

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062124\
 Data File : VN082681.D
 Acq On : 21 Jun 2024 16:32
 Operator : JC\MD
 Sample : P3004-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 24 02:14:22 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	143328	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	262228	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	252386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	101282	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	117377	51.068	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.140%
35) Dibromofluoromethane	8.171	113	87166	48.999	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.000%
50) Toluene-d8	10.570	98	309504	46.007	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.020%
62) 4-Bromofluorobenzene	12.853	95	95866	41.334	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	82.660%

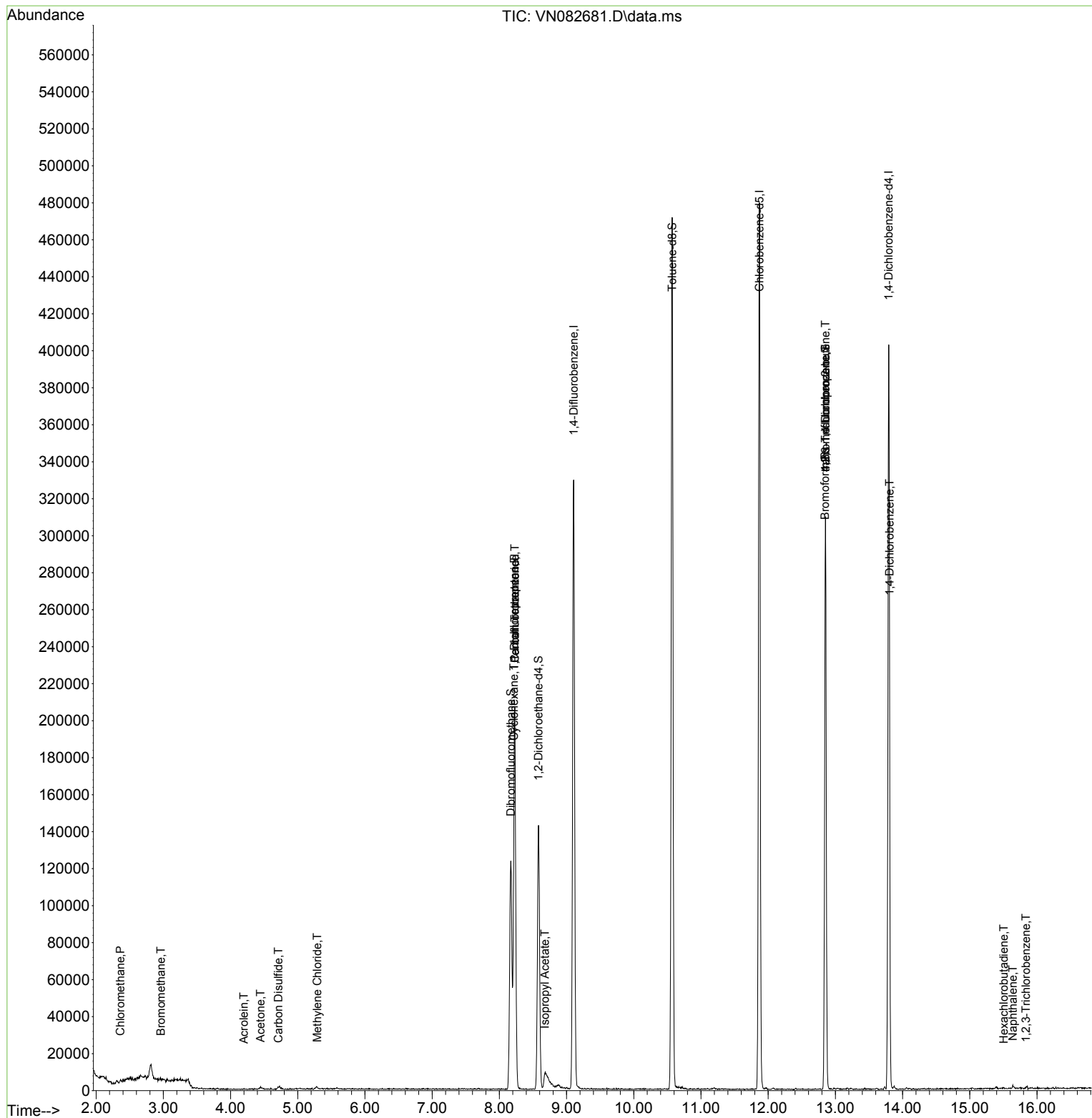
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	1054	0.439	ug/l #	81
5) Bromomethane	2.965	94	816	0.555	ug/l	100
13) Acrolein	4.200	56	81	0.211	ug/l	96
16) Acetone	4.447	43	2083	1.993	ug/l #	87
17) Carbon Disulfide	4.712	76	1389	0.274	ug/l #	75
20) Methylene Chloride	5.289	84	672	0.366	ug/l #	48
31) Cyclohexane	8.218	56	4174	1.258	ug/l #	48
36) 1,1-Dichloropropene	8.224	75	13628	5.125	ug/l #	52
38) Carbon Tetrachloride	8.229	117	15564	5.193	ug/l #	19
43) Isopropyl Acetate	8.677	43	7742	1.223	ug/l #	60
71) Bromoform	12.847	173	792	0.485	ug/l #	29
76) 1,2,3-Trichloropropane	12.853	75	57494	23.209	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	57494	55.526	ug/l #	6
88) 1,4-Dichlorobenzene	13.806	146	797	0.212	ug/l #	1
94) Hexachlorobutadiene	15.505	225	437	0.480	ug/l #	43
95) Naphthalene	15.641	128	1703	0.300	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.835	180	597	0.317	ug/l #	80

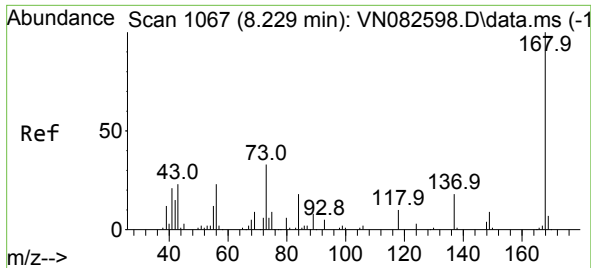
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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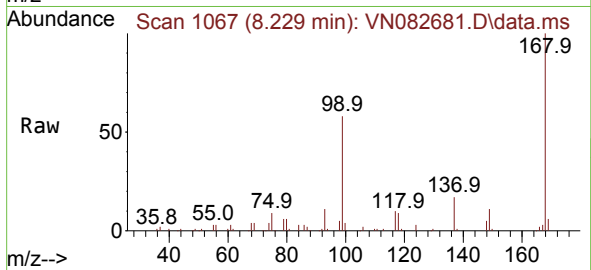
Quant Time: Jun 24 02:14:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 18 04:52:44 2024
Response via : Initial Calibration



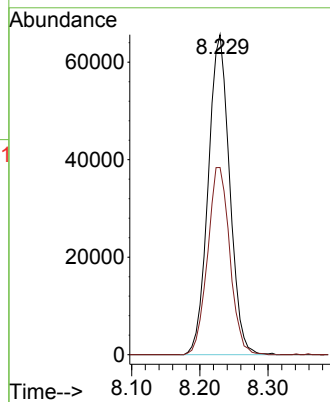
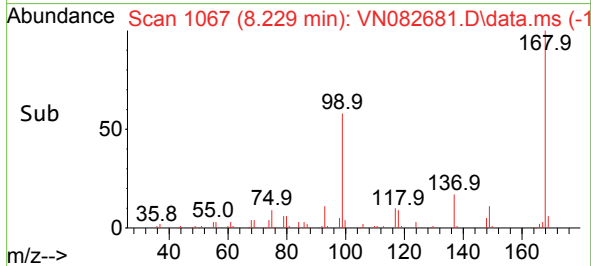


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. 0.000 min
Lab File: VN082681.D
Acq: 21 Jun 2024 16:32

Instrument :
MSVOA_N
ClientSampleId :

