

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011224\
 Data File : VN080695.D
 Acq On : 12 Jan 2024 17:19
 Operator : JC\MD
 Sample : P1111-01
 Misc : 2.45g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 12 22:16:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 06:34:36 2024
 Response via : Initial Calibration

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

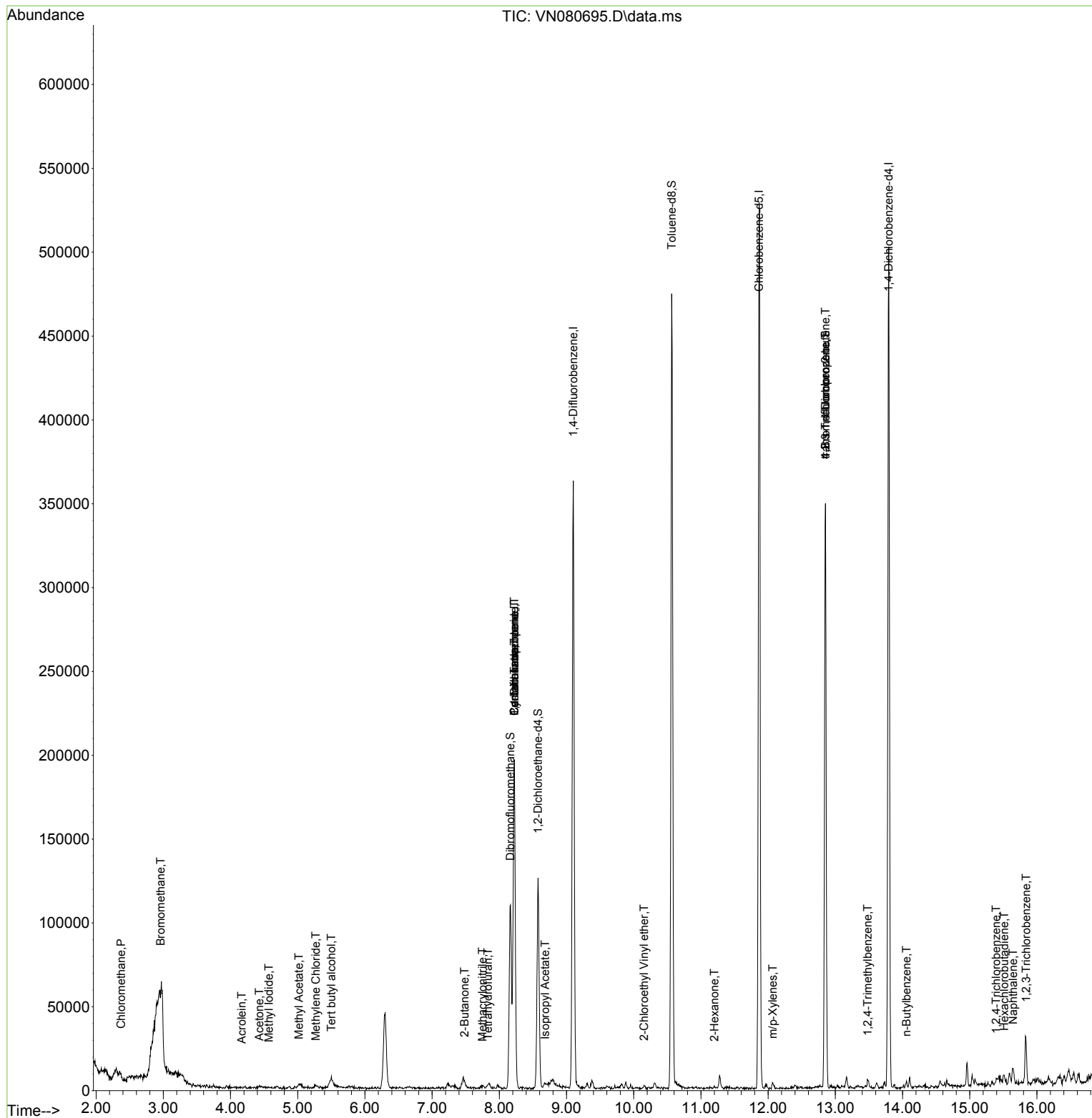
Internal Standards						
1) Pentafluorobenzene	8.224	168	126507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	283676	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	283042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	118253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	94487	42.531	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.060%
35) Dibromofluoromethane	8.165	113	78522	48.718	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.440%
50) Toluene-d8	10.565	98	315222	51.291	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.580%
62) 4-Bromofluorobenzene	12.853	95	126416	53.639	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.280%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	4595	1.364	ug/l #	67
5) Bromomethane	2.959	94	746	1.053	ug/l #	7
6) Chloroethane	3.148	64	74	Below Cal	#	1
