

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020824\
 Data File : VN080956.D
 Acq On : 08 Feb 2024 12:10
 Operator : JC\MD
 Sample : P1373-05 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 09 01:19:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020624W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 07 06:22:23 2024
 Response via : Initial Calibration

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

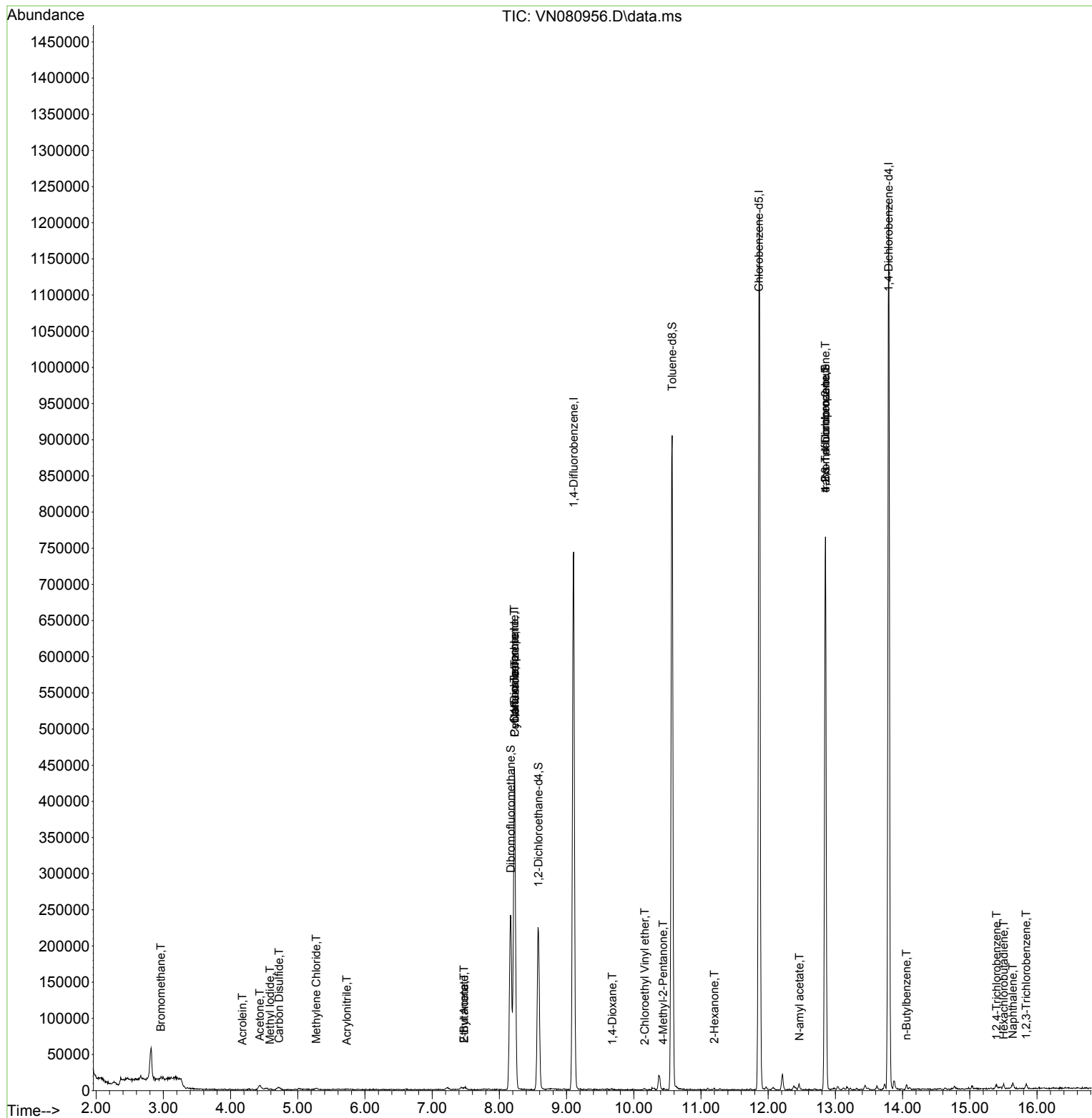
Internal Standards						
1) Pentafluorobenzene	8.230	168	305241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	659665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	720040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	317199	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	188055	48.837	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.680%
35) Dibromofluoromethane	8.171	113	174652	49.340	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.680%
50) Toluene-d8	10.571	98	645060	50.381	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.760%
62) 4-Bromofluorobenzene	12.853	95	259977	55.894	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	111.780%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	3809	Below Cal	#	67
5) Bromomethane	2.965	94	2401	0.826	ug/l	94
10) Methyl Iodide	4.589	142	1138	0.354	ug/l #	84
13) Acrolein	4.177	56	177	0.265	ug/l #	1
15) Acrylonitrile	5.730	53	929	0.641	ug/l #	46
16) Acetone	4.436	43	10961	8.652	ug/l	91
17) Carbon Disulfide	4.724	76	4897	0.593	ug/l #	78
18) Methyl Acetate	5.030	43	2322	Below Cal	#	61
20) Methylene Chloride	5.277	84	1014	0.264	ug/l #	57
25) 2-Butanone	7.477	43	5403	2.657	ug/l	100
31) Cyclohexane	8.230	56	8362	1.589	ug/l #	2
36) 1,1-Dichloropropene	8.224	75	27232	5.171	ug/l #	50
37) Ethyl Acetate	7.477	43	5403	1.356	ug/l #	76
38) Carbon Tetrachloride	8.224	117	35020	6.487	ug/l #	17
49) 1,4-Dioxane	9.682	88	66	0.866	ug/l #	1
51) 4-Methyl-2-Pentanone	10.435	43	996	0.226	ug/l #	38
58) 2-Chloroethyl Vinyl ether	10.165	63	775	0.257	ug/l #	72
59) 2-Hexanone	11.200	43	704	0.210	ug/l	100
74) N-amyl acetate	12.465	43	4963	0.558	ug/l #	48
76) 1,2,3-Trichloropropane	12.853	75	146586	22.665	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	146586	61.578	ug/l #	14
89) n-Butylbenzene	14.059	91	3976	0.232	ug/l	91
93) 1,2,4-Trichlorobenzene	15.400	180	1978	0.377	ug/l	94
94) Hexachlorobutadiene	15.506	225	1082	0.475	ug/l #	74
95) Naphthalene	15.641	128	5139	0.296	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.841	180	1964	0.380	ug/l #	53

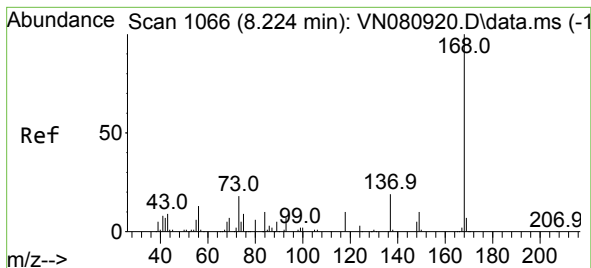
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 07 06:22:23 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080956.D

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Instrument :

MSVOA_N

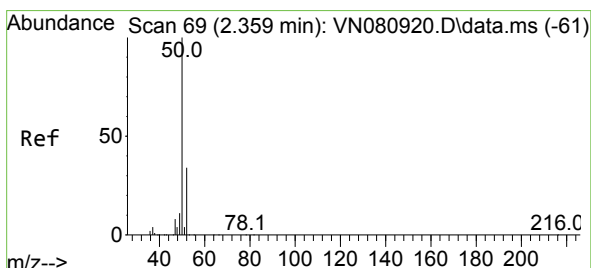
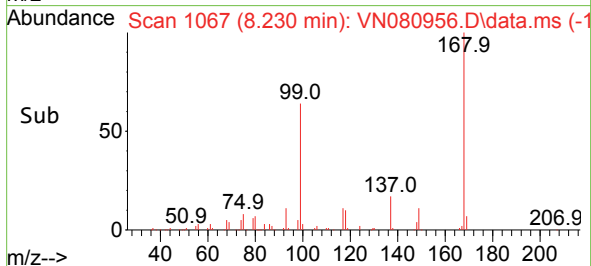
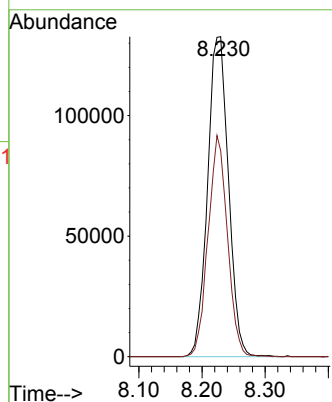
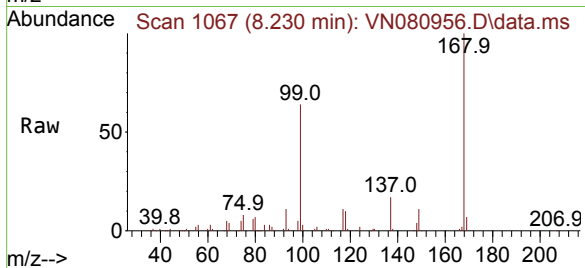
ClientSampleId :

Tgt Ion:168 Resp: 305241

Ion Ratio Lower Upper

168 100

99 64.4 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN080956.D

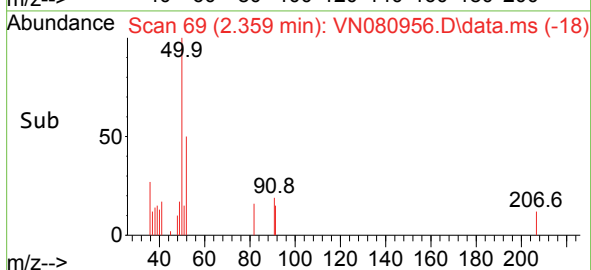
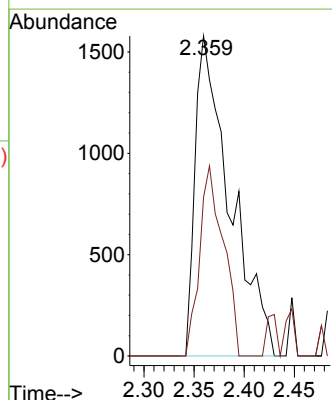
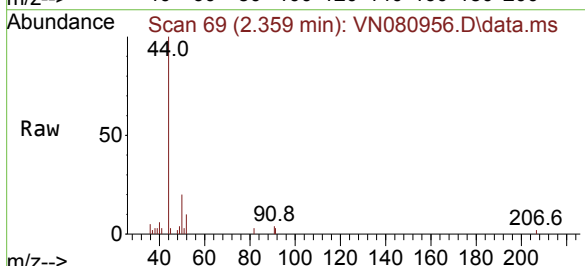
Acq: 08 Feb 2024 12:10