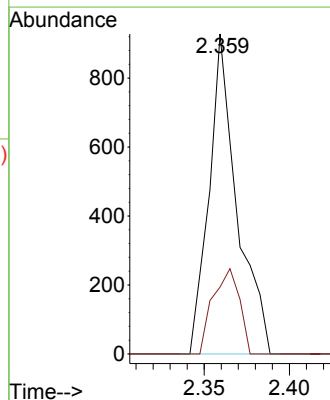
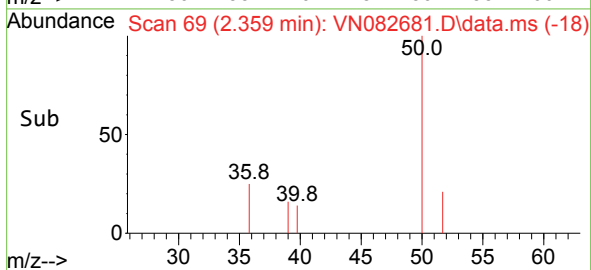
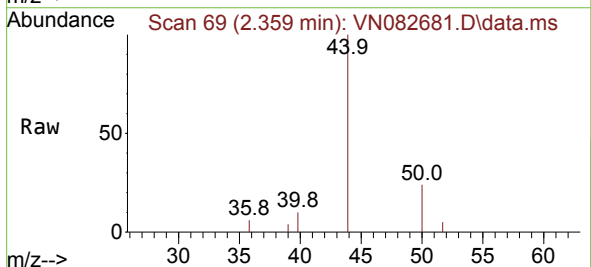


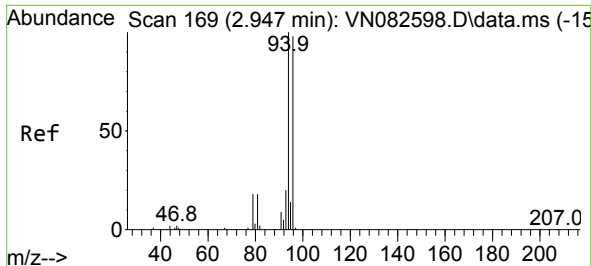
Tgt Ion:168 Resp: 143328
Ion Ratio Lower Upper
168 100
99 58.5 48.2 72.4



#3
Chloromethane
Concen: 0.439 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN082681.D
Acq: 21 Jun 2024 16:32

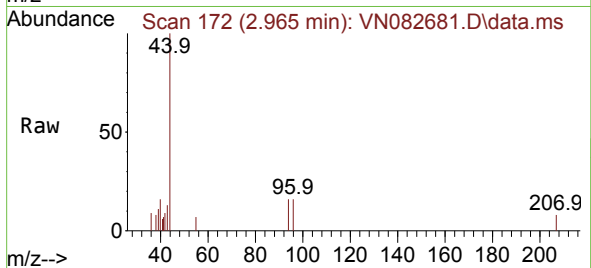
Tgt Ion: 50 Resp: 1054
Ion Ratio Lower Upper
50 100
52 20.9 25.0 37.4#



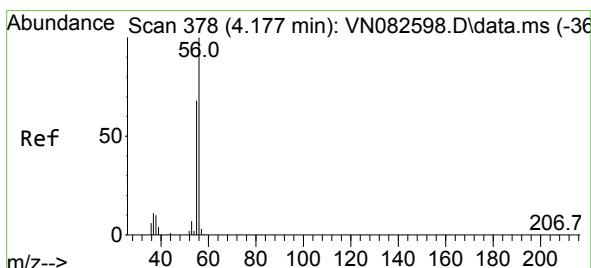
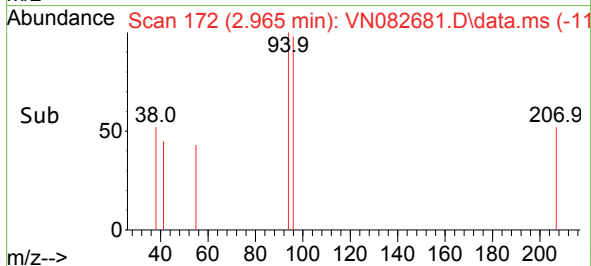
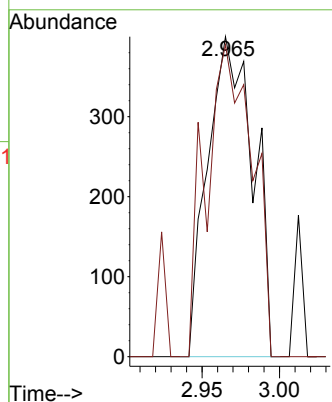


#5
Bromomethane
Concen: 0.555 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN082681.D
Acq: 21 Jun 2024 16:32

Instrument :
MSVOA_N
ClientSampleId :

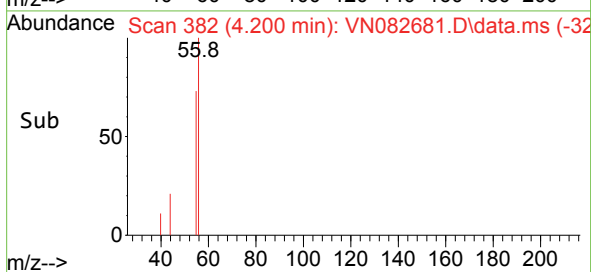
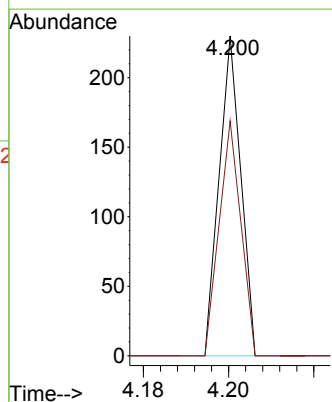
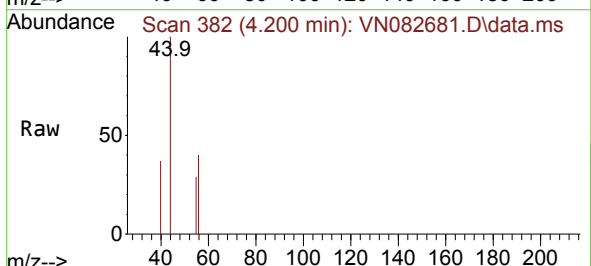


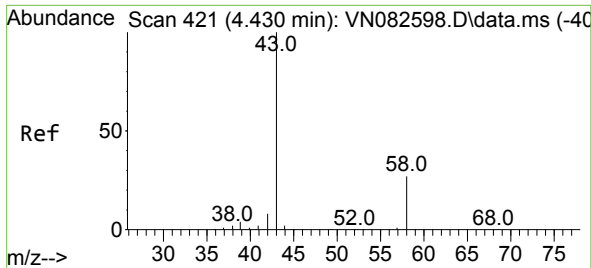
Tgt Ion: 94 Resp: 816
Ion Ratio Lower Upper
94 100
96 97.5 78.0 117.0



#13
Acrolein
Concen: 0.211 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.024 min
Lab File: VN082681.D
Acq: 21 Jun 2024 16:32

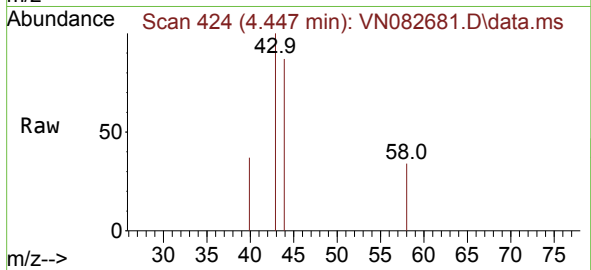
Tgt Ion: 56 Resp: 81
Ion Ratio Lower Upper
56 100
55 74.1 56.4 84.6



