

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062824\
 Data File : VN082742.D
 Acq On : 28 Jun 2024 11:02
 Operator : JC\MD
 Sample : VN0628MBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 28 23:01:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 06:02:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	75382	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	143044	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	137987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	54272	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	64434	55.427	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.860%	
35) Dibromofluoromethane	8.165	113	52212	55.439	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 110.880%	
50) Toluene-d8	10.570	98	185039	52.537	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.080%	
62) 4-Bromofluorobenzene	12.853	95	57342	47.408	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 94.820%	

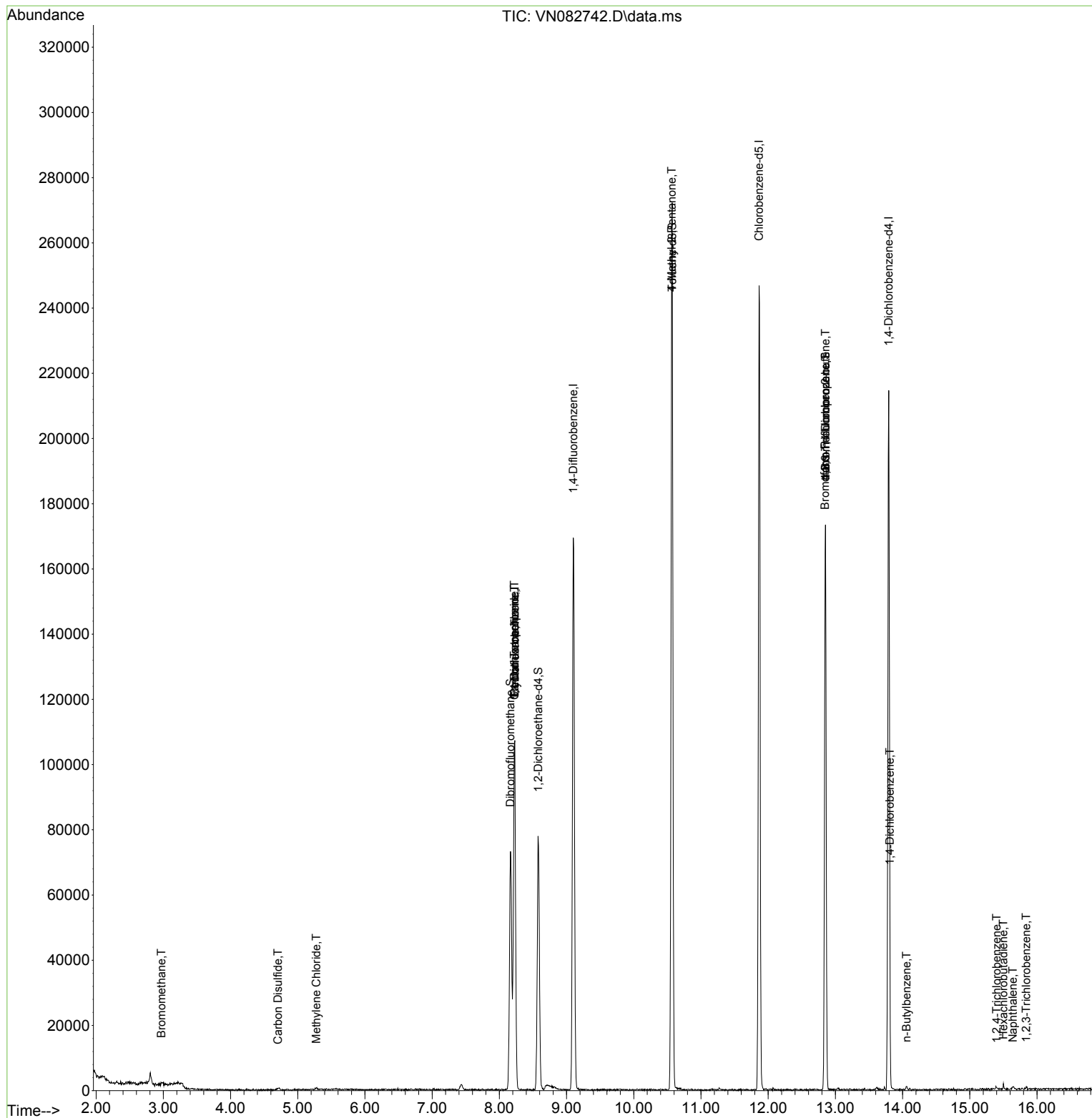
Target Compounds				Qvalue		
5) Bromomethane	2.971	94	441	0.486	ug/l	93
17) Carbon Disulfide	4.706	76	1117	0.405	ug/l #	75
20) Methylene Chloride	5.277	84	376	0.337	ug/l #	34
31) Cyclohexane	8.229	56	2220	1.355	ug/l #	60
36) 1,1-Dichloropropene	8.224	75	6810	5.031	ug/l #	48
38) Carbon Tetrachloride	8.224	117	8508	5.374	ug/l #	20
43) Isopropyl Acetate	8.688	43	659	Below Cal	#	60
51) 4-Methyl-2-Pentanone	10.565	43	896	0.599	ug/l #	1
71) Bromoform	12.847	173	307	0.365	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	31907	26.953	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	31907	70.291	ug/l #	6
88) 1,4-Dichlorobenzene	13.811	146	394	0.201	ug/l #	1
89) n-Butylbenzene	14.059	91	868	0.319	ug/l #	88
93) 1,2,4-Trichlorobenzene	15.400	180	358	0.410	ug/l #	82
94) Hexachlorobutadiene	15.500	225	449	1.137	ug/l #	64
95) Naphthalene	15.641	128	1413	0.487	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.841	180	388	0.417	ug/l #	57

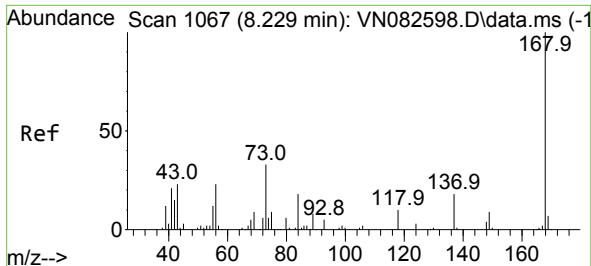
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062824\
Data File : VN082742.D
Acq On : 28 Jun 2024 11:02
Operator : JC\MD
Sample : VN0628MBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

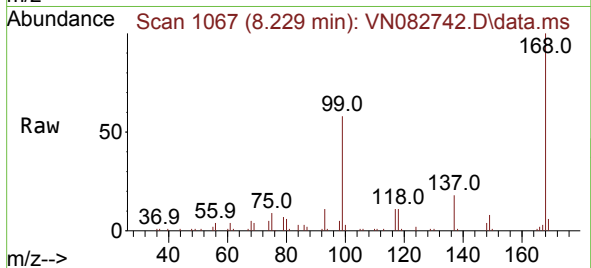
Quant Time: Jun 28 23:01:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 28 06:02:21 2024
Response via : Initial Calibration



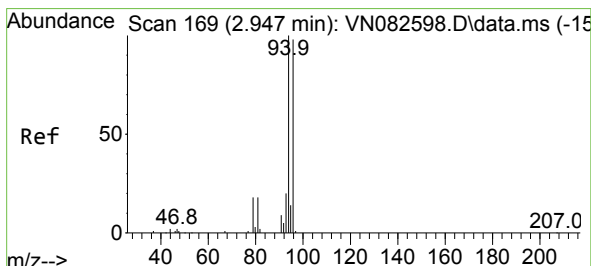
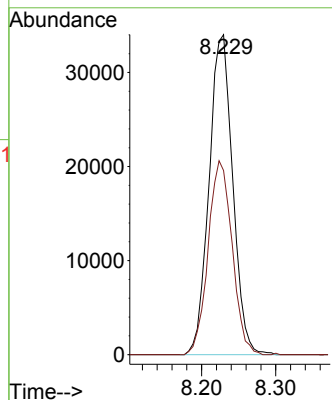
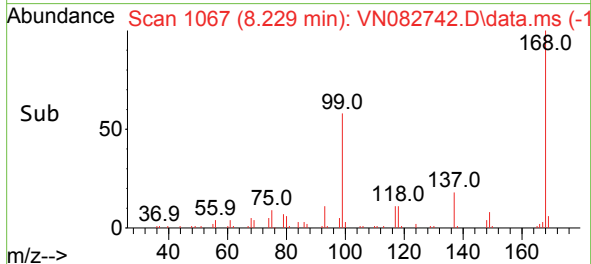