10) Methyl Iodide	4.571	142	698	0.497	ug/l #	85
11) Tert butyl alcohol	5.501	59	4941	13.151	ug/l #	72
13) Acrolein	4.165	56	352	1.121	ug/l #	16
16) Acetone	4.430	43	1407	1.929	ug/l #	77
18) Methyl Acetate	5.018	43	6857	3.157	ug/l #	57
20) Methylene Chloride	5.271	84	800	0.376	ug/l #	71
25) 2-Butanone	7.483	43	2023	1.534	ug/l #	37
29) Tetrahydrofuran	7.830	42	1574	1.771	ug/l #	33
31) Cyclohexane	8.224	56	4351	1.268	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13179	3.992	ug/l #	49
38) Carbon Tetrachloride	8.224	117	14734	4.970	ug/l #	15
41) Methacrylonitrile	7.747	41	896	0.482	ug/l #	31
43) Isopropyl Acetate	8.683	43	2092	0.355	ug/l #	49
58) 2-Chloroethyl Vinyl ether	10.153	63	699	0.398	ug/l #	42
59) 2-Hexanone	11.200	43	533	0.227	ug/l #	51
68) m/p-Xylenes	12.071	106	876	0.211	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	72232	19.809	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	72232	46.698	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.482	105	3346	0.363	ug/l	81
89) n-Butylbenzene	14.059	91	2359	0.291	ug/l #	86
93) 1,2,4-Trichlorobenzene	15.394	180	922	0.440	ug/l	91
94) Hexachlorobutadiene	15.512	225	353	0.351	ug/l #	62
95) Naphthalene	15.647	128	8758	1.063	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	692	0.341	ug/l	83