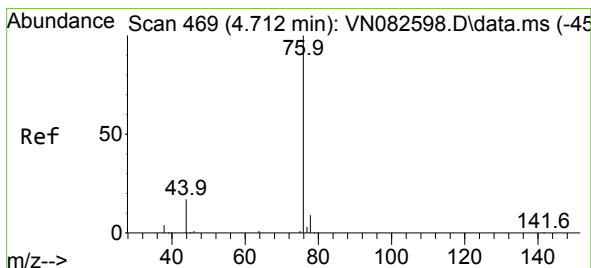
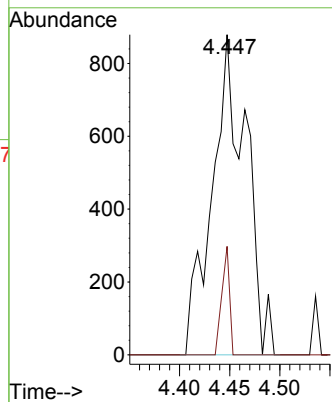
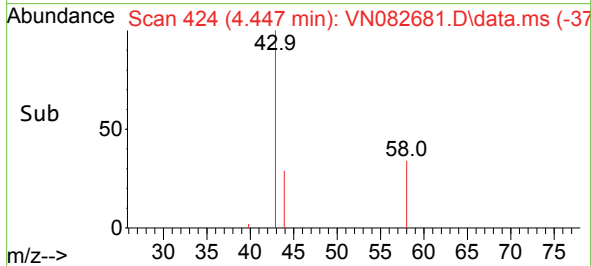


#16
Acetone
Concen: 1.993 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN082681.D
Acq: 21 Jun 2024 16:32

Instrument :
MSVOA_N
ClientSampleId :

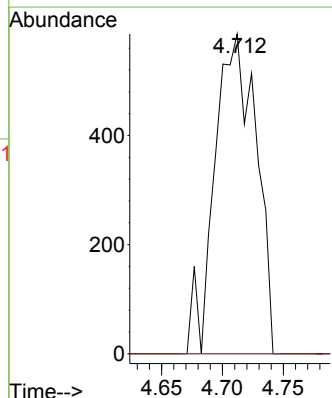
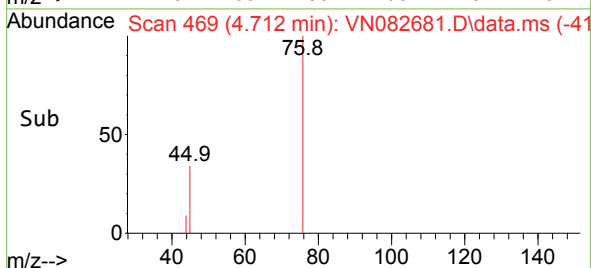
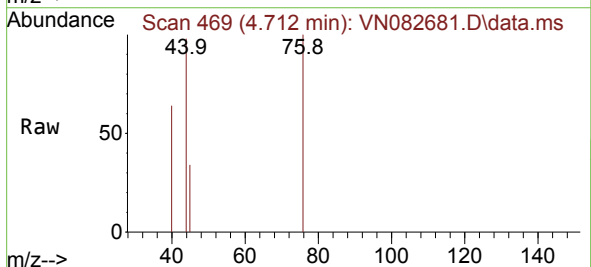


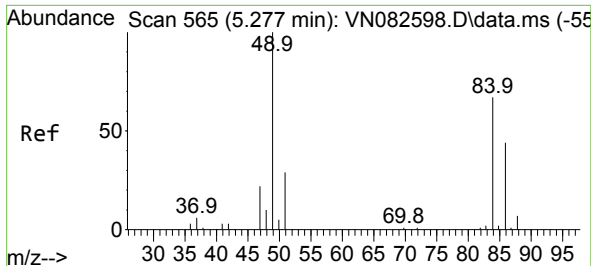
Tgt Ion: 43 Resp: 2083
Ion Ratio Lower Upper
43 100
58 33.9 21.8 32.6#



#17
Carbon Disulfide
Concen: 0.274 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN082681.D
Acq: 21 Jun 2024 16:32

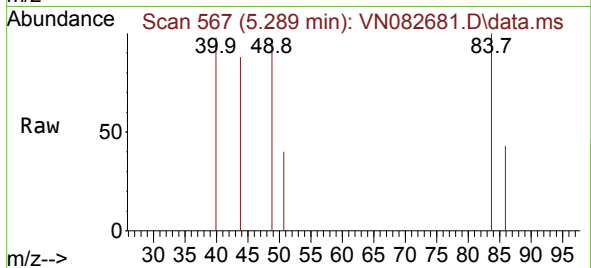
Tgt Ion: 76 Resp: 1389
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





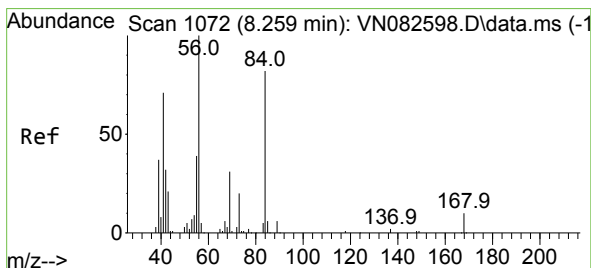
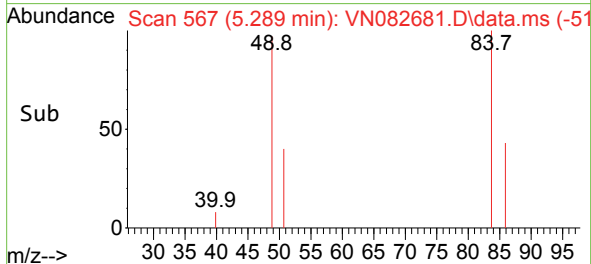
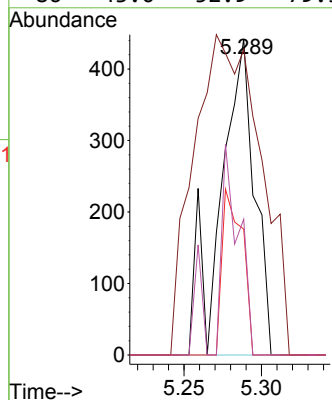
#20
Methylene Chloride
Concen: 0.366 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082681.D
Acq: 21 Jun 2024 16:32

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 672

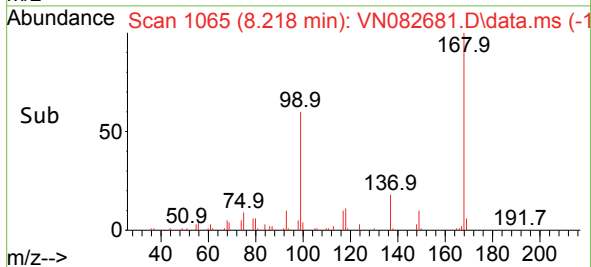
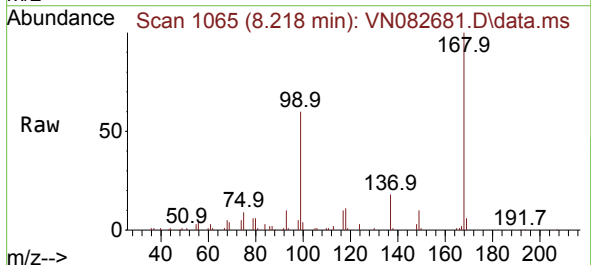
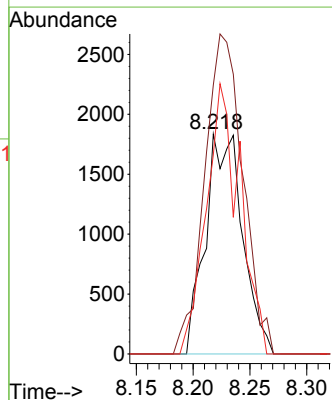
Ion	Ratio	Lower	Upper
84	100		
49	53.4	119.6	179.4#
51	39.8	34.8	52.2
86	43.0	52.9	79.3#

