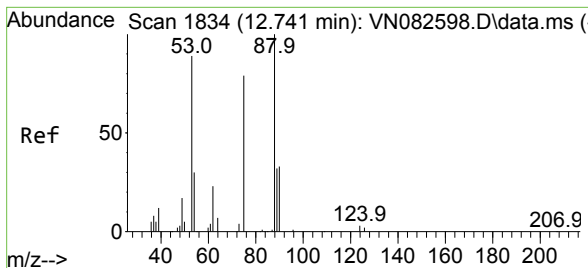
Tgt Ion: 75 Resp: 60312

Ion Ratio Lower Upper

75 100

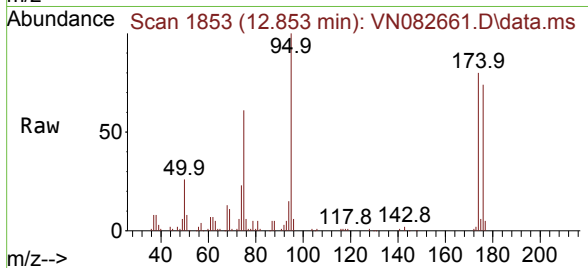
77 0.9 110.9 332.6#



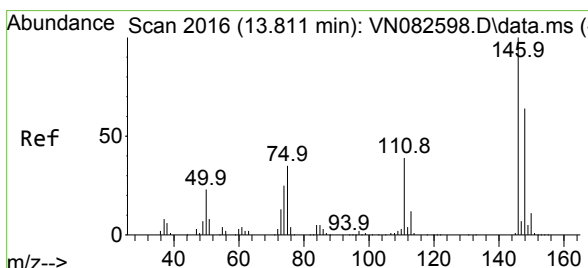
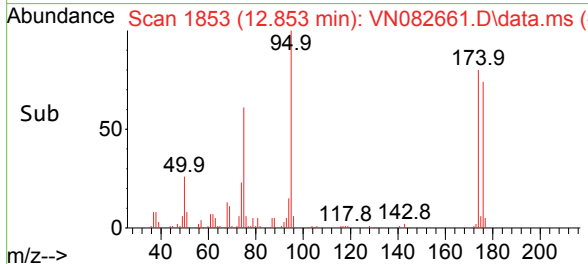
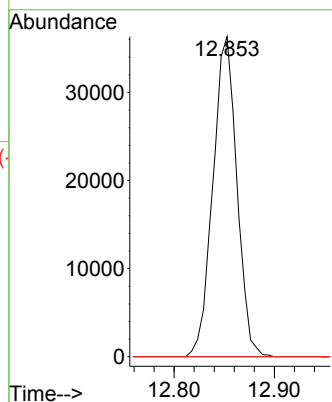


#81
trans-1,4-Dichloro-2-butene
Concen: 60.134 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN082661.D
Acq: 20 Jun 2024 12:20

Instrument :
MSVOA_N
ClientSampleId :

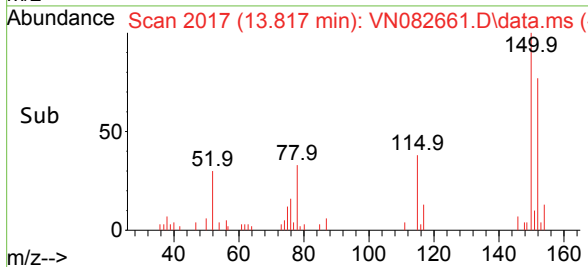
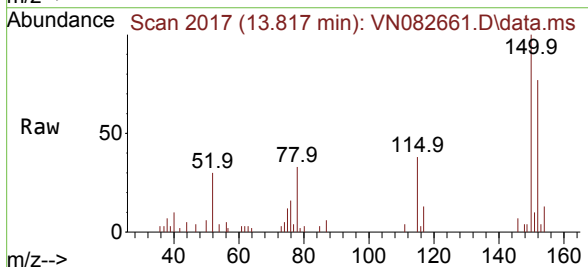
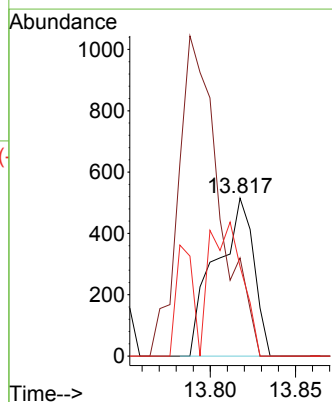