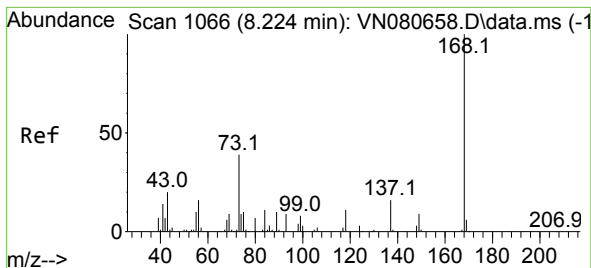
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 12 22:16:29 2024
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Quant Title : SW846 8260
QLast Update : Thu Jan 11 06:34:36 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN080695.D

Acq: 12 Jan 2024 17:19

Instrument :

MSVOA_N

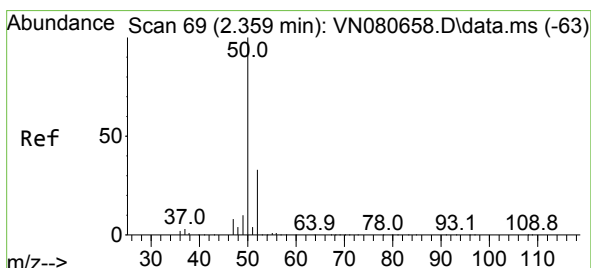
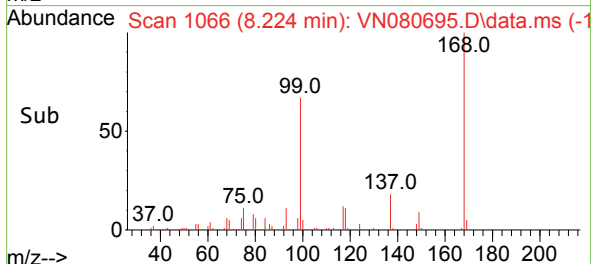
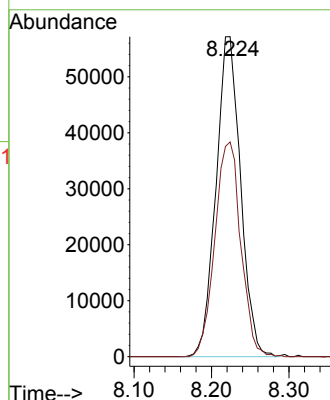
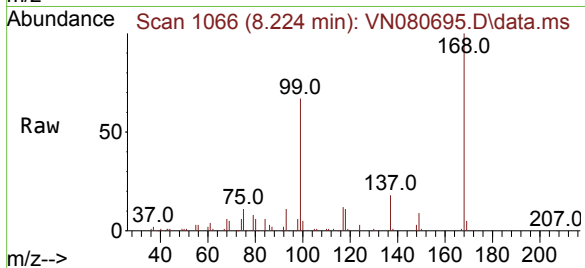
ClientSampleId :

Tgt Ion:168 Resp: 126507

Ion Ratio Lower Upper

168 100

99 67.1 53.0 79.6



#3

Chloromethane

Concen: 1.364 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.012 min

Lab File: VN080695.D

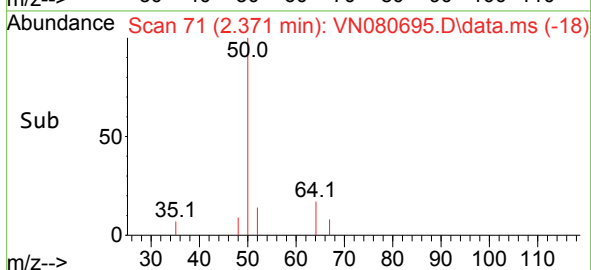
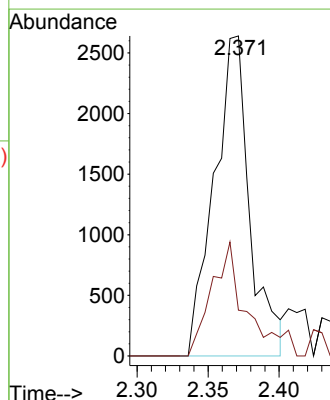
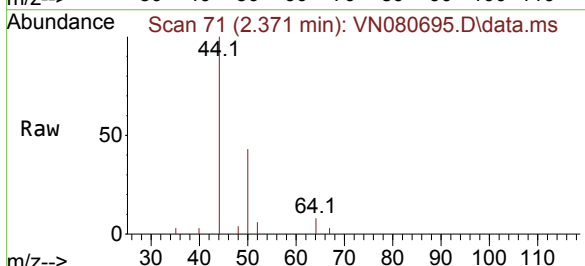
Acq: 12 Jan 2024 17:19