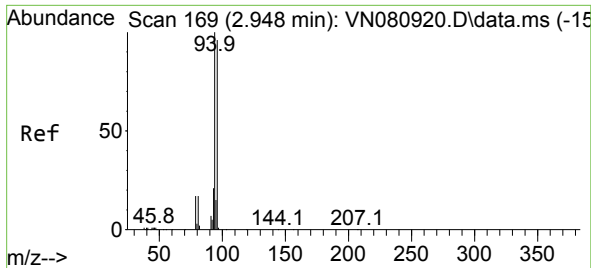
Tgt Ion: 50 Resp: 3809

Ion Ratio Lower Upper

50 100

52 49.6 25.0 37.4#





#5

Bromomethane

Concen: 0.826 ug/l

RT: 2.965 min Scan# 1

Delta R.T. 0.018 min

Lab File: VN080956.D

Acq: 08 Feb 2024 12:10

Instrument :

MSVOA_N

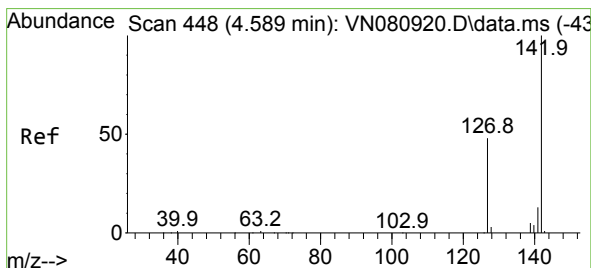
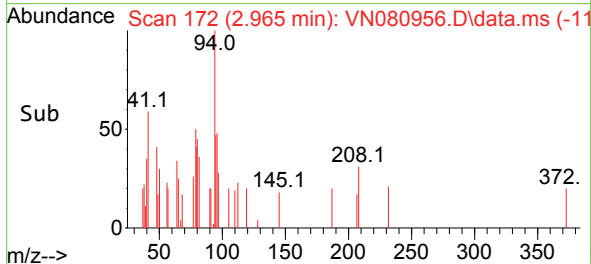
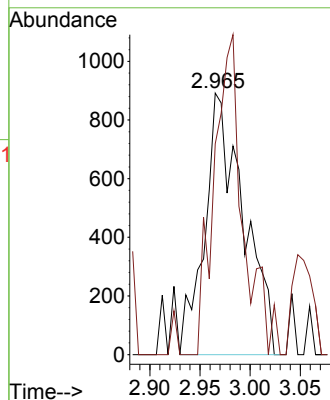
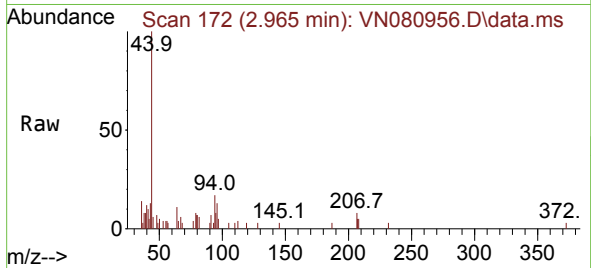
ClientSampleId :

Tgt Ion: 94 Resp: 2401

Ion Ratio Lower Upper

94 100

96 80.6 69.2 103.8



#10

Methyl Iodide

Concen: 0.354 ug/l

RT: 4.589 min Scan# 448

Delta R.T. -0.000 min

Lab File: VN080956.D

Acq: 08 Feb 2024 12:10

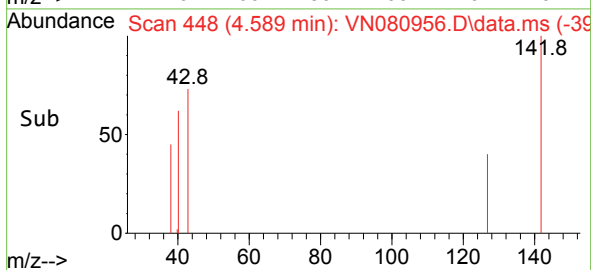
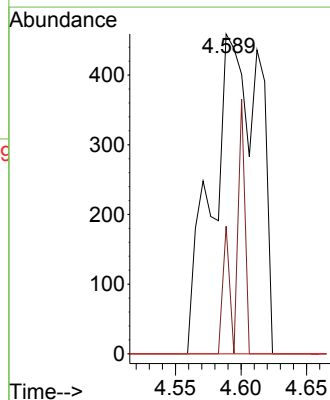
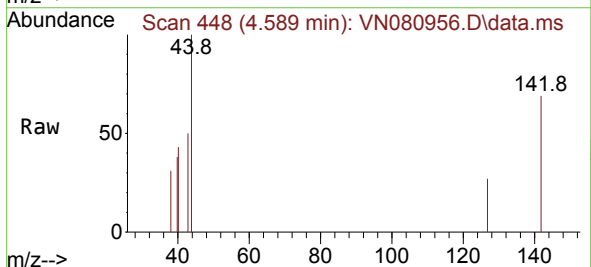
Tgt Ion:142 Resp: 1138

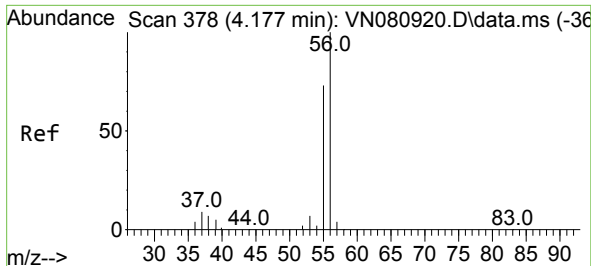
Ion Ratio Lower Upper

142 100

127 39.9 37.0 55.4

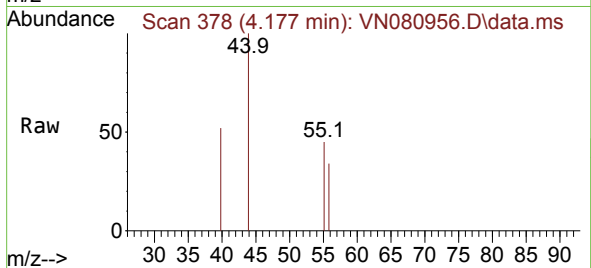
141 0.0 12.5 18.7#



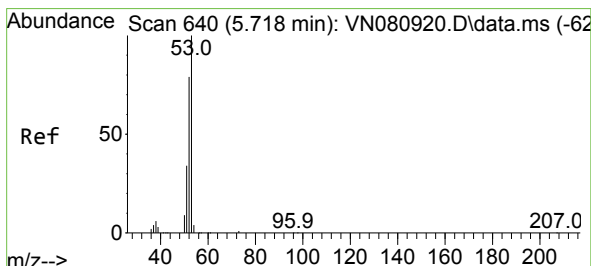
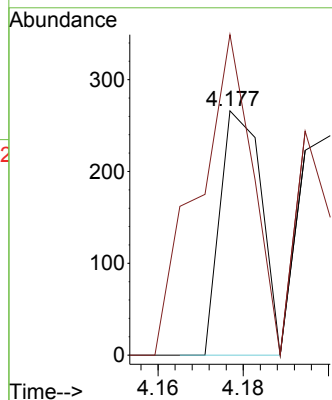
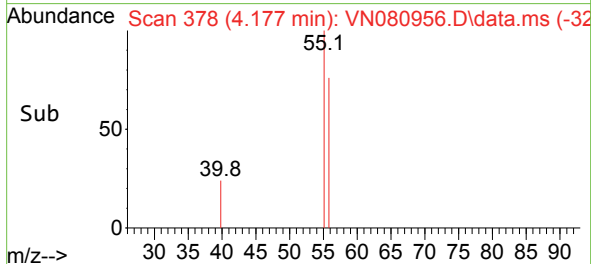


#13
Acrolein
Concen: 0.265 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN080956.D
Acq: 08 Feb 2024 12:10

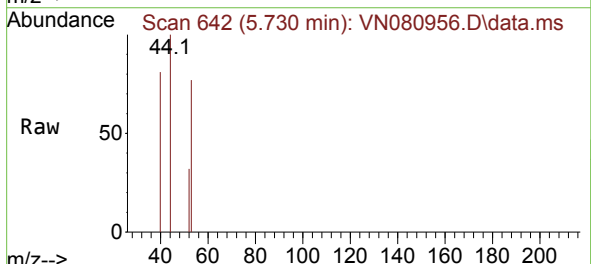
Instrument :
MSVOA_N
ClientSampleId :



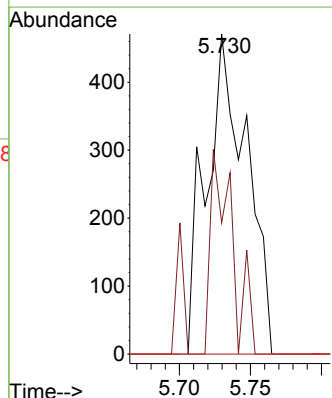
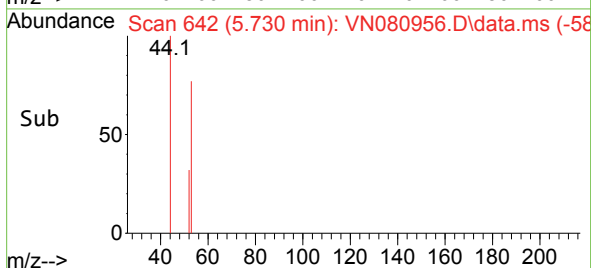
Tgt Ion: 56 Resp: 177
Ion Ratio Lower Upper
56 100
55 174.6 55.3 82.9#

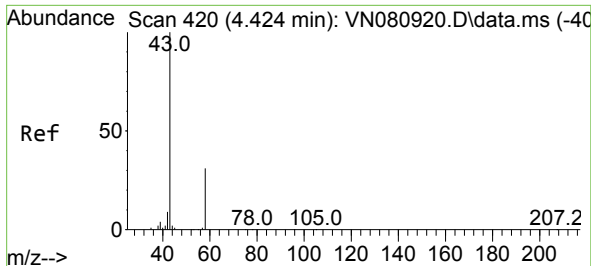


#15
Acrylonitrile
Concen: 0.641 ug/l
RT: 5.730 min Scan# 642
Delta R.T. 0.012 min
Lab File: VN080956.D
Acq: 08 Feb 2024 12:10



Tgt Ion: 53 Resp: 929
Ion Ratio Lower Upper
53 100
52 34.8 64.8 97.2#
51 0.0 26.9 40.3#