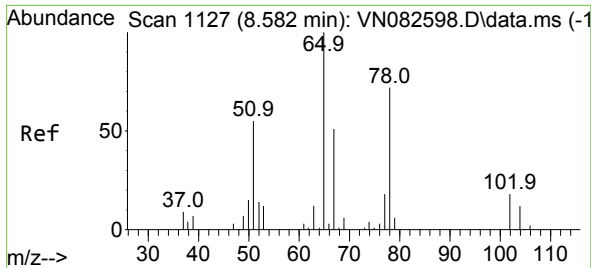


#31
Cyclohexane
Concen: 1.258 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN082681.D
Acq: 21 Jun 2024 16:32

Tgt Ion: 56 Resp: 4174

Ion	Ratio	Lower	Upper
56	100		
69	122.3	24.5	36.7#
84	90.6	66.0	99.0





#33

1,2-Dichloroethane-d4

Concen: 51.068 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082681.D

Acq: 21 Jun 2024 16:32

Instrument :

MSVOA_N

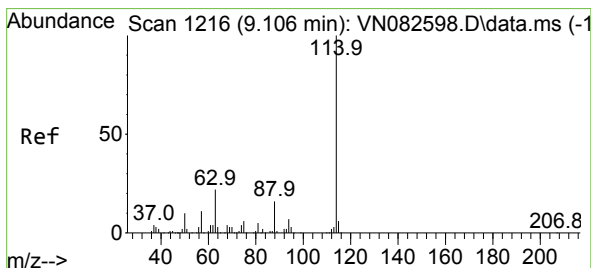
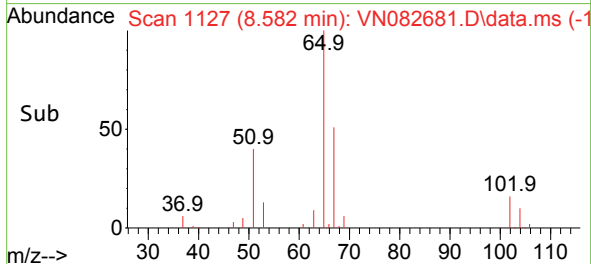
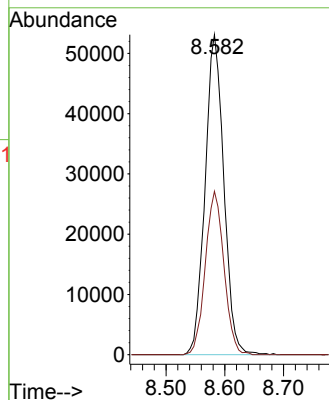
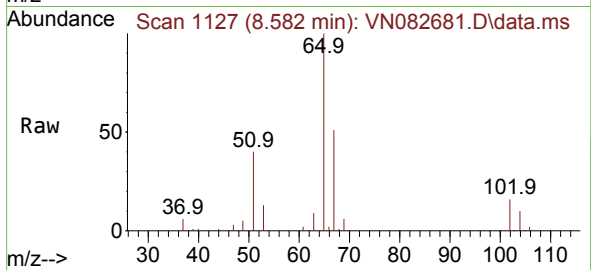
ClientSampleId :

Tgt Ion: 65 Resp: 117377

Ion Ratio Lower Upper

65 100

67 50.8 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: VN082681.D

Acq: 21 Jun 2024 16:32

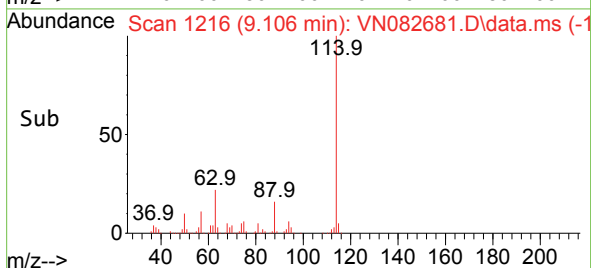
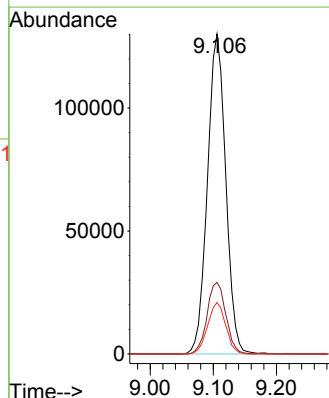
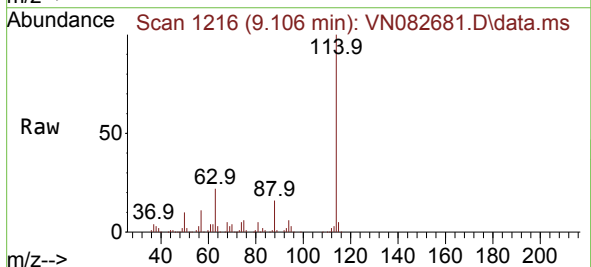
Tgt Ion: 114 Resp: 262228

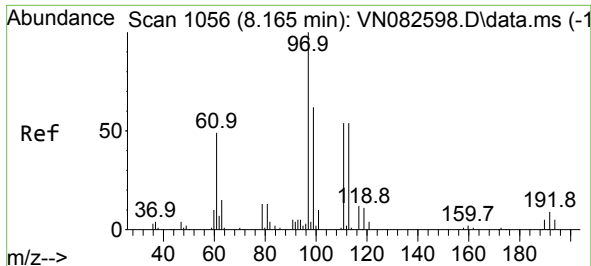
Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.6

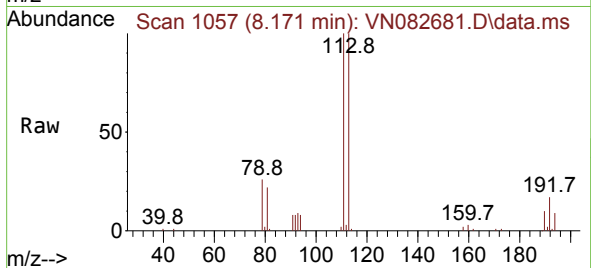
88 16.0 0.0 31.4



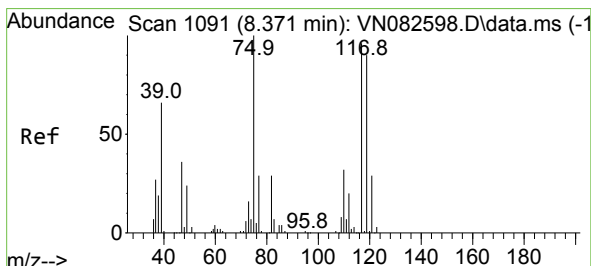
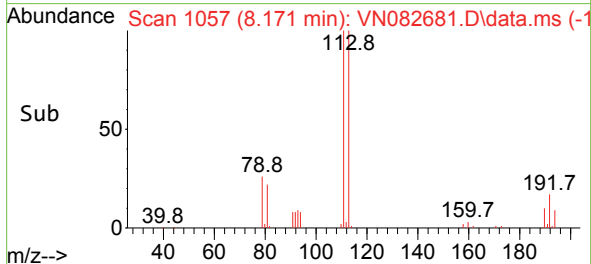
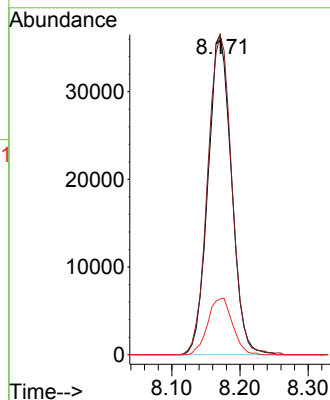


#35
Dibromofluoromethane
Concen: 48.999 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082681.D
Acq: 21 Jun 2024 16:32

Instrument :
MSVOA_N
ClientSampleId :