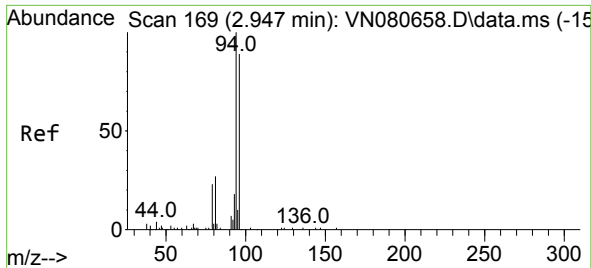
Tgt Ion: 50 Resp: 4595

Ion Ratio Lower Upper

50 100

52 14.3 26.5 39.7#

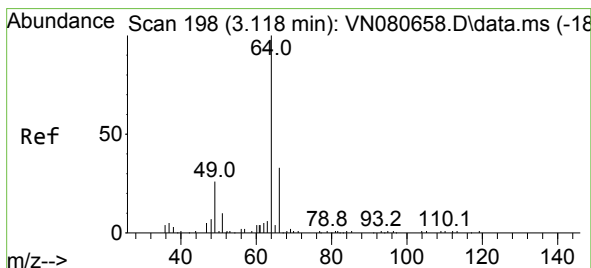
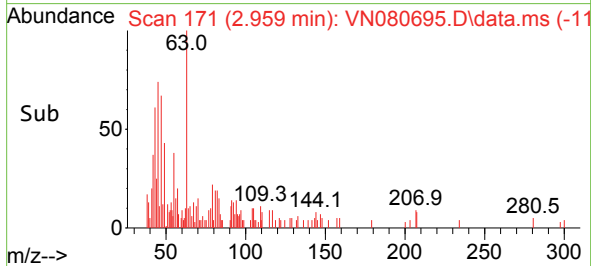
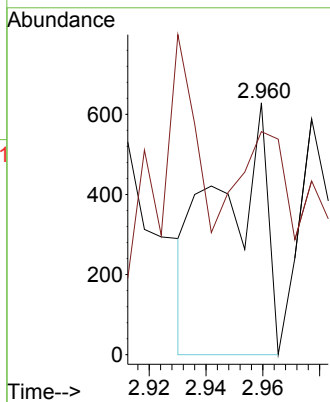
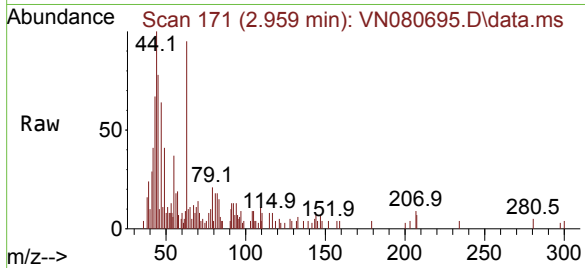




#5
Bromomethane
Concen: 1.053 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN080695.D
Acq: 12 Jan 2024 17:19

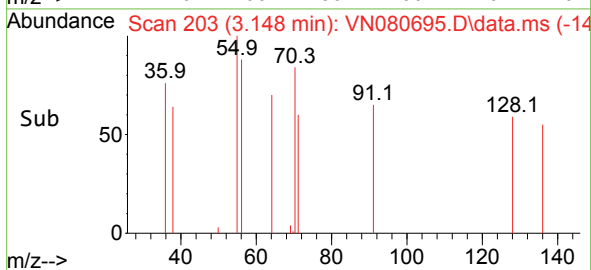
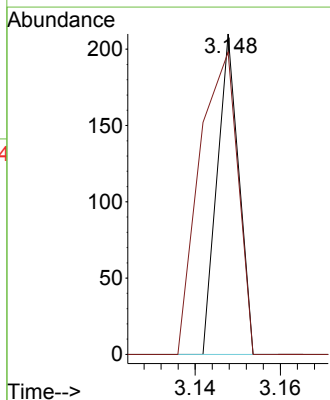
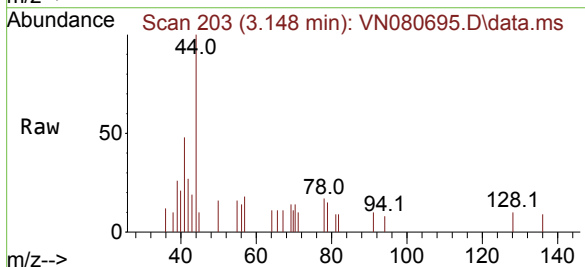
Instrument :
MSVOA_N
ClientSampleId :