#16

Acetone

Concen: 8.652 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.012 min

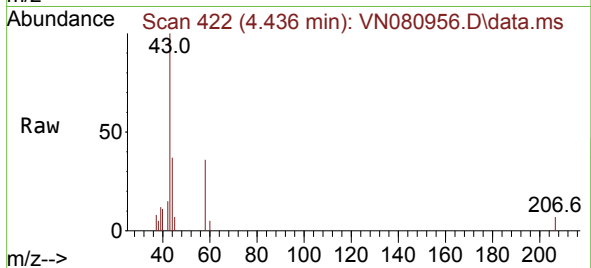
Lab File: VN080956.D

Acq: 08 Feb 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

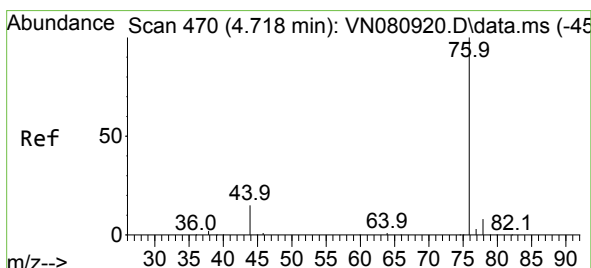
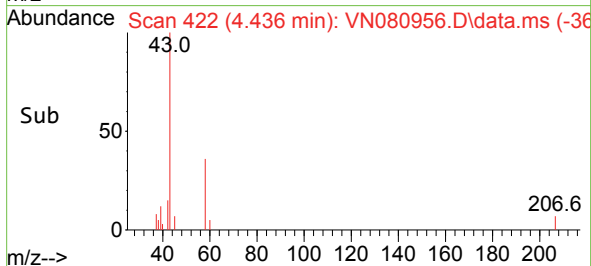
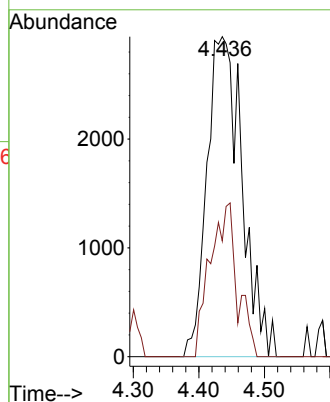


Tgt Ion: 43 Resp: 10961

Ion Ratio Lower Upper

43 100

58 36.1 24.8 37.2



#17

Carbon Disulfide

Concen: 0.593 ug/l

RT: 4.724 min Scan# 471

Delta R.T. 0.006 min

Lab File: VN080956.D

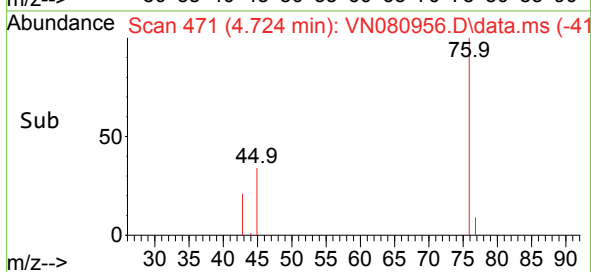
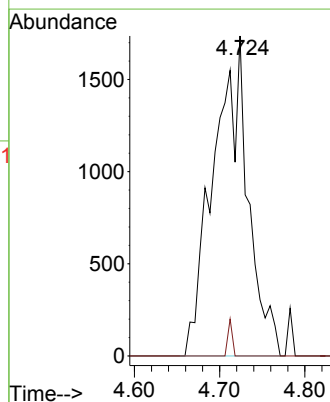
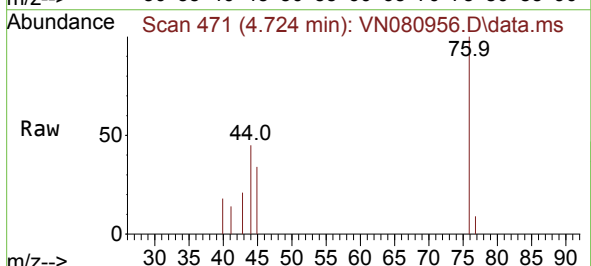
Acq: 08 Feb 2024 12:10

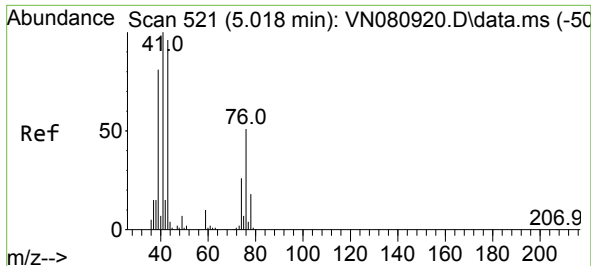
Tgt Ion: 76 Resp: 4897

Ion Ratio Lower Upper

76 100

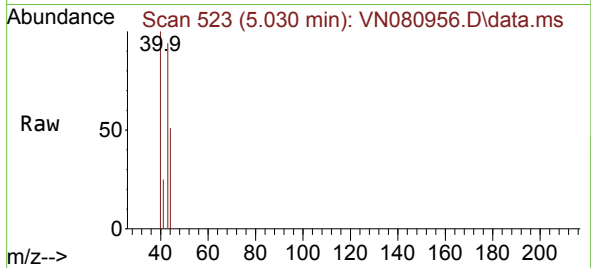
78 0.0 6.3 9.5#



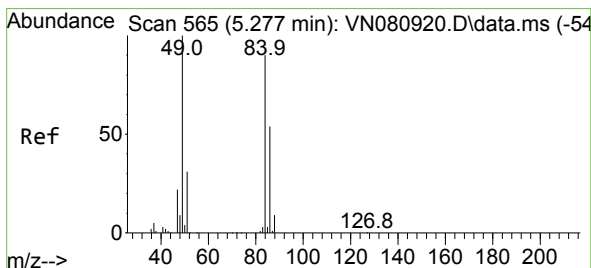
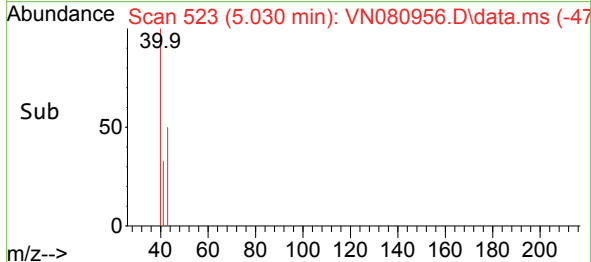
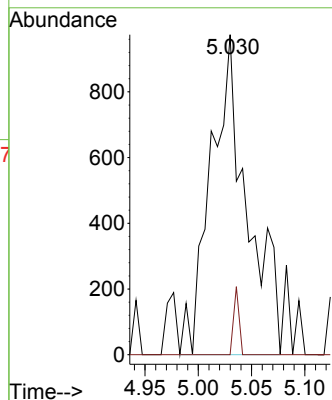


#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080956.D
Acq: 08 Feb 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :

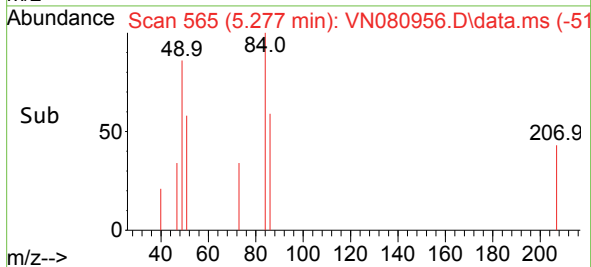
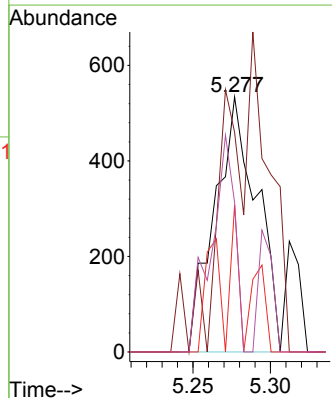
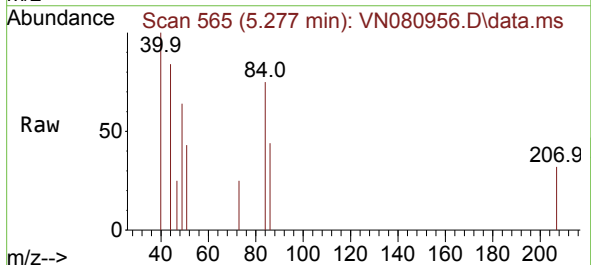


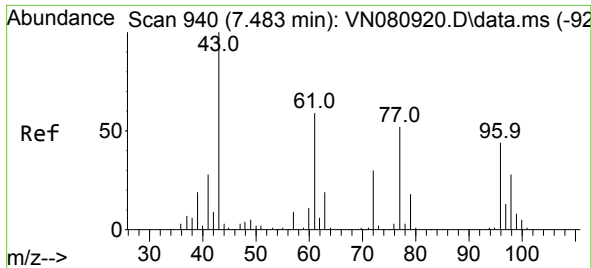
Tgt Ion: 43 Resp: 2322
Ion Ratio Lower Upper
43 100
74 3.1 17.3 25.9#



#20
Methylene Chloride
Concen: 0.264 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN080956.D
Acq: 08 Feb 2024 12:10

Tgt Ion: 84 Resp: 1014
Ion Ratio Lower Upper
84 100
49 55.4 108.1 162.1#
51 57.7 32.9 49.3#
86 58.6 48.6 73.0

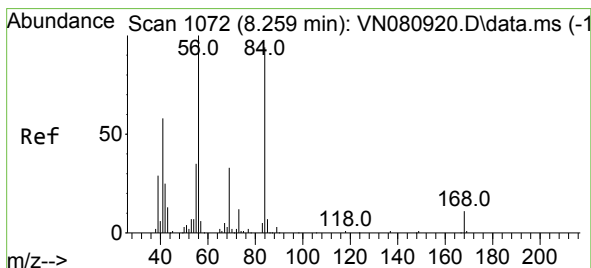
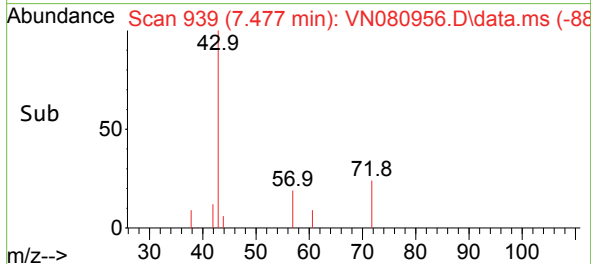
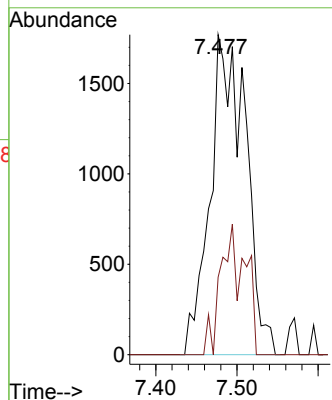
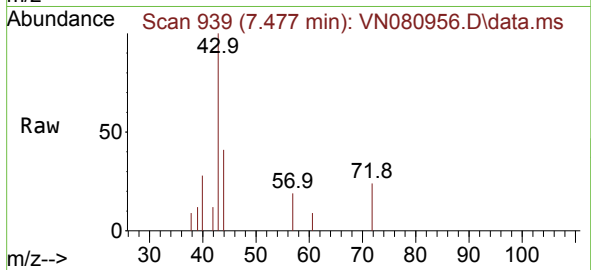




