

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061924\
 Data File : VN082630.D
 Acq On : 19 Jun 2024 10:32
 Operator : JC\MD
 Sample : VN0619MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 20 02:56:01 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)

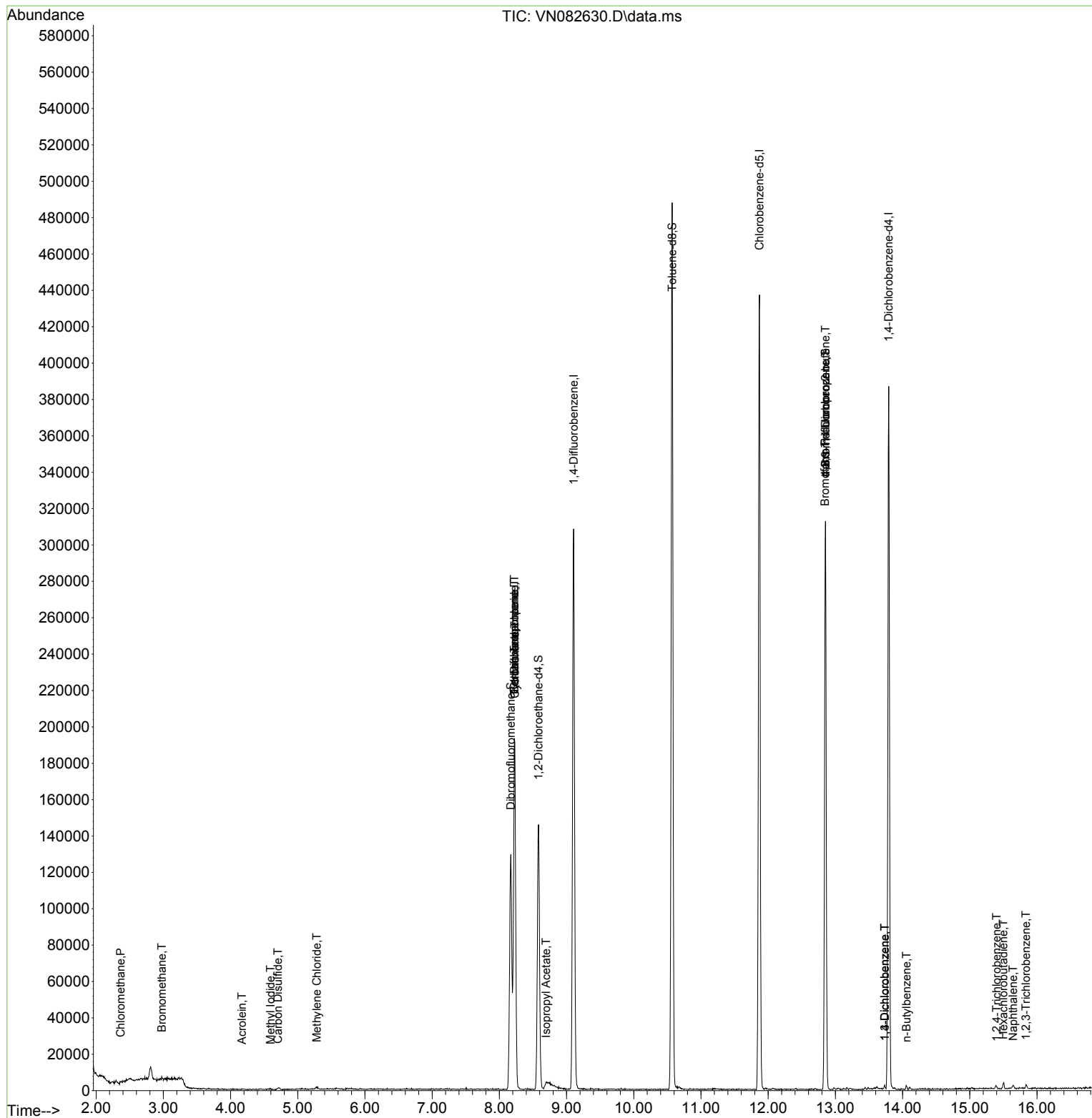
Internal Standards						
1) Pentafluorobenzene	8.224	168	134554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	244675	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	236240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	97342	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	120408	55.802	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.600%
35) Dibromofluoromethane	8.171	113	88919	53.570	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.140%
50) Toluene-d8	10.571	98	318491	50.740	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.480%
62) 4-Bromofluorobenzene	12.853	95	100323	46.358	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	92.720%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	741	0.329	ug/l #	43
5) Bromomethane	2.977	94	914	0.662	ug/l	84
10) Methyl Iodide	4.595	142	470	0.315	ug/l #	86
13) Acrolein	4.171	56	145	0.403	ug/l #	1
17) Carbon Disulfide	4.706	76	2061	0.433	ug/l #	75
20) Methylene Chloride	5.283	84	457	0.265	ug/l #	92
31) Cyclohexane	8.230	56	3854	1.238	ug/l #	37
36) 1,1-Dichloropropene	8.224	75	12365	4.983	ug/l #	50
38) Carbon Tetrachloride	8.224	117	15367	5.495	ug/l #	16
43) Isopropyl Acetate	8.694	43	2407	0.407	ug/l #	60
71) Bromoform	12.847	173	1197	0.784	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	57381	24.101	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	57381	57.660	ug/l #	6
87) 1,3-Dichlorobenzene	13.735	146	748	0.217	ug/l	78
88) 1,4-Dichlorobenzene	13.735	146	748	0.207	ug/l	78
89) n-Butylbenzene	14.059	91	1319	0.254	ug/l	92
93) 1,2,4-Trichlorobenzene	15.400	180	774	0.436	ug/l #	86
94) Hexachlorobutadiene	15.500	225	945	1.079	ug/l	79
95) Naphthalene	15.647	128	2736	0.501	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.835	180	1128	0.623	ug/l #	69

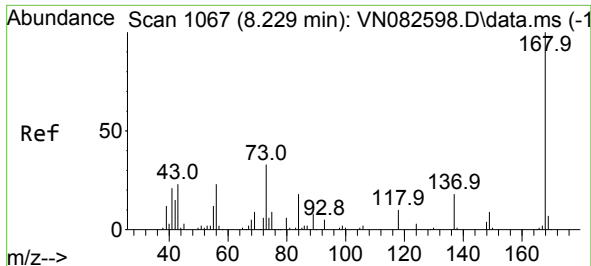
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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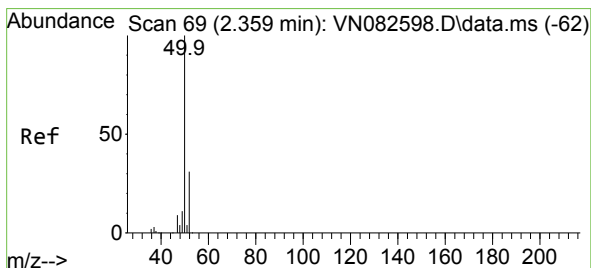
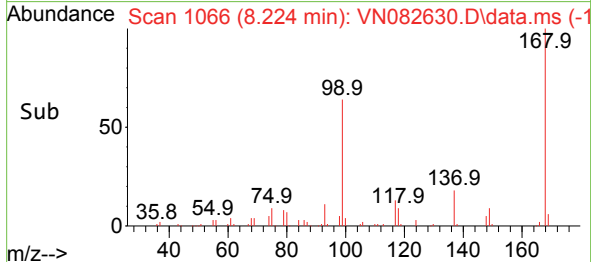
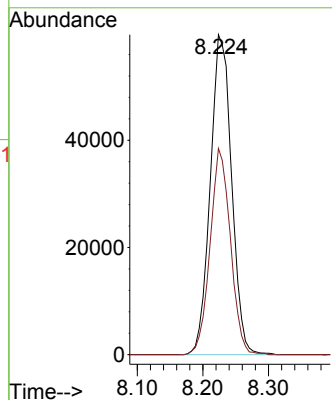
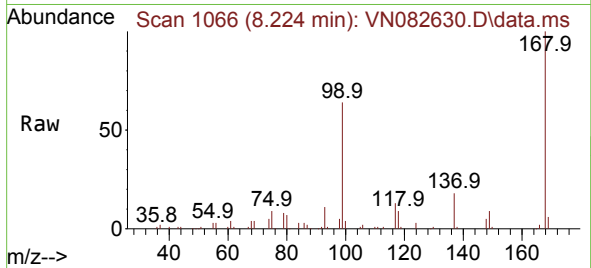




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN082630.D
Acq: 19 Jun 2024 10:32

