

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041624\
 Data File : VN081752.D
 Acq On : 16 Apr 2024 12:27
 Operator : JC\MD
 Sample : P2073-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 17 03:22:57 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)

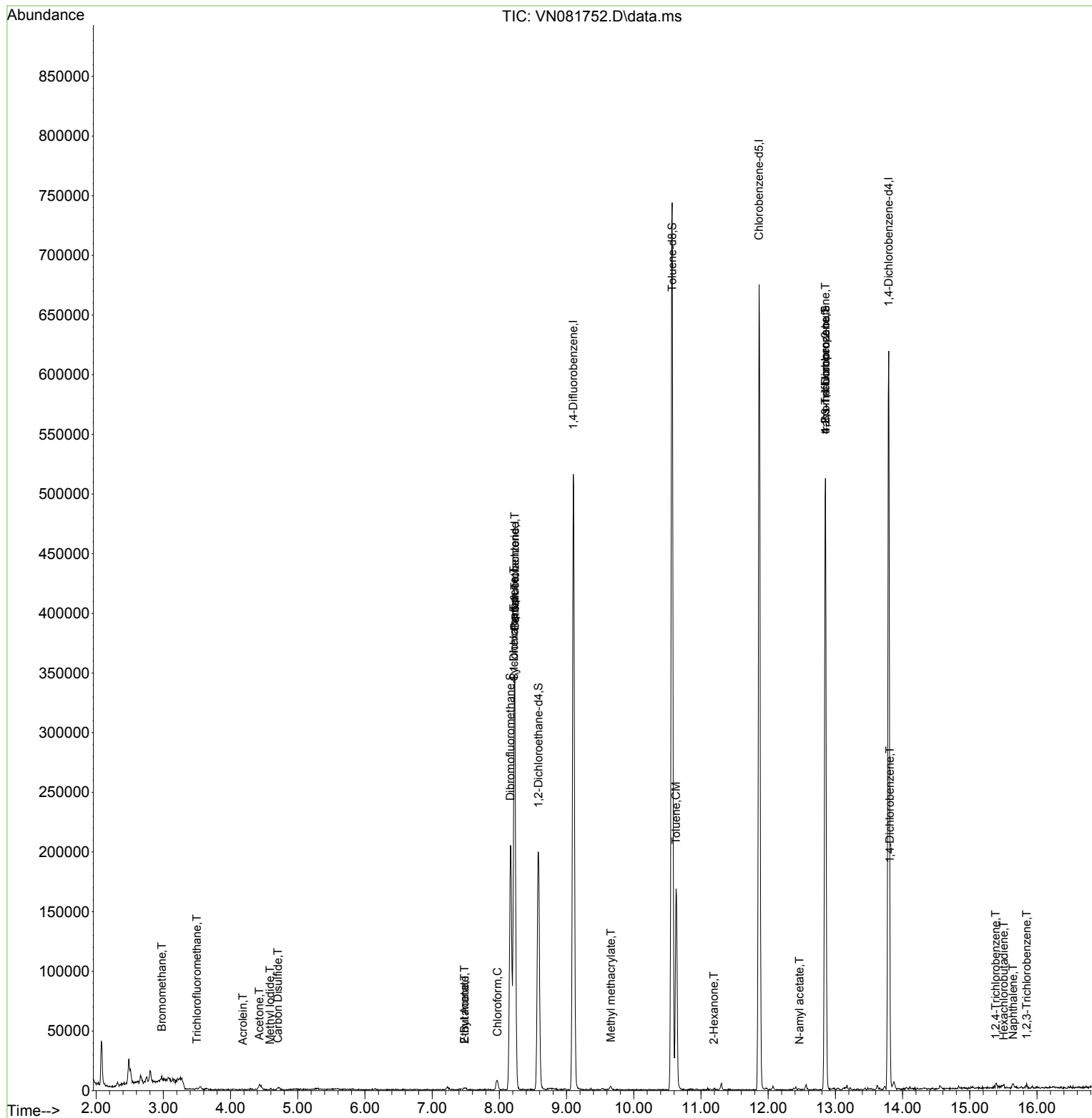
Internal Standards						
1) Pentafluorobenzene	8.229	168	249393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	446187	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	392519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	162972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	171024	48.734	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.460%		
35) Dibromofluoromethane	8.165	113	146938	49.871	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.740%		
50) Toluene-d8	10.570	98	525836	48.445	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.880%		
62) 4-Bromofluorobenzene	12.853	95	175284	47.256	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	94.520%		
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	833	Below Cal	#	43
5) Bromomethane	2.977	94	1858	0.796	ug/l #	39
6) Chloroethane	3.118	64	56	Below Cal	#	1
7) Trichlorofluoromethane	3.500	101	1171	0.235	ug/l #	58
10) Methyl Iodide	4.589	142	657	0.392	ug/l #	40
13) Acrolein	4.183	56	358	0.703	ug/l	97
16) Acetone	4.430	43	8729	8.937	ug/l #	87
17) Carbon Disulfide	4.706	76	1823	0.212	ug/l #	74
20) Methylene Chloride	5.265	84	272	Below Cal	#	58
25) 2-Butanone	7.482	43	2470	1.534	ug/l #	77
30) Chloroform	7.971	83	7734	1.267	ug/l	90
31) Cyclohexane	8.218	56	5946	1.235	ug/l #	29
36) 1,1-Dichloropropene	8.218	75	20723	5.048	ug/l #	49
37) Ethyl Acetate	7.482	43	2470	0.732	ug/l #	71
38) Carbon Tetrachloride	8.229	117	26634	5.577	ug/l #	16
48) Methyl methacrylate	9.659	41	1185	0.462	ug/l #	38
52) Toluene	10.629	92	76948	9.473	ug/l	96
59) 2-Hexanone	11.194	43	987	0.390	ug/l #	60
74) N-amyl acetate	12.464	43	1103	0.248	ug/l #	42
76) 1,2,3-Trichloropropane	12.853	75	95038	30.588	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	95038	71.354	ug/l #	12
88) 1,4-Dichlorobenzene	13.811	146	1641	0.276	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.388	180	1094	0.368	ug/l	75
94) Hexachlorobutadiene	15.505	225	765	0.598	ug/l	80
95) Naphthalene	15.647	128	3630	0.383	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.847	180	1040	0.343	ug/l #	77

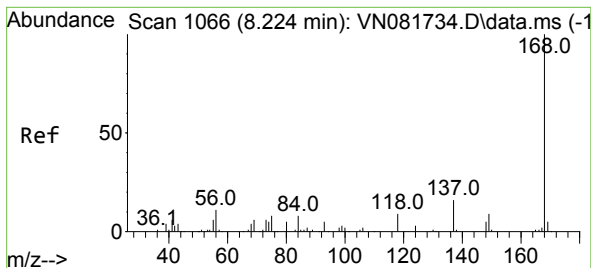
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampleId :

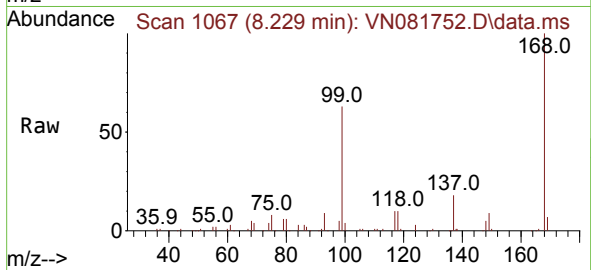
Quant Time: Apr 17 03:22:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041524W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 15 15:37:39 2024
Response via : Initial Calibration



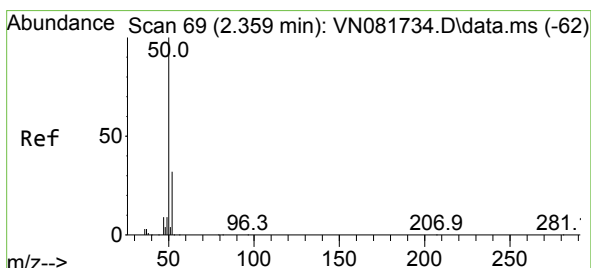
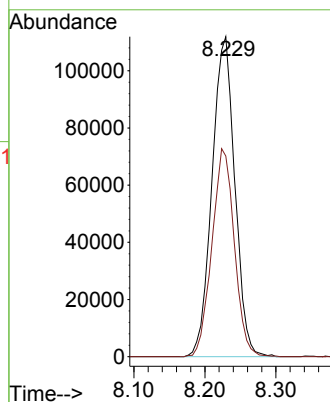
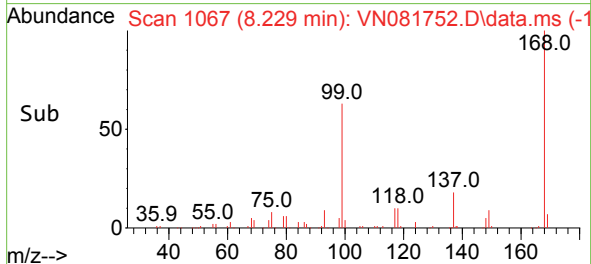


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN081752.D
Acq: 16 Apr 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :

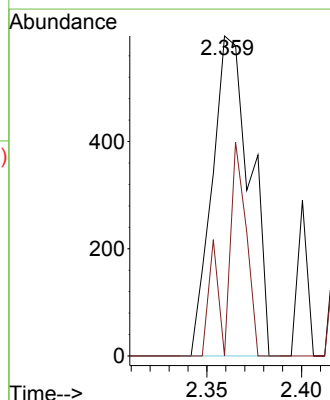
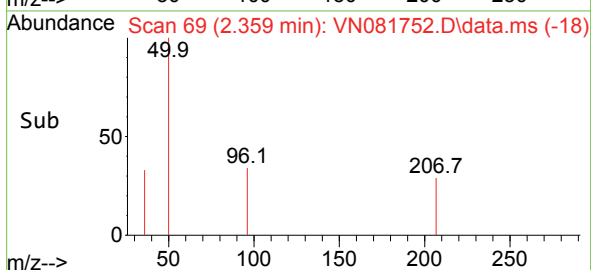
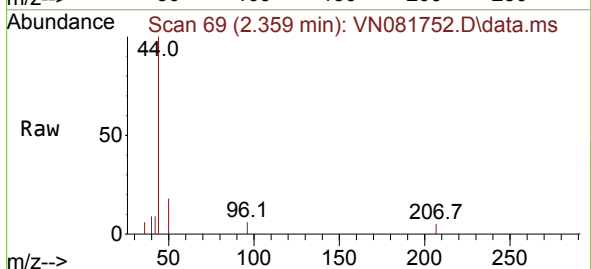