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN082742.D
Acq: 28 Jun 2024 11:02

Instrument :
MSVOA_N
ClientSampleId :

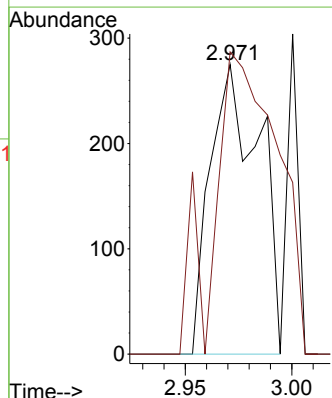
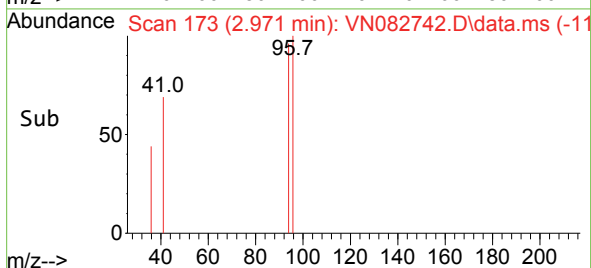
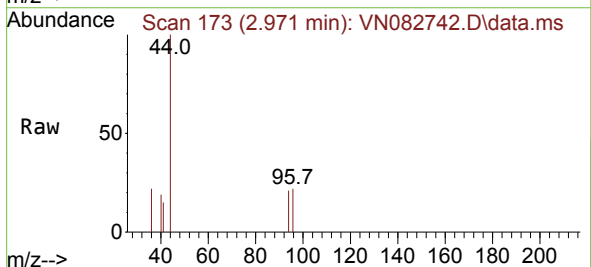


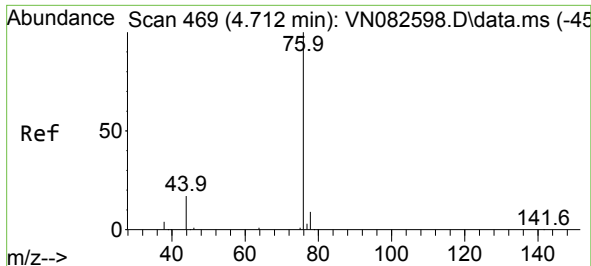
Tgt Ion:168 Resp: 75382
Ion Ratio Lower Upper
168 100
99 57.5 48.2 72.4



#5
Bromomethane
Concen: 0.486 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.024 min
Lab File: VN082742.D
Acq: 28 Jun 2024 11:02

Tgt Ion: 94 Resp: 441
Ion Ratio Lower Upper
94 100
96 104.4 78.0 117.0





#17

Carbon Disulfide

Concen: 0.405 ug/l

RT: 4.706 min Scan# 4

Delta R.T. -0.006 min

Lab File: VN082742.D

Acq: 28 Jun 2024 11:02

Instrument :

MSVOA_N

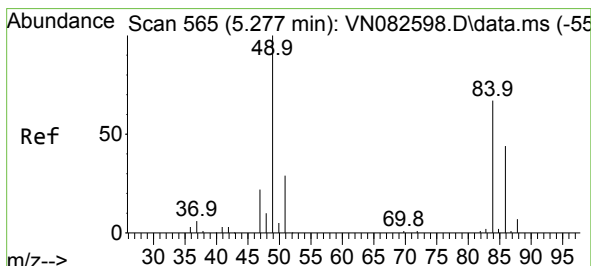
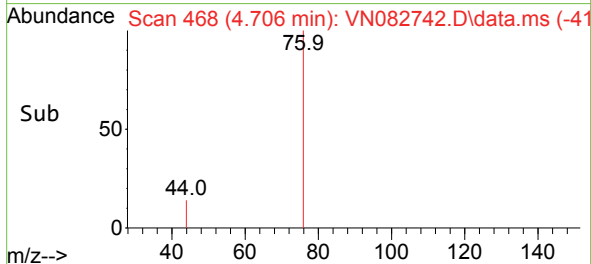
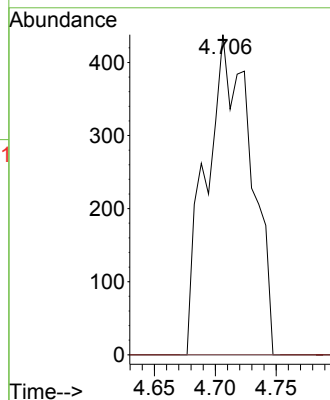
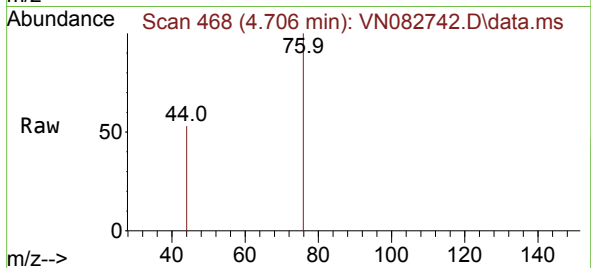
ClientSampleId :

Tgt Ion: 76 Resp: 1117

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#20

Methylene Chloride

Concen: 0.337 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.000 min

Lab File: VN082742.D

Acq: 28 Jun 2024 11:02

Tgt Ion: 84 Resp: 376

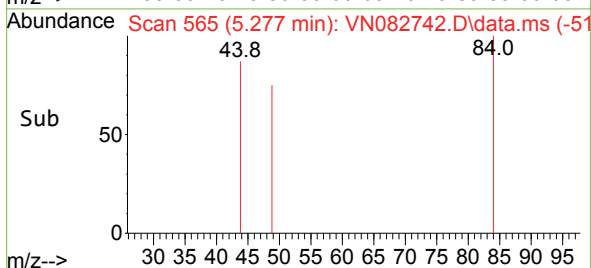
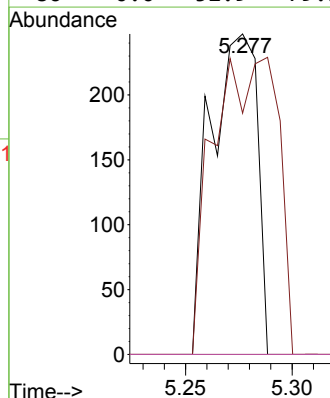
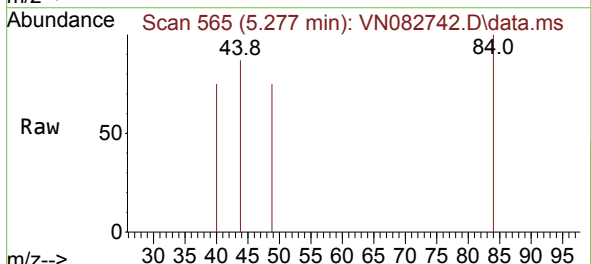
Ion Ratio Lower Upper

