

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041824\
 Data File : VN081786.D
 Acq On : 18 Apr 2024 14:42
 Operator : JC\MD
 Sample : P2121-01 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 19 01:24:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041524W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 15:37:39 2024
 Response via : Initial Calibration

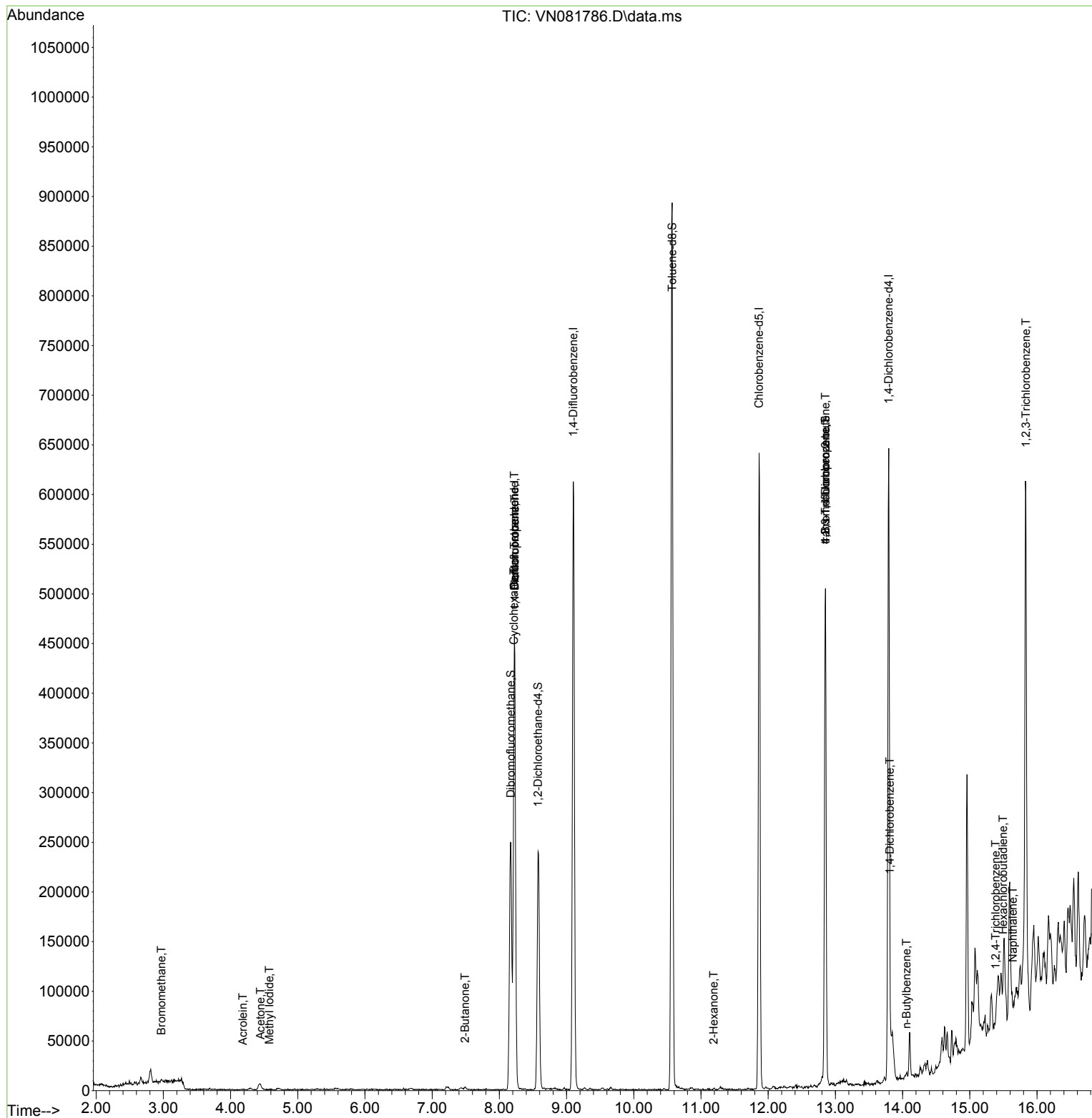
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	347252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	562381	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	368001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	161322	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	199235	40.773	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	81.540%
35) Dibromofluoromethane	8.171	113	180008	48.472	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.940%
50) Toluene-d8	10.571	98	649096	47.445	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.900%
62) 4-Bromofluorobenzene	12.853	95	172412	36.878	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	73.760%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	548	Below Cal	#	69
5) Bromomethane	2.971	94	1288	0.396	ug/l #	32
6) Chloroethane	3.118	64	183	Below Cal	#	49
10) Methyl Iodide	4.577	142	912	0.390	ug/l #	85
13) Acrolein	4.183	56	318	0.449	ug/l	100
16) Acetone	4.447	43	12701	9.339	ug/l	89
20) Methylene Chloride	5.277	84	338	Below Cal	#	57
25) 2-Butanone	7.488	43	3984	1.777	ug/l	97
31) Cyclohexane	8.218	56	6607	0.986	ug/l #	49
36) 1,1-Dichloropropene	8.229	75	25889	5.004	ug/l #	50
38) Carbon Tetrachloride	8.224	117	36183	6.011	ug/l #	16
59) 2-Hexanone	11.188	43	944	0.296	ug/l #	47
76) 1,2,3-Trichloropropane	12.853	75	92520	30.016	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	92520	70.174	ug/l #	13
88) 1,4-Dichlorobenzene	13.811	146	1232	0.210	ug/l #	1
89) n-Butylbenzene	14.059	91	2663	0.308	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	14.653	75	68	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	15.388	180	1548	0.527	ug/l #	51
94) Hexachlorobutadiene	15.494	225	418	0.330	ug/l #	1
95) Naphthalene	15.641	128	6415	0.683	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.835	180	1237	0.412	ug/l #	1

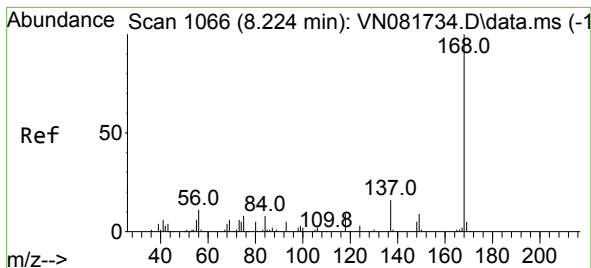
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN081786.D

Acq: 18 Apr 2024 14:42

Instrument :

MSVOA_N

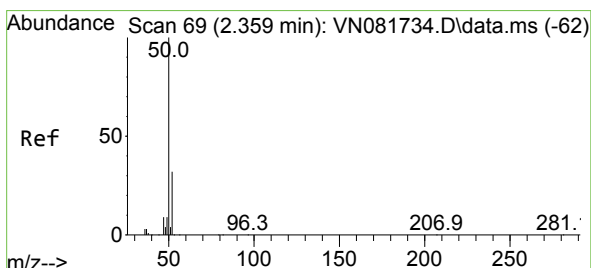
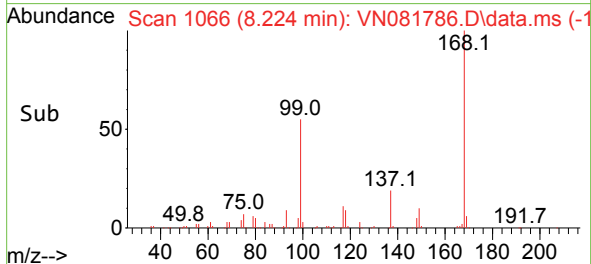
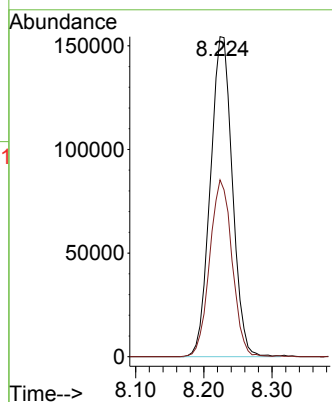
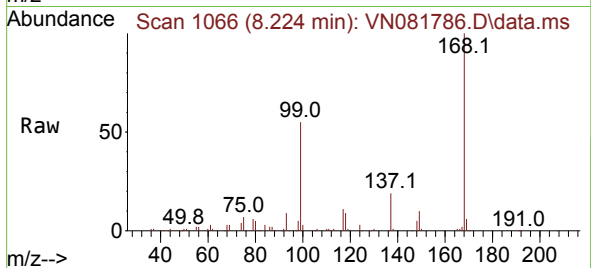
ClientSampleId :