#25
2-Butanone
Concen: 2.657 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN080956.D
Acq: 08 Feb 2024 12:10

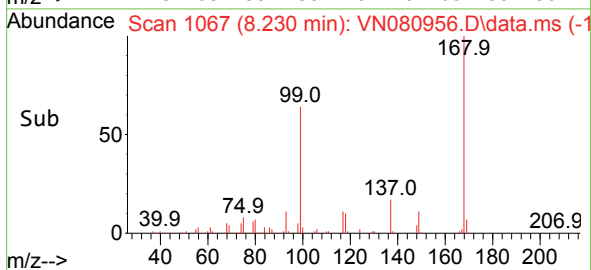
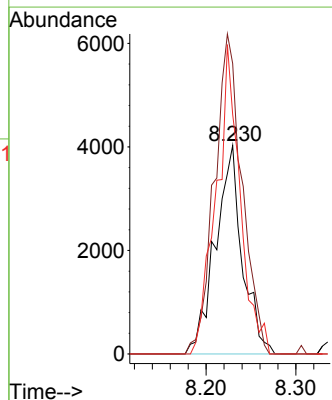
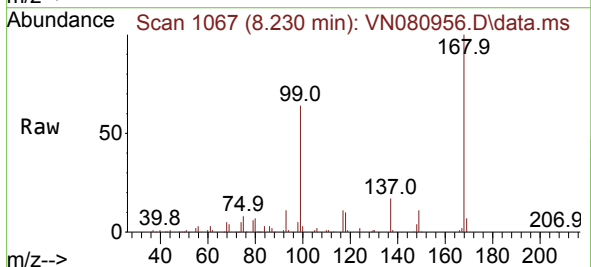
Instrument :
MSVOA_N
ClientSampleId :

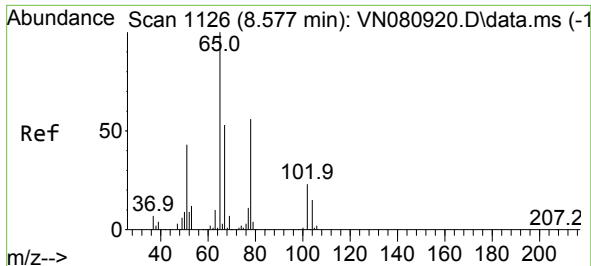
Tgt Ion: 43 Resp: 5403
Ion Ratio Lower Upper
43 100
72 24.2 19.5 29.3



#31
Cyclohexane
Concen: 1.589 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN080956.D
Acq: 08 Feb 2024 12:10

Tgt Ion: 56 Resp: 8362
Ion Ratio Lower Upper
56 100
69 139.2 20.1 30.1#
84 114.8 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 48.837 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080956.D

Acq: 08 Feb 2024 12:10

Instrument :

MSVOA_N

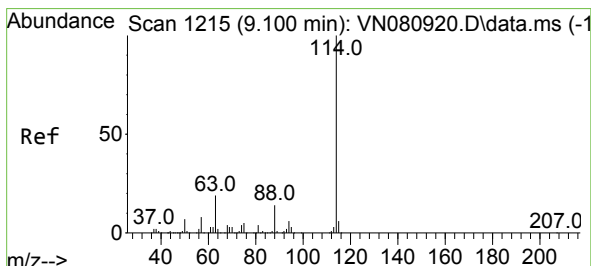
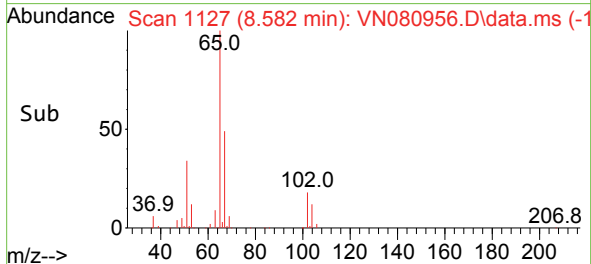
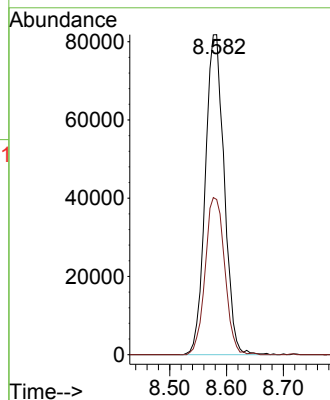
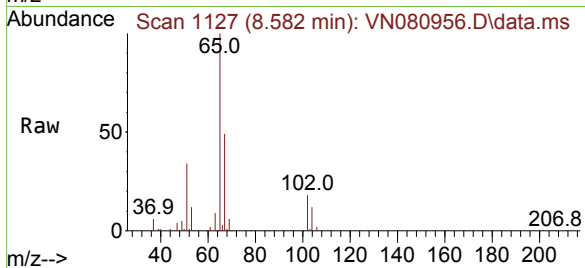
ClientSampleId :

Tgt Ion: 65 Resp: 188055

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN080956.D

Acq: 08 Feb 2024 12:10

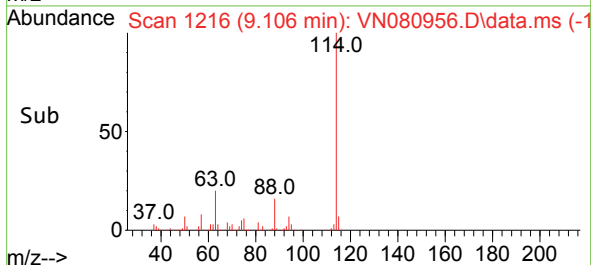
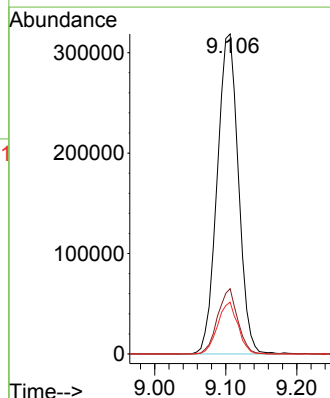
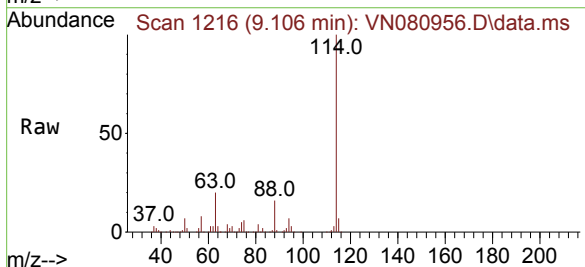
Tgt Ion: 114 Resp: 659665

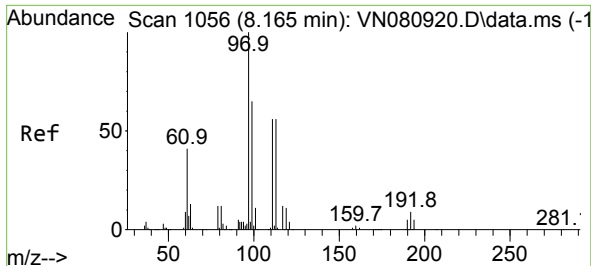
Ion Ratio Lower Upper

114 100

63 20.4 0.0 48.0

88 16.2 0.0 34.8

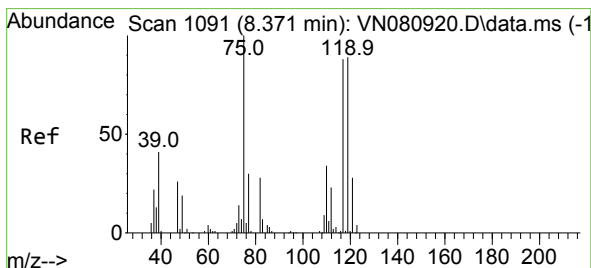
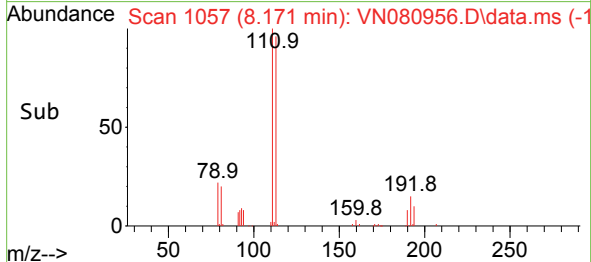
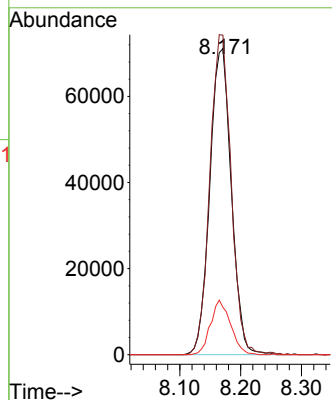
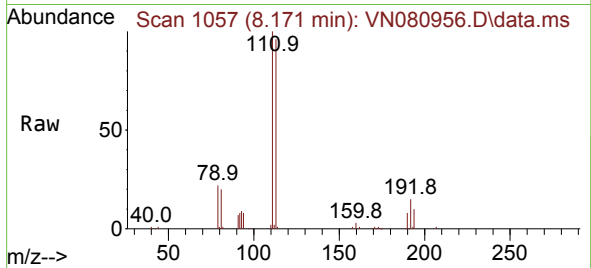




#35
Dibromofluoromethane
Concen: 49.340 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN080956.D
Acq: 08 Feb 2024 12:10