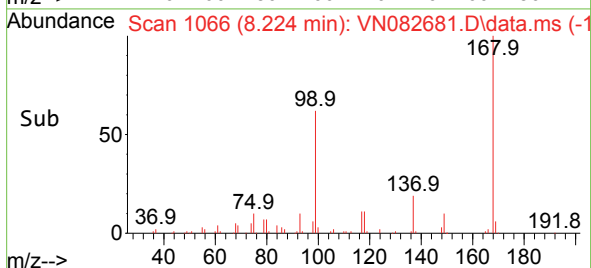
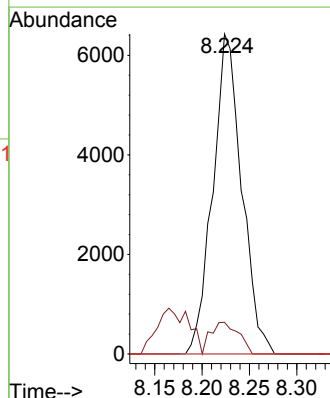
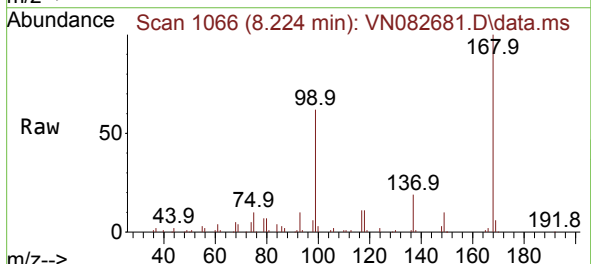


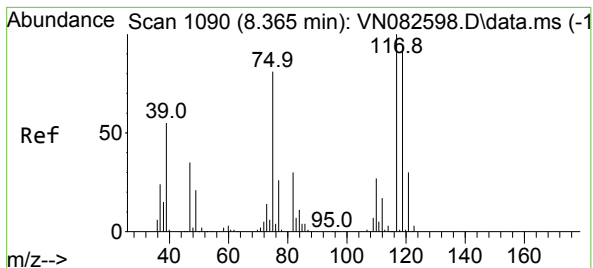
Tgt Ion:113 Resp: 87166
Ion Ratio Lower Upper
113 100
111 103.1 82.4 123.6
192 18.6 14.9 22.3



#36
1,1-Dichloropropene
Concen: 5.125 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082681.D
Acq: 21 Jun 2024 16:32

Tgt Ion: 75 Resp: 13628
Ion Ratio Lower Upper
75 100
110 9.6 16.3 48.9#
77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.193 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.135 min

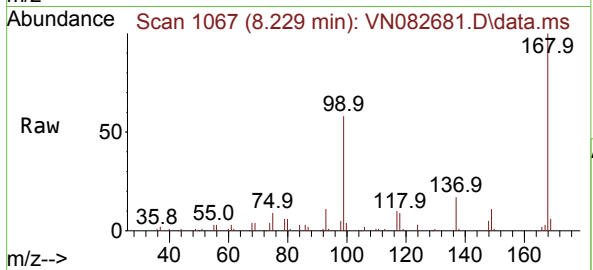
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Acq: 21 Jun 2024 16:32

Instrument :

MSVOA_N

ClientSampleId :



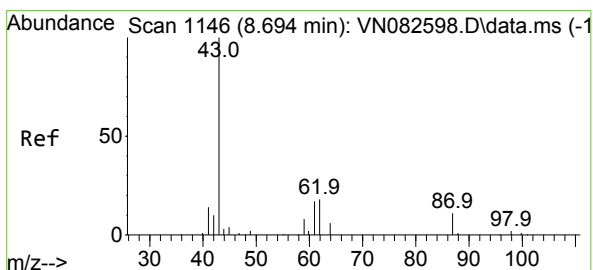
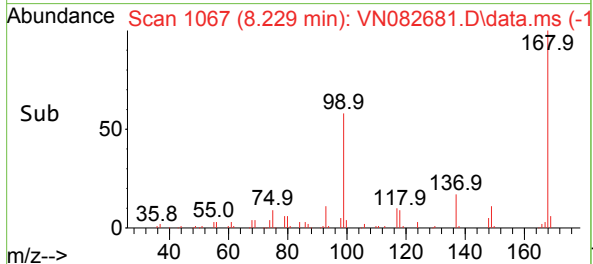
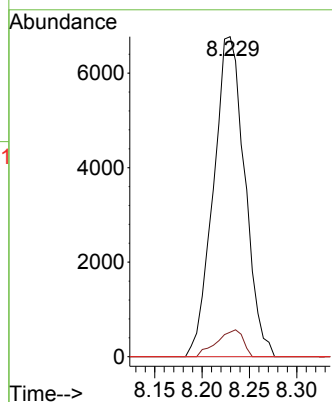
Tgt Ion:117 Resp: 15564

Ion Ratio Lower Upper

117 100

119 7.6 74.9 112.3#

121 0.0 24.3 36.5#



#43

Isopropyl Acetate

Concen: 1.223 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. -0.018 min

Lab File: VN082681.D

Acq: 21 Jun 2024 16:32

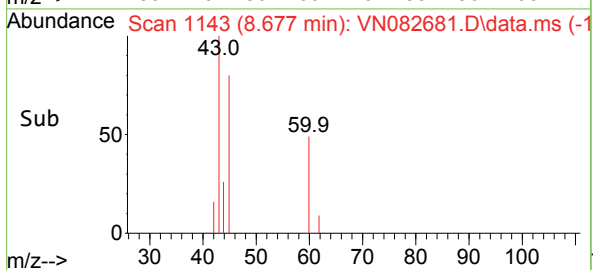
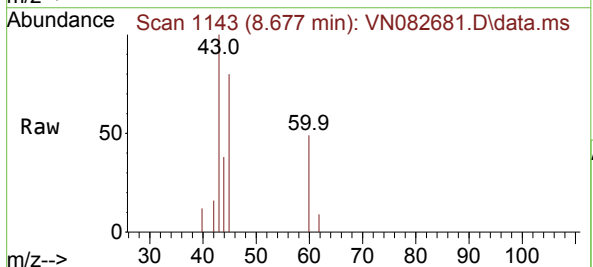
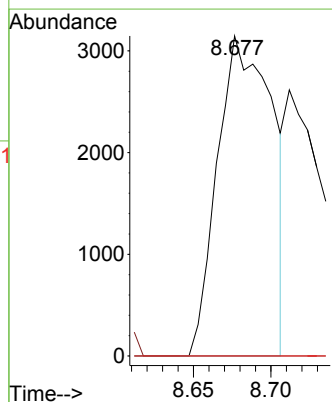
Tgt Ion: 43 Resp: 7742