Tgt Ion:168 Resp: 347252

Ion Ratio Lower Upper

168 100

99 55.3 48.2 72.4



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.012 min

Lab File: VN081786.D

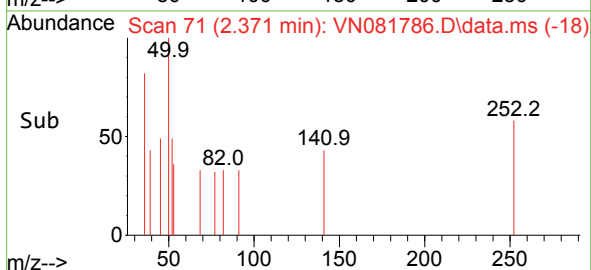
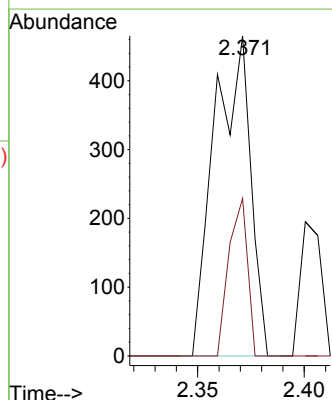
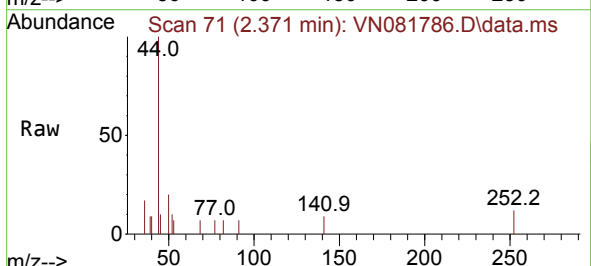
Acq: 18 Apr 2024 14:42

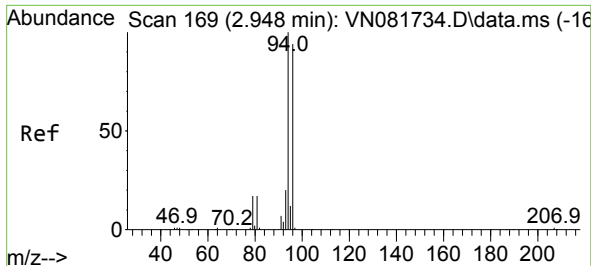
Tgt Ion: 50 Resp: 548

Ion Ratio Lower Upper

50 100

52 49.2 25.5 38.3#

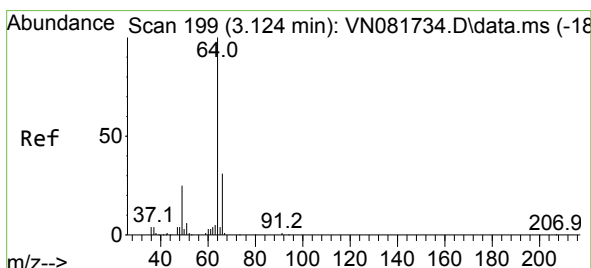
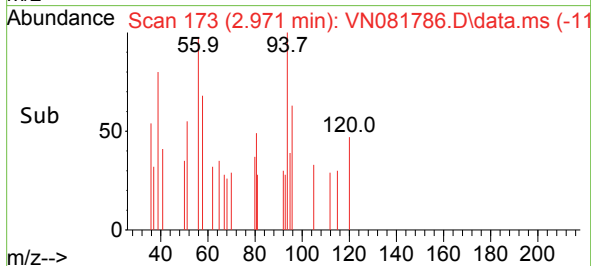
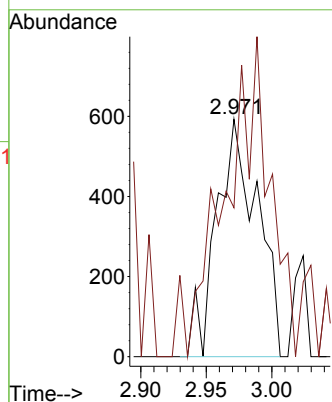
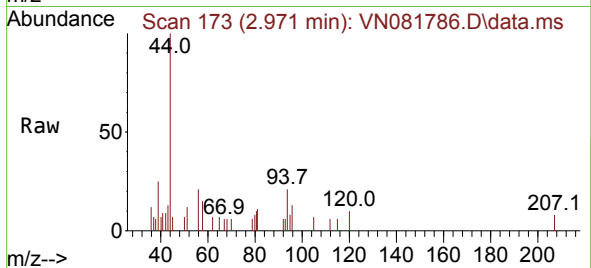




#5
Bromomethane
Concen: 0.396 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN081786.D
Acq: 18 Apr 2024 14:42

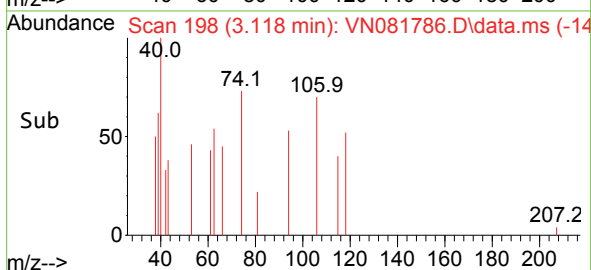
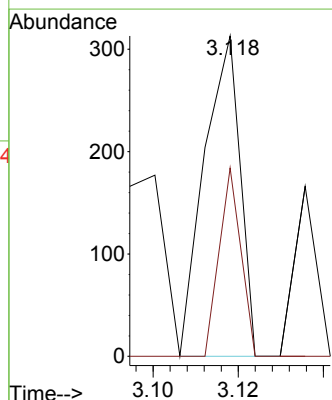
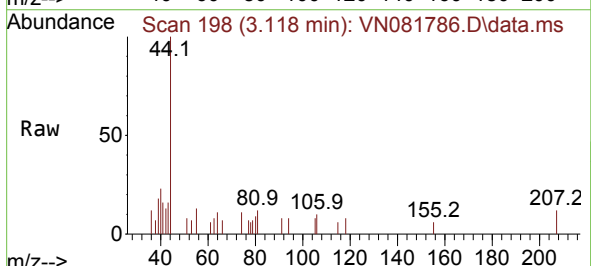
Instrument :
MSVOA_N
ClientSampleId :

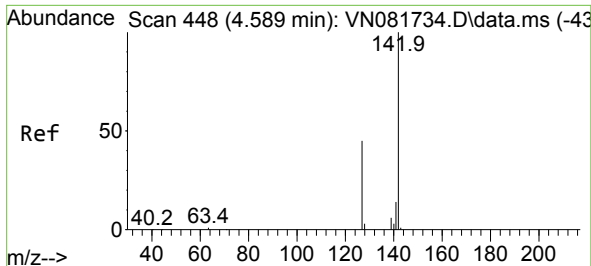
Tgt Ion: 94 Resp: 1288
Ion Ratio Lower Upper
94 100
96 28.5 74.8 112.2#



#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN081786.D
Acq: 18 Apr 2024 14:42

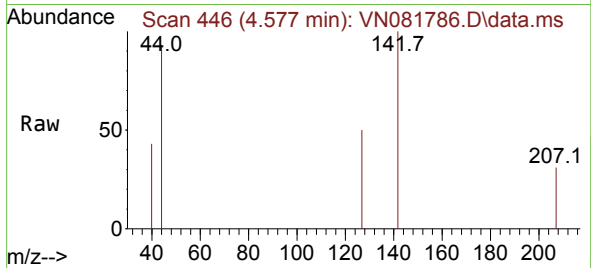
Tgt Ion: 64 Resp: 183
Ion Ratio Lower Upper
64 100
66 58.8 24.7 37.1#



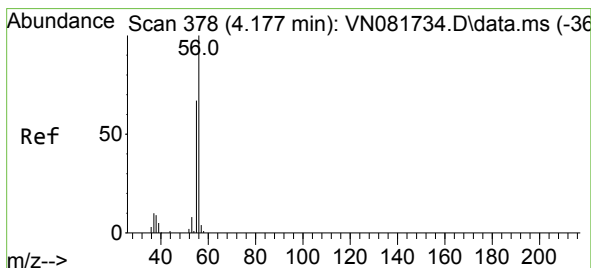
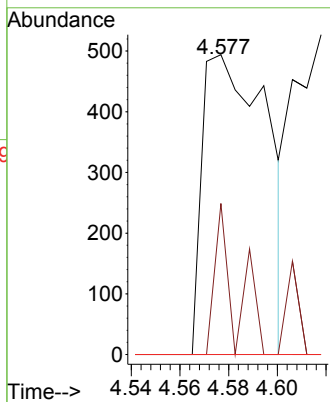
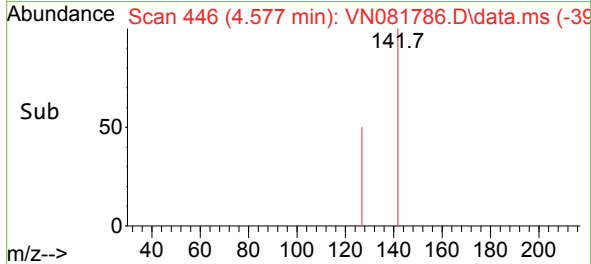


#10
Methyl Iodide
Concen: 0.390 ug/l
RT: 4.577 min Scan# 448
Delta R.T. -0.012 min
Lab File: VN081786.D
Acq: 18 Apr 2024 14:42

Instrument :
MSVOA_N
ClientSampleId :