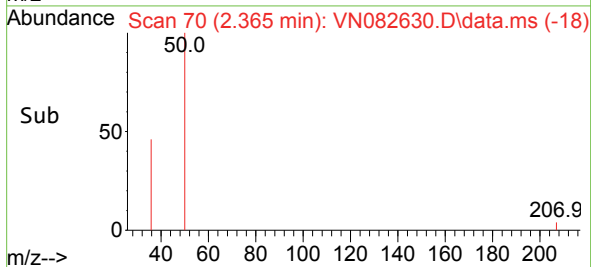
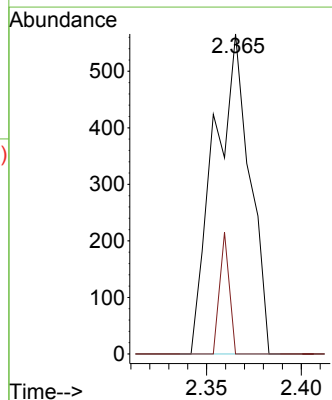
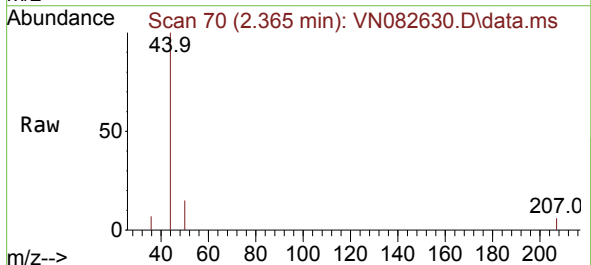
Instrument :
MSVOA_N
ClientSampleId :

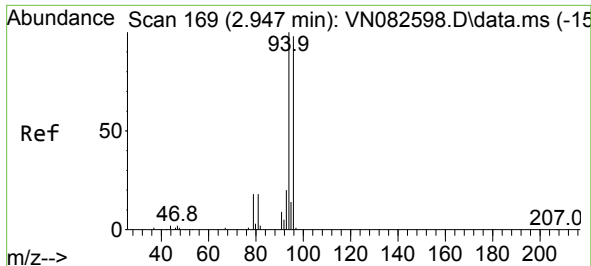
Tgt Ion:168 Resp: 134554
Ion Ratio Lower Upper
168 100
99 64.5 48.2 72.4



#3
Chloromethane
Concen: 0.329 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN082630.D
Acq: 19 Jun 2024 10:32

Tgt Ion: 50 Resp: 741
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

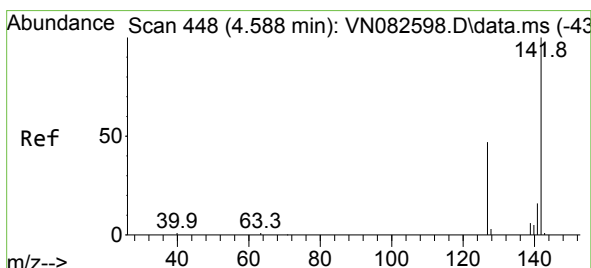
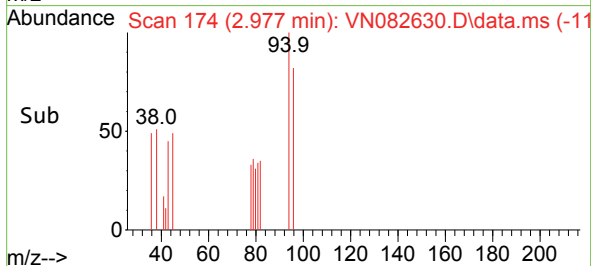
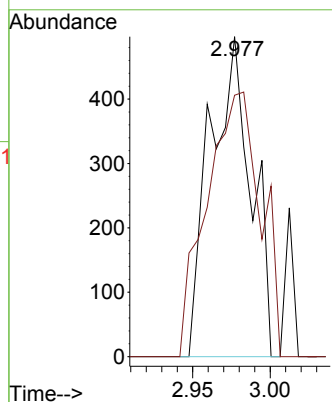
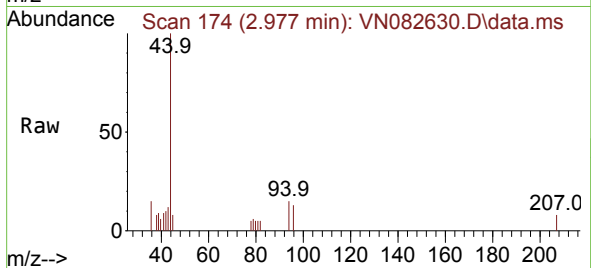




#5
Bromomethane
Concen: 0.662 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN082630.D
Acq: 19 Jun 2024 10:32

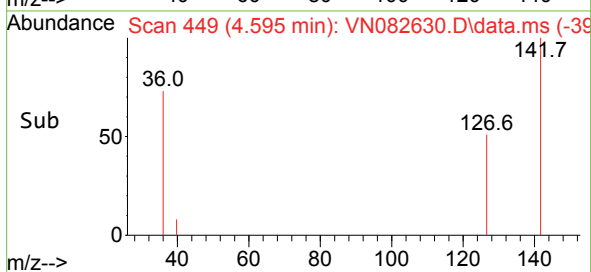
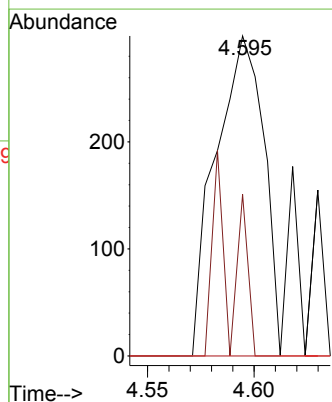
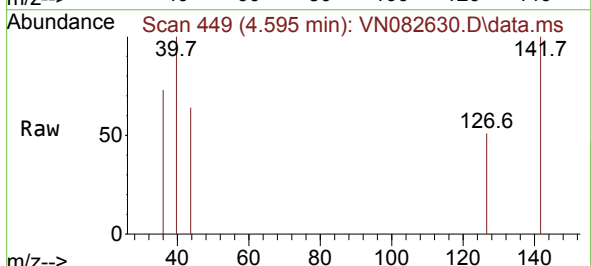
Instrument :
MSVOA_N
ClientSampleId :

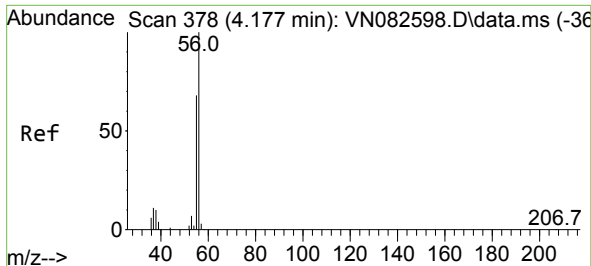
Tgt Ion: 94 Resp: 914
Ion Ratio Lower Upper
94 100
96 81.7 78.0 117.0



#10
Methyl Iodide
Concen: 0.315 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN082630.D
Acq: 19 Jun 2024 10:32

Tgt Ion: 142 Resp: 470
Ion Ratio Lower Upper
142 100
127 50.5 37.5 56.3
141 0.0 13.1 19.7#





#13

Acrolein

Concen: 0.403 ug/l

RT: 4.171 min Scan# 31

Delta R.T. -0.006 min

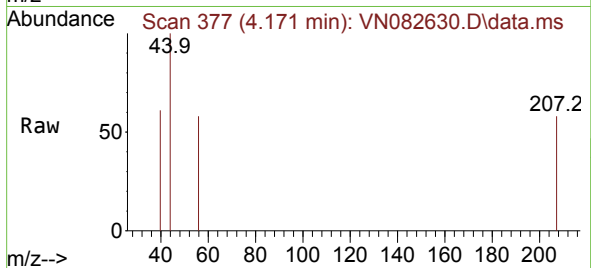
Lab File: VN082630.D

Acq: 19 Jun 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

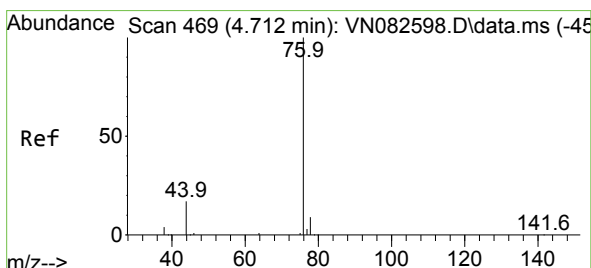
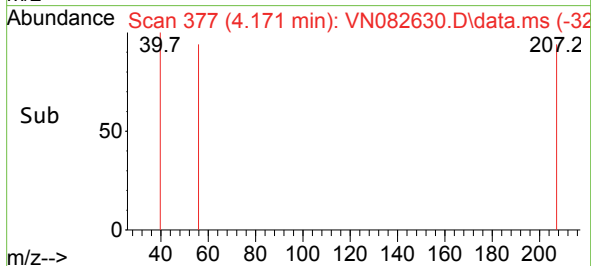
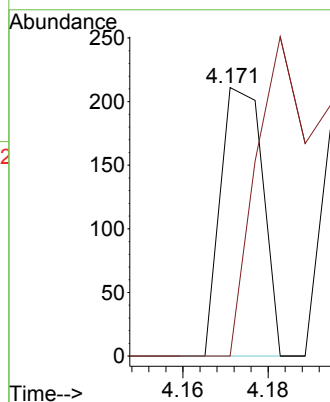