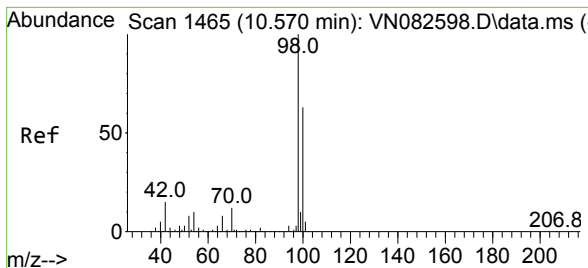
Ion Ratio Lower Upper

43 100

61 0.0 17.8 26.6#

87 0.0 8.2 12.2#

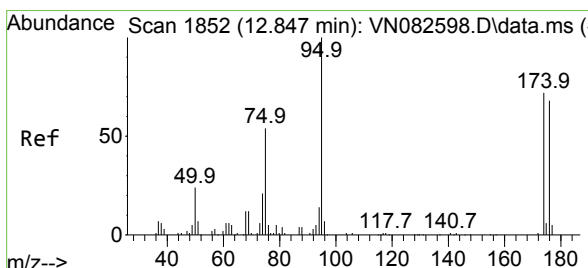
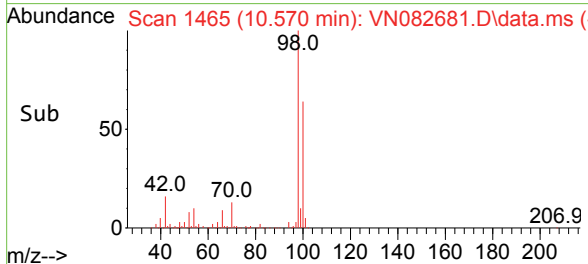
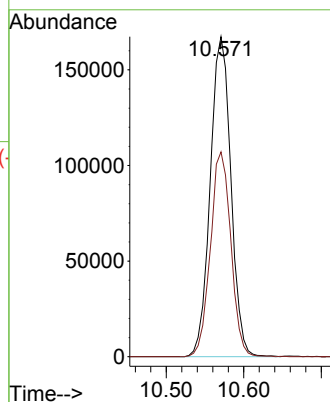
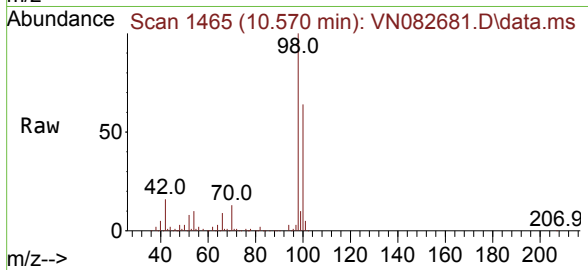




#50
Toluene-d8
Concen: 46.007 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082681.D
Acq: 21 Jun 2024 16:32

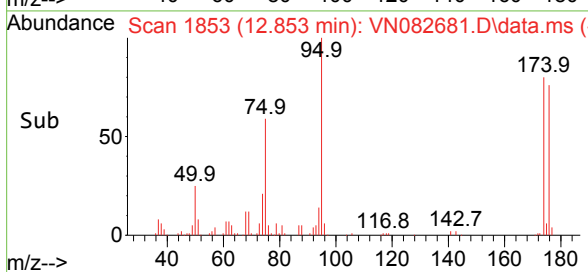
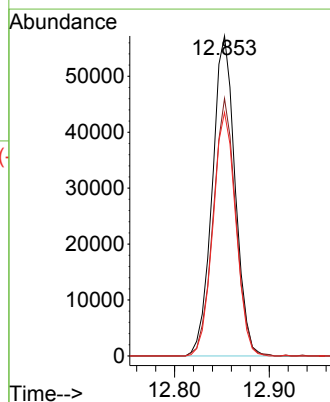
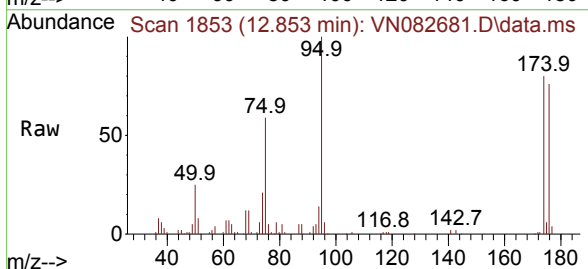
Instrument :
MSVOA_N
ClientSampleId :

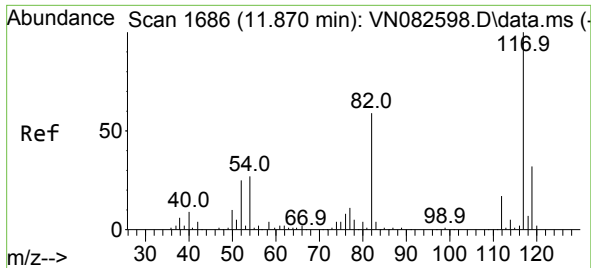
Tgt Ion: 98 Resp: 309504
Ion Ratio Lower Upper
98 100
100 63.3 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 41.334 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082681.D
Acq: 21 Jun 2024 16:32

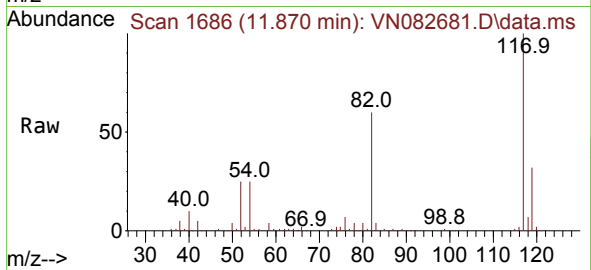
Tgt Ion: 95 Resp: 95866
Ion Ratio Lower Upper
95 100
174 79.7 0.0 159.2
176 76.0 0.0 147.6



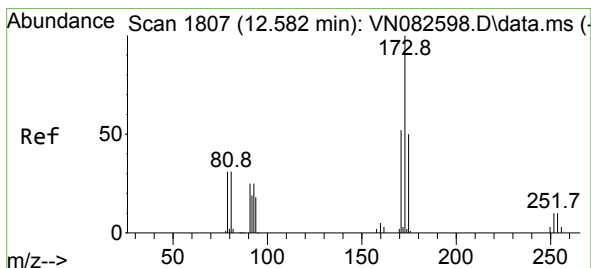
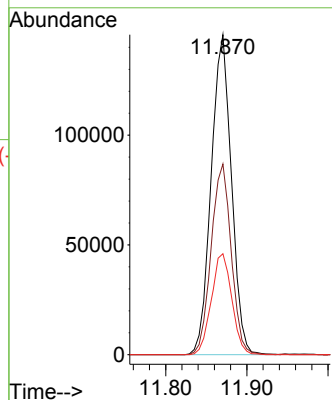
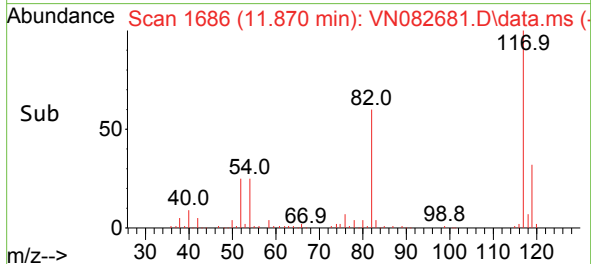


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN082681.D
Acq: 21 Jun 2024 16:32

Instrument :
MSVOA_N
ClientSampleId :

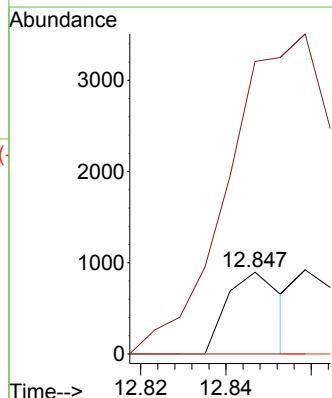
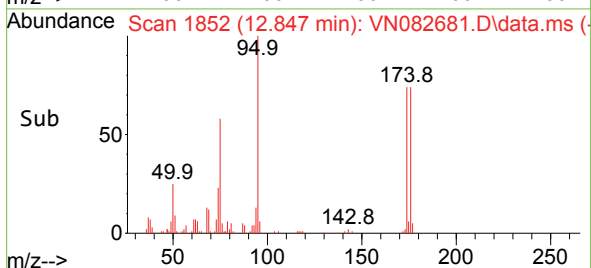
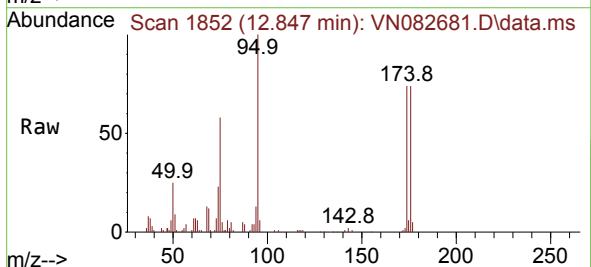