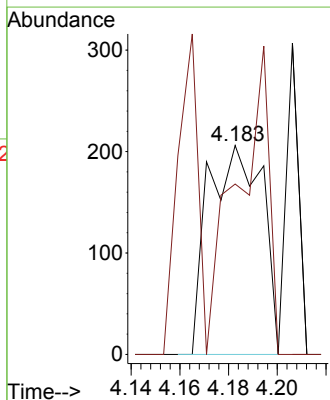
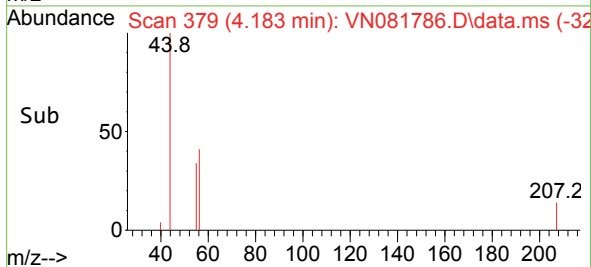
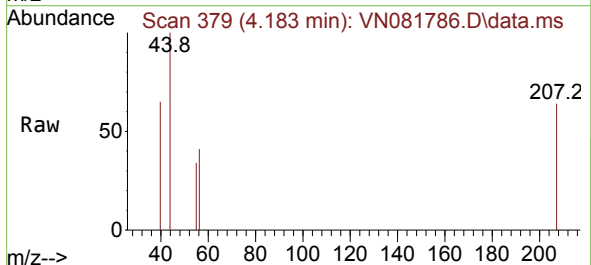


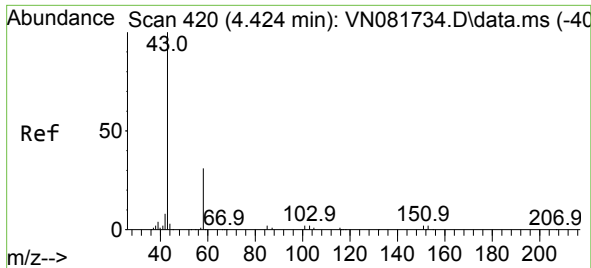
Tgt Ion:142 Resp: 912
Ion Ratio Lower Upper
142 100
127 50.4 35.8 53.6
141 0.0 11.4 17.2#



#13
Acrolein
Concen: 0.449 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN081786.D
Acq: 18 Apr 2024 14:42

Tgt Ion: 56 Resp: 318
Ion Ratio Lower Upper
56 100
55 69.8 55.8 83.8

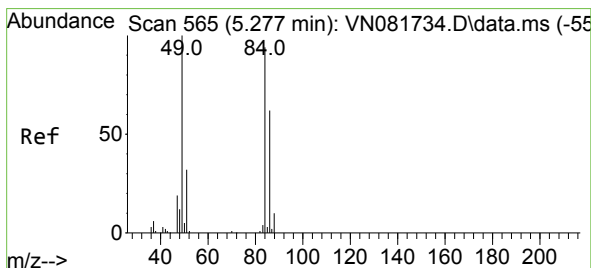
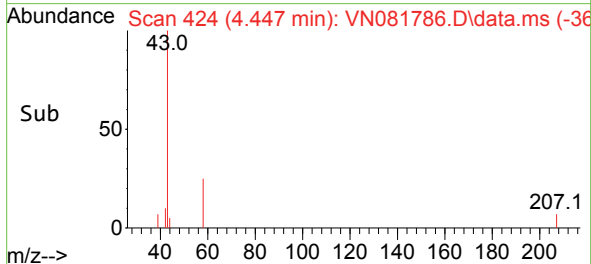
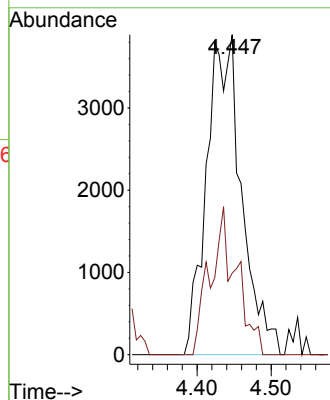
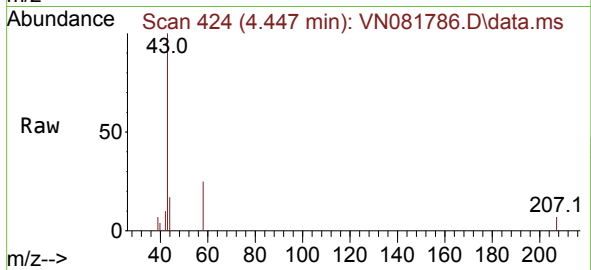




#16
Acetone
Concen: 9.339 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN081786.D
Acq: 18 Apr 2024 14:42

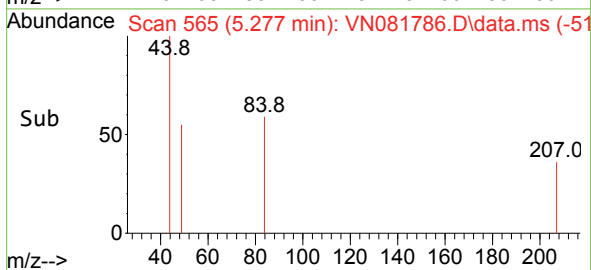
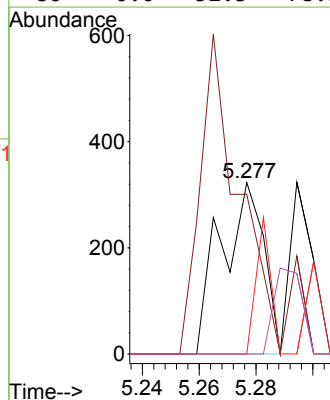
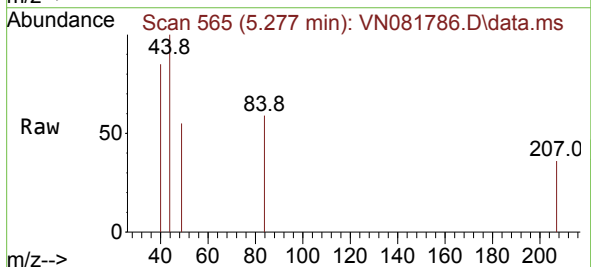
Instrument :
MSVOA_N
ClientSampleId :

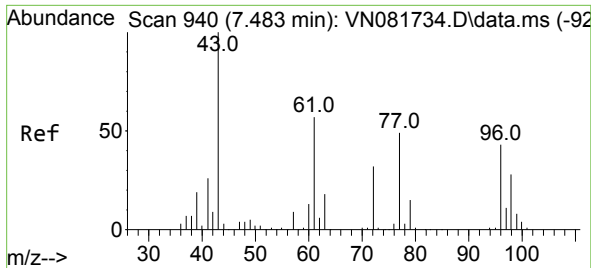
Tgt Ion: 43 Resp: 12701
Ion Ratio Lower Upper
43 100
58 25.5 25.2 37.8



#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN081786.D
Acq: 18 Apr 2024 14:42

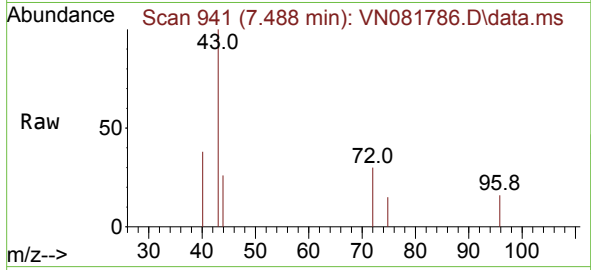
Tgt Ion: 84 Resp: 338
Ion Ratio Lower Upper
84 100
49 93.2 84.9 127.3
51 0.0 27.0 40.6#
86 0.0 52.3 78.5#



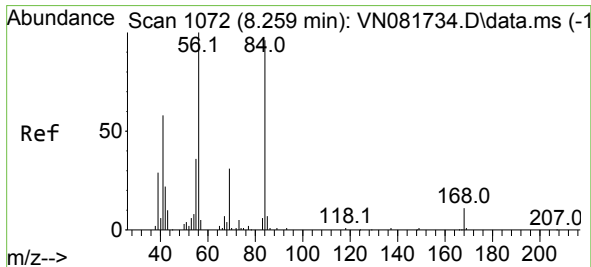
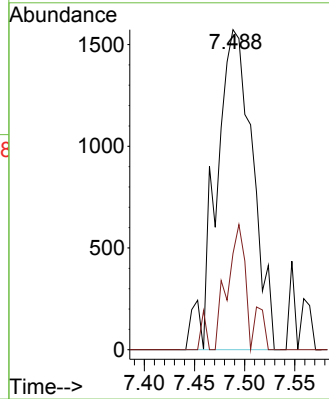
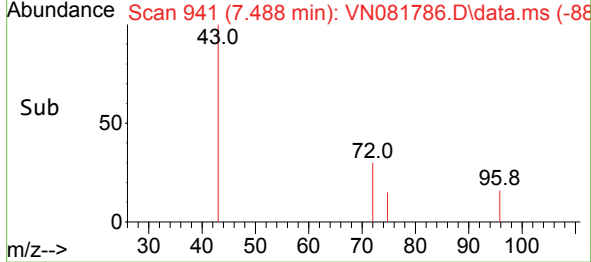


#25
2-Butanone
Concen: 1.777 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.005 min
Lab File: VN081786.D
Acq: 18 Apr 2024 14:42