Tgt Ion: 56 Resp: 145

Ion Ratio Lower Upper

56 100

55 186.9 56.4 84.6#



#17

Carbon Disulfide

Concen: 0.433 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.006 min

Lab File: VN082630.D

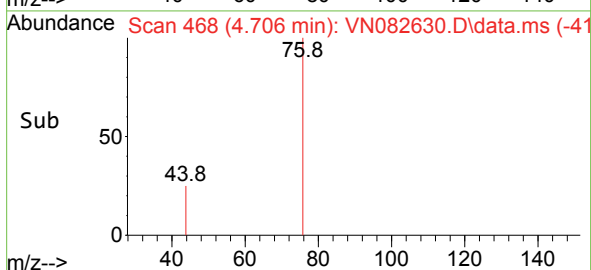
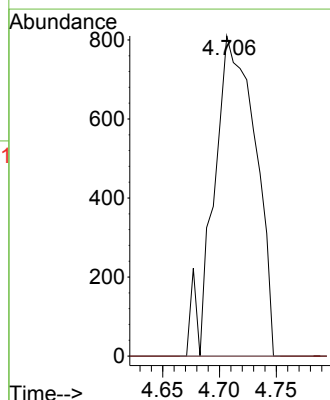
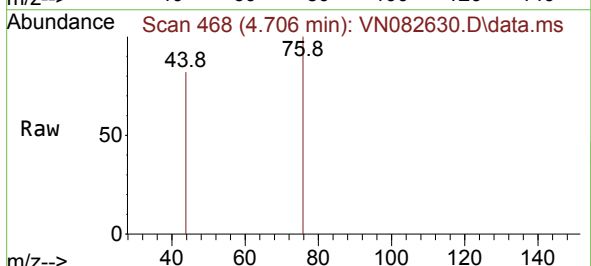
Acq: 19 Jun 2024 10:32

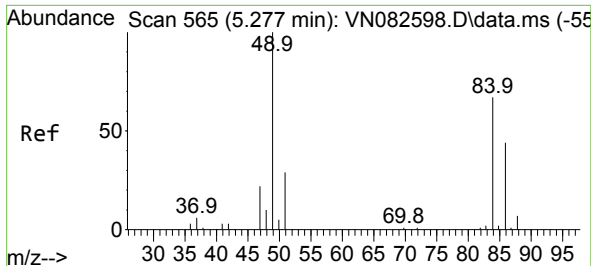
Tgt Ion: 76 Resp: 2061

Ion Ratio Lower Upper

76 100

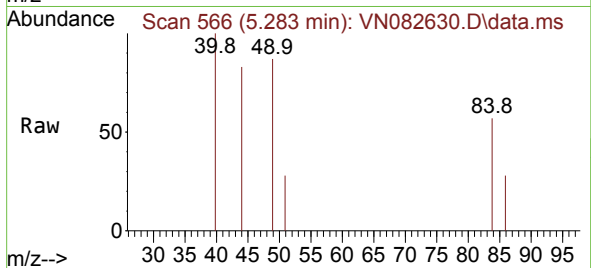
78 0.0 7.2 10.8#



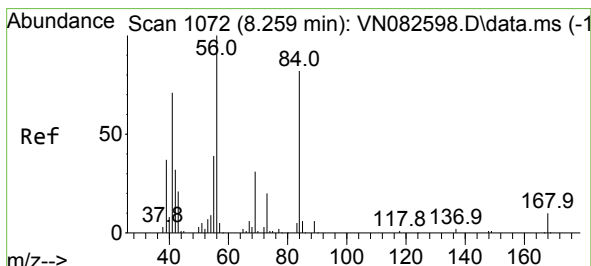
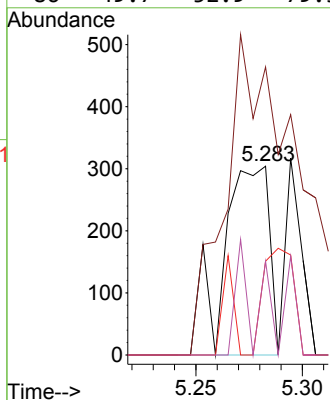
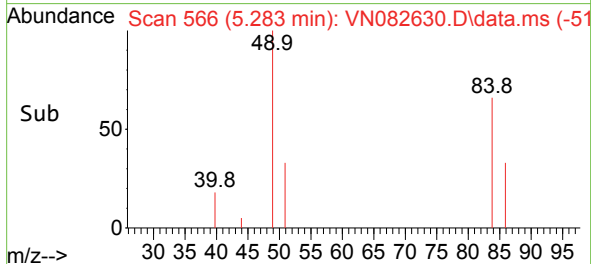


#20
Methylene Chloride
Concen: 0.265 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082630.D
Acq: 19 Jun 2024 10:32

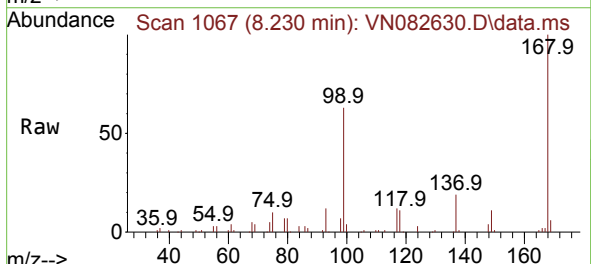
Instrument :
MSVOA_N
ClientSampleId :



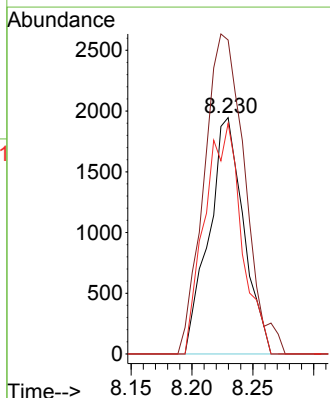
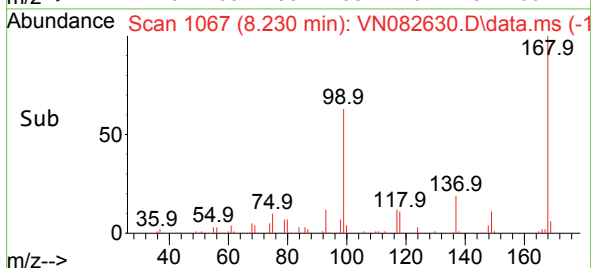
Tgt Ion: 84 Resp: 457
Ion Ratio Lower Upper
84 100
49 152.6 119.6 179.4
51 49.7 34.8 52.2
86 49.7 52.9 79.3#

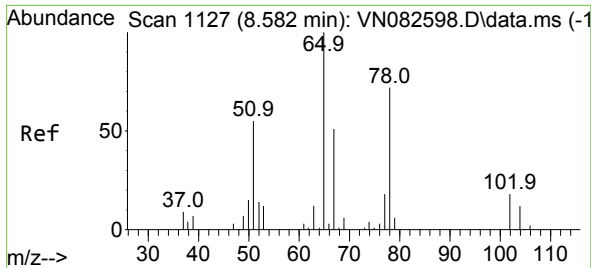


#31
Cyclohexane
Concen: 1.238 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082630.D
Acq: 19 Jun 2024 10:32



Tgt Ion: 56 Resp: 3854
Ion Ratio Lower Upper
56 100
69 132.8 24.5 36.7#
84 97.6 66.0 99.0