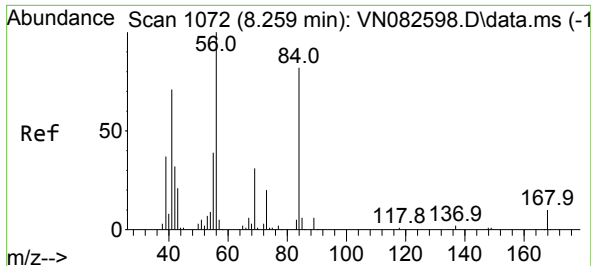
84 100

49 75.3 119.6 179.4#

51 0.0 34.8 52.2#

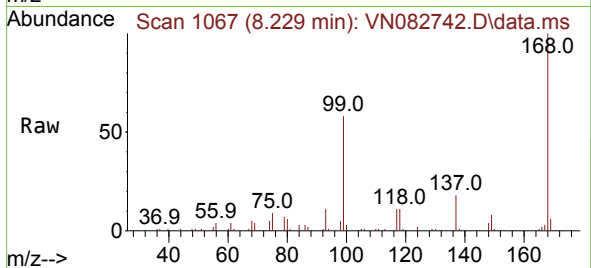
86 0.0 52.9 79.3#



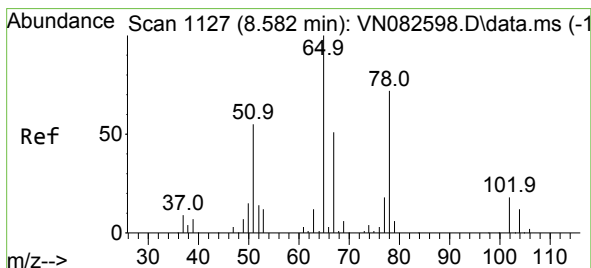
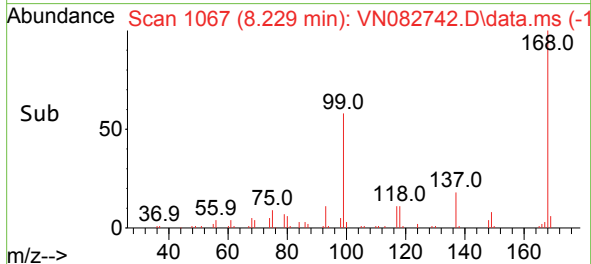
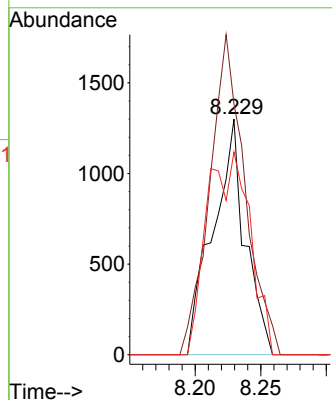


#31
Cyclohexane
Concen: 1.355 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN082742.D
Acq: 28 Jun 2024 11:02

Instrument :
MSVOA_N
ClientSampleId :

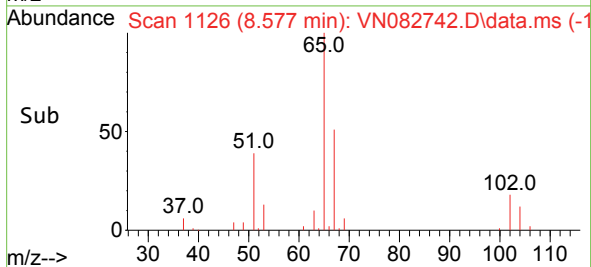
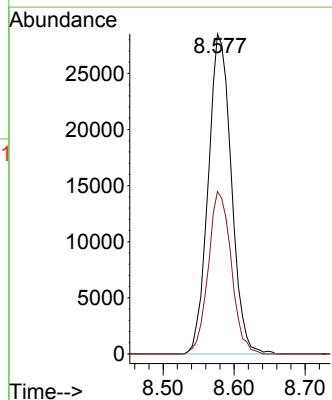
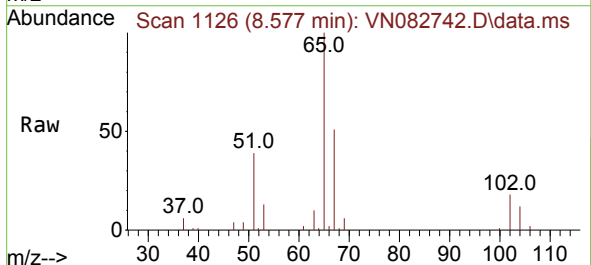


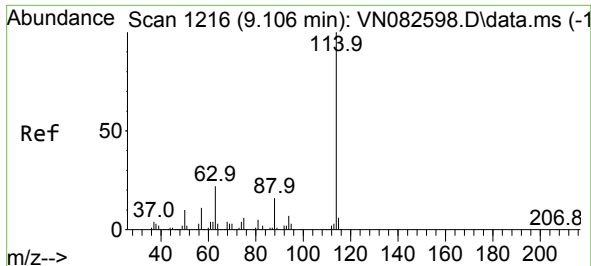
Tgt Ion: 56 Resp: 2220
Ion Ratio Lower Upper
56 100
69 106.5 24.5 36.7#
84 86.1 66.0 99.0



#33
1,2-Dichloroethane-d4
Concen: 55.427 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN082742.D
Acq: 28 Jun 2024 11:02

Tgt Ion: 65 Resp: 64434
Ion Ratio Lower Upper
65 100
67 50.5 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 114

Delta R.T. -0.006 min

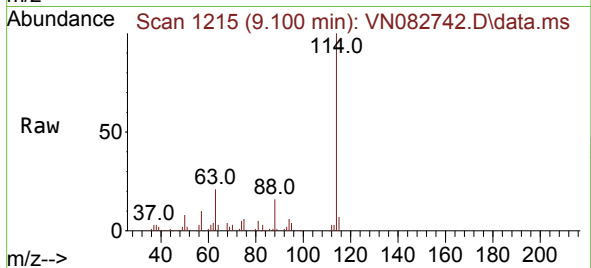
Lab File: VN082742.D

Acq: 28 Jun 2024 11:02

Instrument :

MSVOA_N

ClientSampleId :



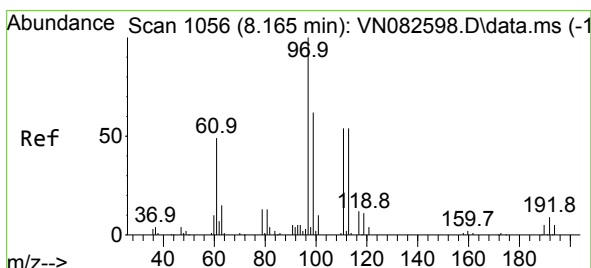
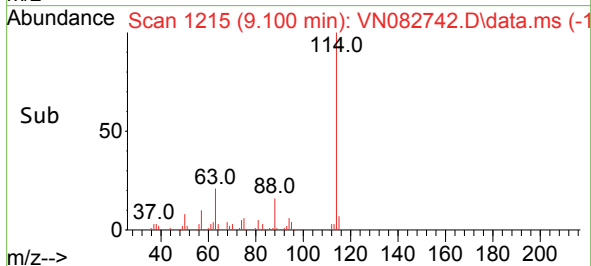
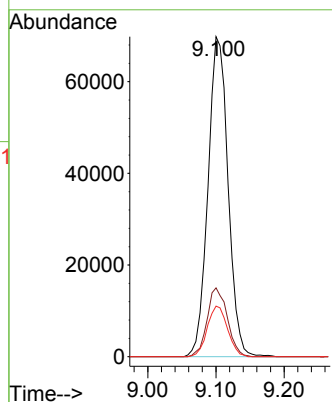
Tgt Ion:114 Resp: 143044

Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.6

88 15.8 0.0 31.4



#35

Dibromofluoromethane

Concen: 55.439 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN082742.D

Acq: 28 Jun 2024 11:02

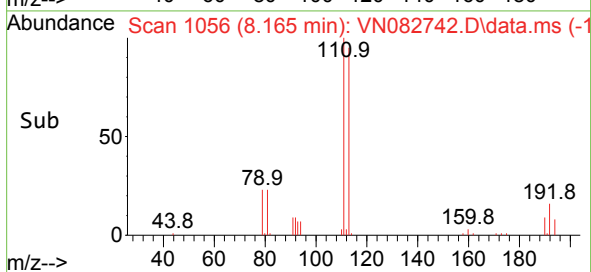
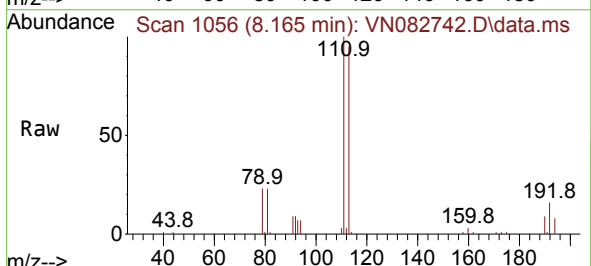
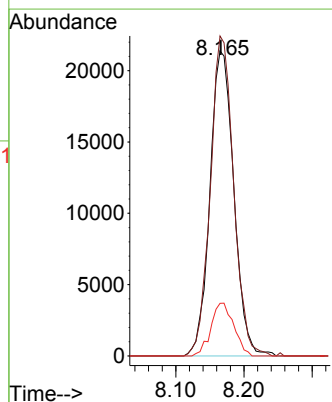
Tgt Ion:113 Resp: 52212