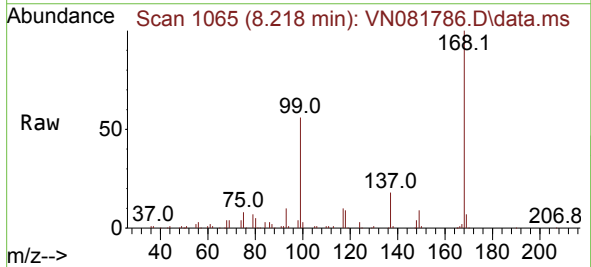
Instrument :
MSVOA_N
ClientSampleId :



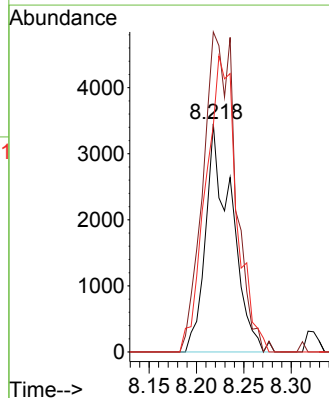
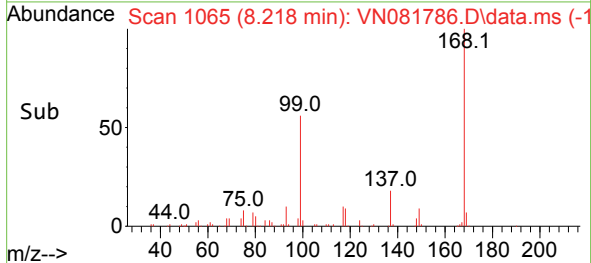
Tgt Ion: 43 Resp: 3984
Ion Ratio Lower Upper
43 100
72 30.1 25.3 37.9

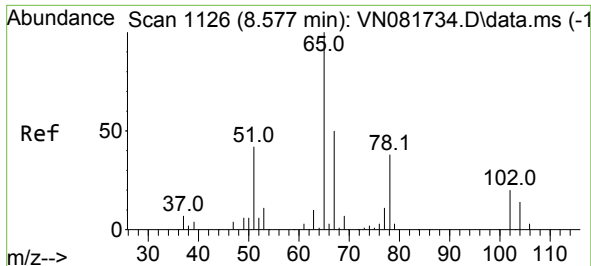


#31
Cyclohexane
Concen: 0.986 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN081786.D
Acq: 18 Apr 2024 14:42



Tgt Ion: 56 Resp: 6607
Ion Ratio Lower Upper
56 100
69 140.3 24.4 36.6#
84 99.2 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 40.773 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081786.D

Acq: 18 Apr 2024 14:42

Instrument :

MSVOA_N

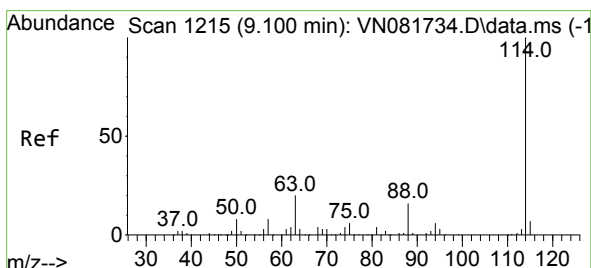
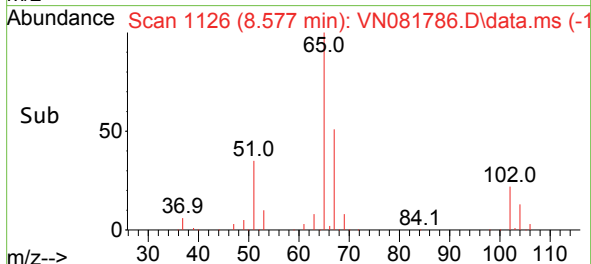
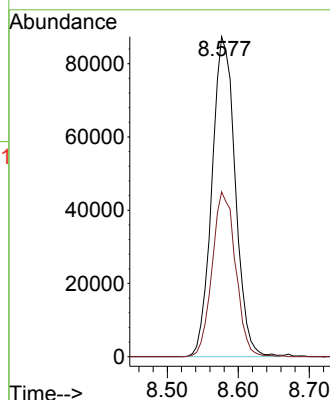
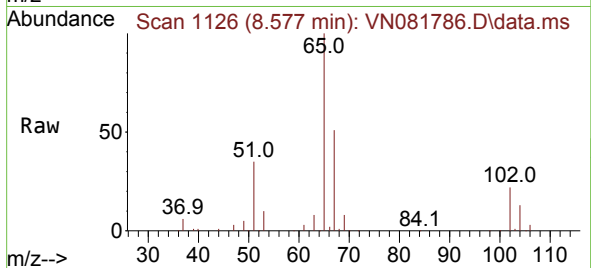
ClientSampleId :

Tgt Ion: 65 Resp: 199235

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN081786.D

Acq: 18 Apr 2024 14:42

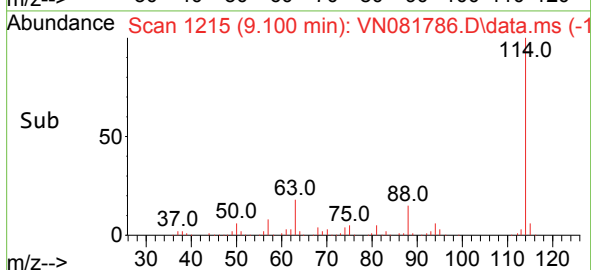
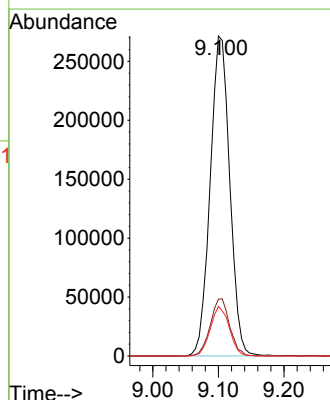
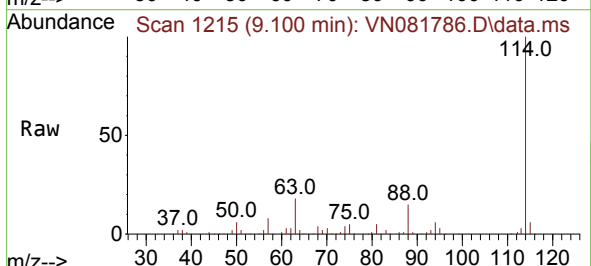
Tgt Ion: 114 Resp: 562381

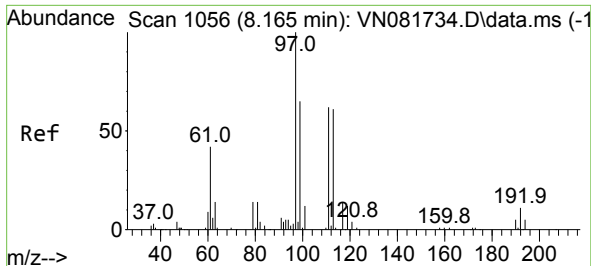
Ion Ratio Lower Upper

114 100

63 17.7 0.0 41.0

88 15.5 0.0 31.4

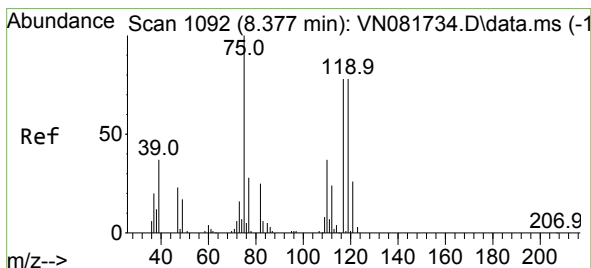
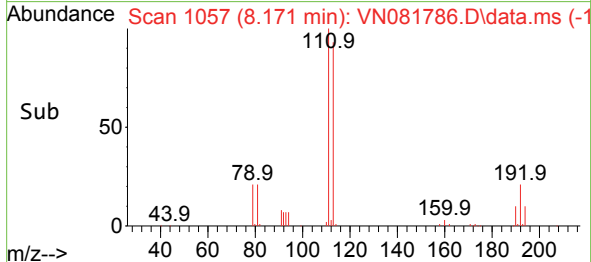
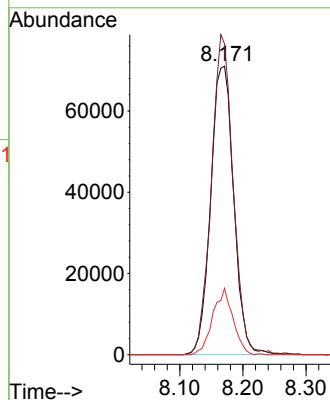
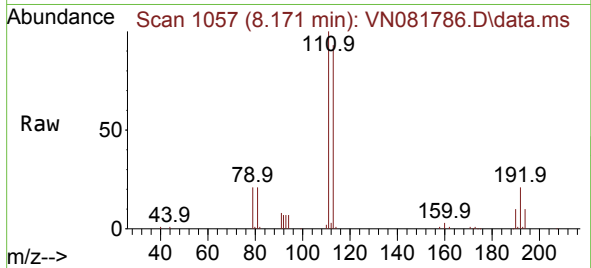