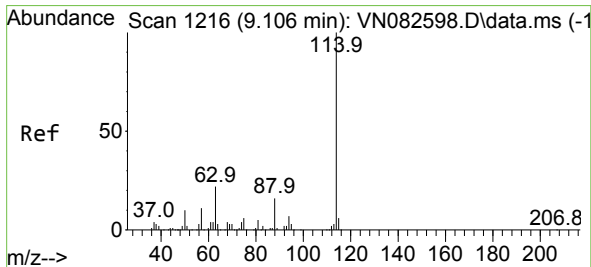
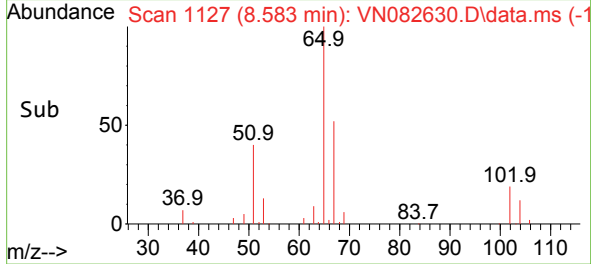
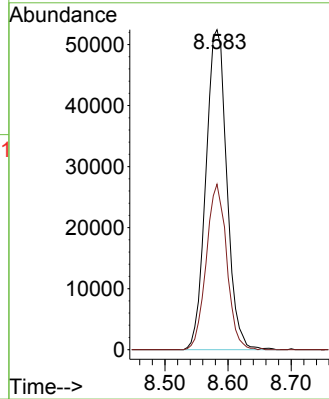
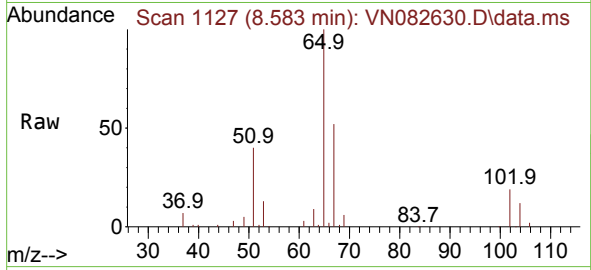




#33
 1,2-Dichloroethane-d4
 Concen: 55.802 ug/l
 RT: 8.583 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VN082630.D
 Acq: 19 Jun 2024 10:32

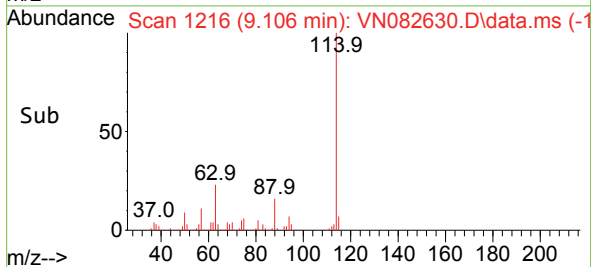
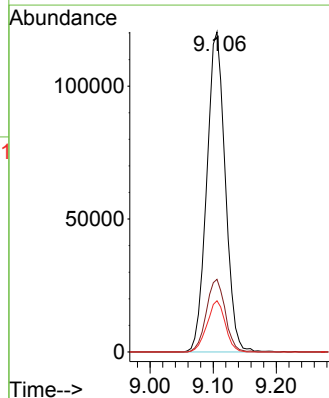
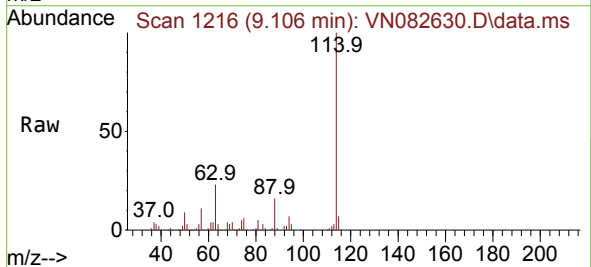
Instrument :
 MSVOA_N
 ClientSampleId :

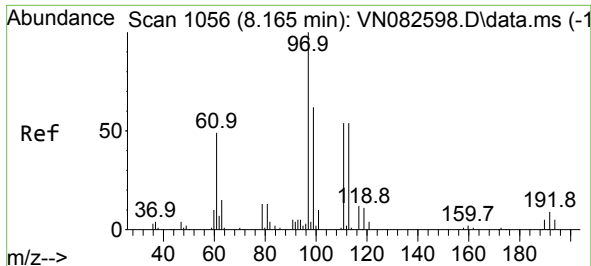
Tgt Ion: 65 Resp: 120408
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN082630.D
 Acq: 19 Jun 2024 10:32

Tgt Ion: 114 Resp: 244675
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 44.6
 88 16.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.570 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

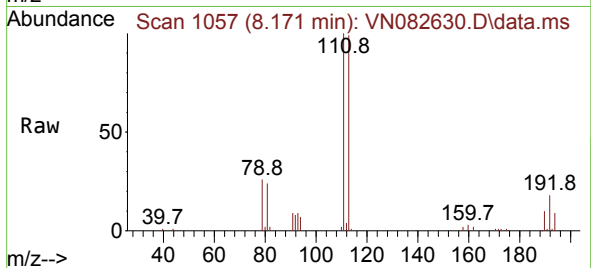
Lab File: VN082630.D

Acq: 19 Jun 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :



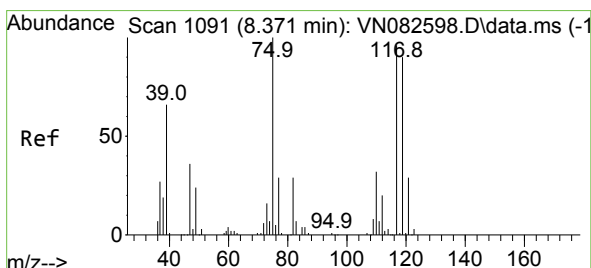
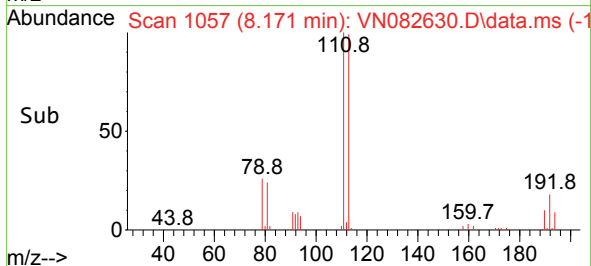
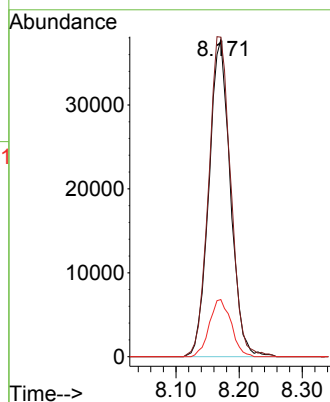
Tgt Ion:113 Resp: 88919

Ion Ratio Lower Upper

113 100

111 104.5 82.4 123.6

192 18.4 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.983 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN082630.D

Acq: 19 Jun 2024 10:32

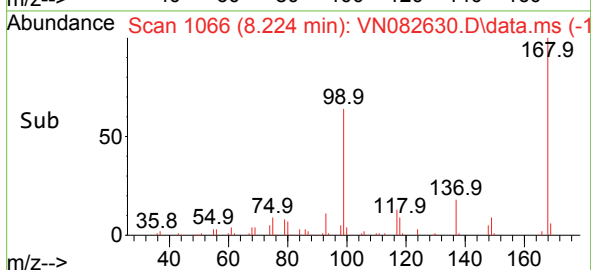
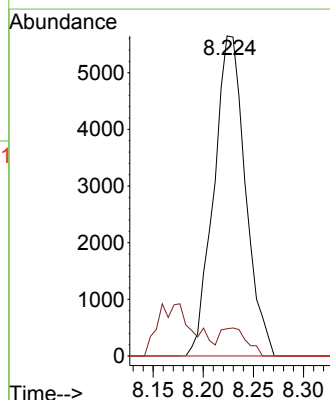
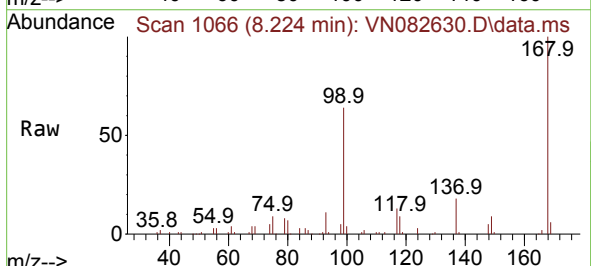
Tgt Ion: 75 Resp: 12365

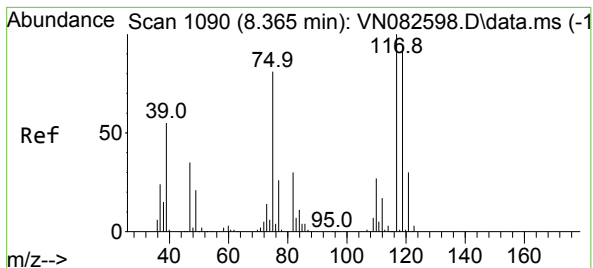
Ion Ratio Lower Upper

75 100

110 7.3 16.3 48.9#

77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.495 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

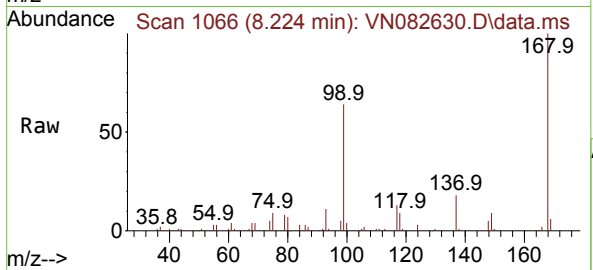
Lab File: VN082630.D

Acq: 19 Jun 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :