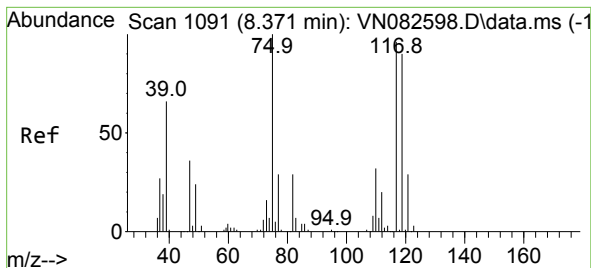
Ion Ratio Lower Upper

113 100

111 102.1 82.4 123.6

192 16.6 14.9 22.3





#36

1,1-Dichloropropene

Concen: 5.031 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN082742.D

Acq: 28 Jun 2024 11:02

Instrument :

MSVOA_N

ClientSampleId :

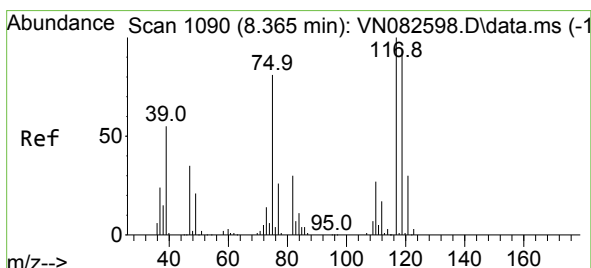
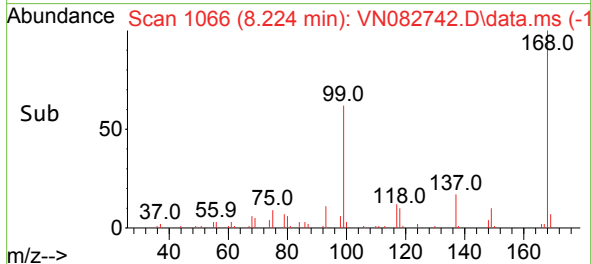
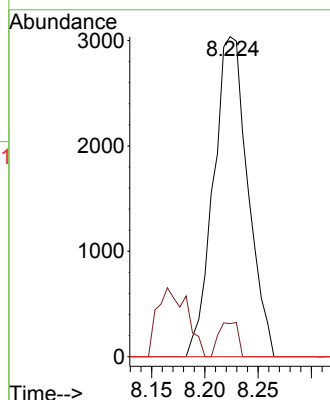
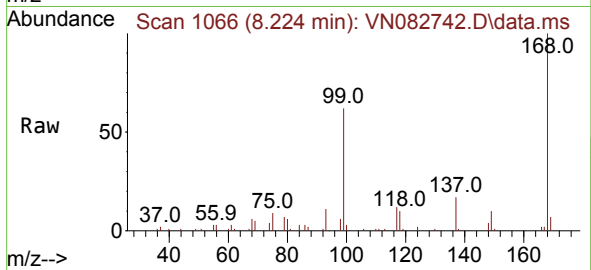
Tgt Ion: 75 Resp: 6810

Ion Ratio Lower Upper

75 100

110 6.0 16.3 48.9#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.374 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082742.D

Acq: 28 Jun 2024 11:02

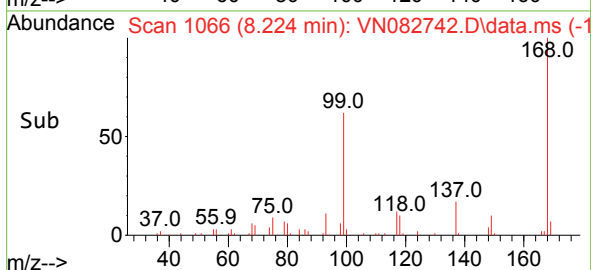
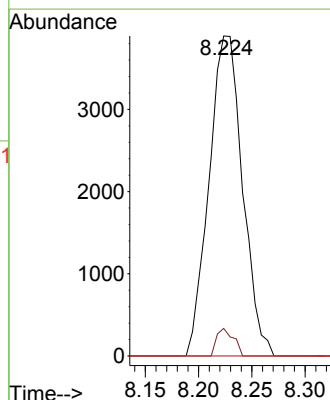
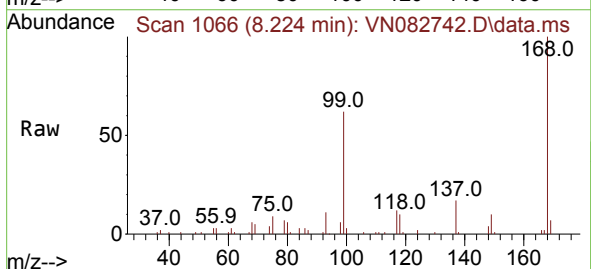
Tgt Ion: 117 Resp: 8508

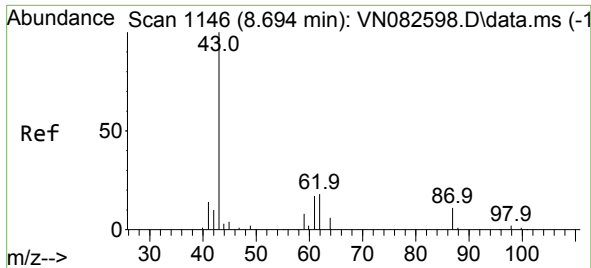
Ion Ratio Lower Upper

117 100

119 8.6 74.9 112.3#

121 0.0 24.3 36.5#

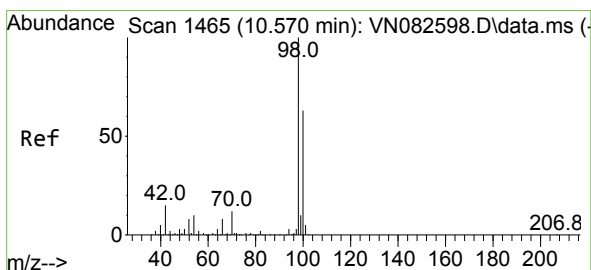
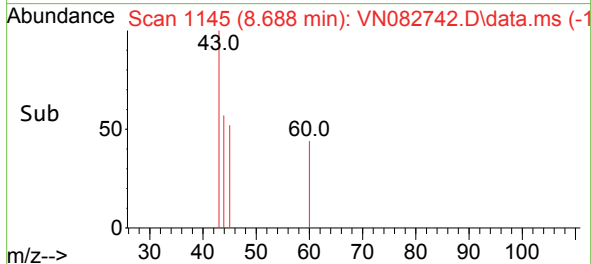
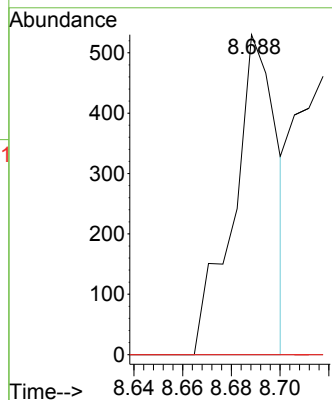
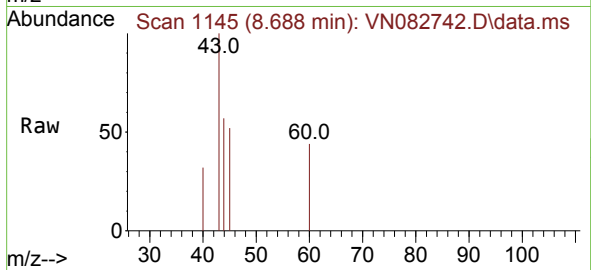