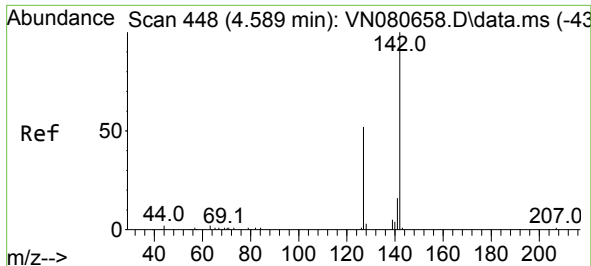
Tgt Ion: 94 Resp: 746
Ion Ratio Lower Upper
94 100
96 3.0 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.148 min Scan# 203
Delta R.T. 0.030 min
Lab File: VN080695.D
Acq: 12 Jan 2024 17:19

Tgt Ion: 64 Resp: 74
Ion Ratio Lower Upper
64 100
66 94.3 25.4 38.2#

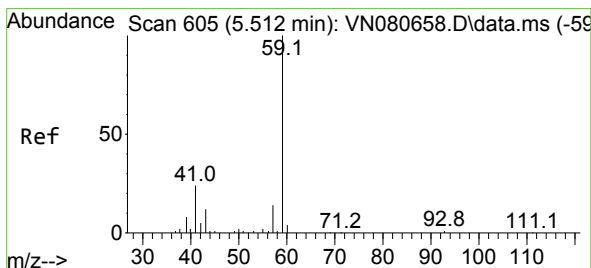
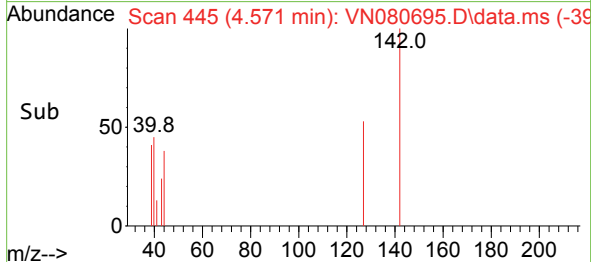
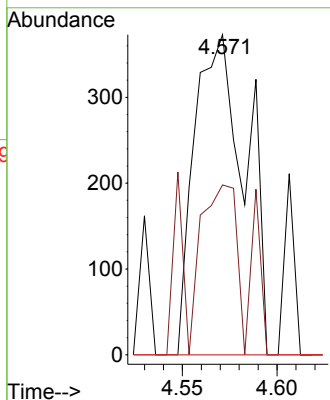
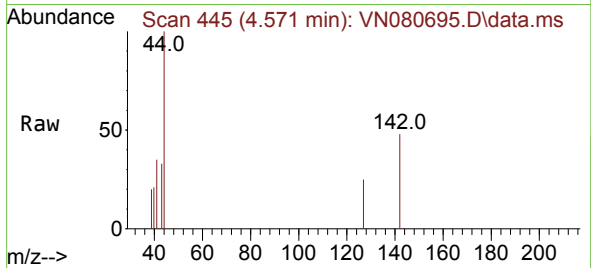




#10
Methyl Iodide
Concen: 0.497 ug/l
RT: 4.571 min Scan# 448
Delta R.T. -0.017 min
Lab File: VN080695.D
Acq: 12 Jan 2024 17:19