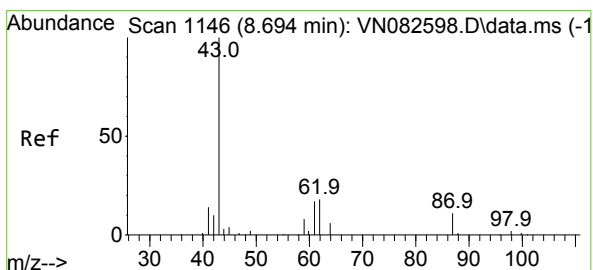
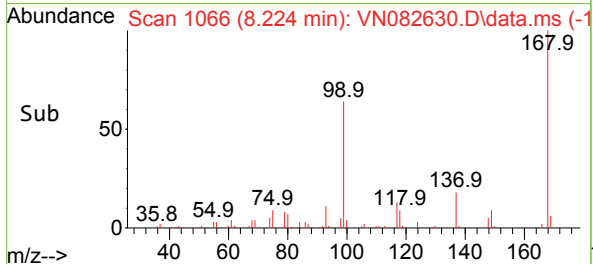
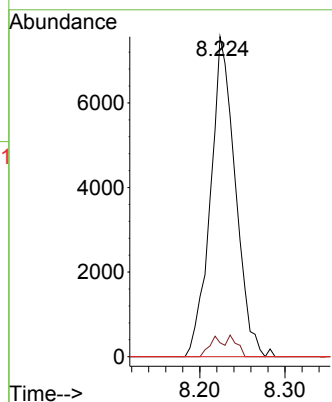
Tgt Ion:117 Resp: 15367

Ion Ratio Lower Upper

117 100

119 4.4 74.9 112.3#

121 0.0 24.3 36.5#



#43

Isopropyl Acetate

Concen: 0.407 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN082630.D

Acq: 19 Jun 2024 10:32

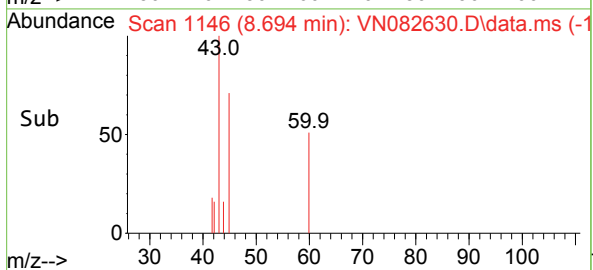
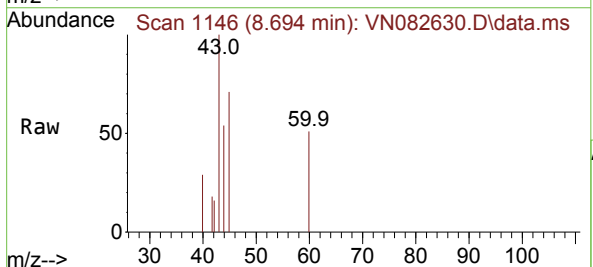
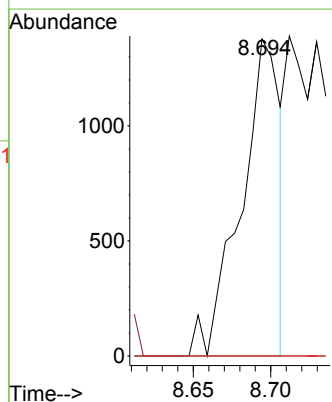
Tgt Ion: 43 Resp: 2407

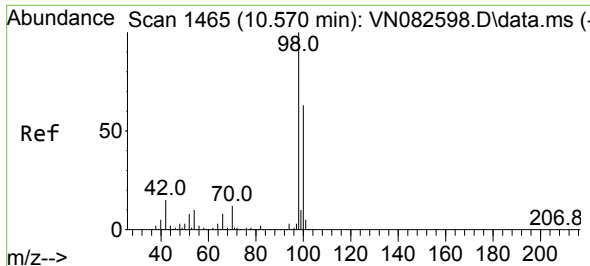
Ion Ratio Lower Upper

43 100

61 0.0 17.8 26.6#

87 0.0 8.2 12.2#

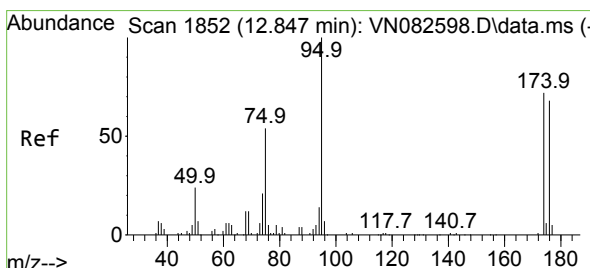
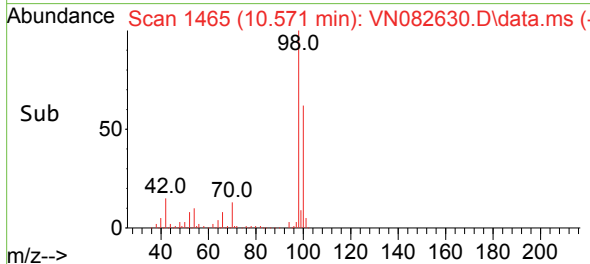
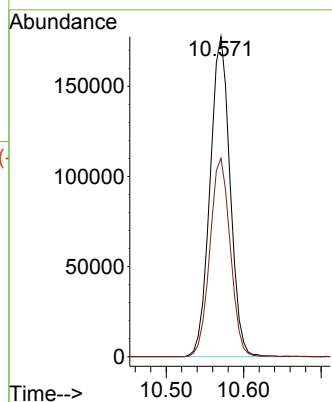
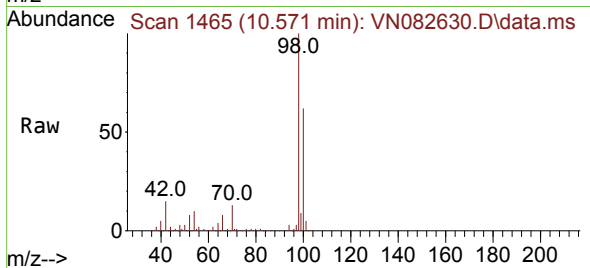




#50
Toluene-d8
Concen: 50.740 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082630.D
Acq: 19 Jun 2024 10:32

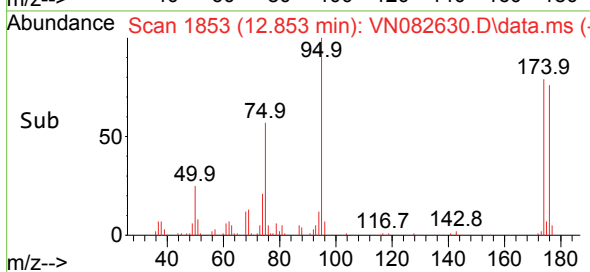
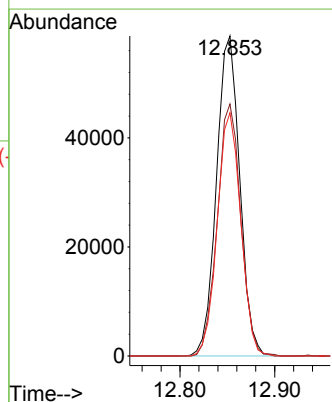
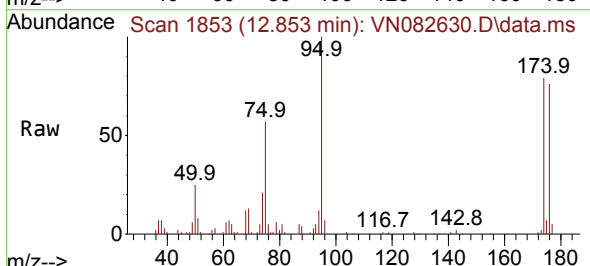
Instrument :
MSVOA_N
ClientSampleId :

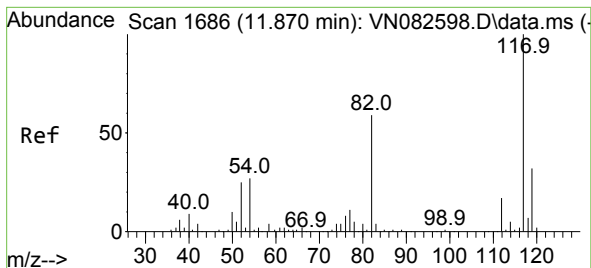
Tgt Ion: 98 Resp: 318491
Ion Ratio Lower Upper
98 100
100 63.0 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 46.358 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082630.D
Acq: 19 Jun 2024 10:32

Tgt Ion: 95 Resp: 100323
Ion Ratio Lower Upper
95 100
174 79.5 0.0 159.2
176 76.5 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: VN082630.D