#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN082742.D
Acq: 28 Jun 2024 11:02

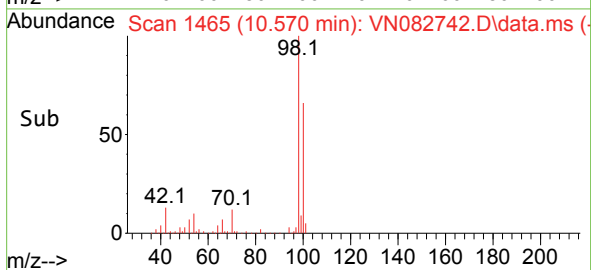
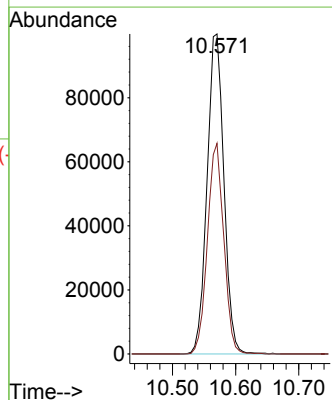
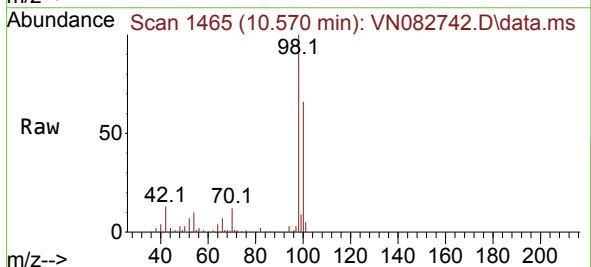
Instrument :
MSVOA_N
ClientSampleId :

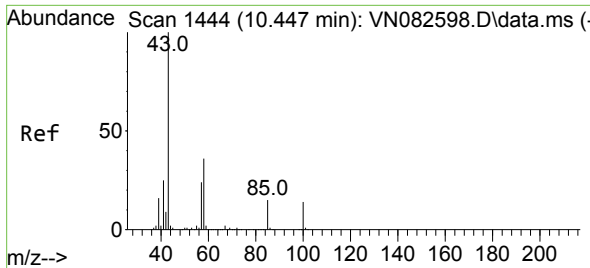
Tgt Ion: 43 Resp: 659
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#



#50
Toluene-d8
Concen: 52.537 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082742.D
Acq: 28 Jun 2024 11:02

Tgt Ion: 98 Resp: 185039
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3

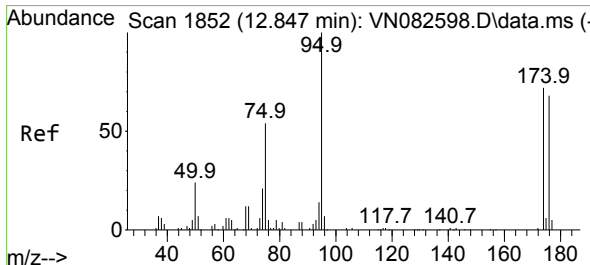
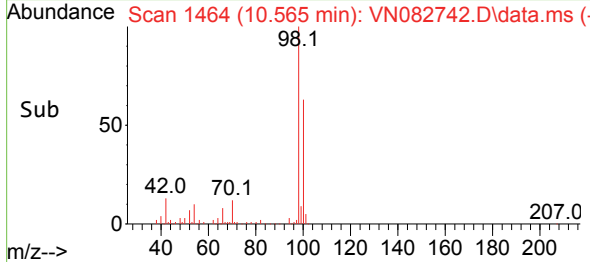
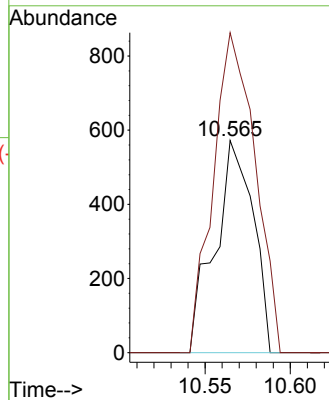
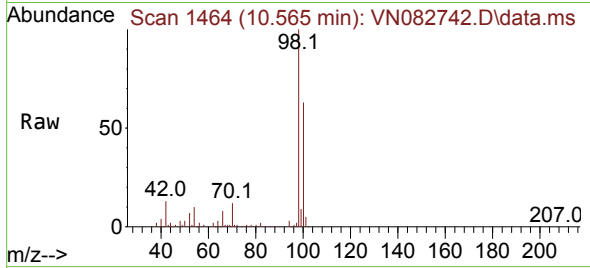




#51
 4-Methyl-2-Pentanone
 Concen: 0.599 ug/l
 RT: 10.565 min Scan# 1444
 Delta R.T. 0.118 min
 Lab File: VN082742.D
 Acq: 28 Jun 2024 11:02

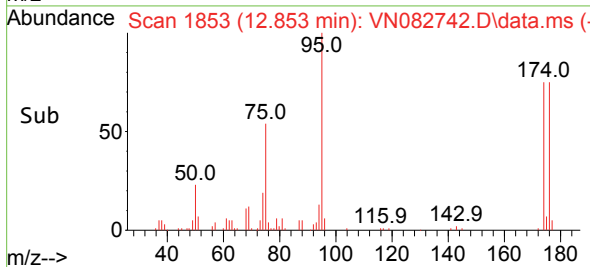
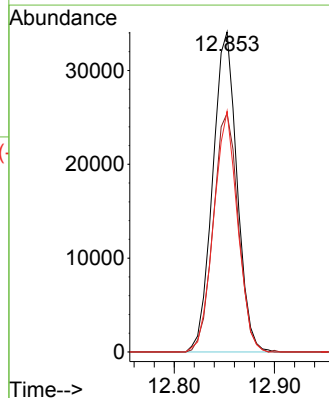
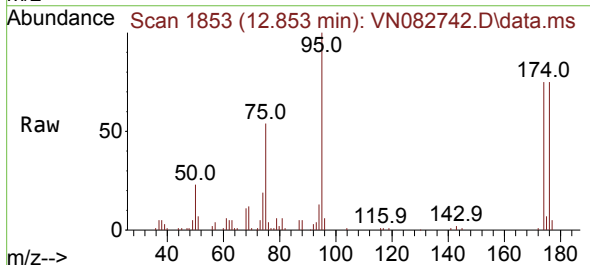
Instrument :
 MSVOA_N
 ClientSampleId :

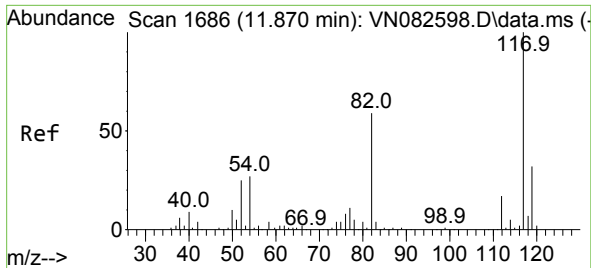
Tgt Ion: 43 Resp: 896
 Ion Ratio Lower Upper
 43 100
 58 165.5 28.2 42.4#



#62
 4-Bromofluorobenzene
 Concen: 47.408 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: VN082742.D
 Acq: 28 Jun 2024 11:02

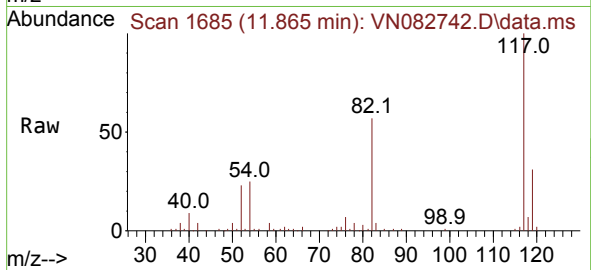
Tgt Ion: 95 Resp: 57342
 Ion Ratio Lower Upper
 95 100
 174 76.8 0.0 159.2
 176 74.3 0.0 147.6