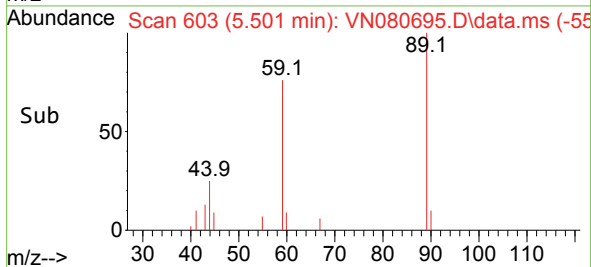
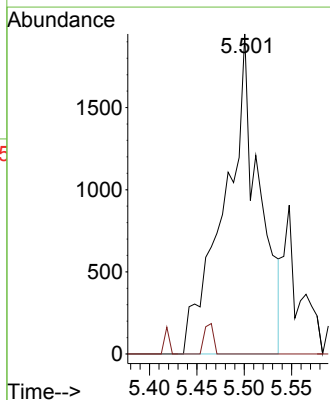
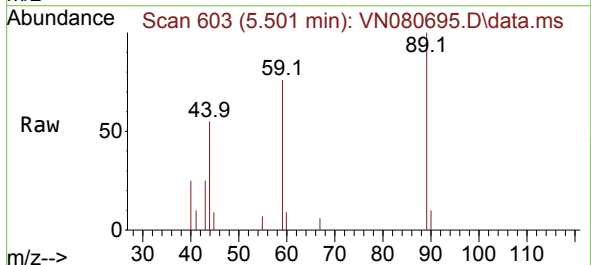
Instrument :
MSVOA_N
ClientSampleId :

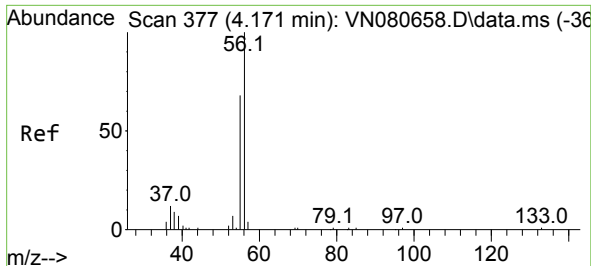
Tgt Ion:142 Resp: 698
Ion Ratio Lower Upper
142 100
127 53.1 37.6 56.4
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 13.151 ug/l
RT: 5.501 min Scan# 603
Delta R.T. -0.011 min
Lab File: VN080695.D
Acq: 12 Jan 2024 17:19

Tgt Ion: 59 Resp: 4941
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 1.121 ug/l

RT: 4.165 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN080695.D

Acq: 12 Jan 2024 17:19

Instrument :

MSVOA_N

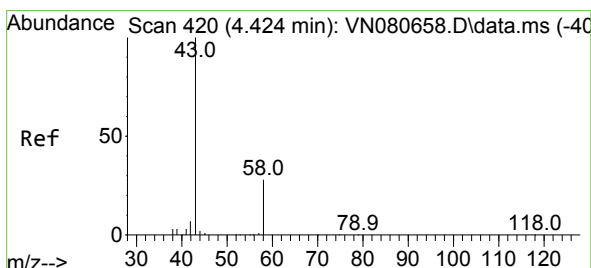
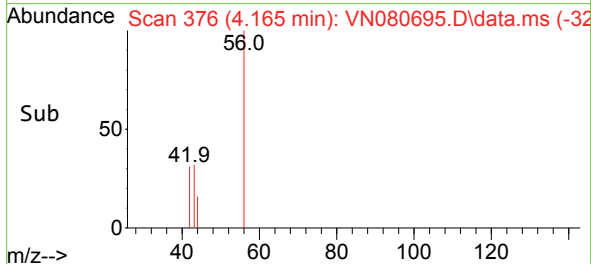
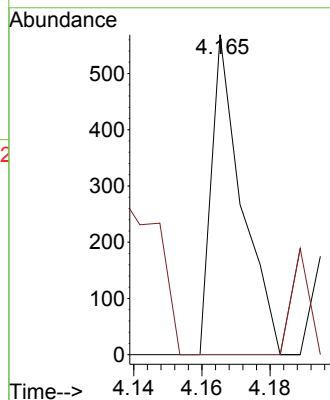
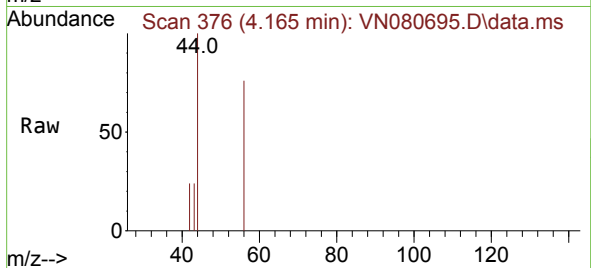
ClientSampleId :