#35
Dibromofluoromethane
Concen: 48.472 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081786.D
Acq: 18 Apr 2024 14:42

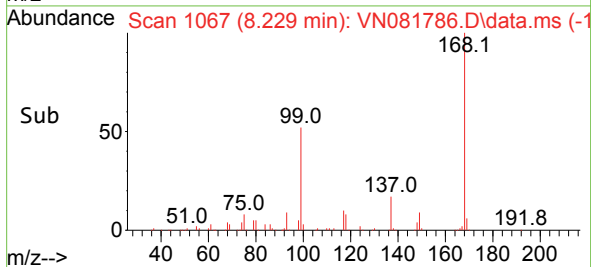
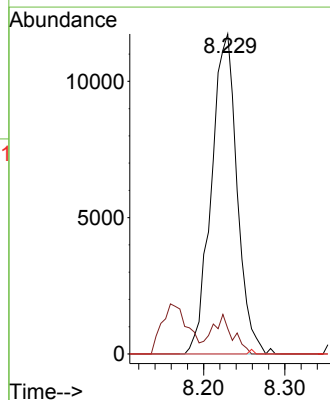
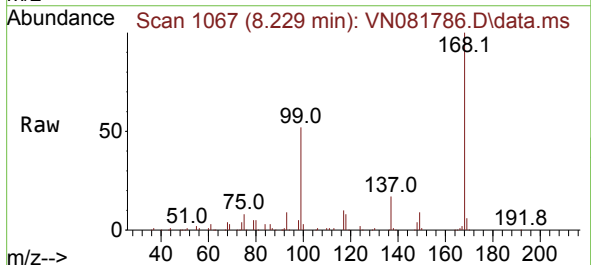
Instrument :
MSVOA_N
ClientSampleId :

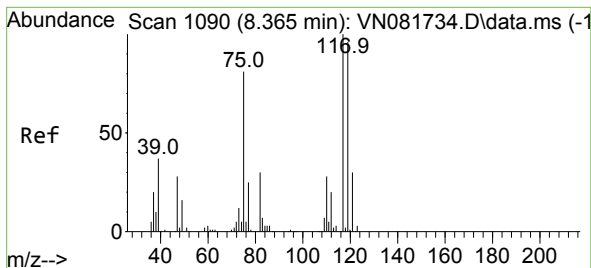
Tgt Ion:113 Resp: 180008
Ion Ratio Lower Upper
113 100
111 104.9 83.4 125.2
192 20.2 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.004 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.148 min
Lab File: VN081786.D
Acq: 18 Apr 2024 14:42

Tgt Ion: 75 Resp: 25889
Ion Ratio Lower Upper
75 100
110 10.1 17.8 53.5#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.011 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

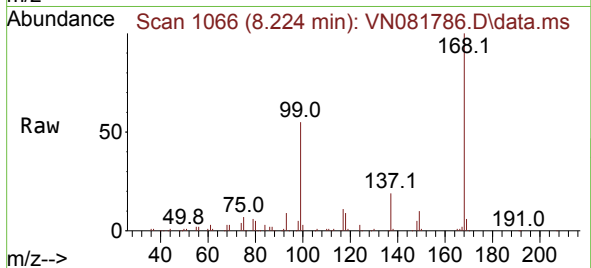
Lab File: VN081786.D

Acq: 18 Apr 2024 14:42

Instrument :

MSVOA_N

ClientSampleId :



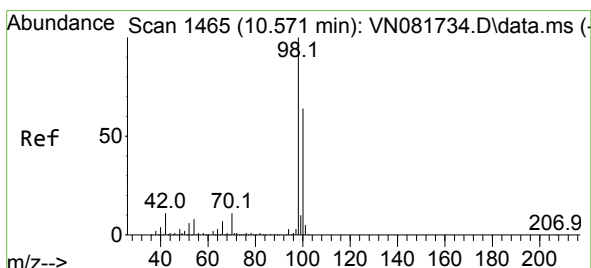
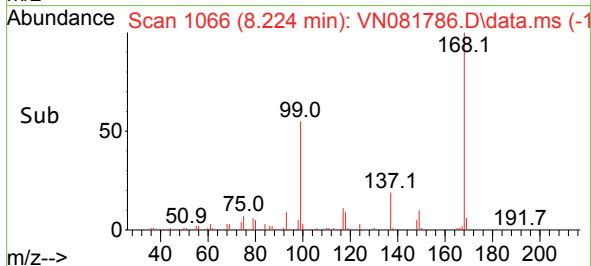
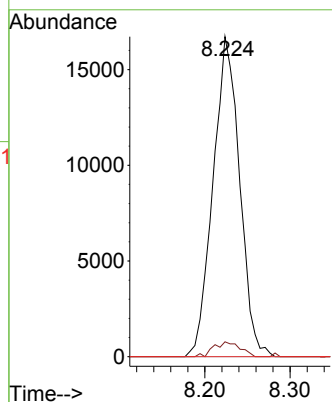
Tgt Ion:117 Resp: 36183

Ion Ratio Lower Upper

117 100

119 4.6 76.5 114.7#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 47.445 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN081786.D

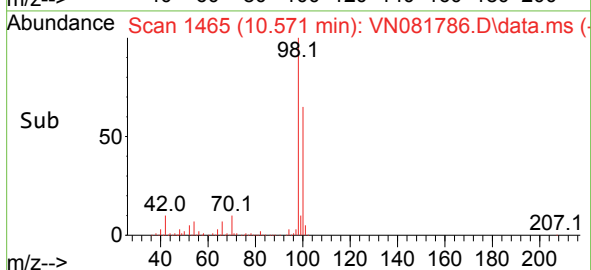
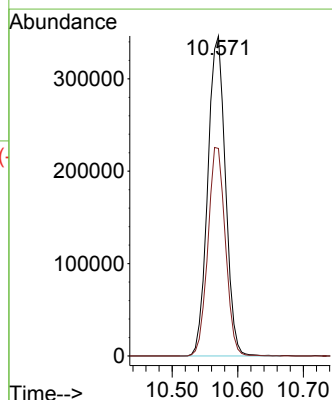
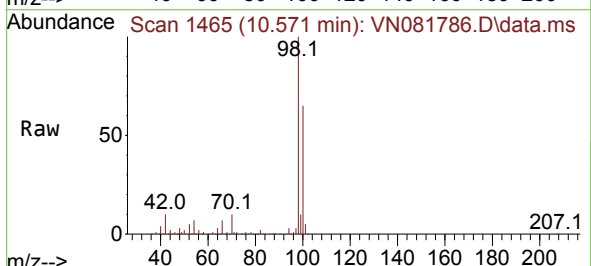
Acq: 18 Apr 2024 14:42

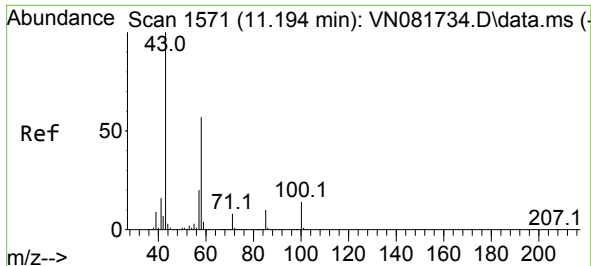
Tgt Ion: 98 Resp: 649096

Ion Ratio Lower Upper

98 100

100 64.4 51.8 77.6

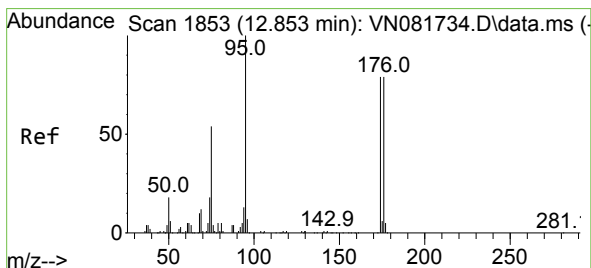
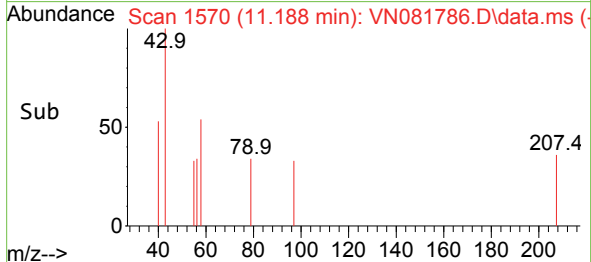
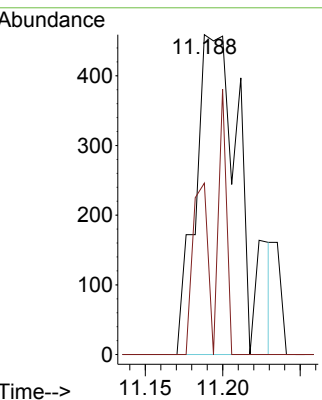
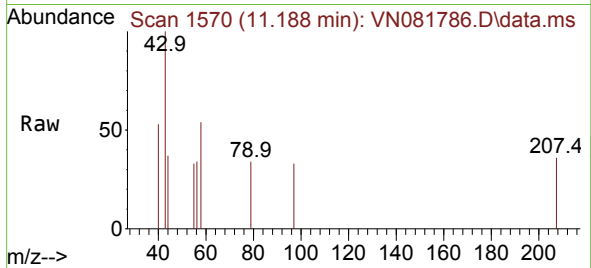