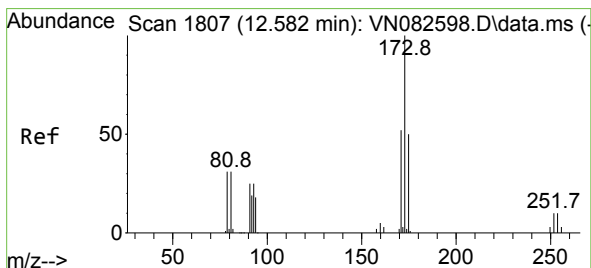
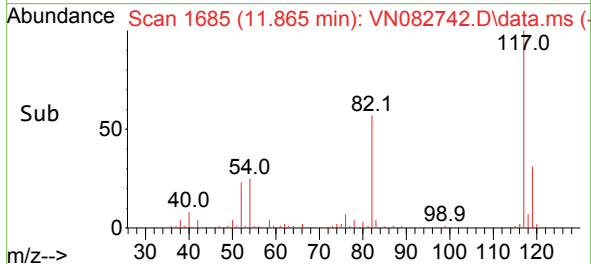
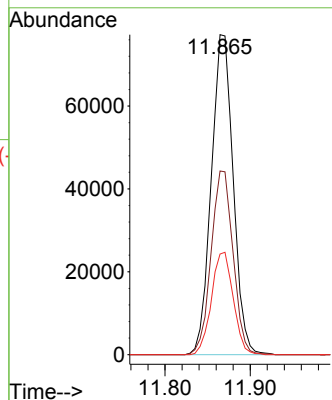


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.005 min
Lab File: VN082742.D
Acq: 28 Jun 2024 11:02

Instrument :
MSVOA_N
ClientSampleId :

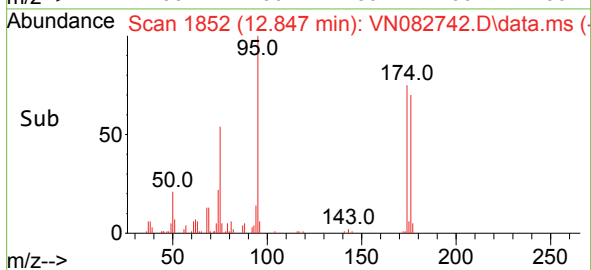
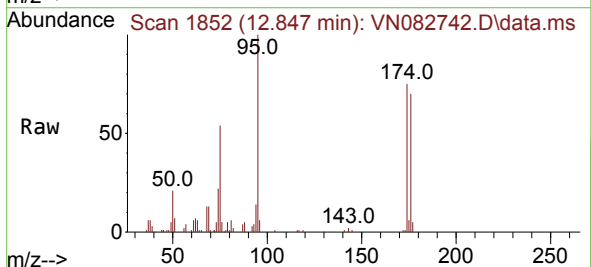
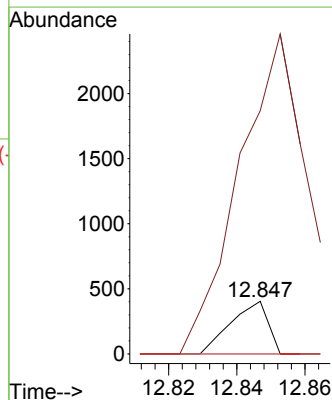


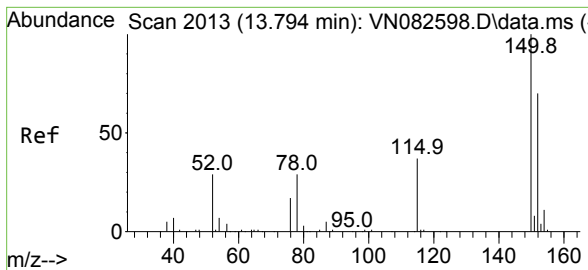
Tgt Ion:117 Resp: 137987
Ion Ratio Lower Upper
117 100
82 57.4 47.5 71.3
119 31.4 25.6 38.4



#71
Bromoform
Concen: 0.365 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN082742.D
Acq: 28 Jun 2024 11:02

Tgt Ion:173 Resp: 307
Ion Ratio Lower Upper
173 100
175 977.5 24.0 72.0#
254 0.0 0.0 0.0

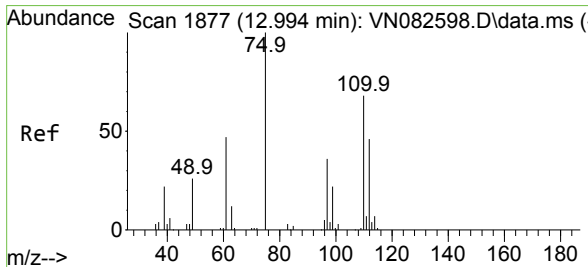
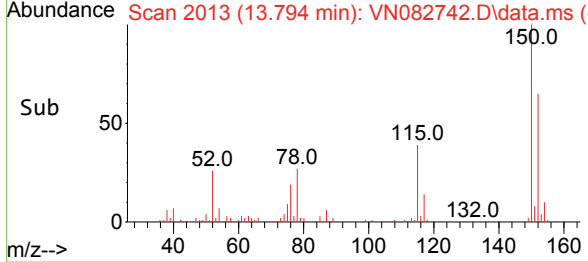
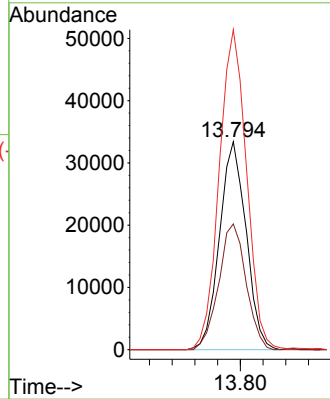
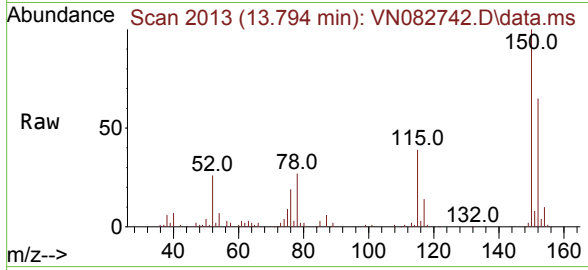




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN082742.D
 Acq: 28 Jun 2024 11:02

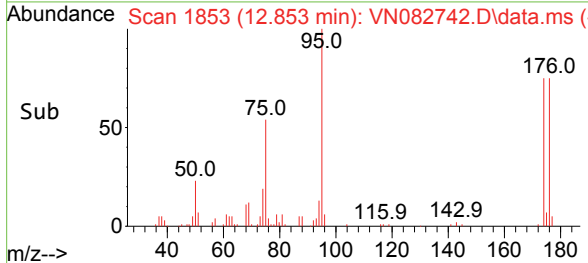
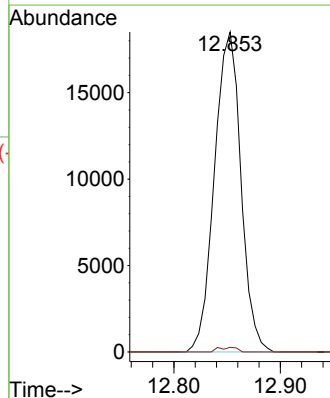
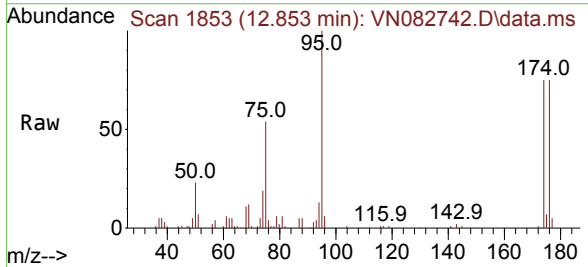
Instrument :
 MSVOA_N
 ClientSampleId :