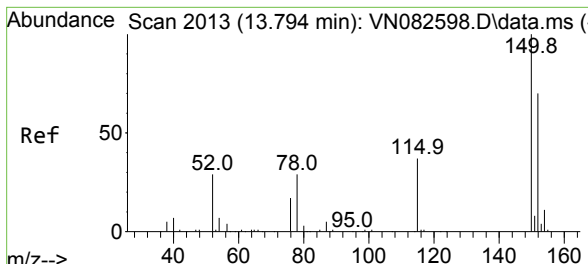
Tgt Ion:117 Resp: 252386
Ion Ratio Lower Upper
117 100
82 59.6 47.5 71.3
119 31.6 25.6 38.4



#71
Bromoform
Concen: 0.485 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN082681.D
Acq: 21 Jun 2024 16:32

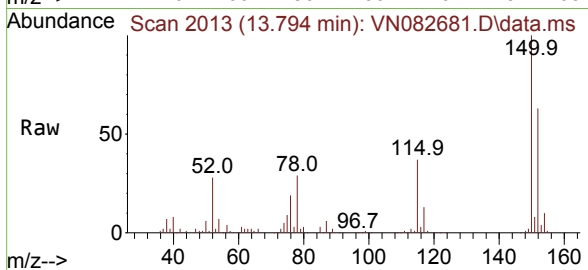
Tgt Ion:173 Resp: 792
Ion Ratio Lower Upper
173 100
175 0.0 24.0 72.0#
254 0.0 0.0 0.0



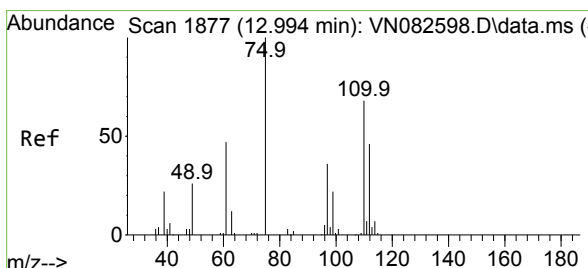
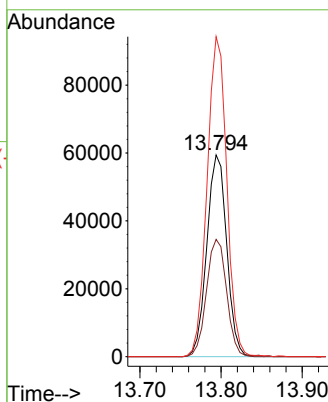
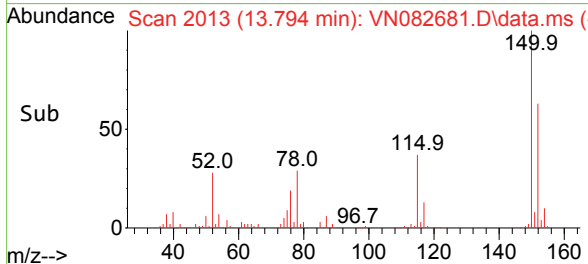


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN082681.D
 Acq: 21 Jun 2024 16:32

Instrument :
 MSVOA_N
 ClientSampleId :

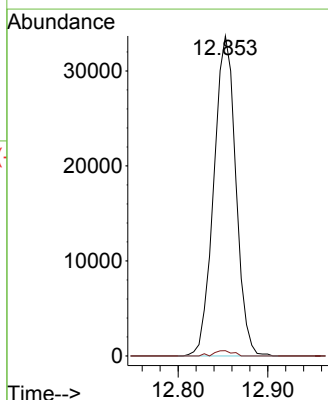
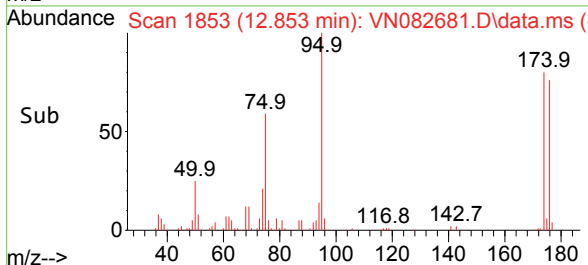
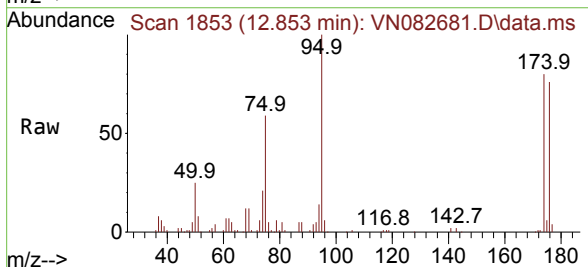


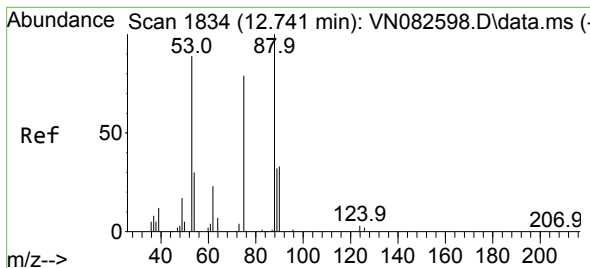
Tgt Ion:152 Resp: 101282
 Ion Ratio Lower Upper
 152 100
 115 58.6 30.6 91.6
 150 156.5 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 23.209 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN082681.D
 Acq: 21 Jun 2024 16:32

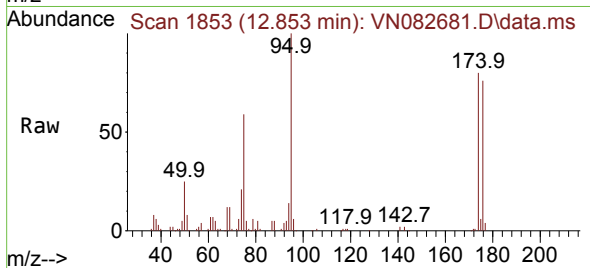
Tgt Ion: 75 Resp: 57494
 Ion Ratio Lower Upper
 75 100
 77 1.4 110.9 332.6#



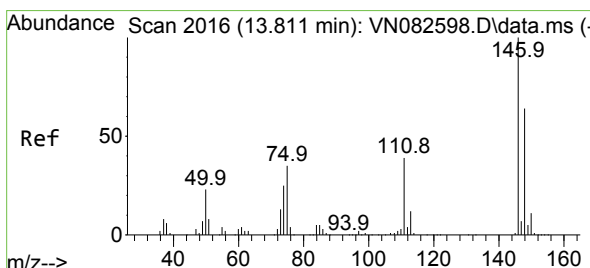
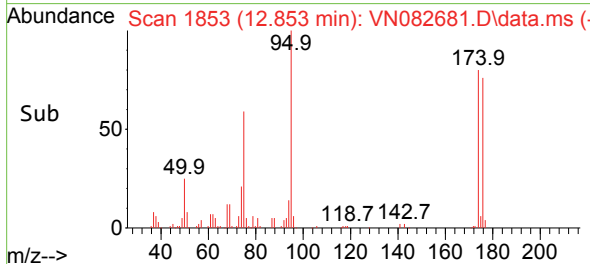
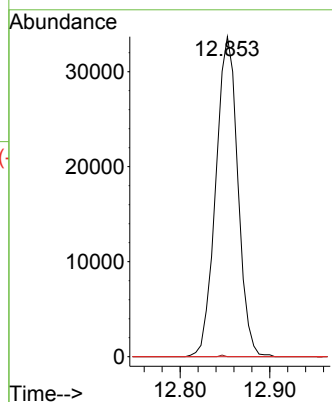


#81
trans-1,4-Dichloro-2-butene
Concen: 55.526 ug/l
RT: 12.853 min Scan# 1834
Delta R.T. 0.112 min
Lab File: VN082681.D
Acq: 21 Jun 2024 16:32

Instrument :
MSVOA_N
ClientSampleId :