#59
2-Hexanone
Concen: 0.296 ug/l
RT: 11.188 min Scan# 1118
Delta R.T. -0.006 min
Lab File: VN081786.D
Acq: 18 Apr 2024 14:42

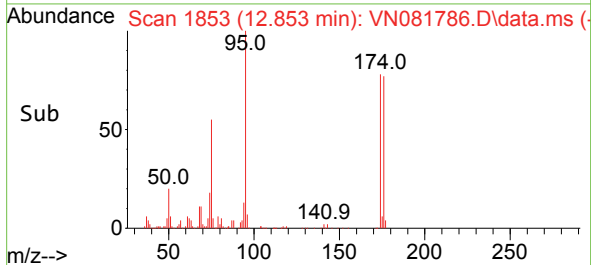
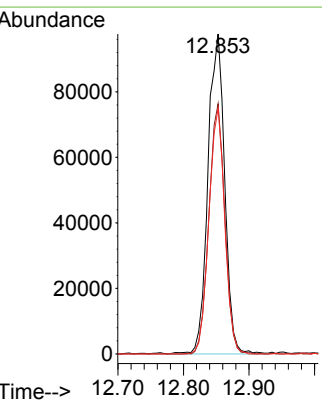
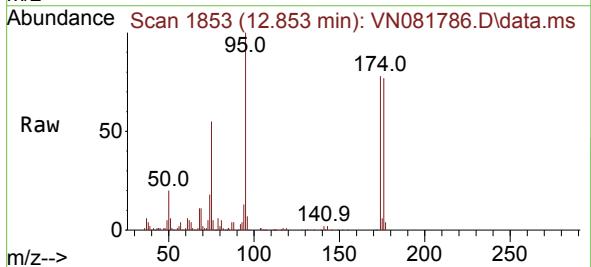
Instrument :
MSVOA_N
ClientSampleId :

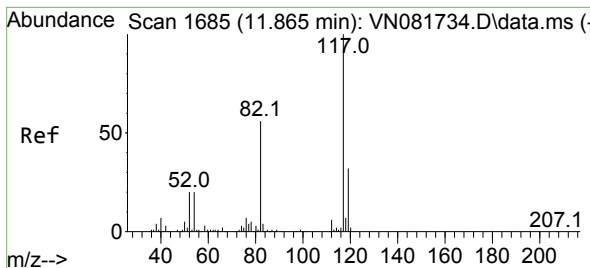
Tgt Ion: 43 Resp: 944
Ion Ratio Lower Upper
43 100
58 17.6 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 36.878 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN081786.D
Acq: 18 Apr 2024 14:42

Tgt Ion: 95 Resp: 172412
Ion Ratio Lower Upper
95 100
174 74.3 0.0 160.6
176 72.7 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

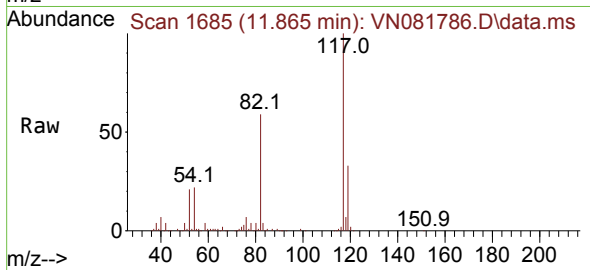
Lab File: VN081786.D

Acq: 18 Apr 2024 14:42

Instrument :

MSVOA_N

ClientSampleId :



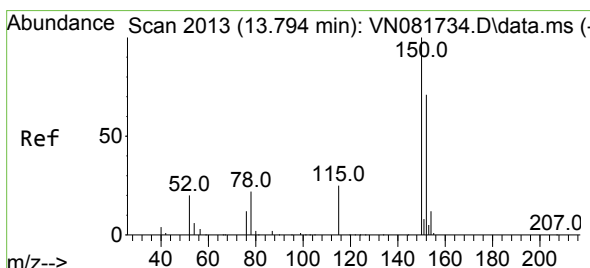
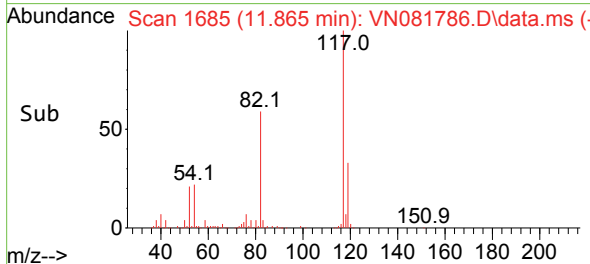
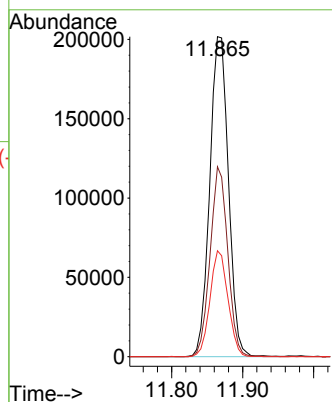
Tgt Ion:117 Resp: 368001

Ion Ratio Lower Upper

117 100

82 59.4 44.6 66.8

119 33.1 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN081786.D

Acq: 18 Apr 2024 14:42

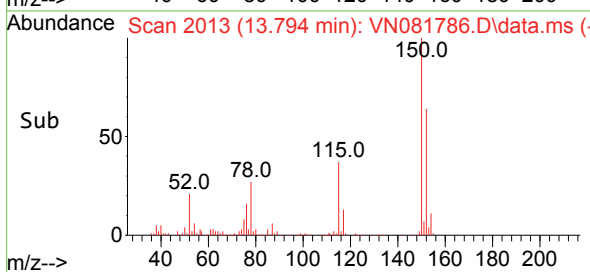
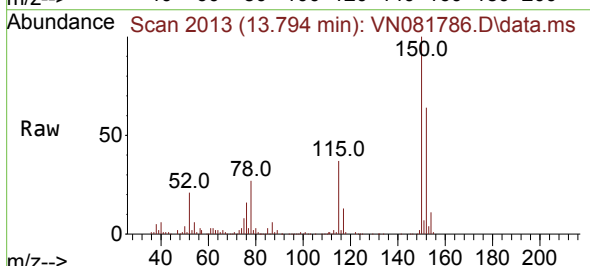
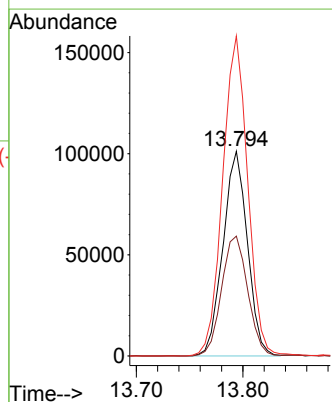
Tgt Ion:152 Resp: 161322

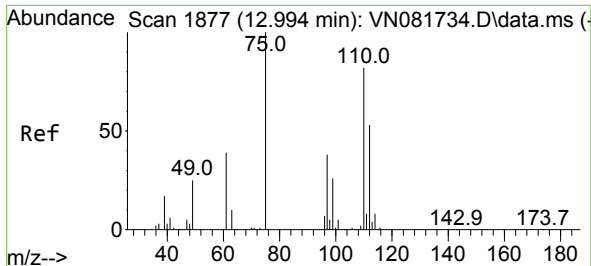
Ion Ratio Lower Upper

152 100

115 62.8 30.4 91.3

150 160.2 0.0 353.2

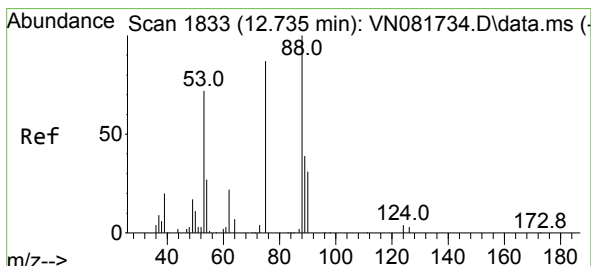
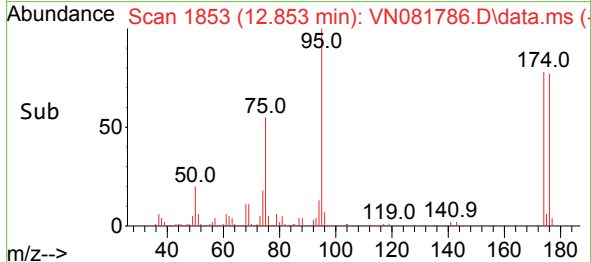
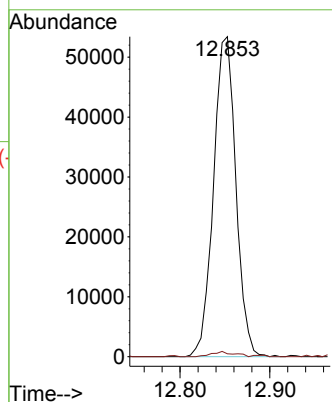
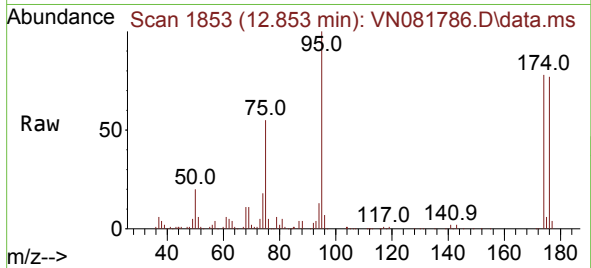