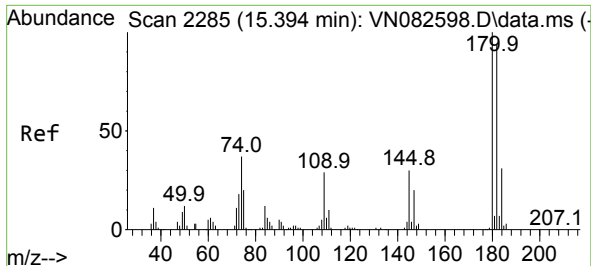
Tgt Ion: 75 Resp: 60312
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#



#88
1,4-Dichlorobenzene
Concen: 0.220 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. 0.006 min
Lab File: VN082661.D
Acq: 20 Jun 2024 12:20

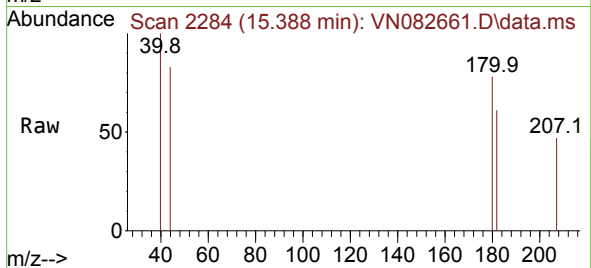
Tgt Ion: 146 Resp: 801
Ion Ratio Lower Upper
146 100
111 0.0 20.1 60.3#
148 73.0 32.2 96.6



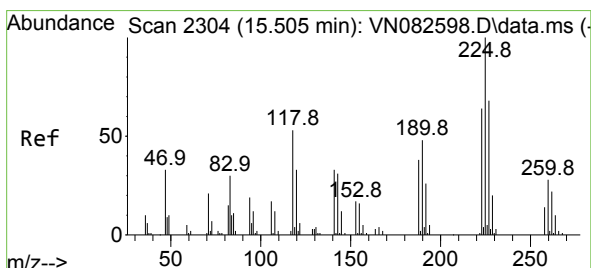
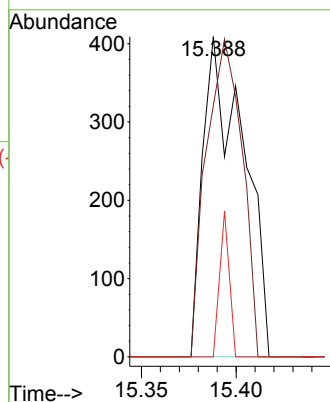
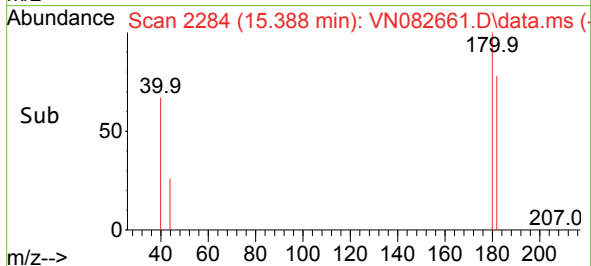


#93
 1,2,4-Trichlorobenzene
 Concen: 0.339 ug/l
 RT: 15.388 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN082661.D
 Acq: 20 Jun 2024 12:20

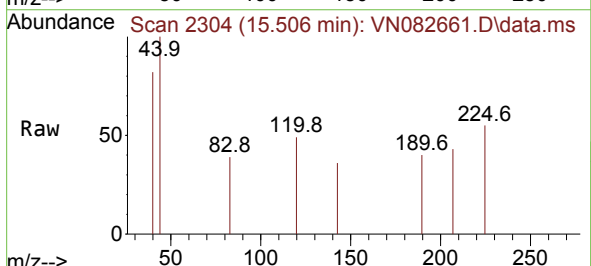
Instrument :
 MSVOA_N
 ClientSampleId :