Acq: 19 Jun 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

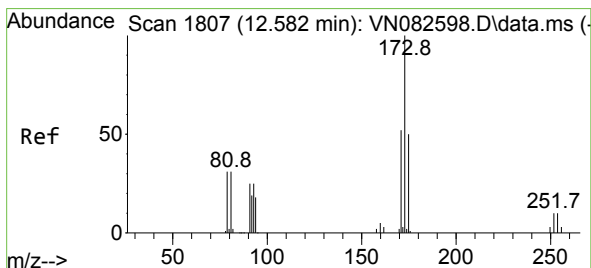
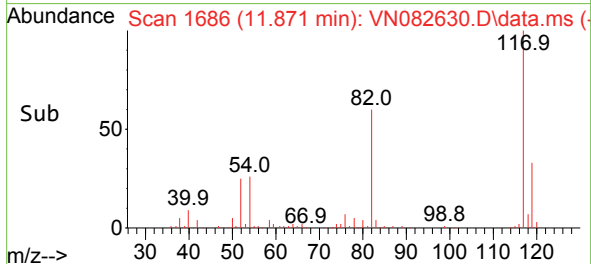
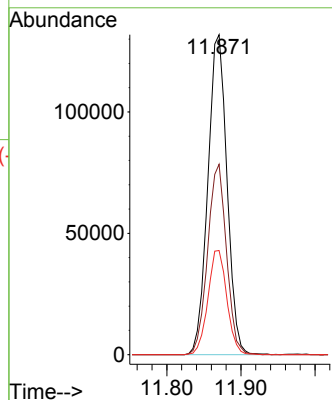
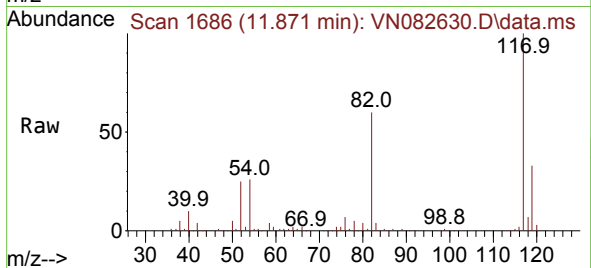
Tgt Ion:117 Resp: 236240

Ion Ratio Lower Upper

117 100

82 59.5 47.5 71.3

119 32.5 25.6 38.4



#71

Bromoform

Concen: 0.784 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.265 min

Lab File: VN082630.D

Acq: 19 Jun 2024 10:32

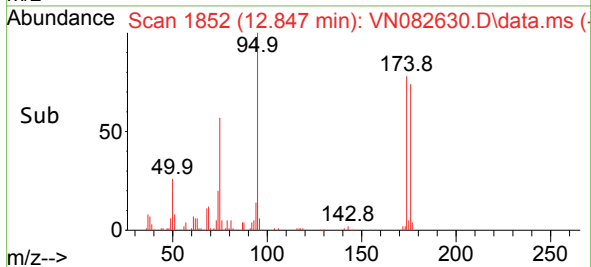
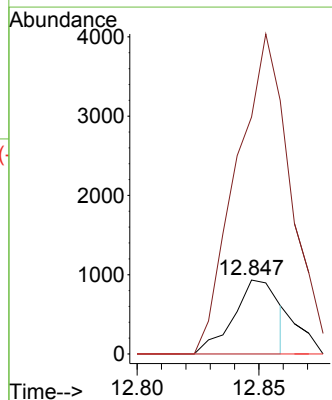
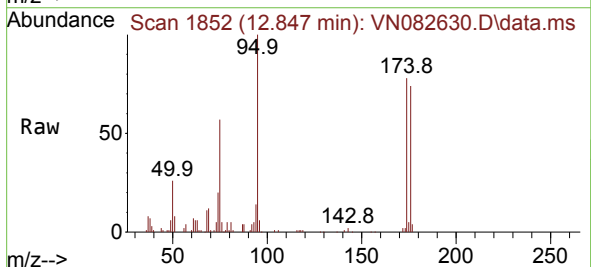
Tgt Ion:173 Resp: 1197

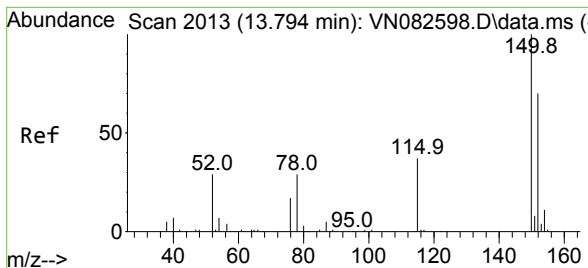
Ion Ratio Lower Upper

173 100

175 432.2 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: VN082630.D

Acq: 19 Jun 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

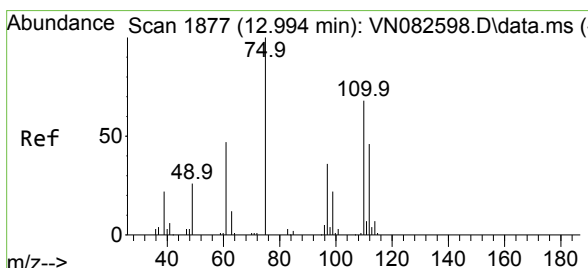
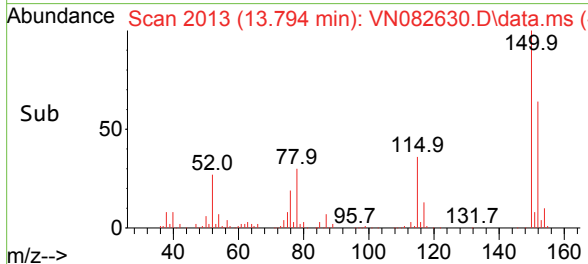
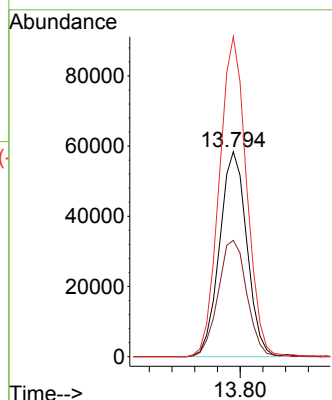
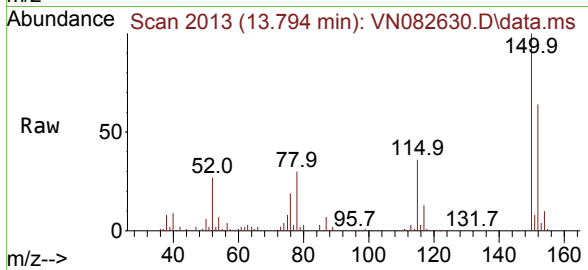
Tgt Ion:152 Resp: 97342

Ion Ratio Lower Upper

152 100

115 59.7 30.6 91.6

150 156.6 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 24.101 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082630.D

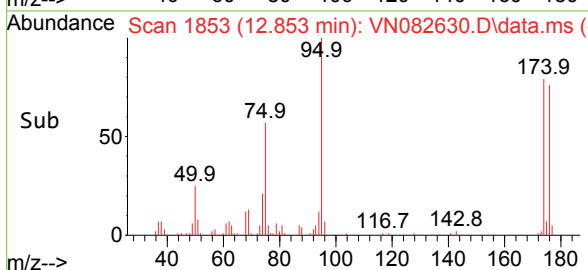
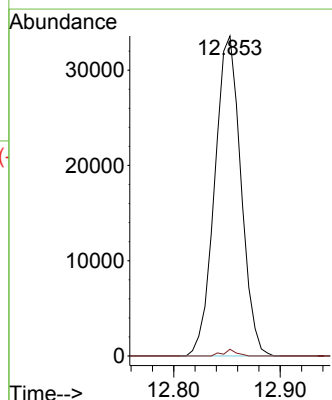
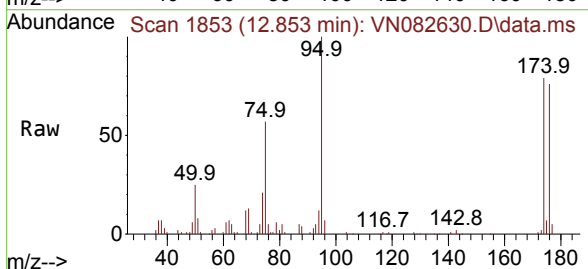
Acq: 19 Jun 2024 10:32