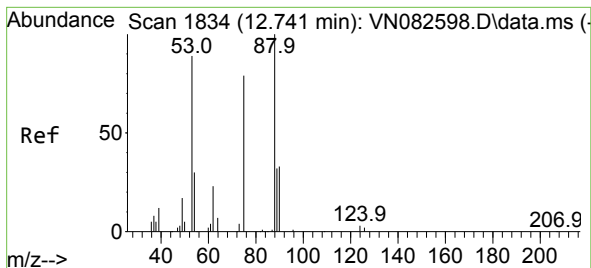
Tgt Ion:152 Resp: 54272
 Ion Ratio Lower Upper
 152 100
 115 62.2 30.6 91.6
 150 158.8 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 26.953 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN082742.D
 Acq: 28 Jun 2024 11:02

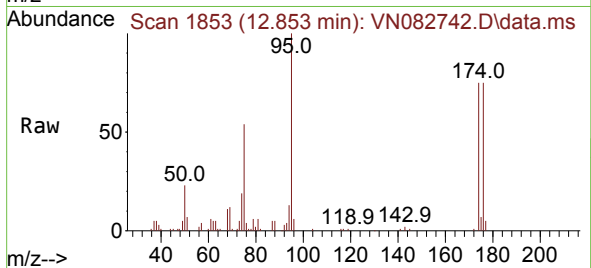
Tgt Ion: 75 Resp: 31907
 Ion Ratio Lower Upper
 75 100
 77 1.0 110.9 332.6#



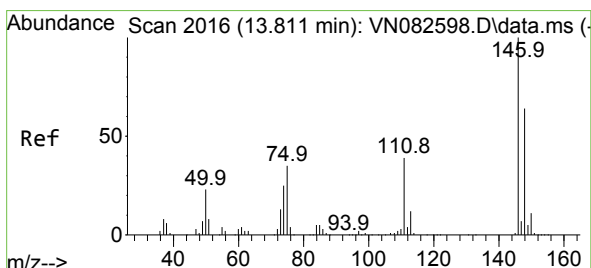
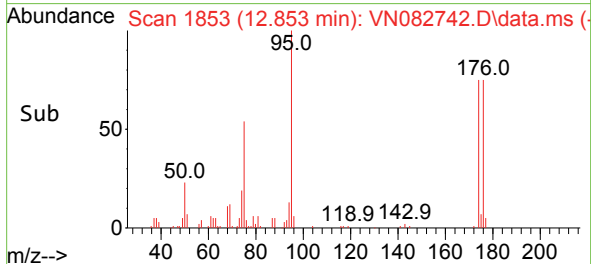
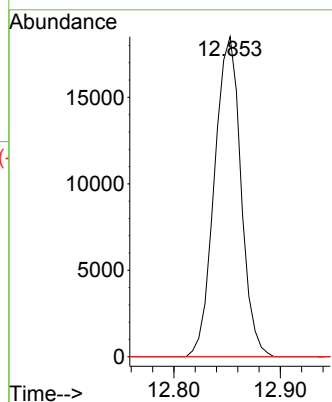


#81
trans-1,4-Dichloro-2-butene
Concen: 70.291 ug/l
RT: 12.853 min Scan# 1834
Delta R.T. 0.112 min
Lab File: VN082742.D
Acq: 28 Jun 2024 11:02

Instrument :
MSVOA_N
ClientSampleId :

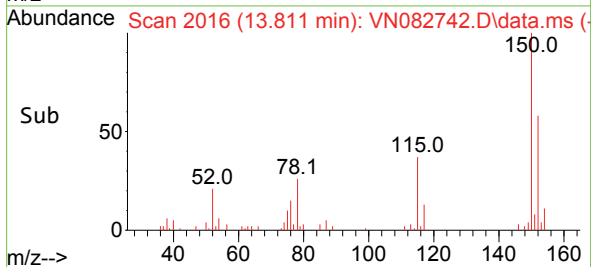
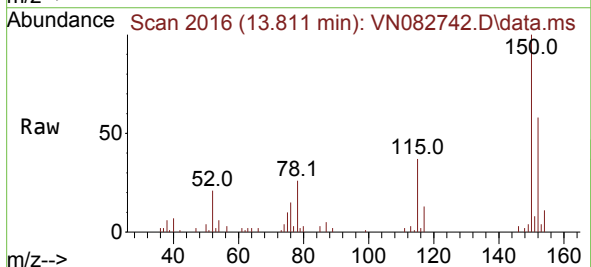
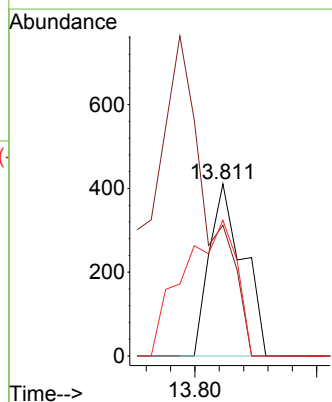


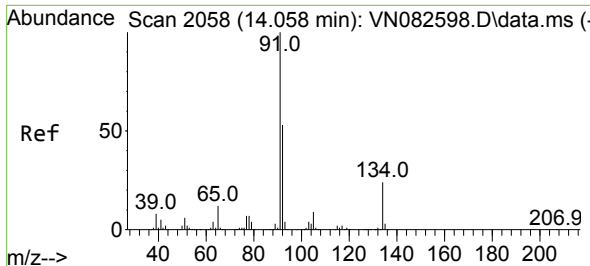
Tgt Ion: 75 Resp: 31907
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#



#88
1,4-Dichlorobenzene
Concen: 0.201 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN082742.D
Acq: 28 Jun 2024 11:02

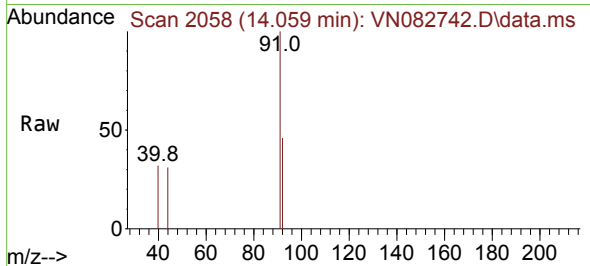
Tgt Ion: 146 Resp: 394
Ion Ratio Lower Upper
146 100
111 293.7 20.1 60.3#
148 124.6 32.2 96.6#



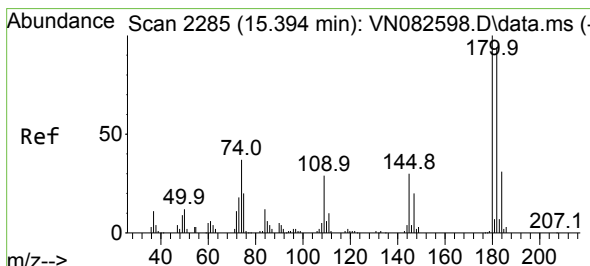
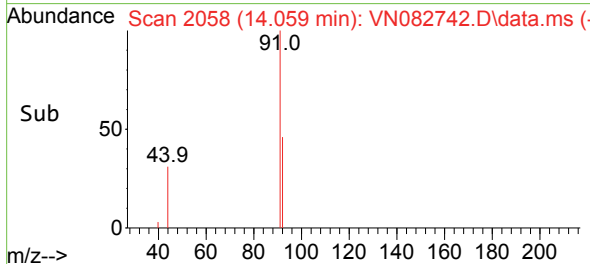
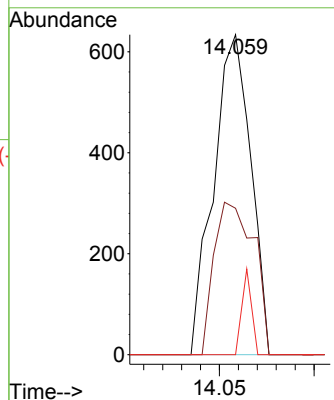


#89
n-Butylbenzene
Concen: 0.319 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.001 min
Lab File: VN082742.D
Acq: 28 Jun 2024 11:02

Instrument :
MSVOA_N
ClientSampleId :