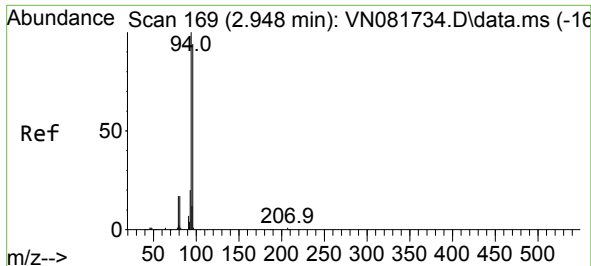
Tgt Ion:168 Resp: 249393
Ion Ratio Lower Upper
168 100
99 62.7 48.2 72.4



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN081752.D
Acq: 16 Apr 2024 12:27

Tgt Ion: 50 Resp: 833
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

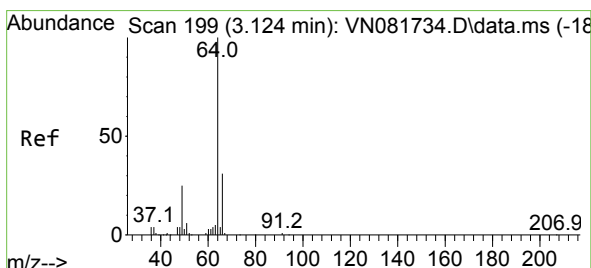
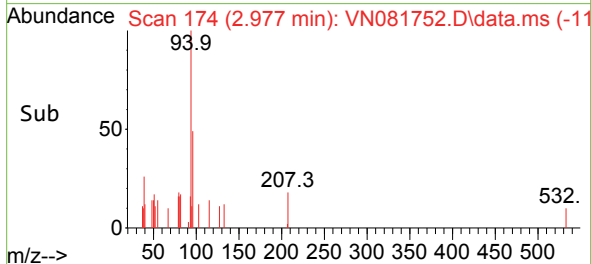
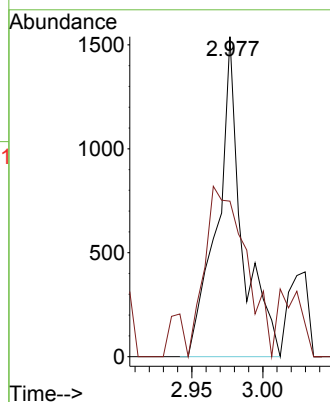
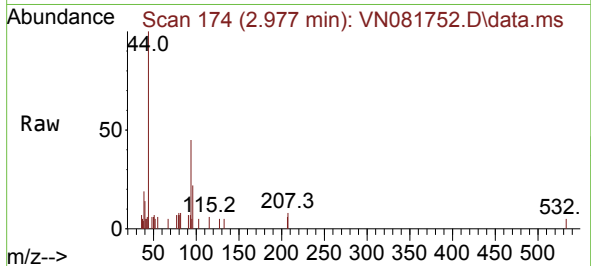




#5
Bromomethane
Concen: 0.796 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN081752.D
Acq: 16 Apr 2024 12:27

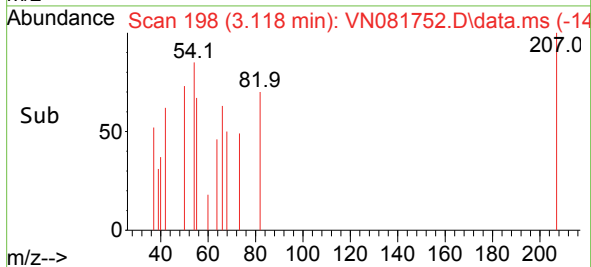
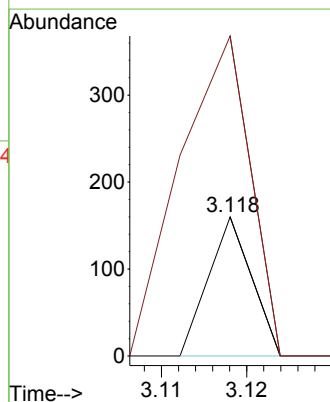
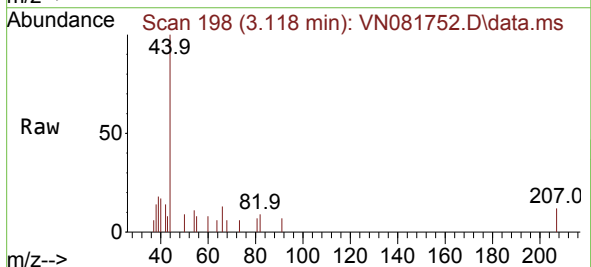
Instrument :
MSVOA_N
ClientSampleId :

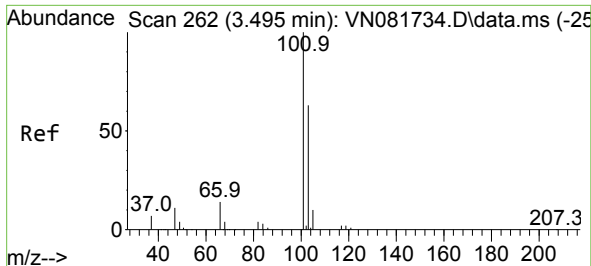
Tgt Ion: 94 Resp: 1858
Ion Ratio Lower Upper
94 100
96 35.2 74.8 112.2#



#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN081752.D
Acq: 16 Apr 2024 12:27

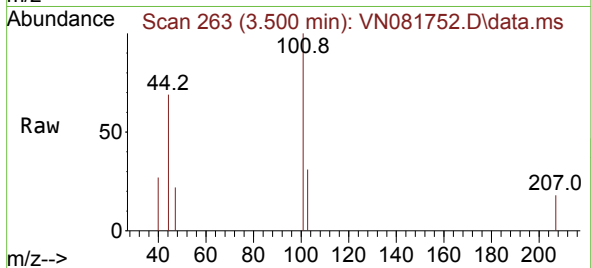
Tgt Ion: 64 Resp: 56
Ion Ratio Lower Upper
64 100
66 230.0 24.7 37.1#



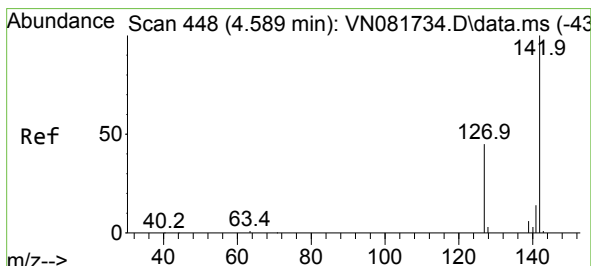
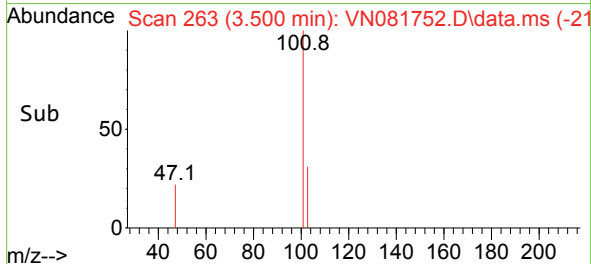
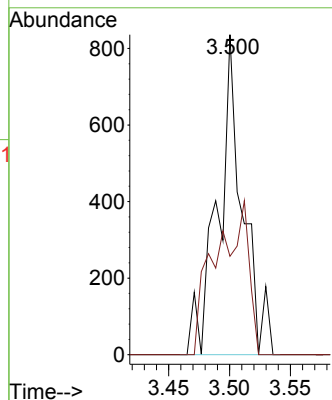


#7
 Trichlorofluoromethane
 Concen: 0.235 ug/l
 RT: 3.500 min Scan# 20
 Delta R.T. 0.005 min
 Lab File: VN081752.D
 Acq: 16 Apr 2024 12:27

Instrument :
 MSVOA_N
 ClientSampleId :

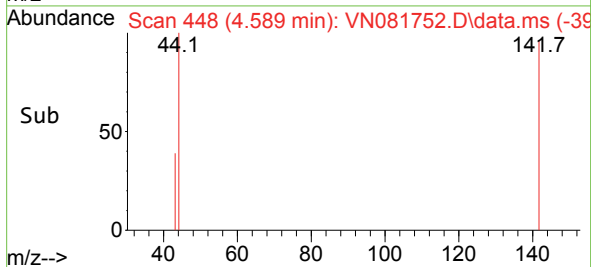
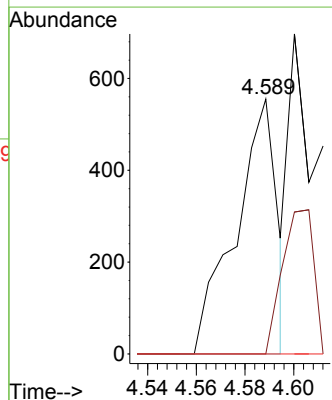
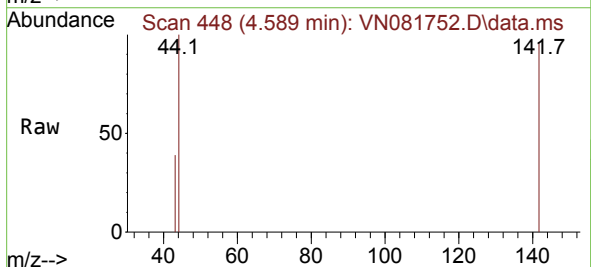


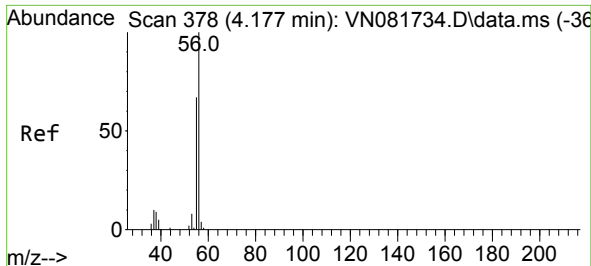
Tgt Ion:101 Resp: 1171
 Ion Ratio Lower Upper
 101 100
 103 30.7 50.6 75.8#



#10
 Methyl Iodide
 Concen: 0.392 ug/l
 RT: 4.589 min Scan# 448
 Delta R.T. -0.000 min
 Lab File: VN081752.D
 Acq: 16 Apr 2024 12:27

Tgt Ion:142 Resp: 657
 Ion Ratio Lower Upper
 142 100
 127 0.0 35.8 53.6#
 141 0.0 11.4 17.2#





#13

Acrolein

Concen: 0.703 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN081752.D

Acq: 16 Apr 2024 12:27

Instrument :