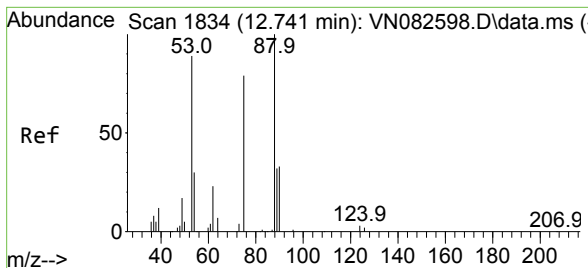
Tgt Ion: 75 Resp: 57381

Ion Ratio Lower Upper

75 100

77 1.0 110.9 332.6#

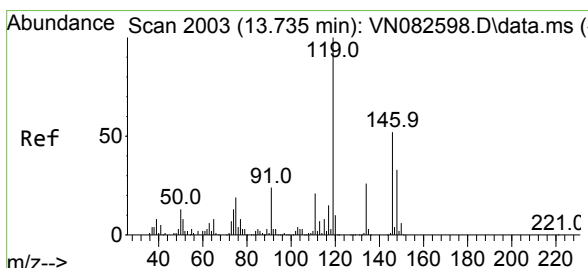
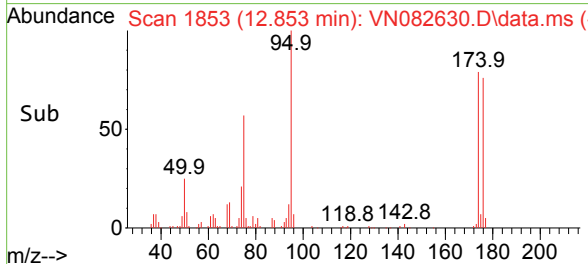
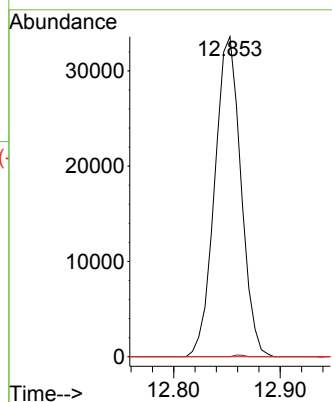
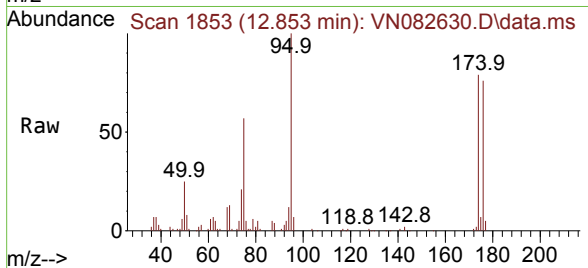




#81
trans-1,4-Dichloro-2-butene
Concen: 57.660 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN082630.D
Acq: 19 Jun 2024 10:32

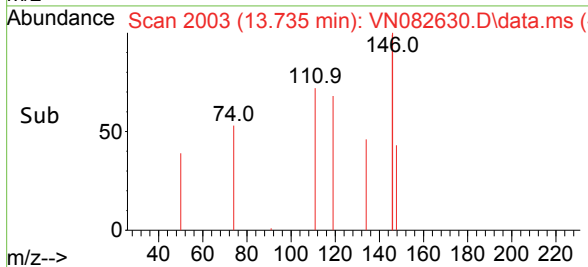
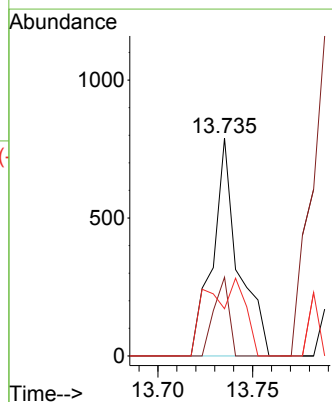
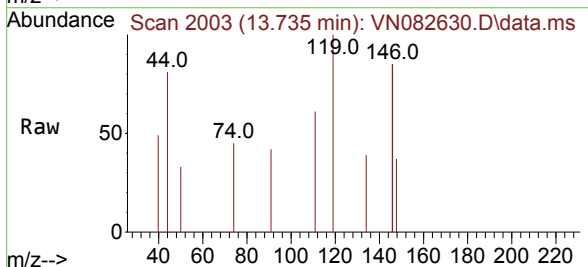
Instrument :
MSVOA_N
ClientSampleId :

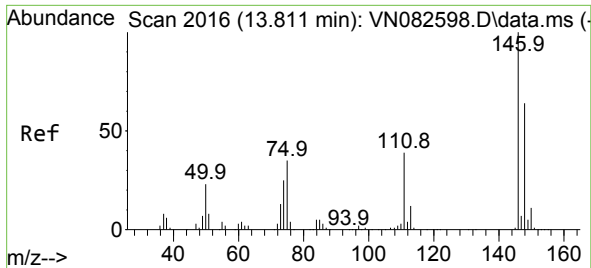
Tgt Ion: 75 Resp: 57381
Ion Ratio Lower Upper
75 100
53 0.2 88.4 132.6#
89 0.0 36.3 54.5#



#87
1,3-Dichlorobenzene
Concen: 0.217 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN082630.D
Acq: 19 Jun 2024 10:32

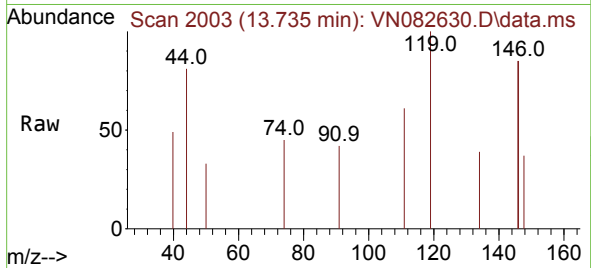
Tgt Ion: 146 Resp: 748
Ion Ratio Lower Upper
146 100
111 21.1 20.6 61.9
148 51.9 31.8 95.3



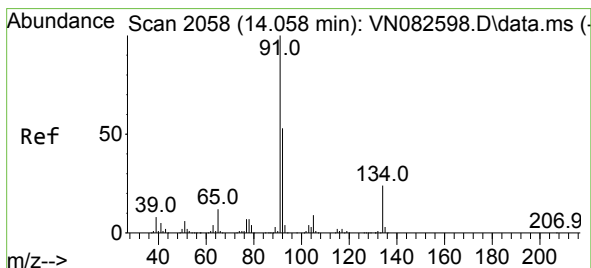
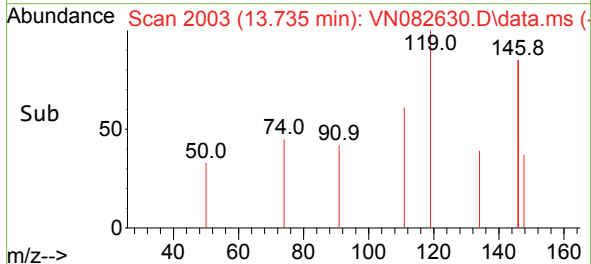
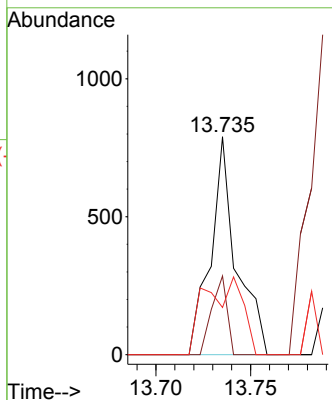


#88
 1,4-Dichlorobenzene
 Concen: 0.207 ug/l
 RT: 13.735 min Scan# 2016
 Delta R.T. -0.076 min
 Lab File: VN082630.D
 Acq: 19 Jun 2024 10:32

Instrument :
 MSVOA_N
 ClientSampleId :

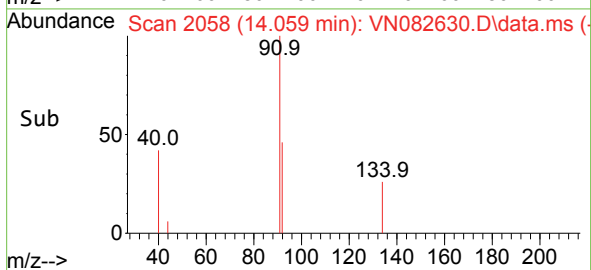
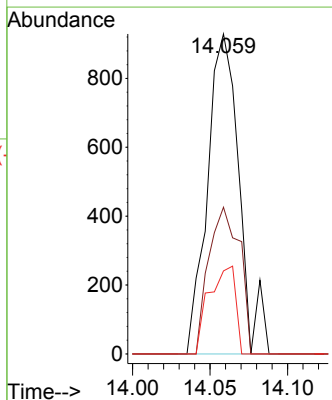
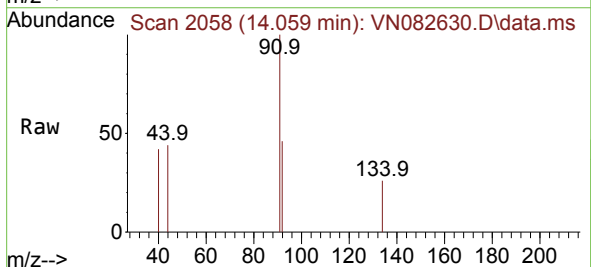