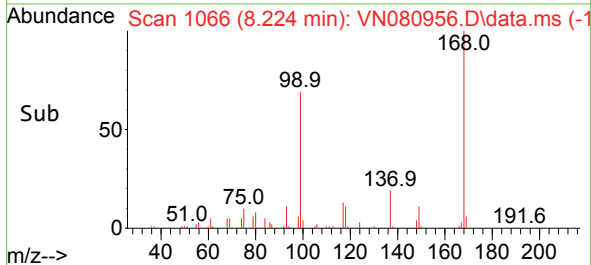
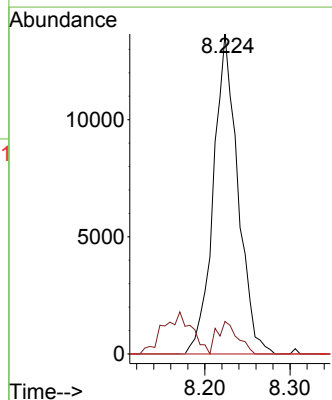
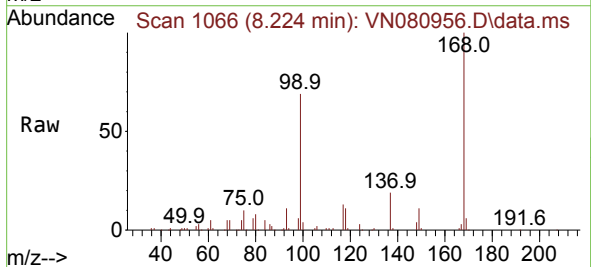
Instrument :
MSVOA_N
ClientSampleId :

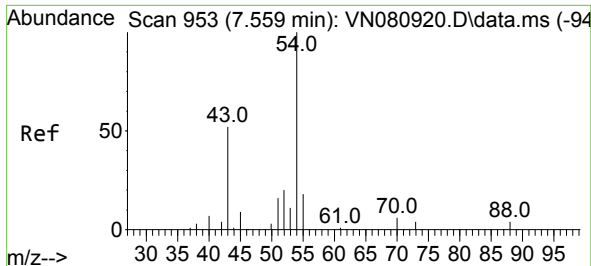
Tgt Ion:113 Resp: 174652
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.4
192 16.6 12.5 18.7



#36
1,1-Dichloropropene
Concen: 5.171 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080956.D
Acq: 08 Feb 2024 12:10

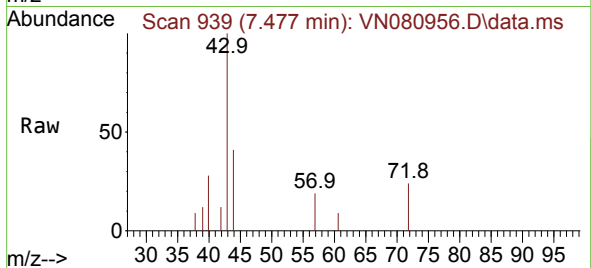
Tgt Ion: 75 Resp: 27232
Ion Ratio Lower Upper
75 100
110 8.5 16.0 48.0#
77 0.0 25.8 38.6#



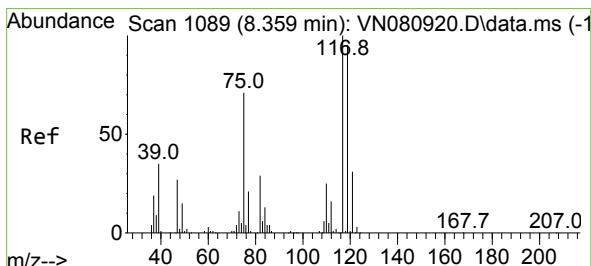
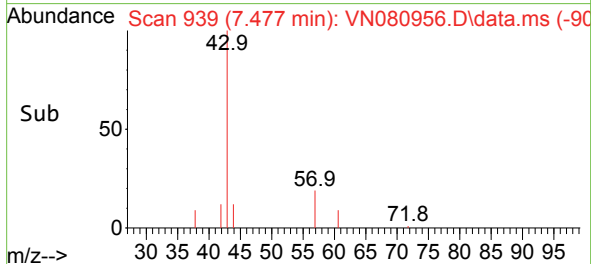
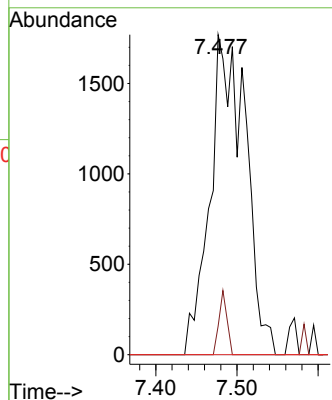


#37
Ethyl Acetate
Concen: 1.356 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.082 min
Lab File: VN080956.D
Acq: 08 Feb 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :

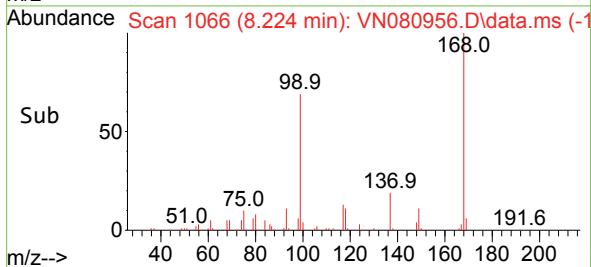
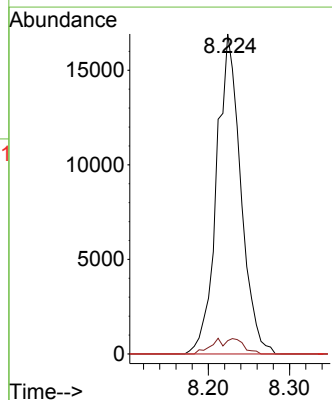
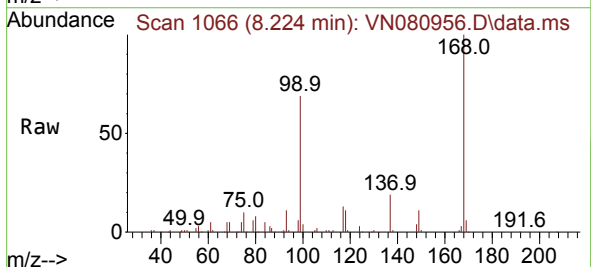


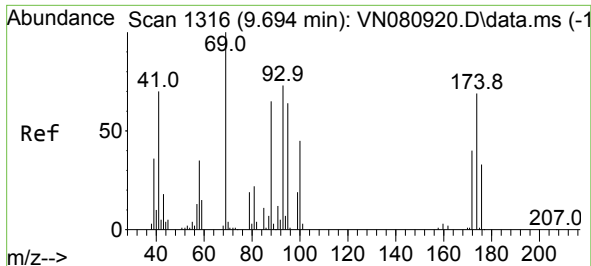
Tgt Ion: 43 Resp: 5403
Ion Ratio Lower Upper
43 100
61 4.5 10.6 15.8#
70 0.0 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 6.487 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN080956.D
Acq: 08 Feb 2024 12:10

Tgt Ion: 117 Resp: 35020
Ion Ratio Lower Upper
117 100
119 4.2 73.4 110.2#
121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 0.866 ug/l

RT: 9.682 min Scan# 11

Delta R.T. -0.012 min

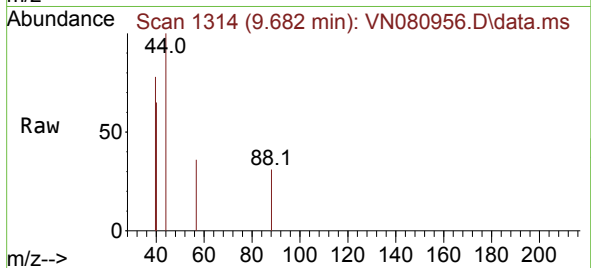
Lab File: VN080956.D

Acq: 08 Feb 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :



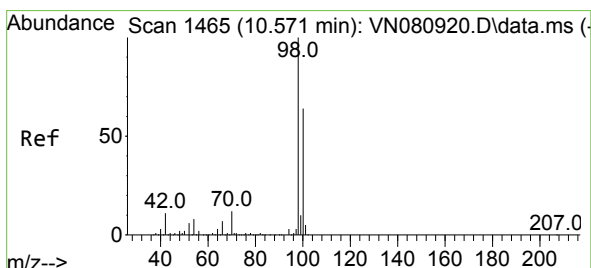
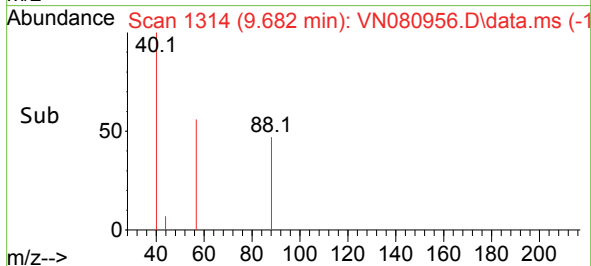
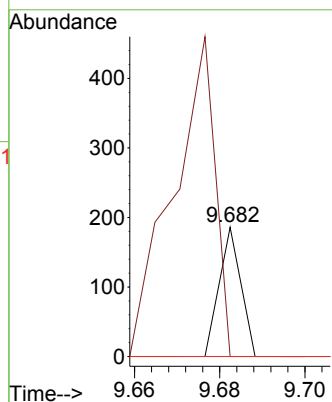
Tgt Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

43 478.8 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 50.381 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN080956.D

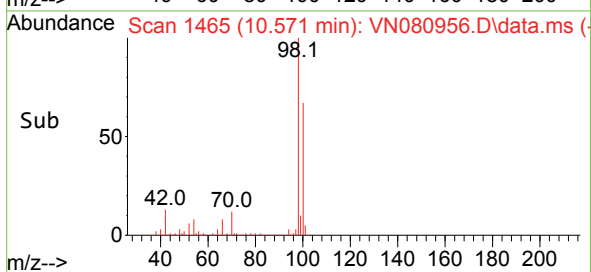
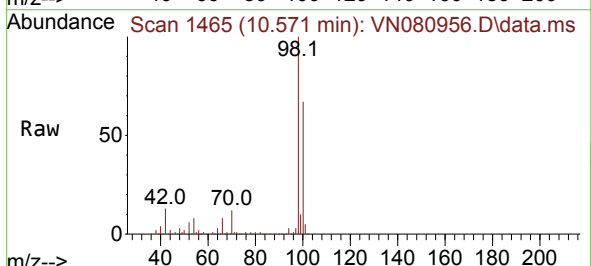
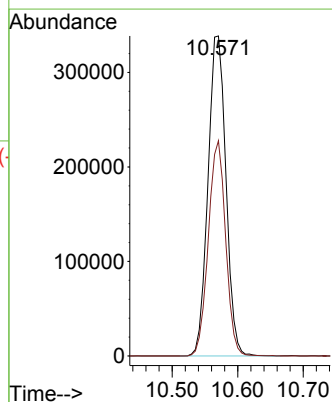
Acq: 08 Feb 2024 12:10