MSVOA_N

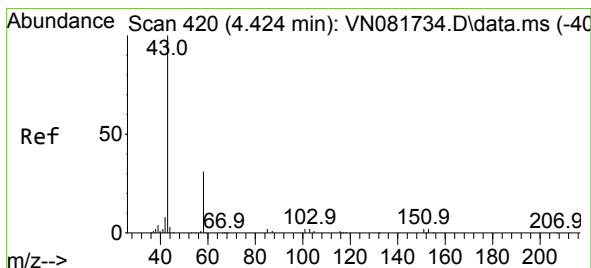
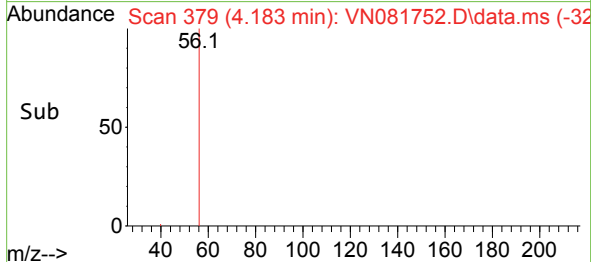
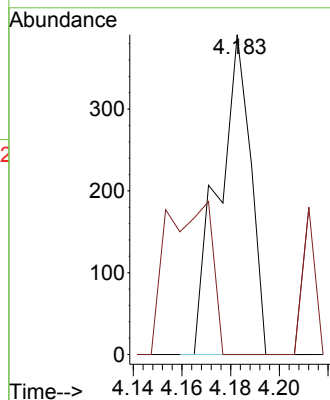
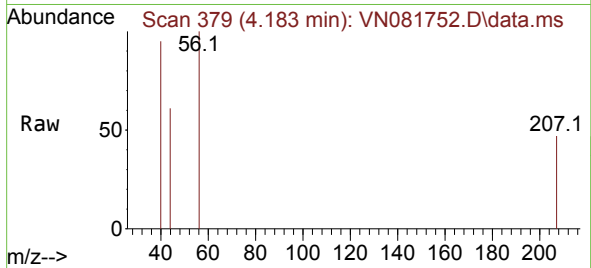
ClientSampleId :

Tgt Ion: 56 Resp: 358

Ion Ratio Lower Upper

56 100

55 67.0 55.8 83.8



#16

Acetone

Concen: 8.937 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN081752.D

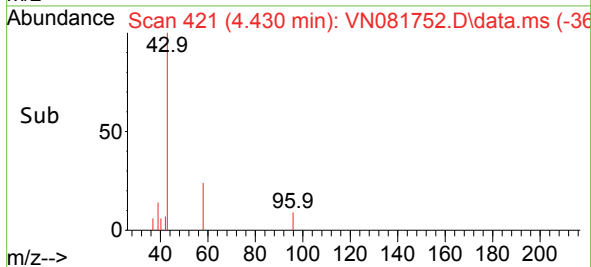
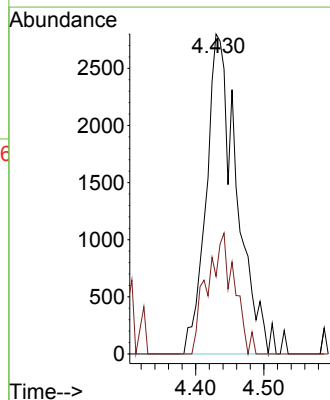
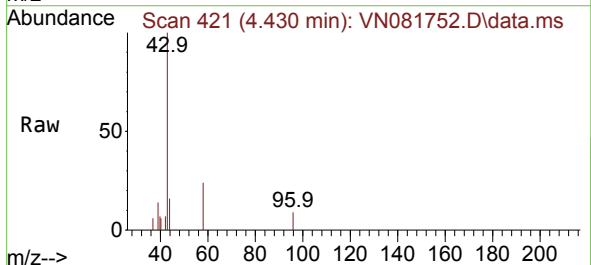
Acq: 16 Apr 2024 12:27

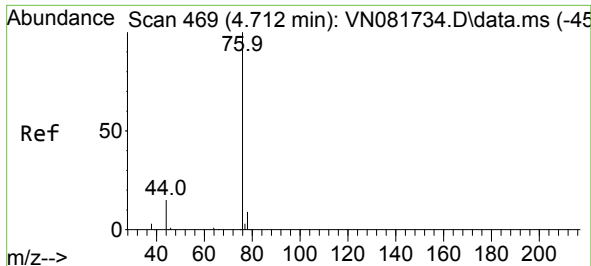
Tgt Ion: 43 Resp: 8729

Ion Ratio Lower Upper

43 100

58 24.2 25.2 37.8#





#17

Carbon Disulfide

Concen: 0.212 ug/l

RT: 4.706 min Scan# 4

Delta R.T. -0.006 min

Lab File: VN081752.D

Acq: 16 Apr 2024 12:27

Instrument :

MSVOA_N

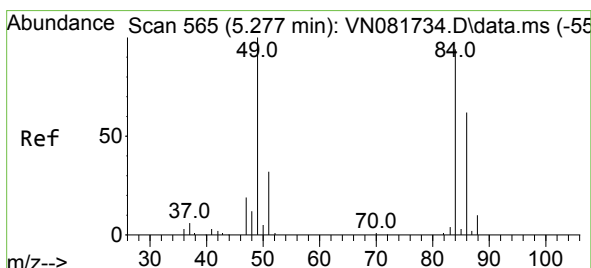
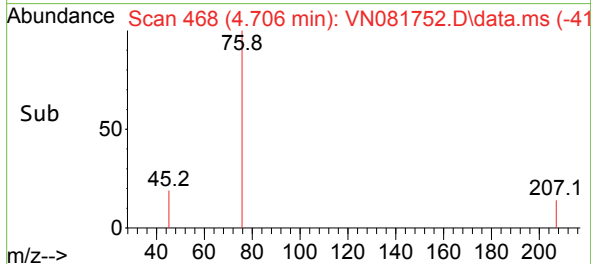
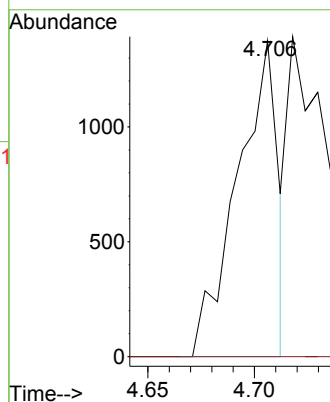
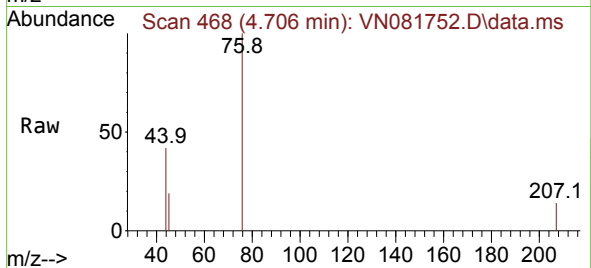
ClientSampleId :

Tgt Ion: 76 Resp: 1823

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.265 min Scan# 563

Delta R.T. -0.012 min

Lab File: VN081752.D

Acq: 16 Apr 2024 12:27

Tgt Ion: 84 Resp: 272

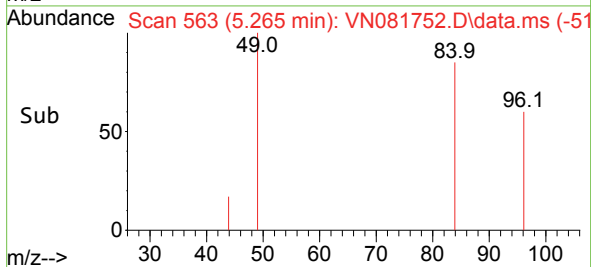
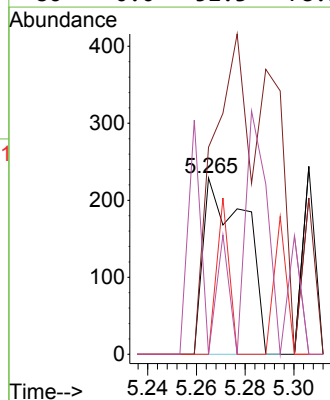
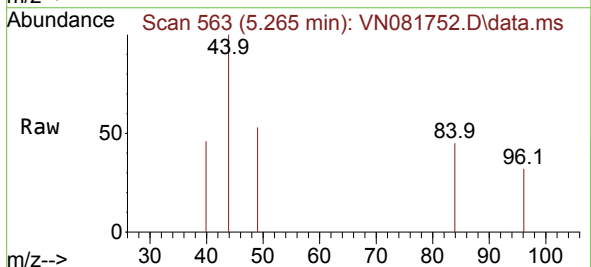
Ion Ratio Lower Upper

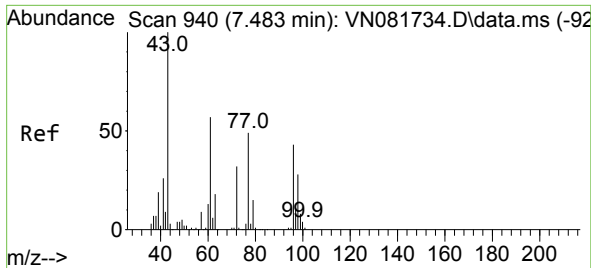
84 100

49 117.5 84.9 127.3

51 0.0 27.0 40.6#

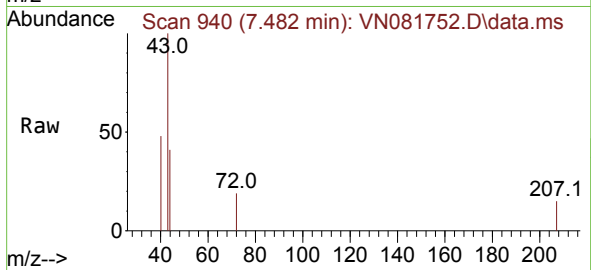
86 0.0 52.3 78.5#



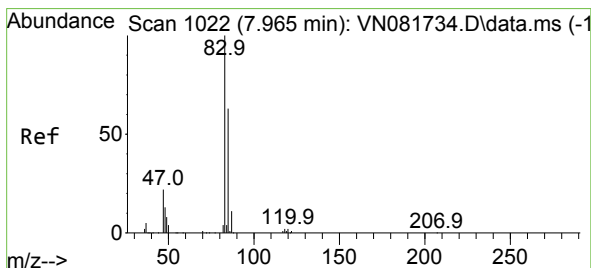
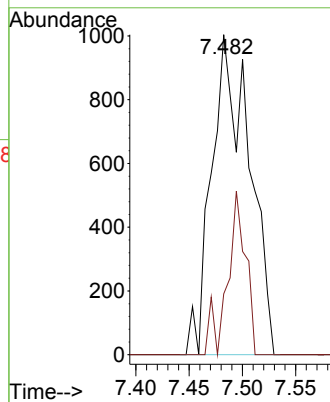
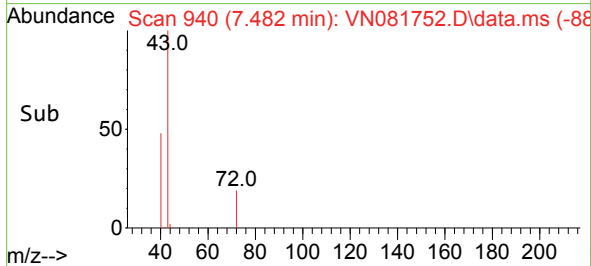