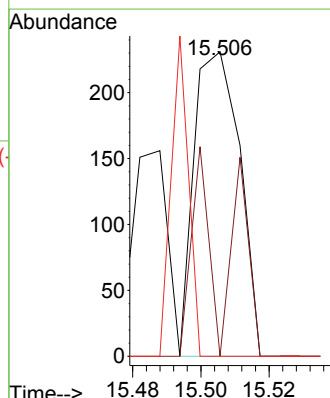
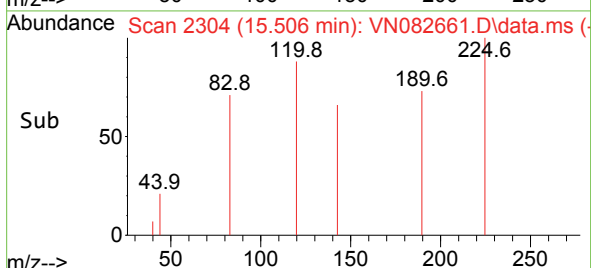
Tgt Ion:180 Resp: 606
 Ion Ratio Lower Upper
 180 100
 182 88.0 47.3 141.8
 145 10.9 15.7 47.1#

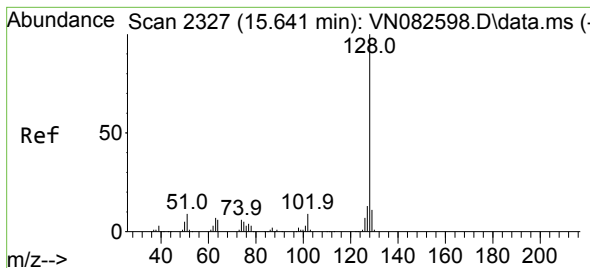


#94
 Hexachlorobutadiene
 Concen: 0.244 ug/l
 RT: 15.506 min Scan# 2304
 Delta R.T. 0.001 min
 Lab File: VN082661.D
 Acq: 20 Jun 2024 12:20



Tgt Ion:225 Resp: 215
 Ion Ratio Lower Upper
 225 100
 223 50.7 31.9 95.7
 227 40.0 32.5 97.5





#95

Naphthalene

Concen: 0.357 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN082661.D

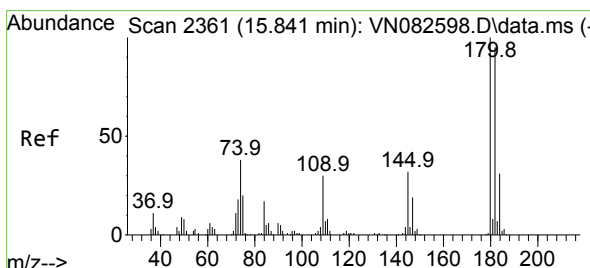
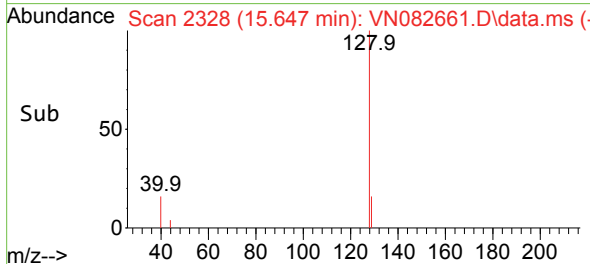
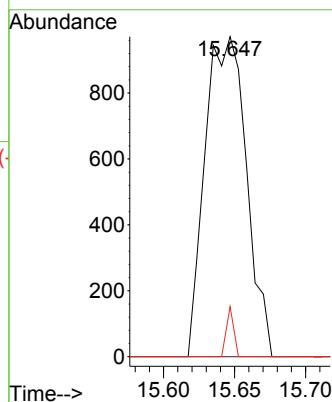
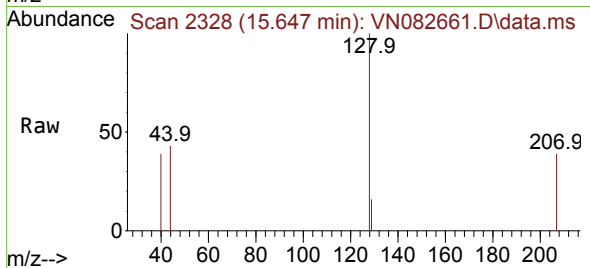
Acq: 20 Jun 2024 12:20

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	1965
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.6 16.0#
129	2.7	8.6 12.8#



#96

1,2,3-Trichlorobenzene

Concen: 0.288 ug/l

RT: 15.829 min Scan# 2359

Delta R.T. -0.012 min

Lab File: VN082661.D

Acq: 20 Jun 2024 12:20

Tgt Ion:180	Resp:	525
Ion Ratio	Lower	Upper
180	100	
182	110.7	48.9 146.8
145	0.0	16.8 50.4#