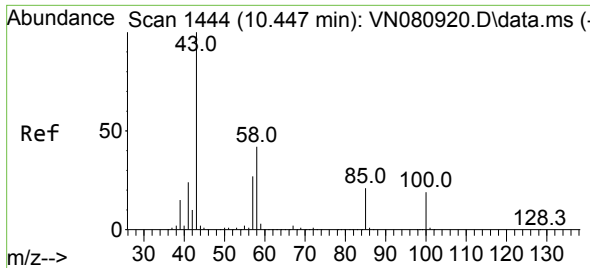
Tgt Ion: 98 Resp: 645060

Ion Ratio Lower Upper

98 100

100 64.7 51.4 77.0

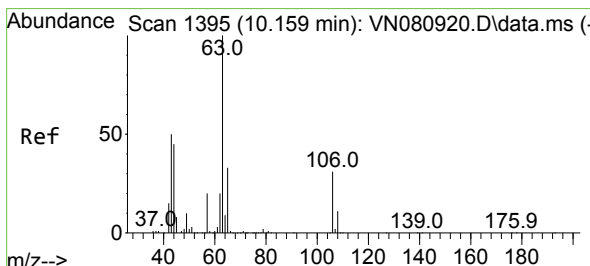
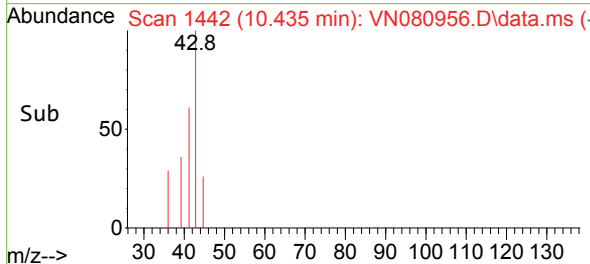
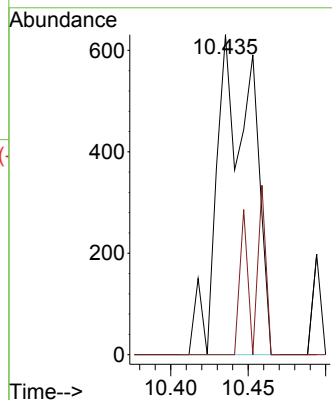
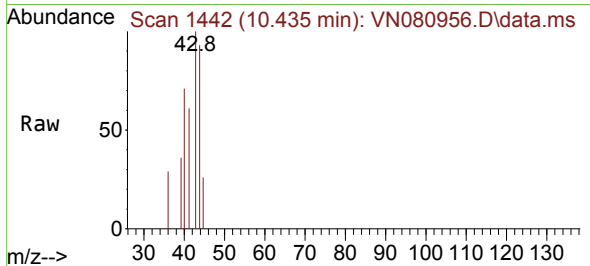




#51
4-Methyl-2-Pentanone
Concen: 0.226 ug/l
RT: 10.435 min Scan# 1444
Delta R.T. -0.012 min
Lab File: VN080956.D
Acq: 08 Feb 2024 12:10

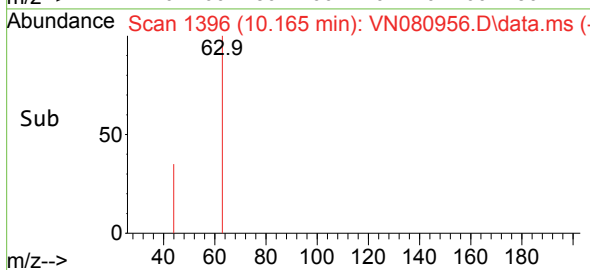
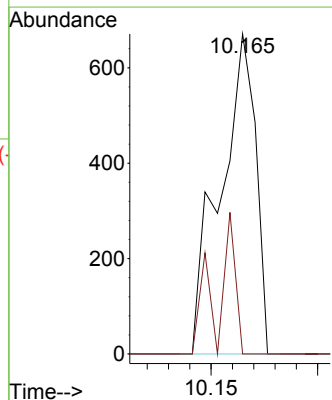
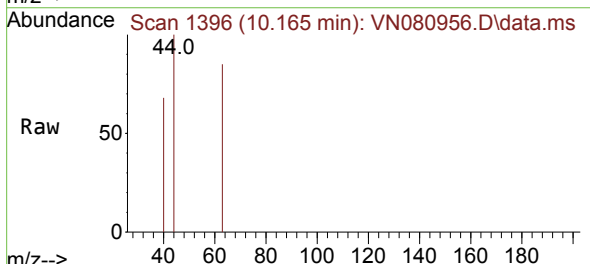
Instrument :
MSVOA_N
ClientSampleId :

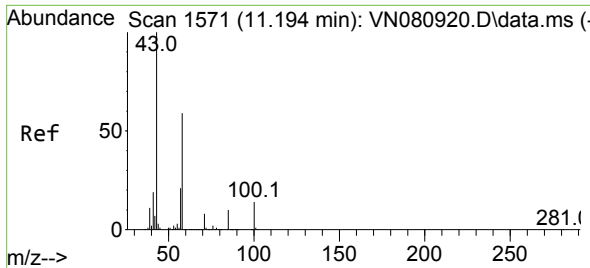
Tgt Ion: 43 Resp: 996
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#



#58
2-Chloroethyl Vinyl ether
Concen: 0.257 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.006 min
Lab File: VN080956.D
Acq: 08 Feb 2024 12:10

Tgt Ion: 63 Resp: 775
Ion Ratio Lower Upper
63 100
106 9.7 18.6 28.0#

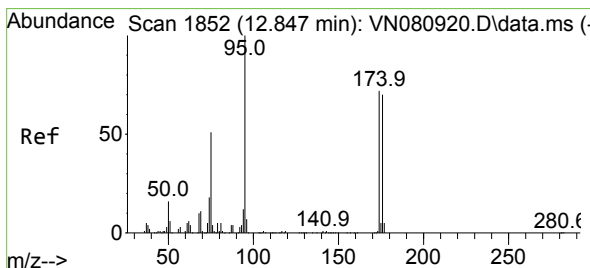
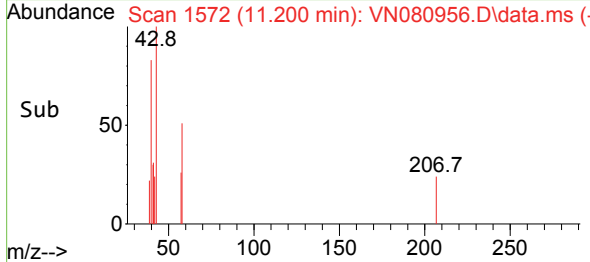
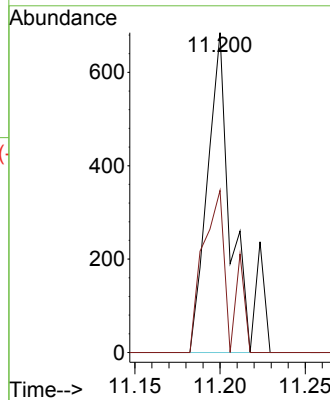
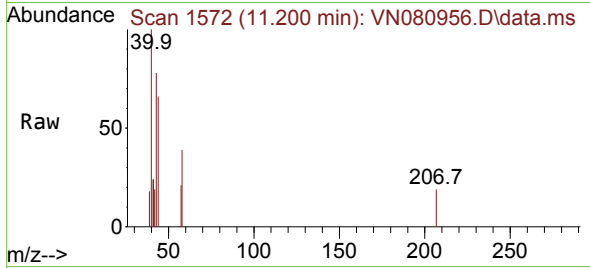




#59
2-Hexanone
Concen: 0.210 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080956.D
Acq: 08 Feb 2024 12:10

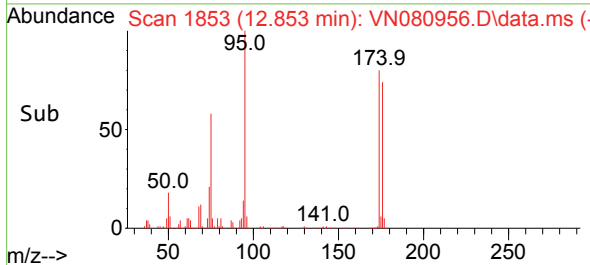
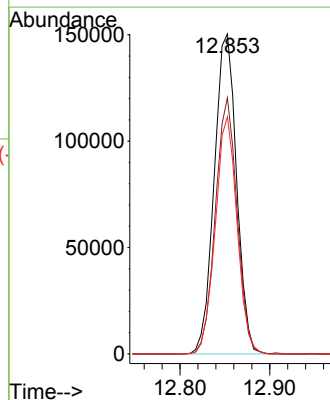
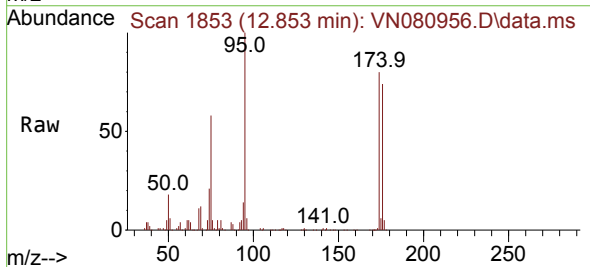
Instrument :
MSVOA_N
ClientSampleId :

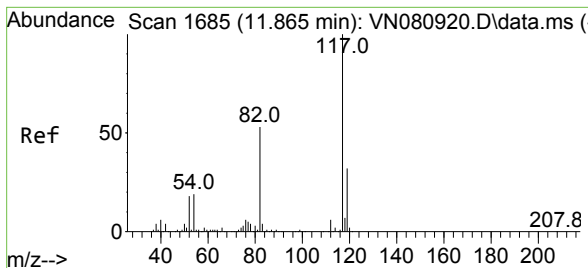
Tgt Ion: 43 Resp: 704
Ion Ratio Lower Upper
43 100
58 52.1 25.9 77.8



#62
4-Bromofluorobenzene
Concen: 55.894 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080956.D
Acq: 08 Feb 2024 12:10