#25
2-Butanone
Concen: 1.534 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.001 min
Lab File: VN081752.D
Acq: 16 Apr 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :

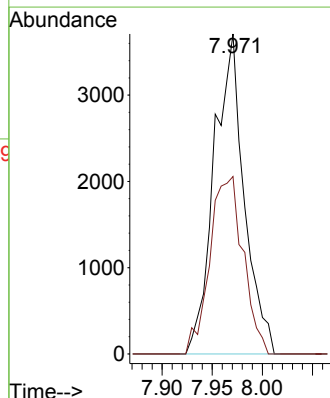
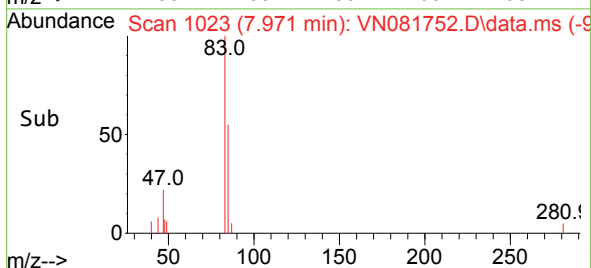
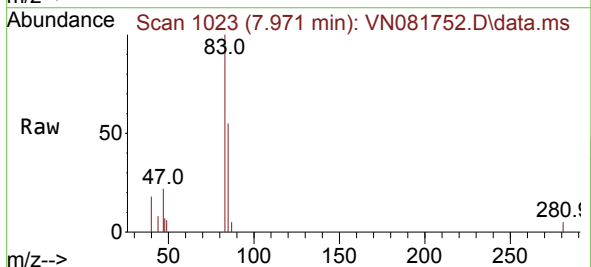


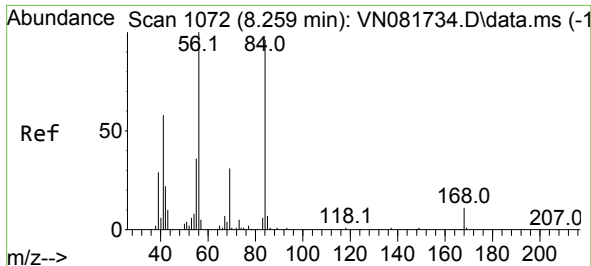
Tgt Ion: 43 Resp: 2470
Ion Ratio Lower Upper
43 100
72 19.0 25.3 37.9#



#30
Chloroform
Concen: 1.267 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN081752.D
Acq: 16 Apr 2024 12:27

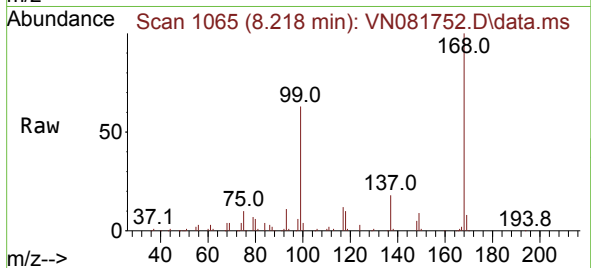
Tgt Ion: 83 Resp: 7734
Ion Ratio Lower Upper
83 100
85 55.5 50.7 76.1



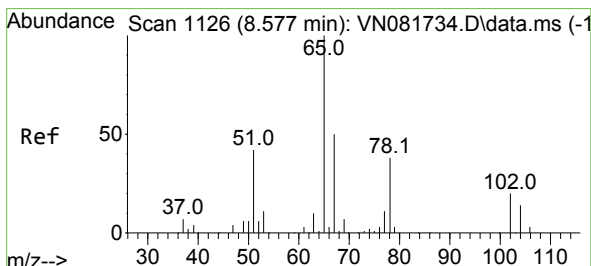
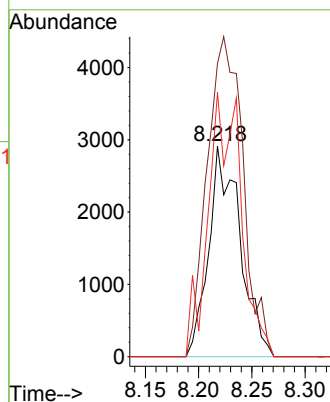
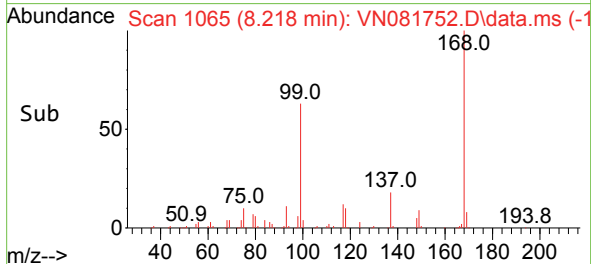


#31
Cyclohexane
Concen: 1.235 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN081752.D
Acq: 16 Apr 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :

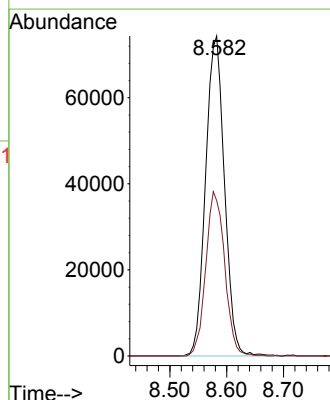
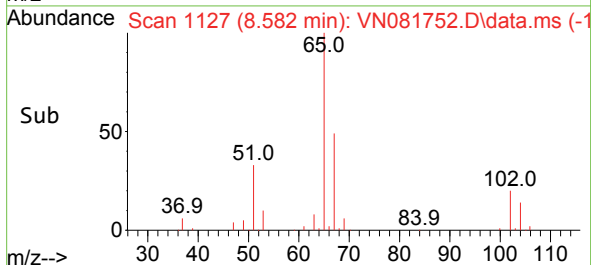
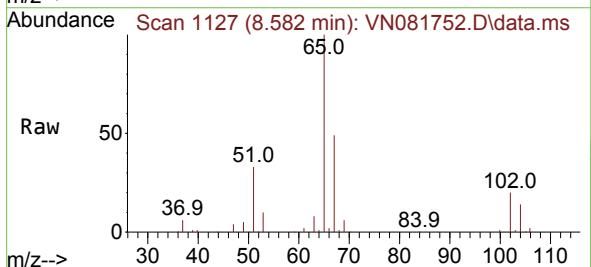


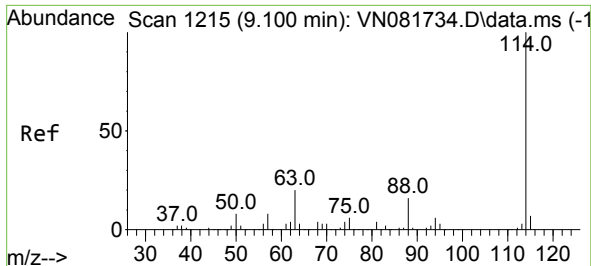
Tgt Ion: 56 Resp: 5946
Ion Ratio Lower Upper
56 100
69 139.4 24.4 36.6#
84 125.5 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 48.734 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VN081752.D
Acq: 16 Apr 2024 12:27

Tgt Ion: 65 Resp: 171024
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081752.D

Acq: 16 Apr 2024 12:27

Instrument :

MSVOA_N

ClientSampleId :

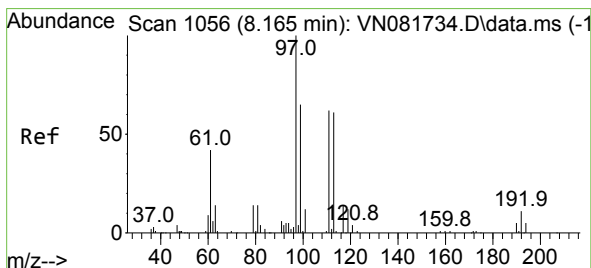
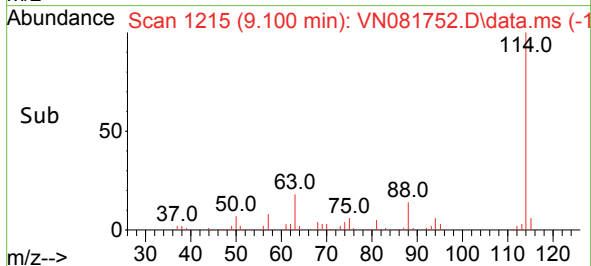
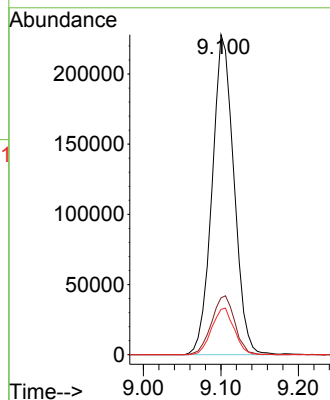
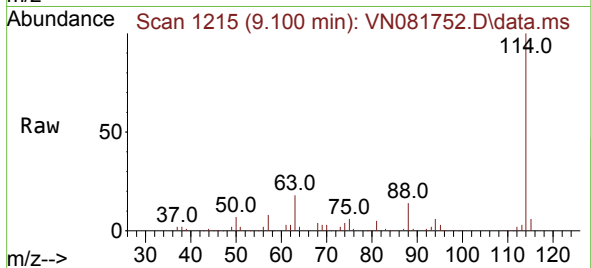
Tgt Ion:114 Resp: 446187