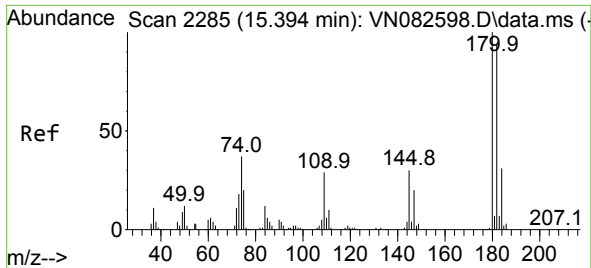
Tgt Ion:146 Resp: 748
 Ion Ratio Lower Upper
 146 100
 111 21.1 20.1 60.3
 148 51.9 32.2 96.6



#89
 n-Butylbenzene
 Concen: 0.254 ug/l
 RT: 14.059 min Scan# 2058
 Delta R.T. 0.000 min
 Lab File: VN082630.D
 Acq: 19 Jun 2024 10:32

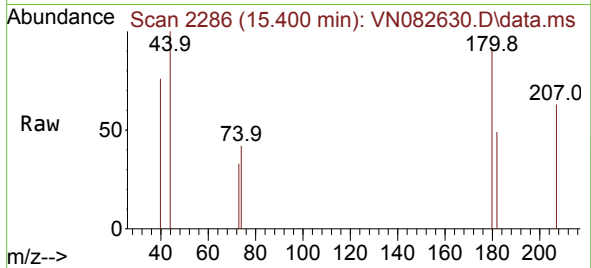
Tgt Ion: 91 Resp: 1319
 Ion Ratio Lower Upper
 91 100
 92 44.8 26.1 78.3
 134 22.8 12.1 36.3



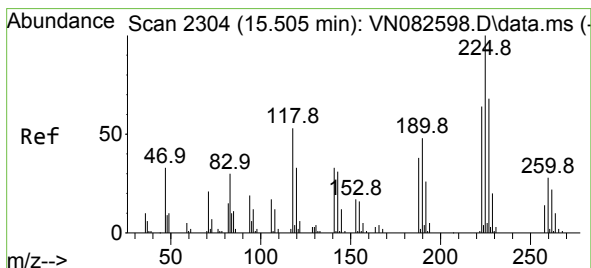
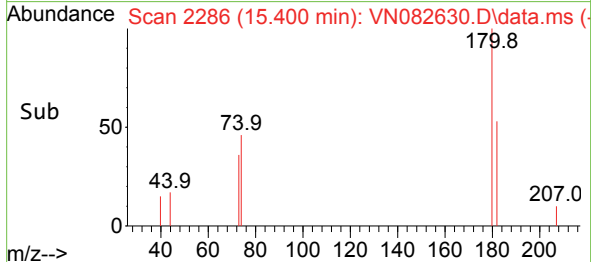
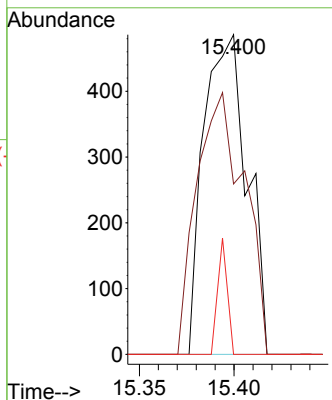


#93
1,2,4-Trichlorobenzene
Concen: 0.436 ug/l
RT: 15.400 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN082630.D
Acq: 19 Jun 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :

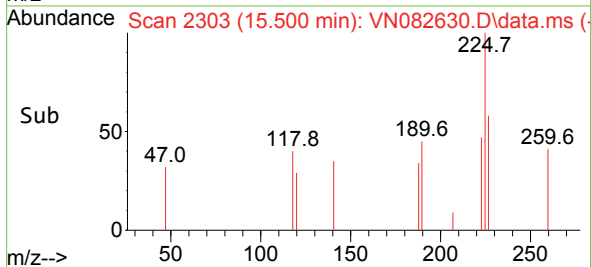
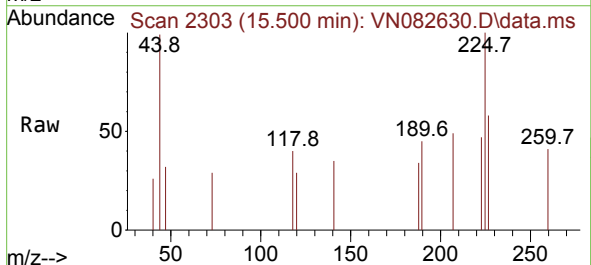
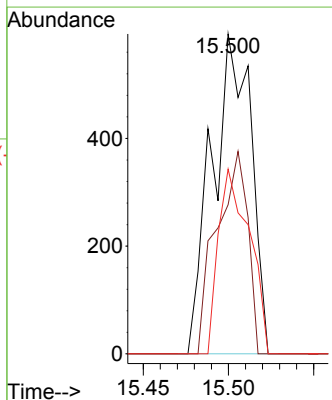


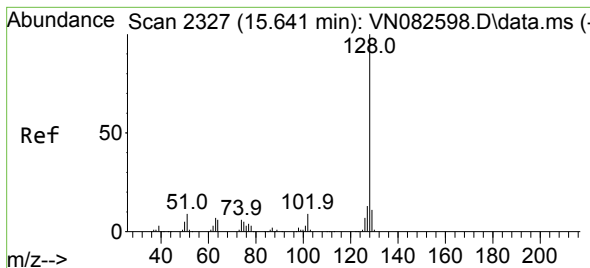
Tgt Ion:180 Resp: 774
Ion Ratio Lower Upper
180 100
182 89.7 47.3 141.8
145 8.0 15.7 47.1#



#94
Hexachlorobutadiene
Concen: 1.079 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.005 min
Lab File: VN082630.D
Acq: 19 Jun 2024 10:32

Tgt Ion:225 Resp: 945
Ion Ratio Lower Upper
225 100
223 50.4 31.9 95.7
227 46.0 32.5 97.5





#95

Naphthalene

Concen: 0.501 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN082630.D

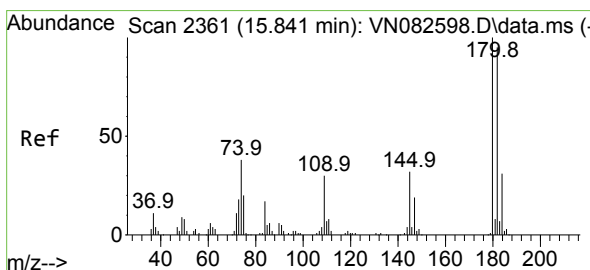
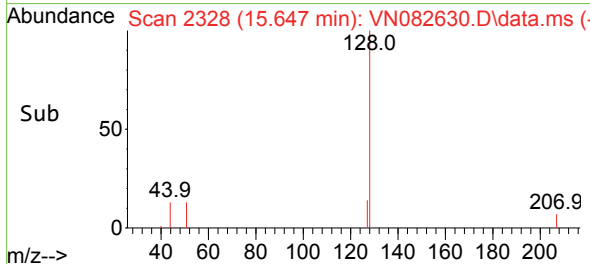
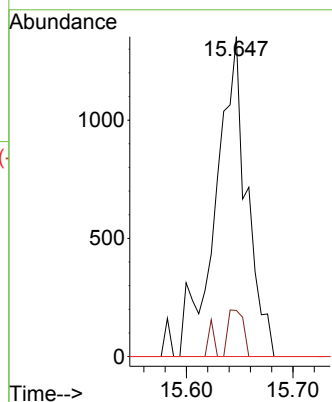
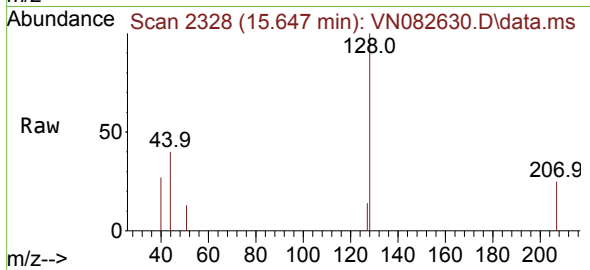
Acq: 19 Jun 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	2736
Ion Ratio	Lower	Upper
128	100	
127	7.2	10.6 16.0#
129	0.0	8.6 12.8#



#96

1,2,3-Trichlorobenzene

Concen: 0.623 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.006 min

Lab File: VN082630.D

Acq: 19 Jun 2024 10:32

Tgt Ion:180	Resp:	1128
Ion Ratio	Lower	Upper
180	100	
182	68.4	48.9 146.8
145	14.0	16.8 50.4#