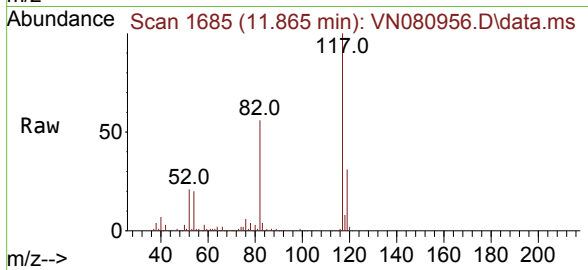
Tgt Ion: 95 Resp: 259977
Ion Ratio Lower Upper
95 100
174 77.8 0.0 120.4
176 72.2 0.0 121.0



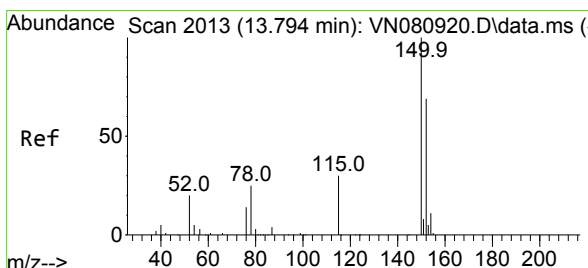
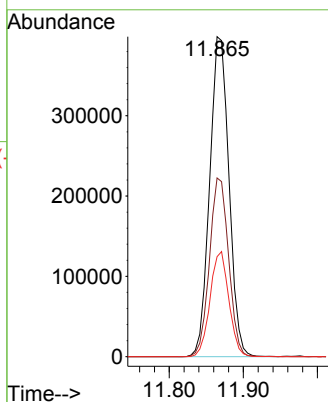
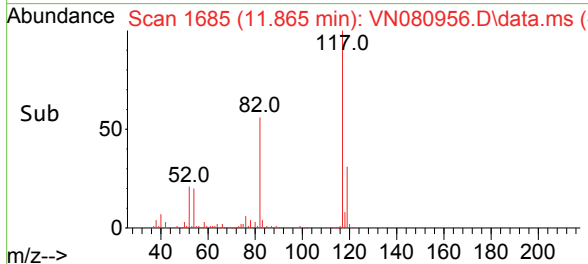


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN080956.D
Acq: 08 Feb 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :

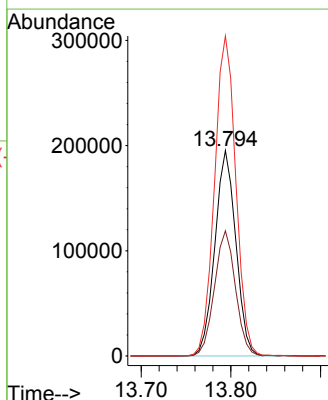
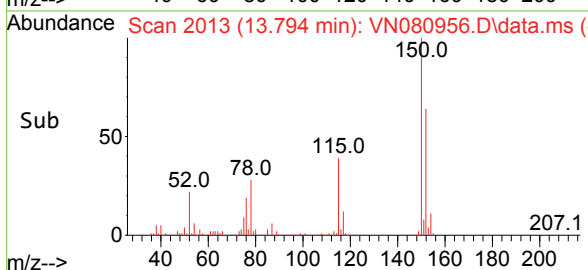
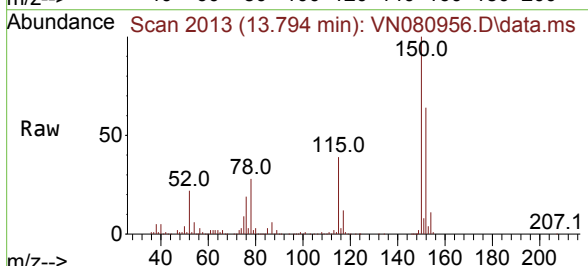


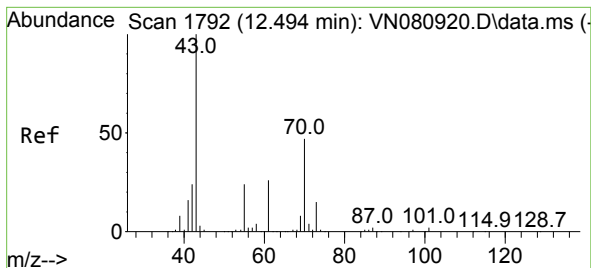
Tgt Ion:117 Resp: 720040
Ion Ratio Lower Upper
117 100
82 55.8 52.7 79.1
119 31.2 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080956.D
Acq: 08 Feb 2024 12:10

Tgt Ion:152 Resp: 317199
Ion Ratio Lower Upper
152 100
115 61.2 32.3 96.8
150 157.9 0.0 339.8





#74

N-amy1 acetate

Concen: 0.558 ug/l

RT: 12.465 min Scan# 1

Delta R.T. -0.030 min

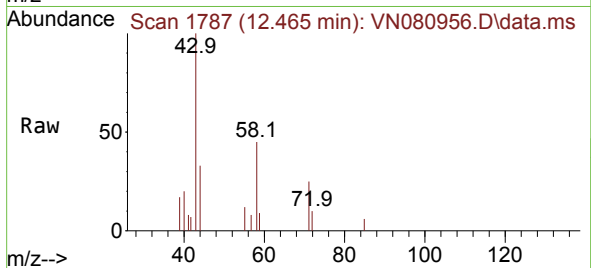
Lab File: VN080956.D

Acq: 08 Feb 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 4963

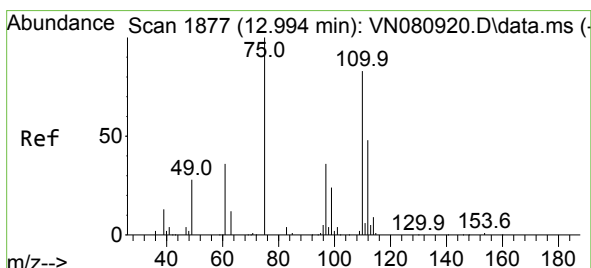
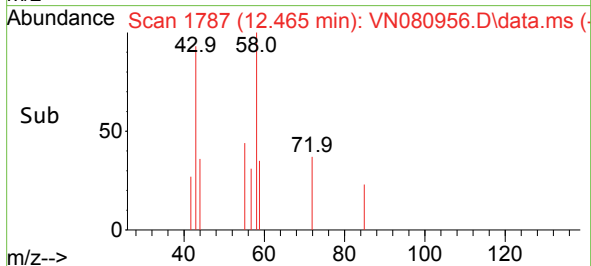
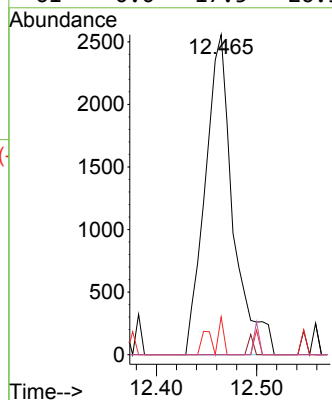
Ion Ratio Lower Upper

43 100

70 0.0 30.1 45.1#

55 2.6 17.0 25.4#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 22.665 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080956.D

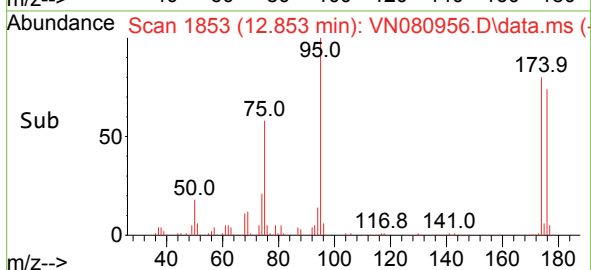
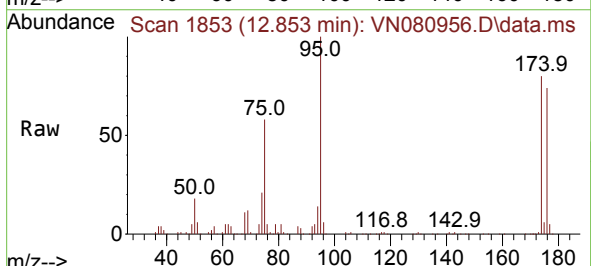
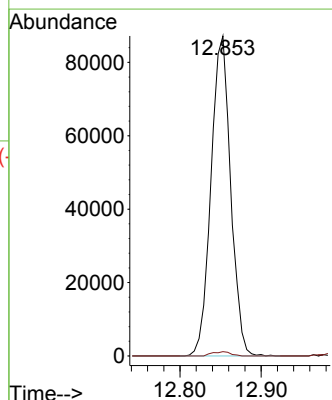
Acq: 08 Feb 2024 12:10

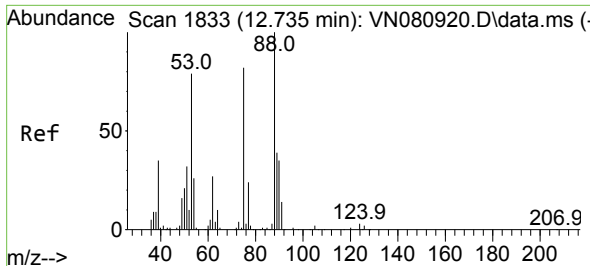
Tgt Ion: 75 Resp: 146586

Ion Ratio Lower Upper

75 100

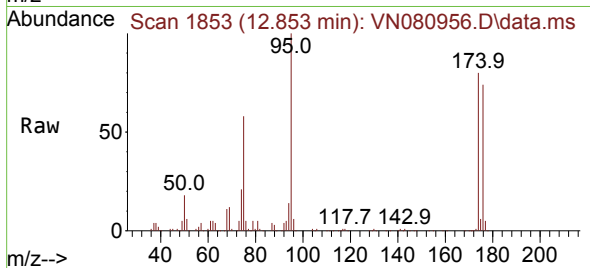
77 1.2 91.0 272.8#



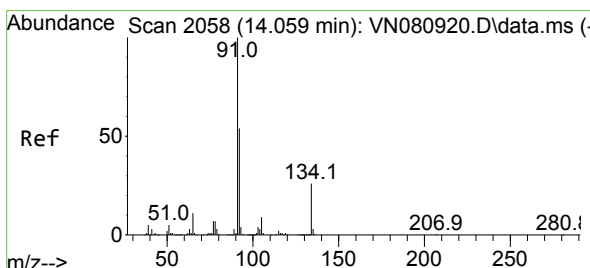
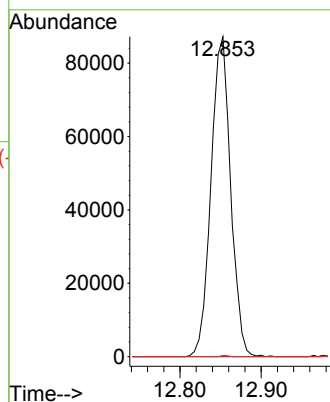
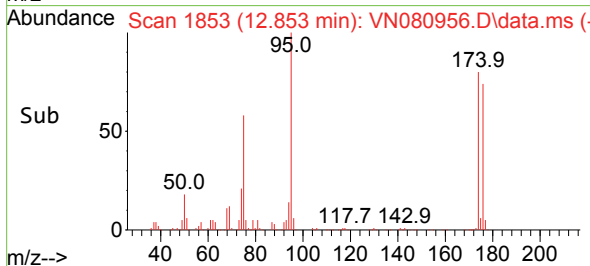