Ion Ratio Lower Upper

114 100

63 17.7 0.0 41.0

88 14.1 0.0 31.4



#35

Dibromofluoromethane

Concen: 49.871 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN081752.D

Acq: 16 Apr 2024 12:27

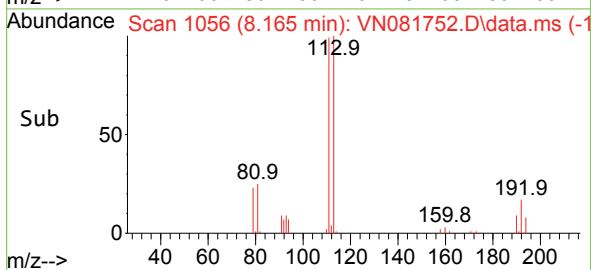
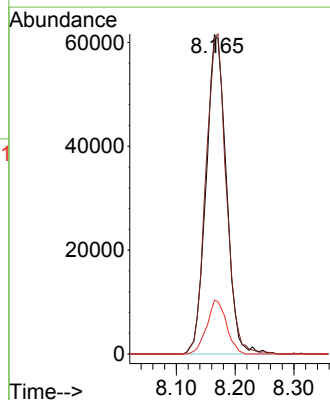
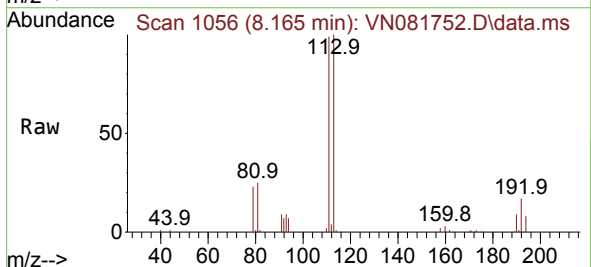
Tgt Ion:113 Resp: 146938

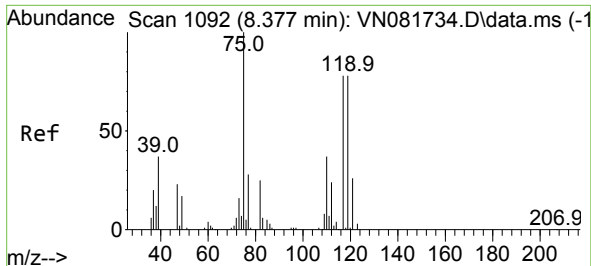
Ion Ratio Lower Upper

113 100

111 100.5 83.4 125.2

192 16.4 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.048 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.159 min

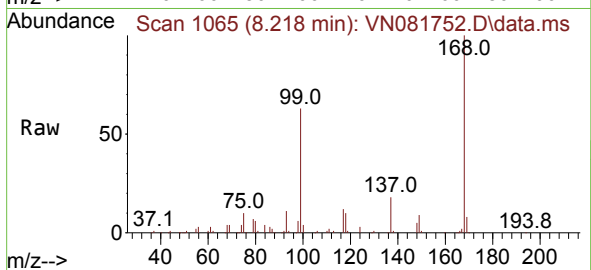
Lab File: VN081752.D

Acq: 16 Apr 2024 12:27

Instrument :

MSVOA_N

ClientSampleId :



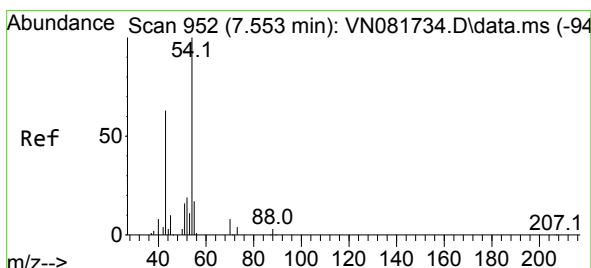
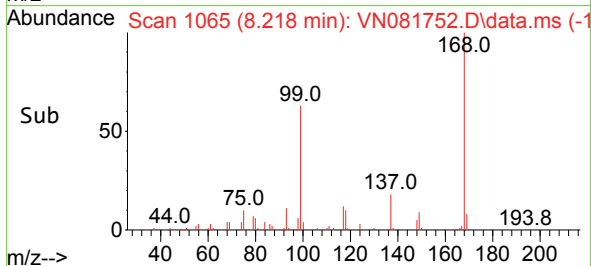
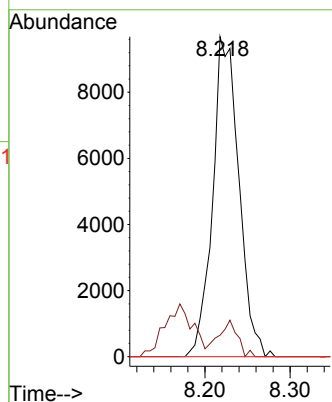
Tgt Ion: 75 Resp: 20723

Ion Ratio Lower Upper

75 100

110 8.5 17.8 53.5#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.732 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.071 min

Lab File: VN081752.D

Acq: 16 Apr 2024 12:27

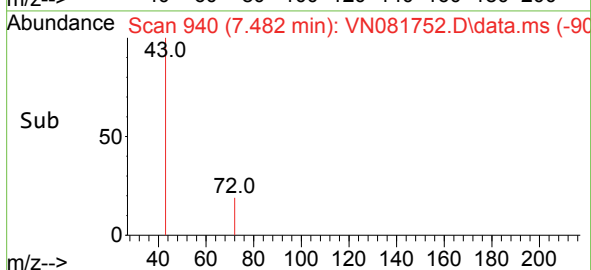
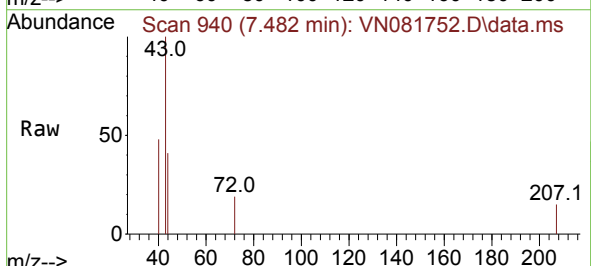
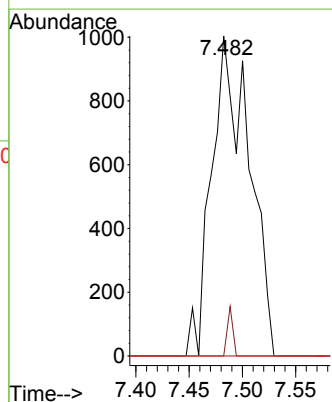
Tgt Ion: 43 Resp: 2470

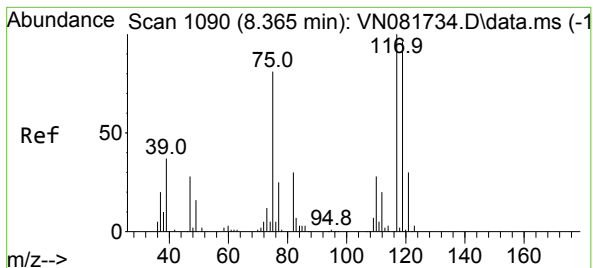
Ion Ratio Lower Upper

43 100

61 2.2 11.3 16.9#

70 0.0 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.577 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.136 min

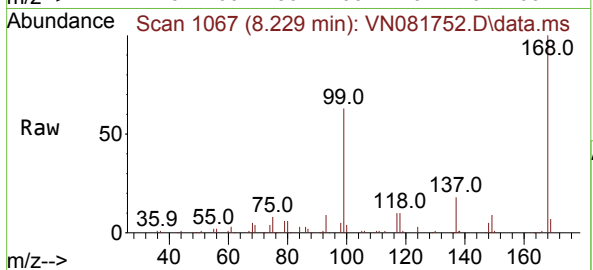
Lab File: VN081752.D

Acq: 16 Apr 2024 12:27

Instrument :

MSVOA_N

ClientSampleId :



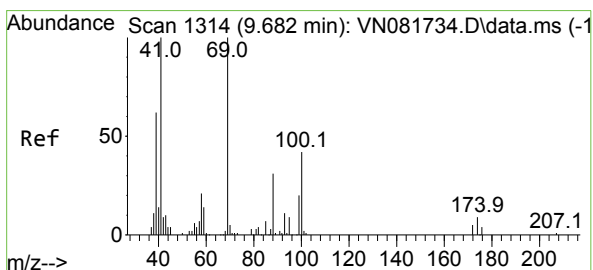
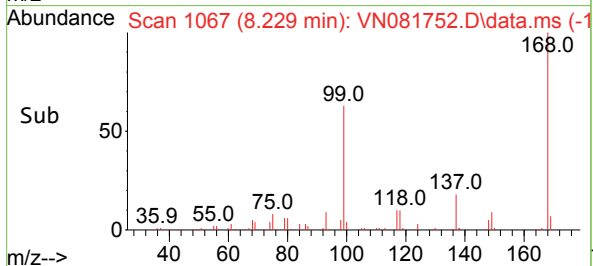
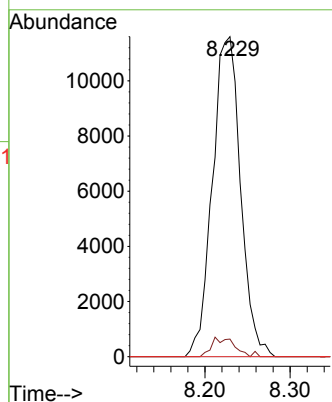
Tgt Ion: 117 Resp: 26634

Ion Ratio Lower Upper

117 100

119 5.5 76.5 114.7#

121 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 0.462 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.023 min

Lab File: VN081752.D

Acq: 16 Apr 2024 12:27

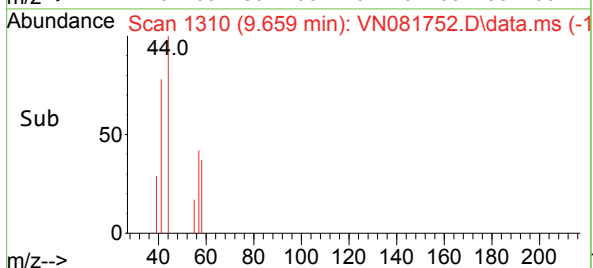
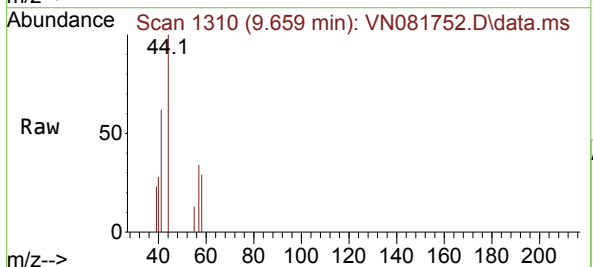
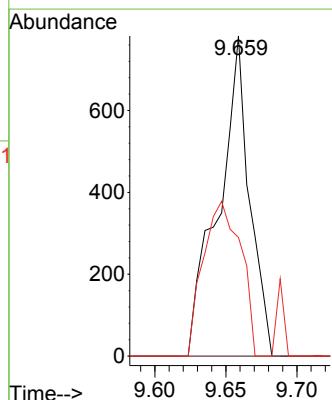
Tgt Ion: 41 Resp: 1185