#76
1,2,3-Trichloropropane
Concen: 30.016 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081786.D
Acq: 18 Apr 2024 14:42

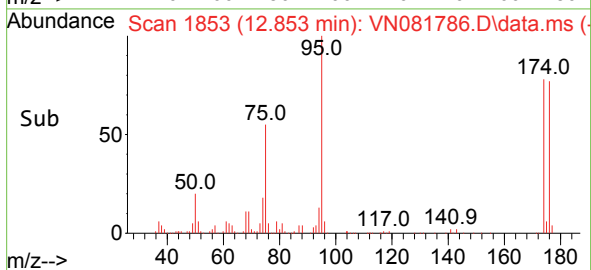
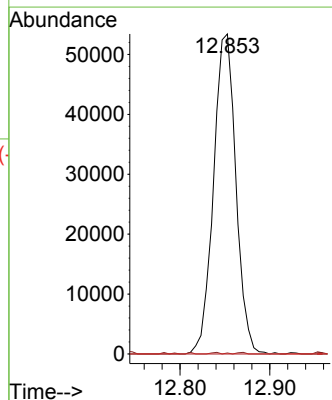
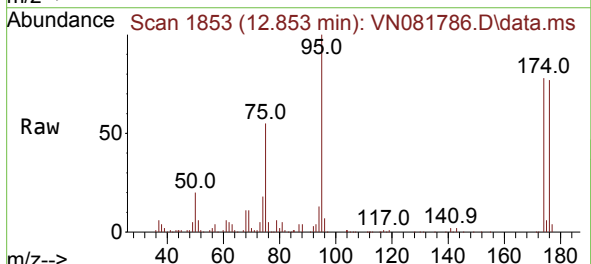
Instrument :
MSVOA_N
ClientSampleId :

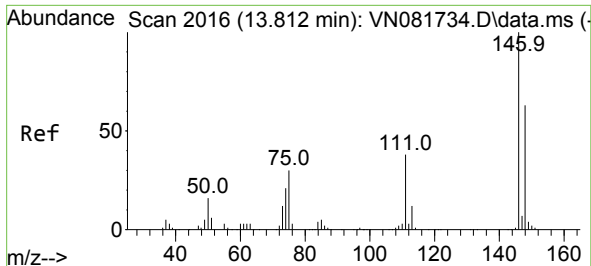
Tgt Ion: 75 Resp: 92520
Ion Ratio Lower Upper
75 100
77 1.6 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.174 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN081786.D
Acq: 18 Apr 2024 14:42

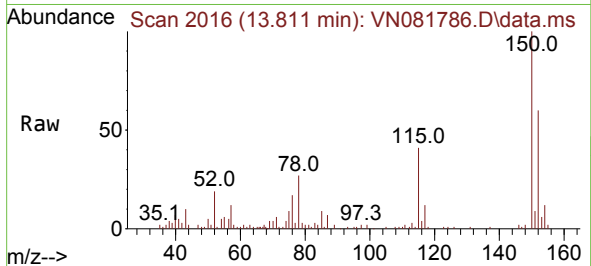
Tgt Ion: 75 Resp: 92520
Ion Ratio Lower Upper
75 100
53 0.2 72.9 109.3#
89 0.0 39.1 58.7#



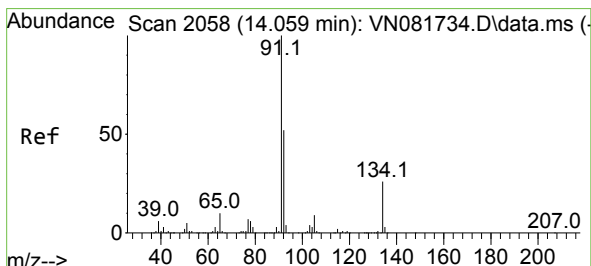
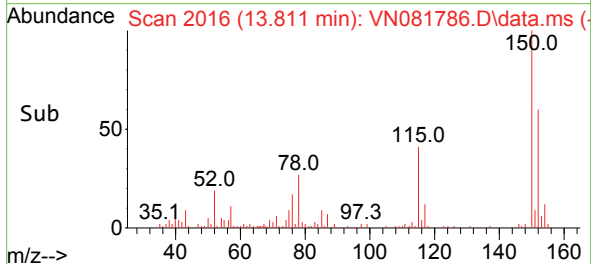
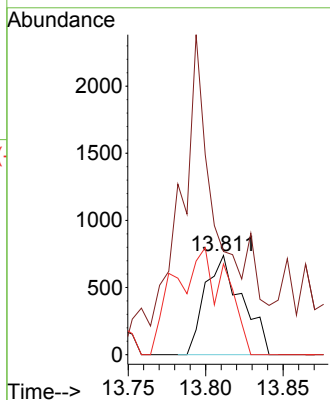


#88
1,4-Dichlorobenzene
Concen: 0.210 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.001 min
Lab File: VN081786.D
Acq: 18 Apr 2024 14:42

Instrument :
MSVOA_N
ClientSampleId :

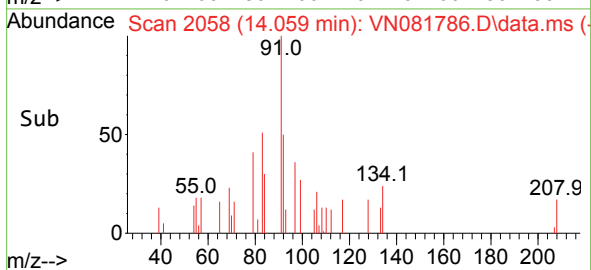
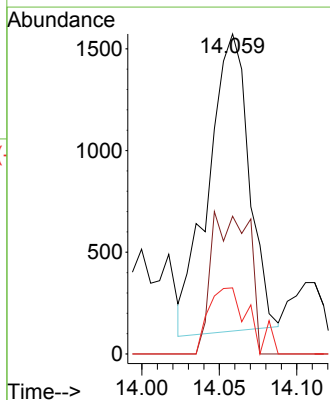
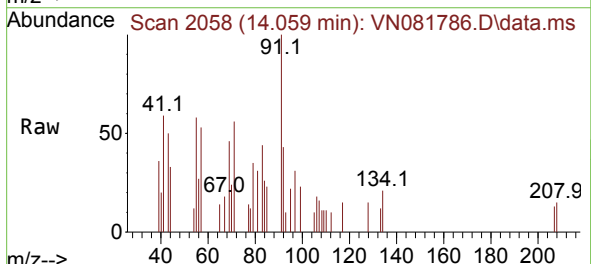


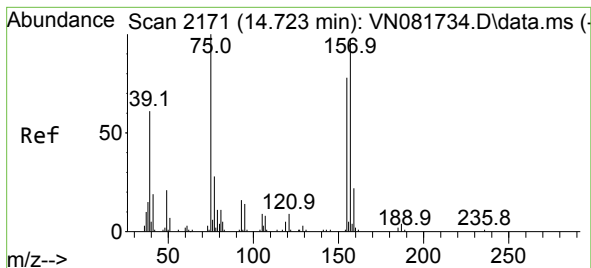
Tgt Ion:146 Resp: 1232
Ion Ratio Lower Upper
146 100
111 368.8 19.3 57.9#
148 147.8 31.3 93.9#



#89
n-Butylbenzene
Concen: 0.308 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN081786.D
Acq: 18 Apr 2024 14:42

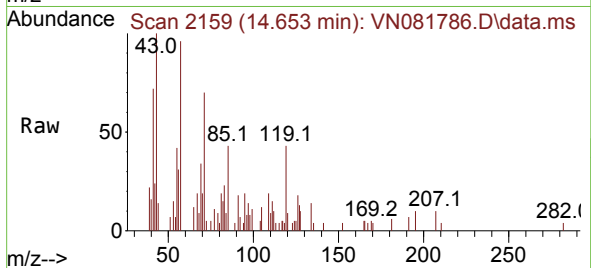
Tgt Ion: 91 Resp: 2663
Ion Ratio Lower Upper
91 100
92 44.3 26.2 78.5
134 22.3 13.2 39.5