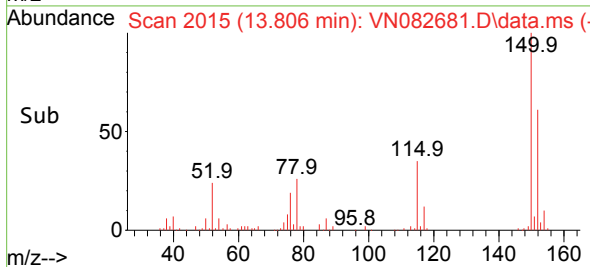
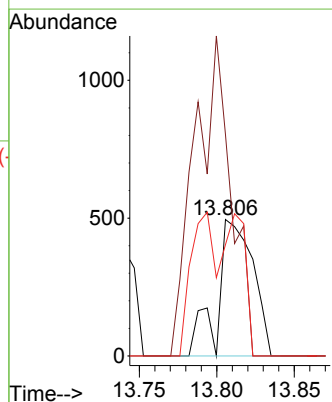
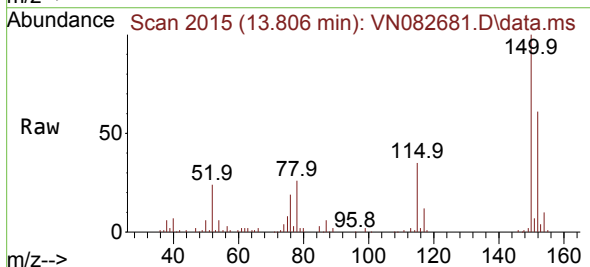


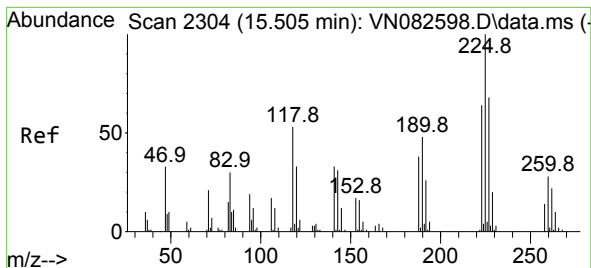
Tgt Ion: 75 Resp: 57494
Ion Ratio Lower Upper
75 100
53 0.1 88.4 132.6#
89 0.0 36.3 54.5#



#88
1,4-Dichlorobenzene
Concen: 0.212 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN082681.D
Acq: 21 Jun 2024 16:32

Tgt Ion: 146 Resp: 797
Ion Ratio Lower Upper
146 100
111 237.8 20.1 60.3#
148 62.0 32.2 96.6





#94

Hexachlorobutadiene

Concen: 0.480 ug/l

RT: 15.505 min Scan# 21

Delta R.T. 0.000 min

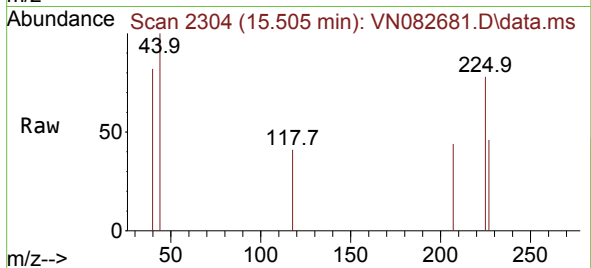
Lab File: VN082681.D

Acq: 21 Jun 2024 16:32

Instrument :

MSVOA_N

ClientSampleId :



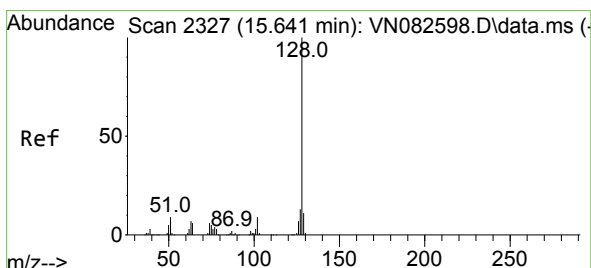
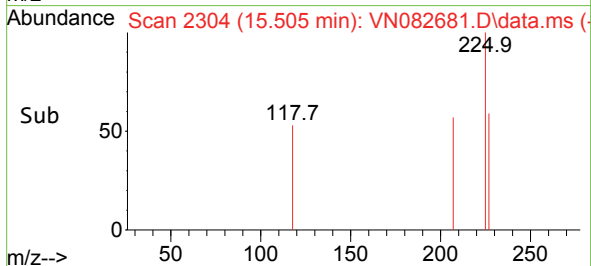
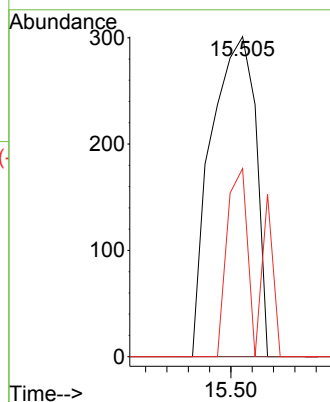
Tgt Ion:225 Resp: 437

Ion Ratio Lower Upper

225 100

223 0.0 31.9 95.7#

227 39.1 32.5 97.5



#95

Naphthalene

Concen: 0.300 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN082681.D

Acq: 21 Jun 2024 16:32

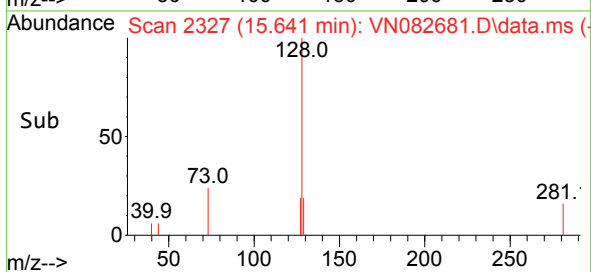
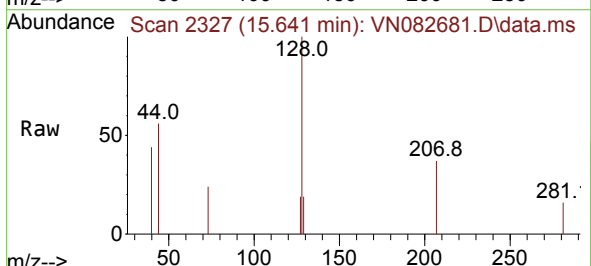
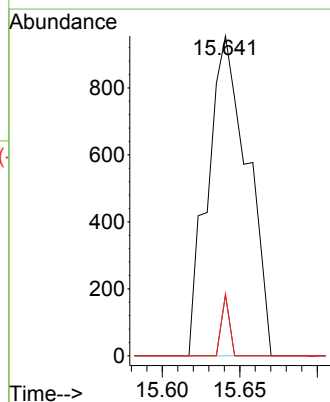
Tgt Ion:128 Resp: 1703

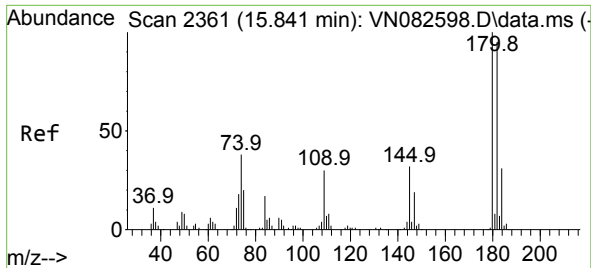
Ion Ratio Lower Upper

128 100

127 3.8 10.6 16.0#

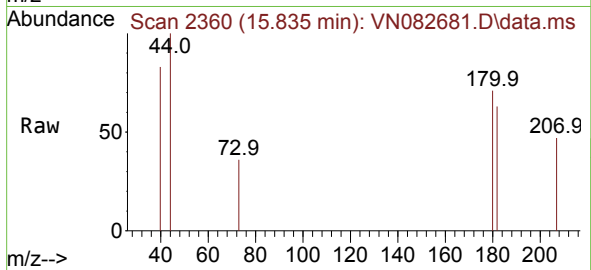
129 3.8 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.317 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN082681.D
 Acq: 21 Jun 2024 16:32

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 597
 Ion Ratio Lower Upper
 180 100
 182 90.8 48.9 146.8
 145 0.0 16.8 50.4#