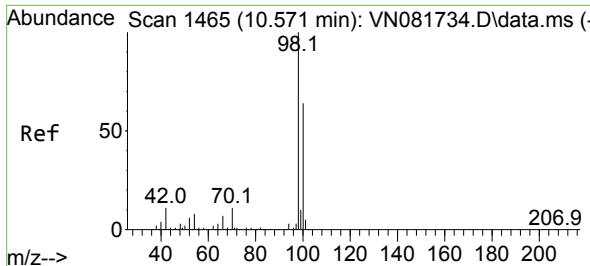
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 58.6 50.9 76.3

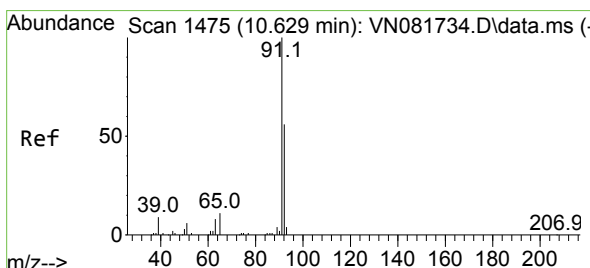
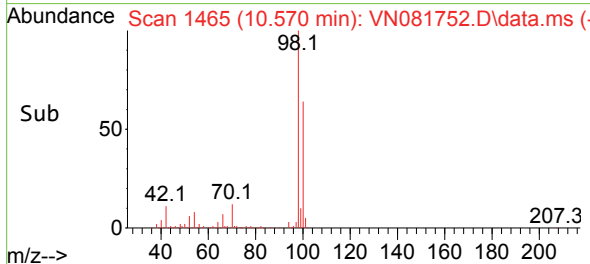
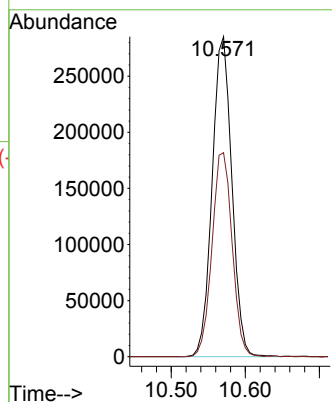
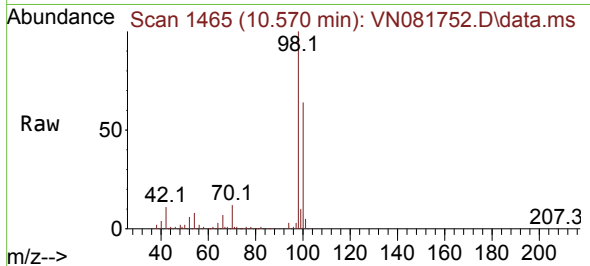




#50
Toluene-d8
Concen: 48.445 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN081752.D
Acq: 16 Apr 2024 12:27

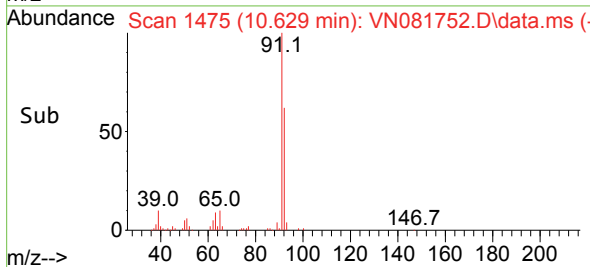
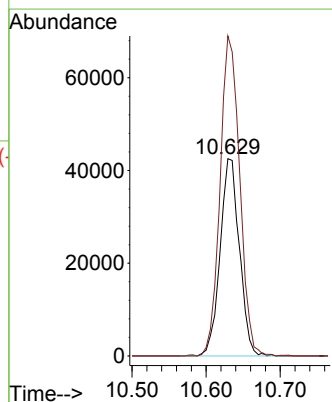
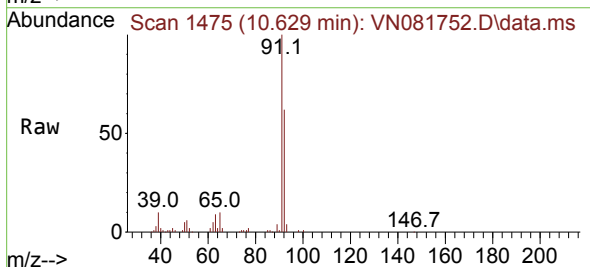
Instrument :
MSVOA_N
ClientSampleId :

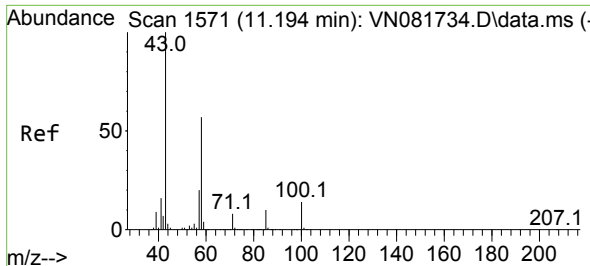
Tgt Ion: 98 Resp: 525836
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.6



#52
Toluene
Concen: 9.473 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081752.D
Acq: 16 Apr 2024 12:27

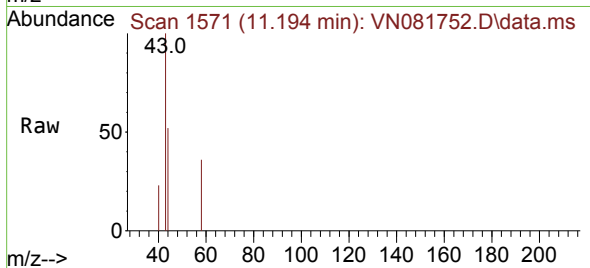
Tgt Ion: 92 Resp: 76948
Ion Ratio Lower Upper
92 100
91 164.8 136.7 205.1



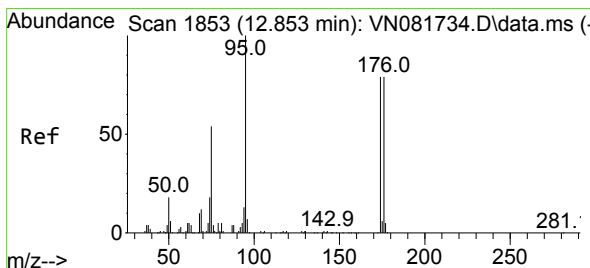
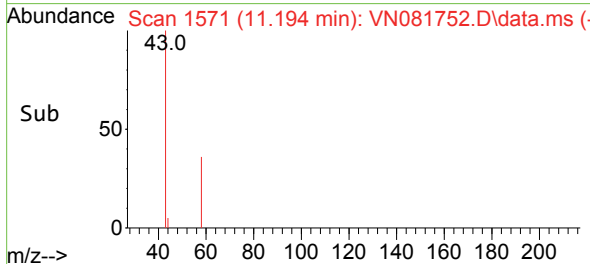
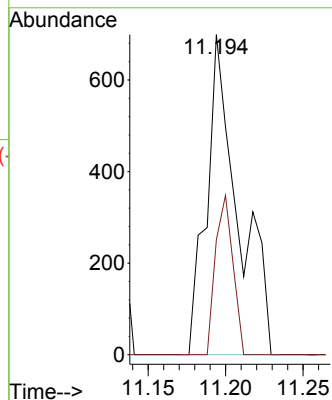


#59
2-Hexanone
Concen: 0.390 ug/l
RT: 11.194 min Scan# 111
Delta R.T. -0.000 min
Lab File: VN081752.D
Acq: 16 Apr 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :

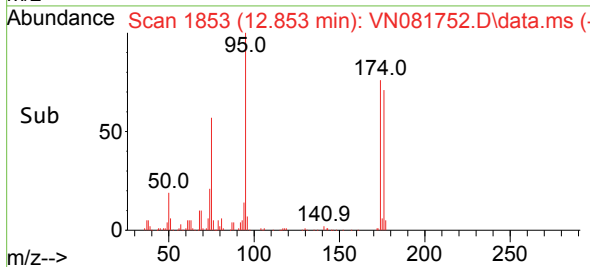
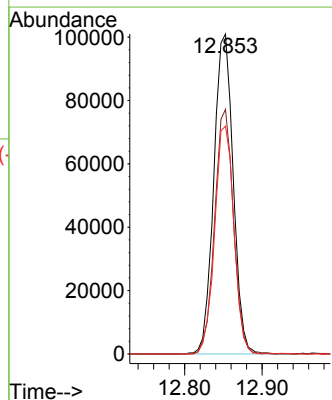
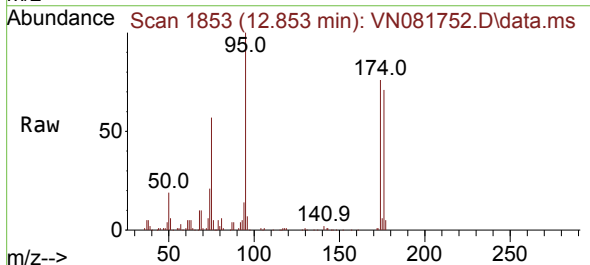


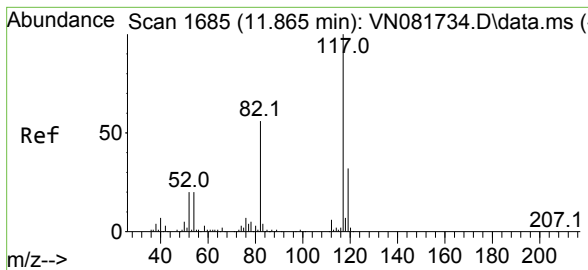
Tgt Ion: 43 Resp: 987
Ion Ratio Lower Upper
43 100
58 27.5 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 47.256 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN081752.D
Acq: 16 Apr 2024 12:27

Tgt Ion: 95 Resp: 175284
Ion Ratio Lower Upper
95 100
174 74.4 0.0 160.6
176 70.5 0.0 152.8