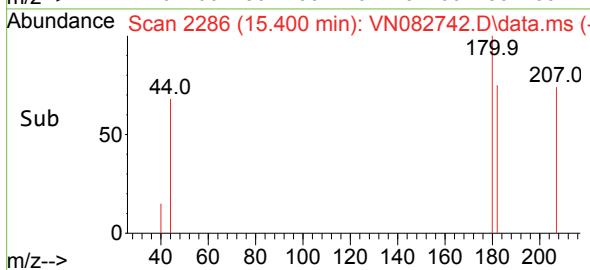
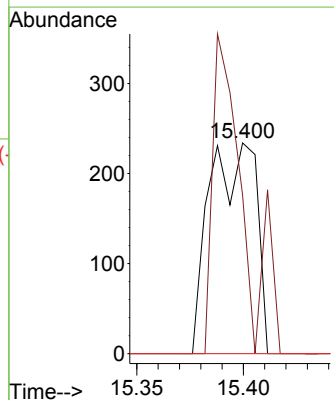
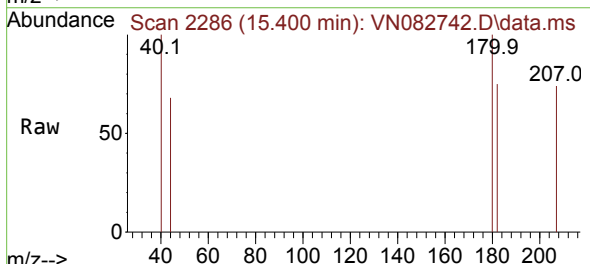


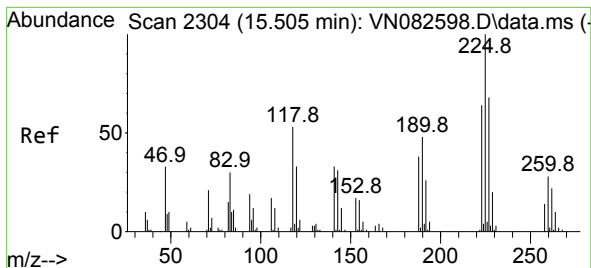
Tgt Ion: 91 Resp: 868
Ion Ratio Lower Upper
91 100
92 50.9 26.1 78.3
134 6.9 12.1 36.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.410 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. 0.006 min
Lab File: VN082742.D
Acq: 28 Jun 2024 11:02

Tgt Ion: 180 Resp: 358
Ion Ratio Lower Upper
180 100
182 98.9 47.3 141.8
145 0.0 15.7 47.1#





#94

Hexachlorobutadiene

Concen: 1.137 ug/l

RT: 15.500 min Scan# 21

Delta R.T. -0.005 min

Lab File: VN082742.D

Acq: 28 Jun 2024 11:02

Instrument :

MSVOA_N

ClientSampleId :

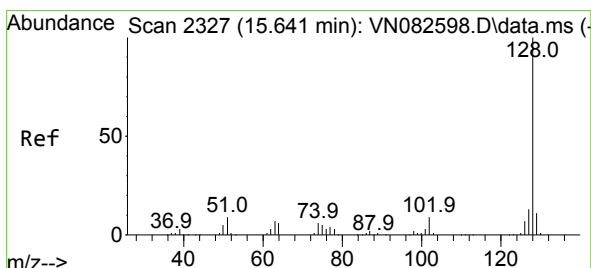
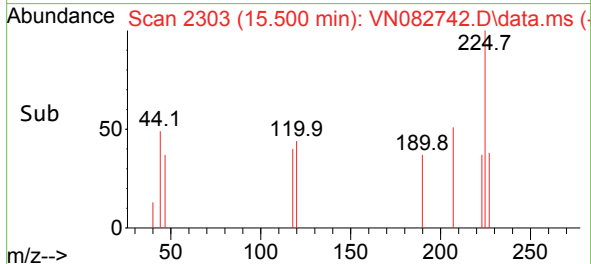
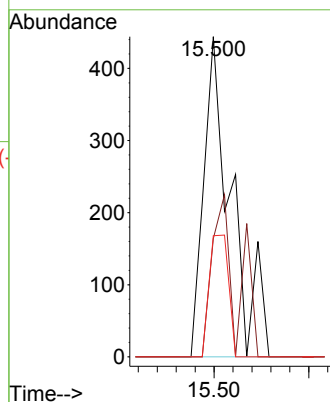
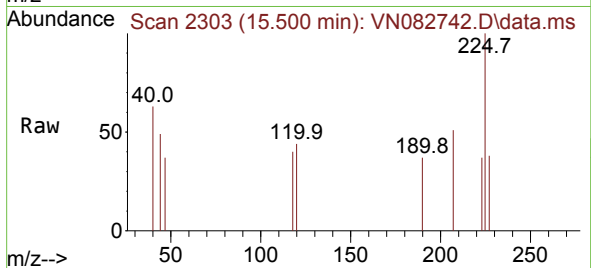
Tgt Ion:225 Resp: 449

Ion Ratio Lower Upper

225 100

223 45.2 31.9 95.7

227 26.5 32.5 97.5#



#95

Naphthalene

Concen: 0.487 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN082742.D

Acq: 28 Jun 2024 11:02

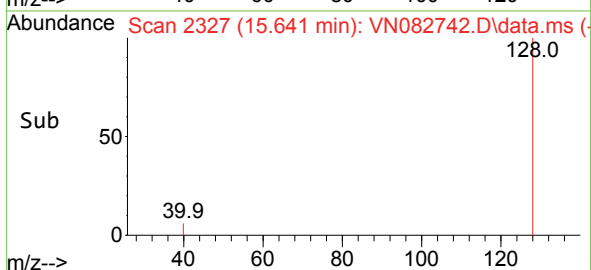
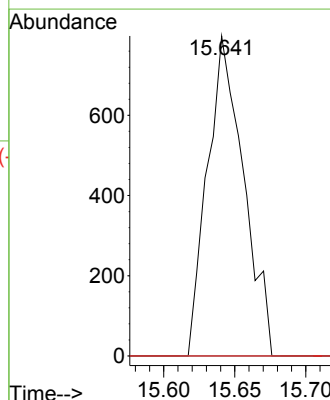
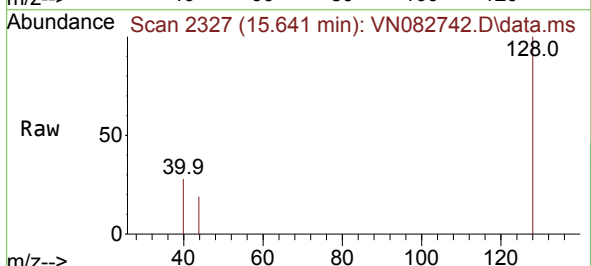
Tgt Ion:128 Resp: 1413

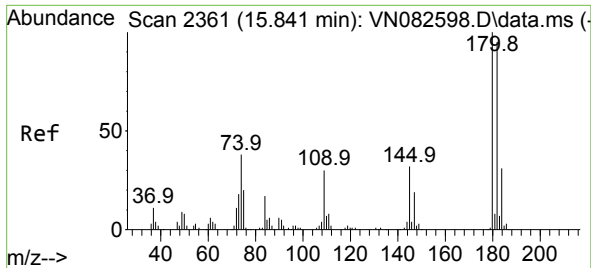
Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

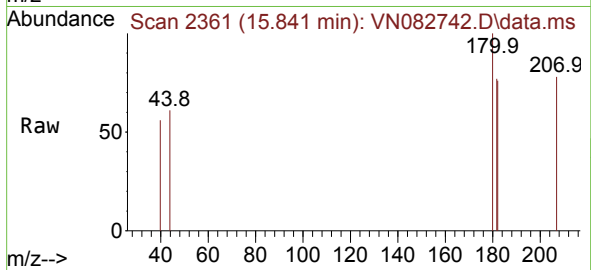
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.417 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN082742.D
 Acq: 28 Jun 2024 11:02

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 388
 Ion Ratio Lower Upper
 180 100
 182 135.1 48.9 146.8
 145 0.0 16.8 50.4#