#81
trans-1,4-Dichloro-2-butene
Concen: 61.578 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080956.D
Acq: 08 Feb 2024 12:10

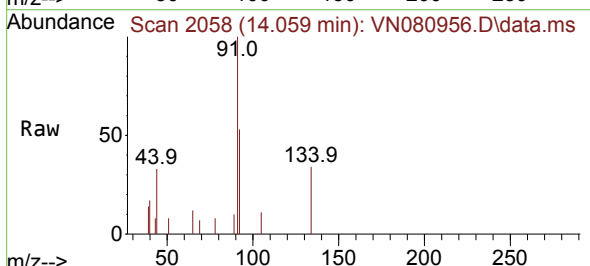
Instrument :
MSVOA_N
ClientSampleId :



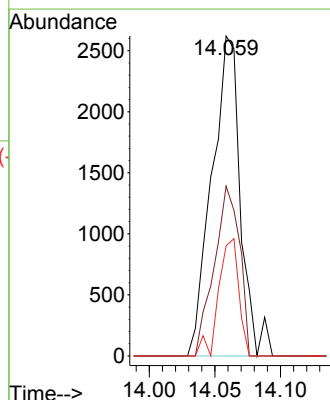
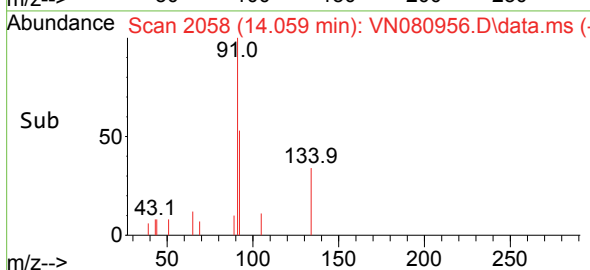
Tgt Ion: 75 Resp: 146586
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.2 33.4 50.0#

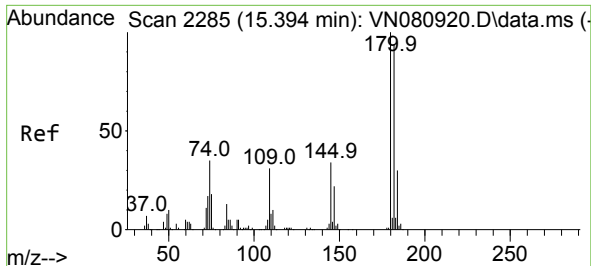


#89
n-Butylbenzene
Concen: 0.232 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN080956.D
Acq: 08 Feb 2024 12:10



Tgt Ion: 91 Resp: 3976
Ion Ratio Lower Upper
91 100
92 47.0 26.7 80.1
134 25.6 10.8 32.4





#93

1,2,4-Trichlorobenzene

Concen: 0.377 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN080956.D

Acq: 08 Feb 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

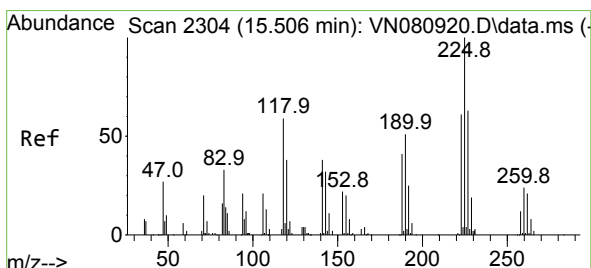
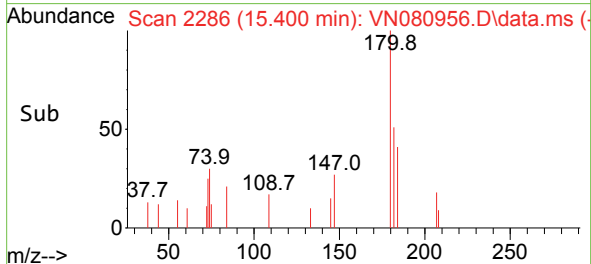
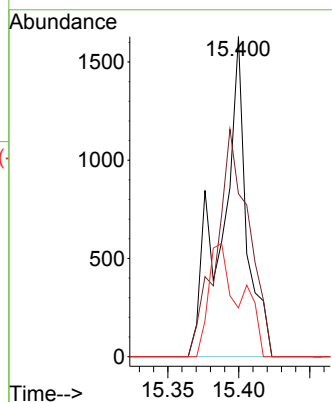
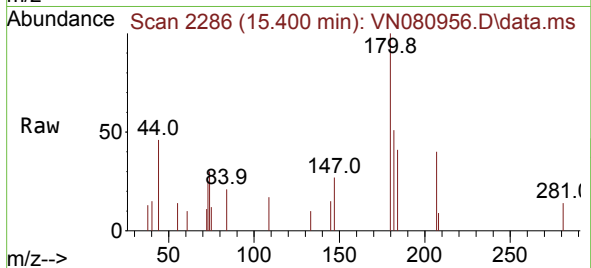
Tgt Ion:180 Resp: 1978

Ion Ratio Lower Upper

180 100

182 92.4 46.6 139.7

145 44.7 16.8 50.3



#94

Hexachlorobutadiene

Concen: 0.475 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. -0.000 min

Lab File: VN080956.D

Acq: 08 Feb 2024 12:10

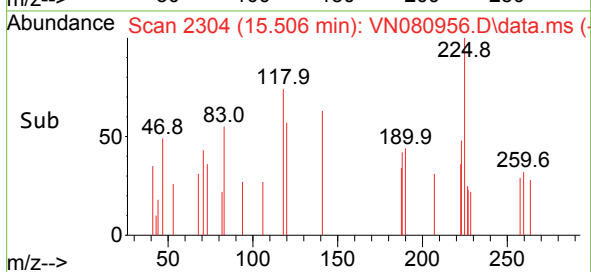
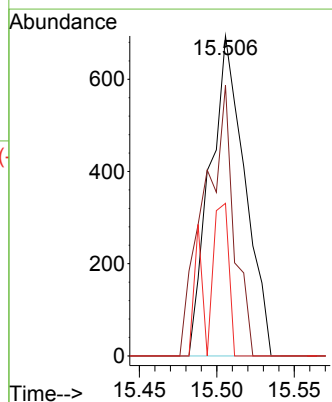
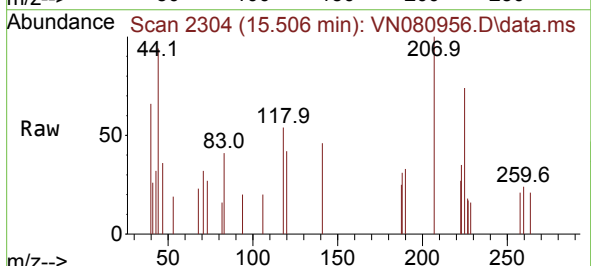
Tgt Ion:225 Resp: 1082

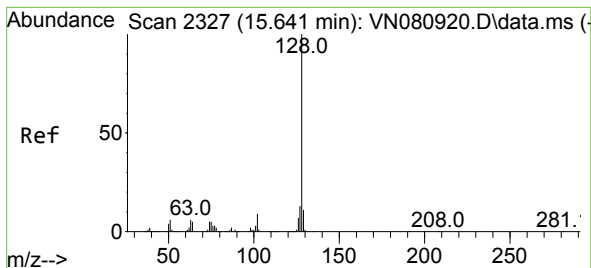
Ion Ratio Lower Upper

225 100

223 71.6 33.3 99.8

227 30.4 33.1 99.2#





#95

Naphthalene

Concen: 0.296 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

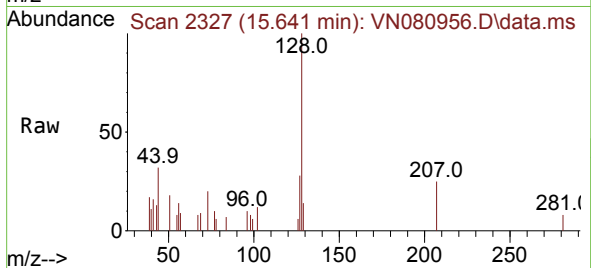
Lab File: VN080956.D

Acq: 08 Feb 2024 12:10

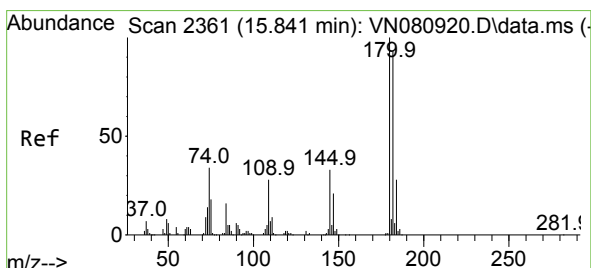
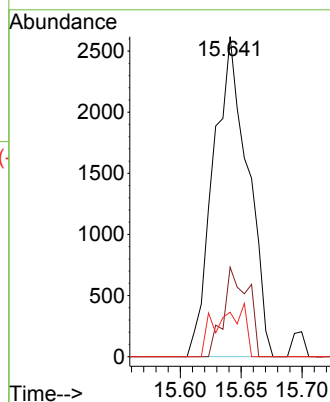
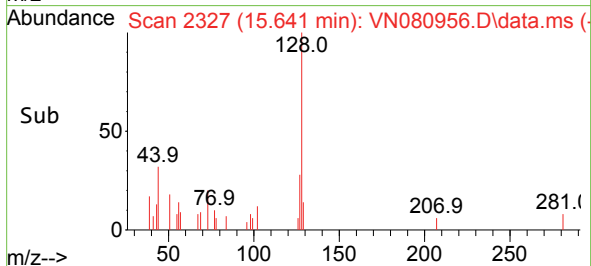
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	128	Resp:	5139
Ion	Ratio	Lower	Upper
128	100		
127	19.8	10.0	15.0#
129	13.3	8.7	13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.380 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VN080956.D

Acq: 08 Feb 2024 12:10

Tgt Ion:	180	Resp:	1964
Ion	Ratio	Lower	Upper
180	100		
182	36.3	46.5	139.3#
145	45.7	17.8	53.4