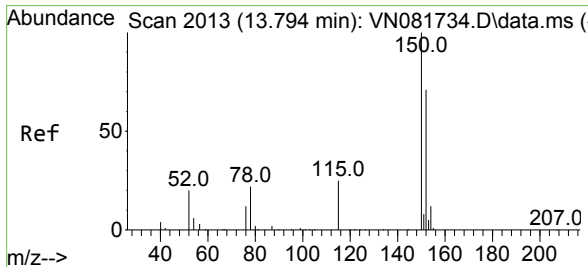
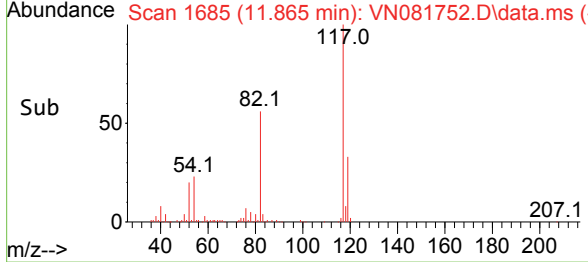
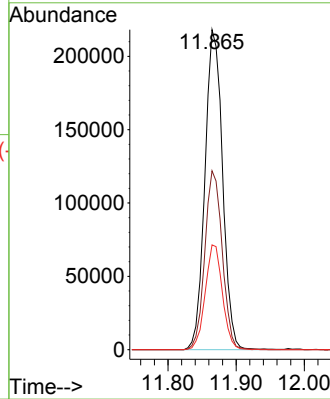
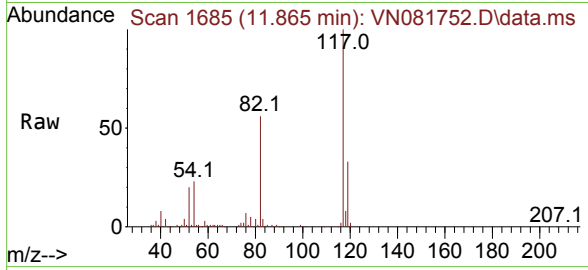




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN081752.D
Acq: 16 Apr 2024 12:27

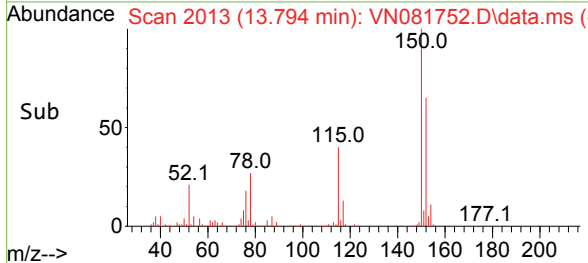
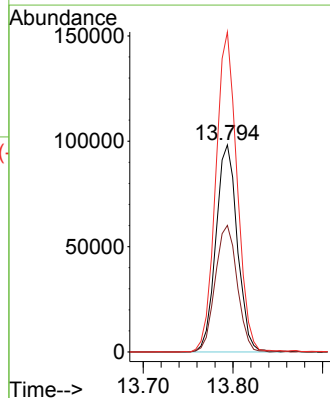
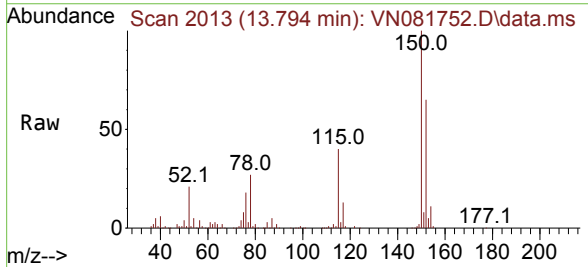
Instrument :
MSVOA_N
ClientSampleId :

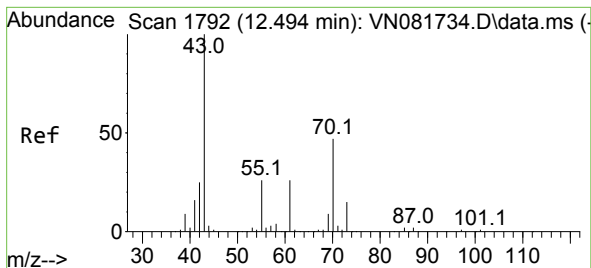
Tgt Ion:117 Resp: 392519
Ion Ratio Lower Upper
117 100
82 55.9 44.6 66.8
119 32.7 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081752.D
Acq: 16 Apr 2024 12:27

Tgt Ion:152 Resp: 162972
Ion Ratio Lower Upper
152 100
115 62.9 30.4 91.3
150 153.4 0.0 353.2





#74

N-amy1 acetate

Concen: 0.248 ug/l

RT: 12.464 min Scan# 1103

Delta R.T. -0.030 min

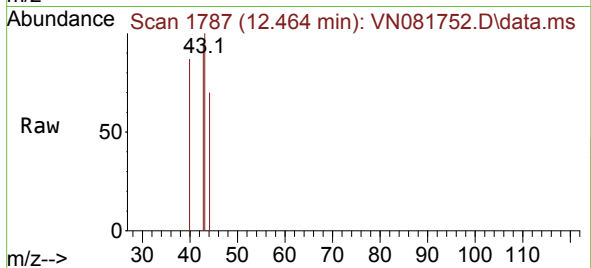
Lab File: VN081752.D

Acq: 16 Apr 2024 12:27

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1103

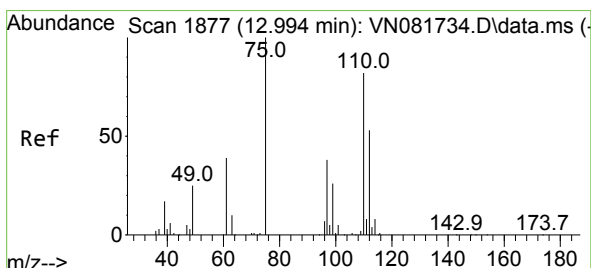
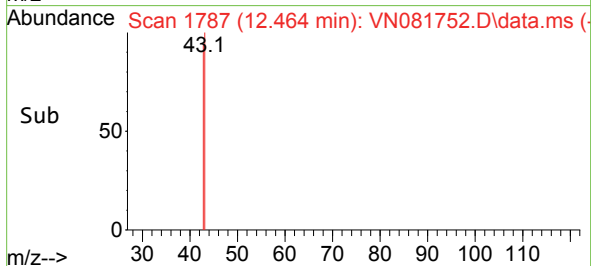
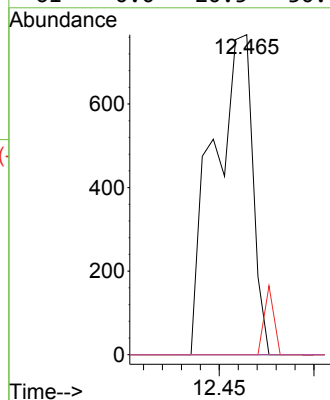
Ion Ratio Lower Upper

43 100

70 0.0 39.0 58.4#

55 5.3 21.3 31.9#

61 0.0 20.5 30.7#



#76

1,2,3-Trichloropropane

Concen: 30.588 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081752.D

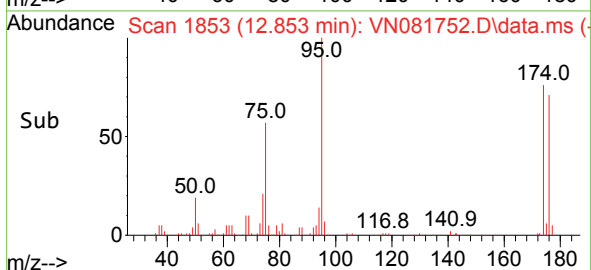
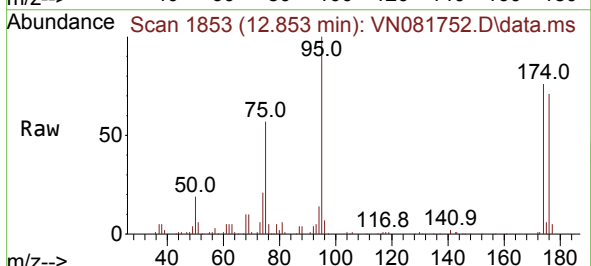
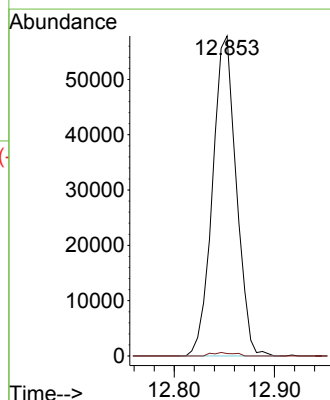
Acq: 16 Apr 2024 12:27

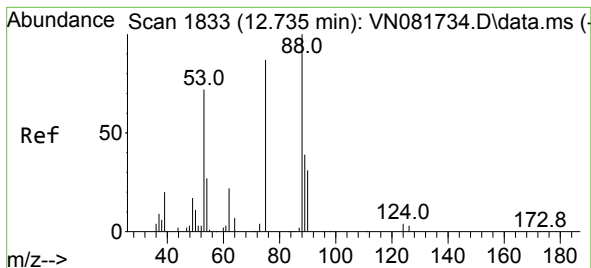
Tgt Ion: 75 Resp: 95038

Ion Ratio Lower Upper

75 100

77 1.1 90.5 271.3#

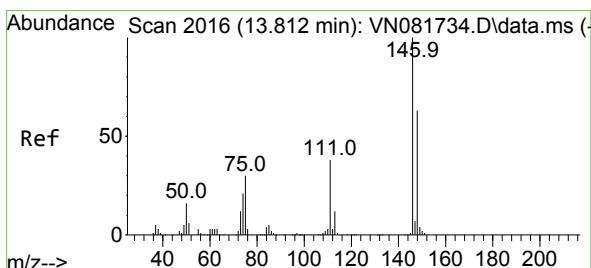
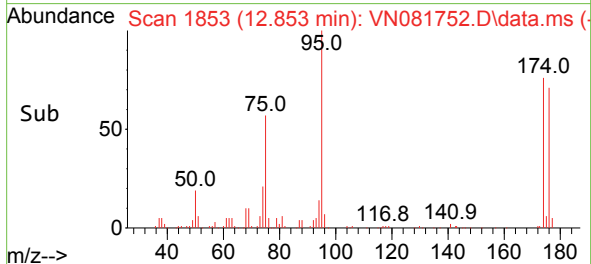
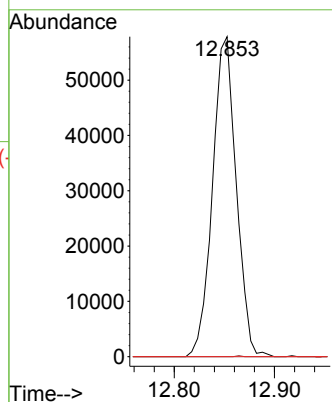
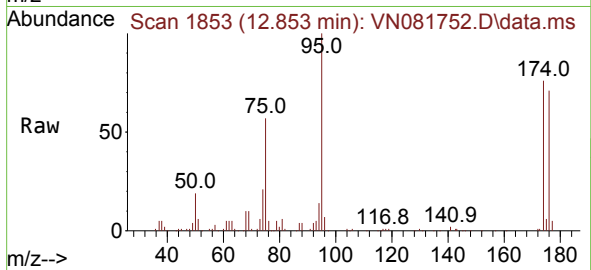