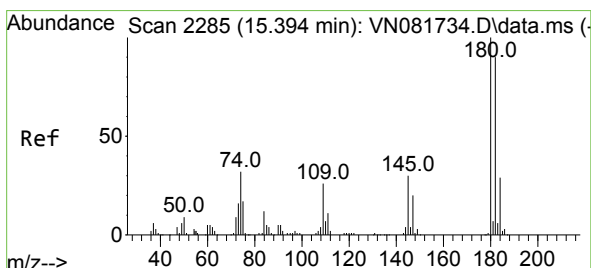
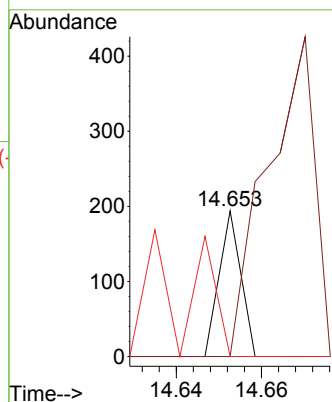
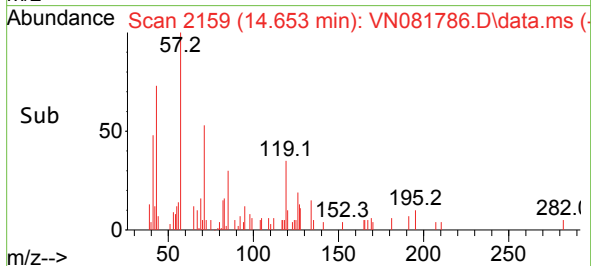


#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.653 min Scan# 2171
Delta R.T. -0.070 min
Lab File: VN081786.D
Acq: 18 Apr 2024 14:42

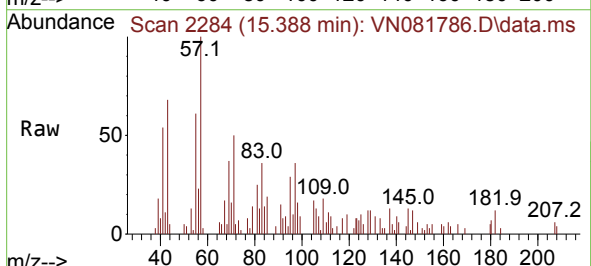
Instrument :
MSVOA_N
ClientSampleId :



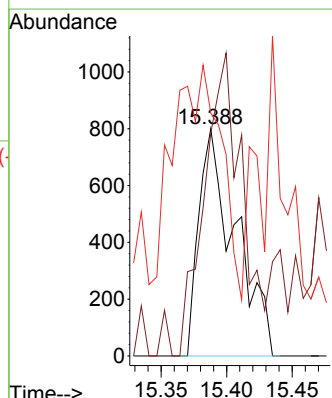
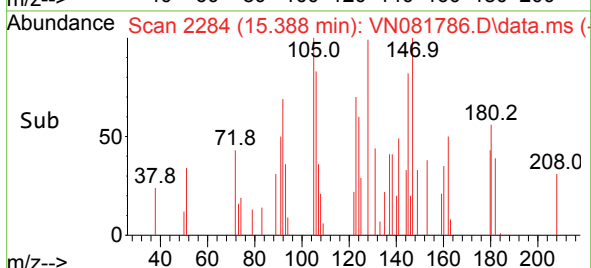
Tgt Ion: 75 Resp: 68
Ion Ratio Lower Upper
75 100
155 642.6 42.6 128.0#
157 0.0 53.0 159.0#

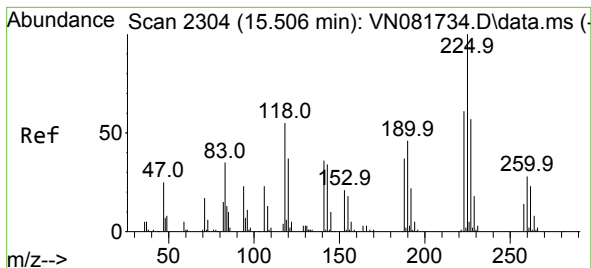


#93
1,2,4-Trichlorobenzene
Concen: 0.527 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.006 min
Lab File: VN081786.D
Acq: 18 Apr 2024 14:42



Tgt Ion: 180 Resp: 1548
Ion Ratio Lower Upper
180 100
182 137.4 46.7 140.0
145 0.0 16.2 48.6#





#94

Hexachlorobutadiene

Concen: 0.330 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.012 min

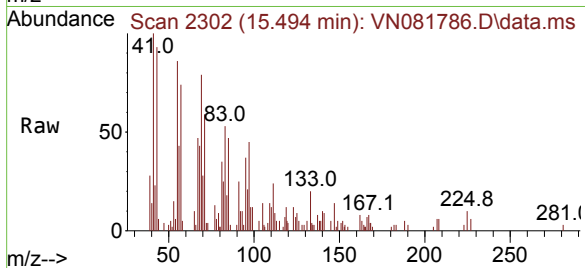
Lab File: VN081786.D

Acq: 18 Apr 2024 14:42

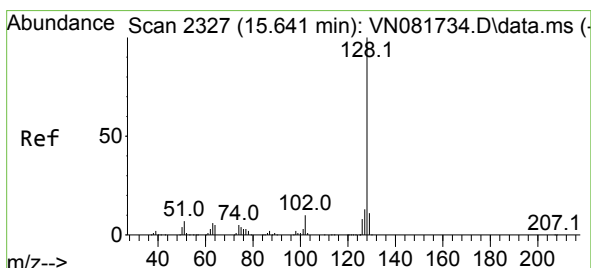
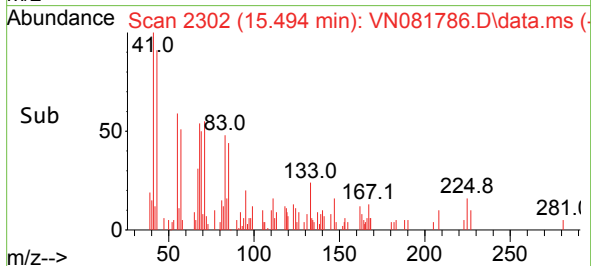
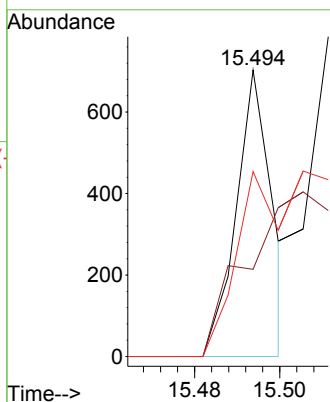
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	225	Resp:	418
Ion	Ratio	Lower	Upper
225	100		
223	148.6	31.1	93.2#
227	180.6	30.6	91.6#



#95

Naphthalene

Concen: 0.683 ug/l

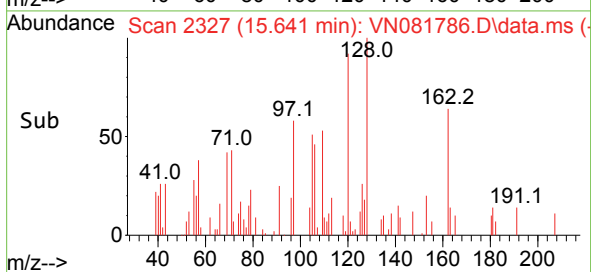
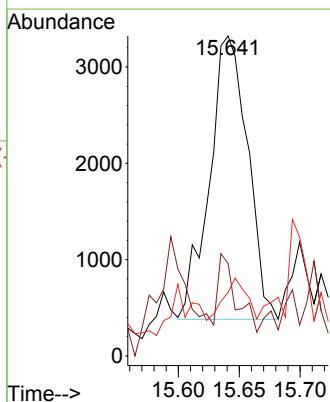
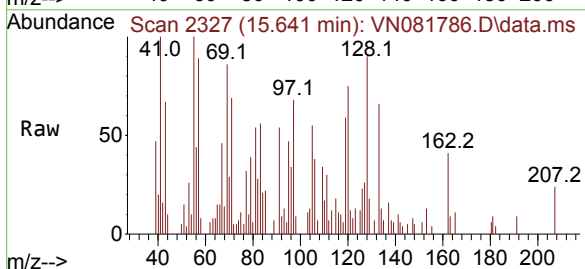
RT: 15.641 min Scan# 2327

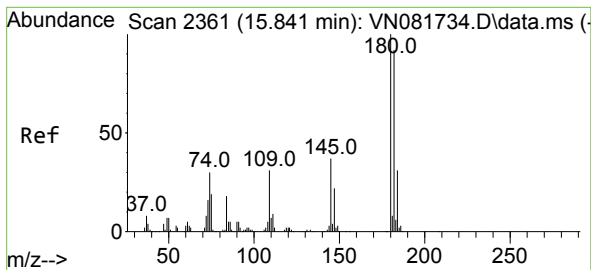
Delta R.T. -0.000 min

Lab File: VN081786.D

Acq: 18 Apr 2024 14:42

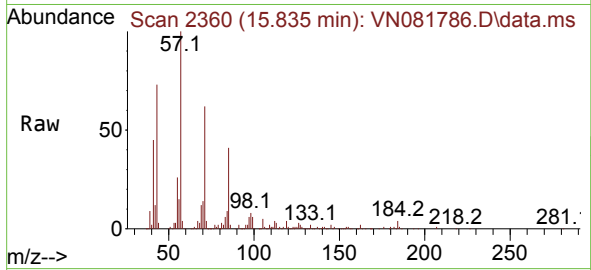
Tgt Ion:	128	Resp:	6415
Ion	Ratio	Lower	Upper
128	100		
127	19.7	10.1	15.1#
129	8.6	8.9	13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.412 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN081786.D
 Acq: 18 Apr 2024 14:42

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1237
 Ion Ratio Lower Upper
 180 100
 182 131.0 46.0 137.8
 145 190.5 17.1 51.3#