#81
trans-1,4-Dichloro-2-butene
Concen: 71.354 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN081752.D
Acq: 16 Apr 2024 12:27

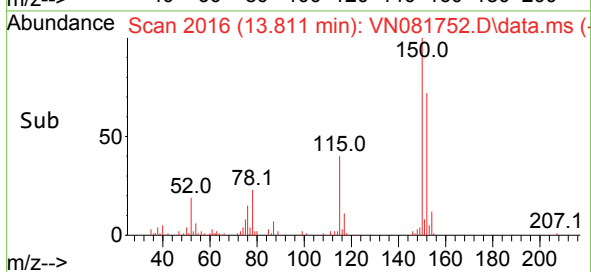
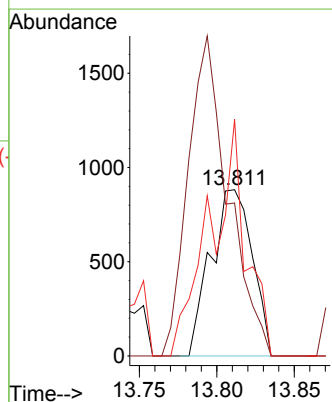
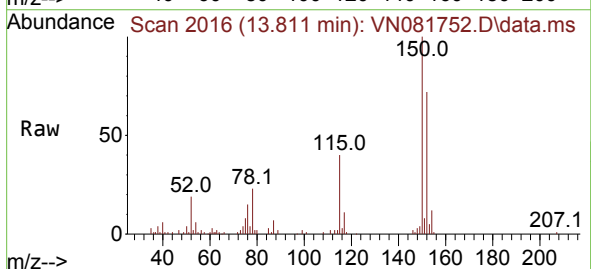
Instrument :
MSVOA_N
ClientSampleId :

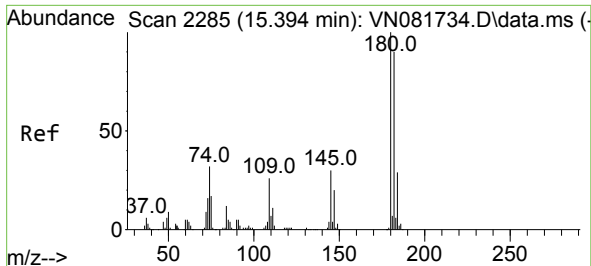
Tgt Ion: 75 Resp: 95038
Ion Ratio Lower Upper
75 100
53 0.1 72.9 109.3#
89 0.0 39.1 58.7#



#88
1,4-Dichlorobenzene
Concen: 0.276 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.001 min
Lab File: VN081752.D
Acq: 16 Apr 2024 12:27

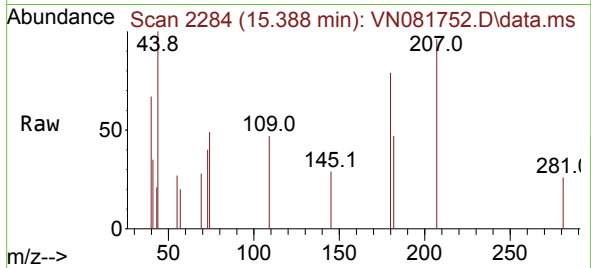
Tgt Ion:146 Resp: 1641
Ion Ratio Lower Upper
146 100
111 185.8 19.3 57.9#
148 122.5 31.3 93.9#



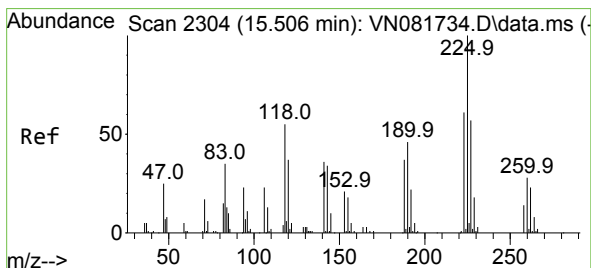
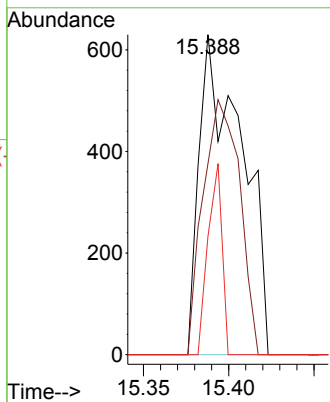
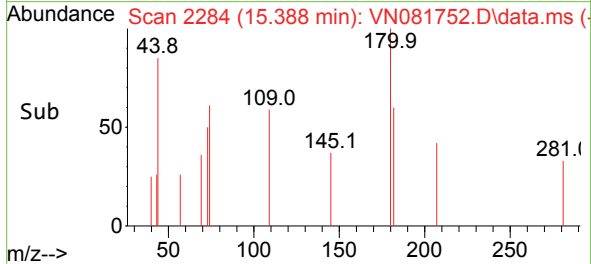


#93
1,2,4-Trichlorobenzene
Concen: 0.368 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN081752.D
Acq: 16 Apr 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :

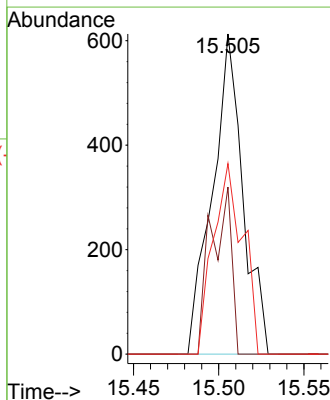
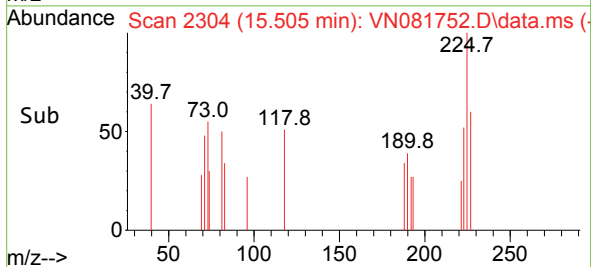
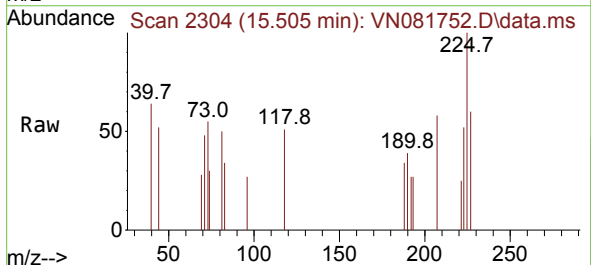


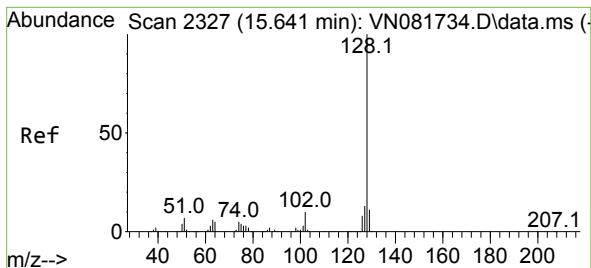
Tgt Ion:180 Resp: 1094
Ion Ratio Lower Upper
180 100
182 68.4 46.7 140.0
145 19.7 16.2 48.6



#94
Hexachlorobutadiene
Concen: 0.598 ug/l
RT: 15.505 min Scan# 2304
Delta R.T. -0.001 min
Lab File: VN081752.D
Acq: 16 Apr 2024 12:27

Tgt Ion:225 Resp: 765
Ion Ratio Lower Upper
225 100
223 35.3 31.1 93.2
227 57.8 30.6 91.6





#95

Naphthalene

Concen: 0.383 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

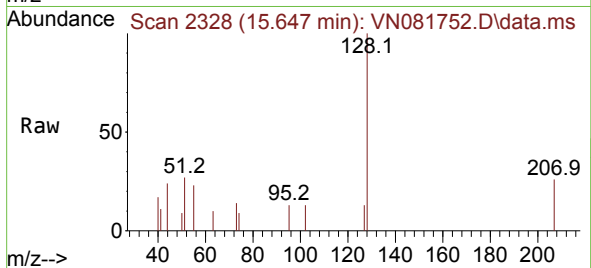
Lab File: VN081752.D

Acq: 16 Apr 2024 12:27

Instrument :

MSVOA_N

ClientSampleId :



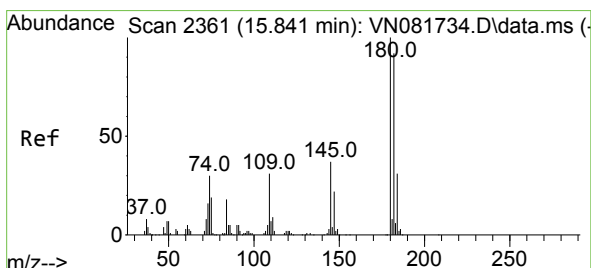
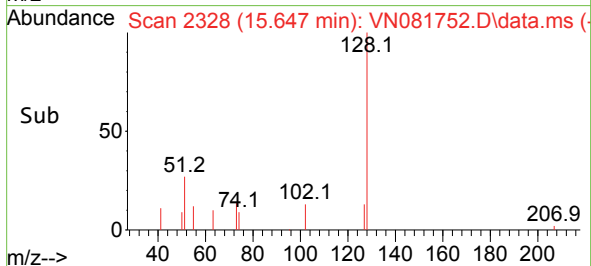
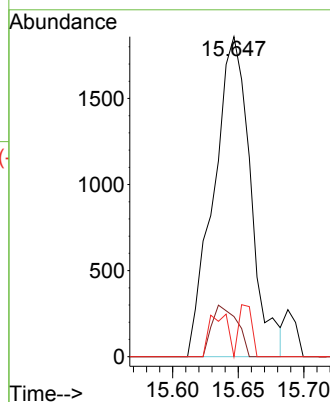
Tgt Ion:128 Resp: 3630

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

129 5.8 8.9 13.3#



#96

1,2,3-Trichlorobenzene

Concen: 0.343 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.006 min

Lab File: VN081752.D

Acq: 16 Apr 2024 12:27

Tgt Ion:180 Resp: 1040

Ion Ratio Lower Upper

180 100

182 109.0 46.0 137.8

145 13.1 17.1 51.3#