Tgt Ion: 56 Resp: 352

Ion Ratio Lower Upper

56 100

55 0.0 54.5 81.7#



#16

Acetone

Concen: 1.929 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN080695.D

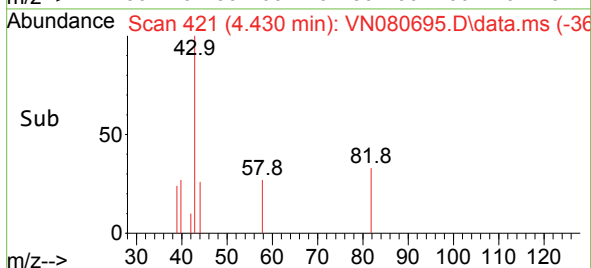
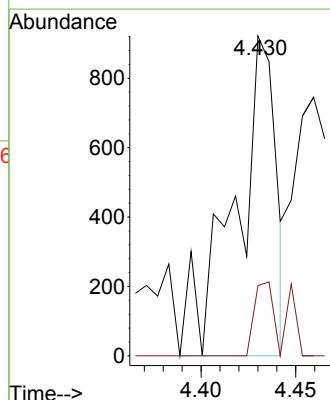
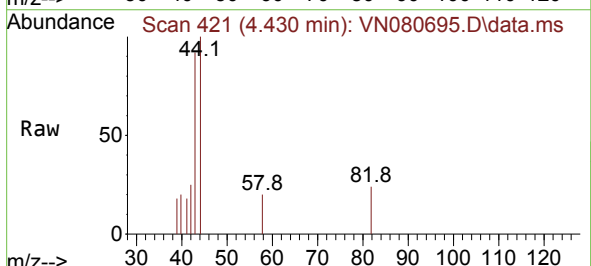
Acq: 12 Jan 2024 17:19

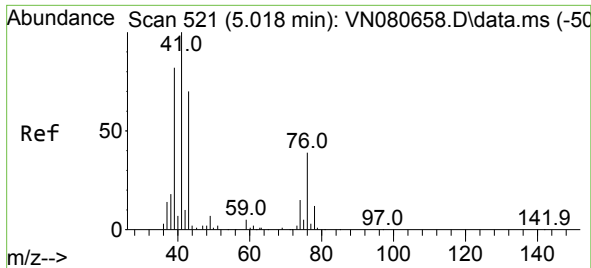
Tgt Ion: 43 Resp: 1407

Ion Ratio Lower Upper

43 100

58 21.9 28.0 42.0#

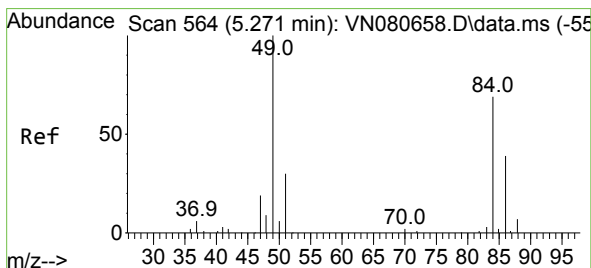
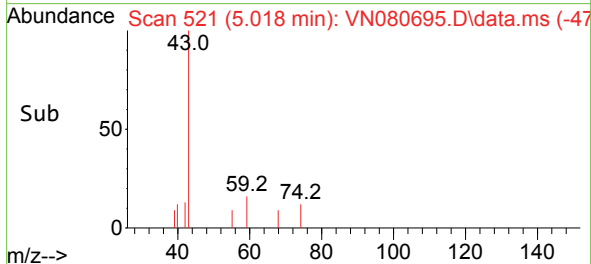
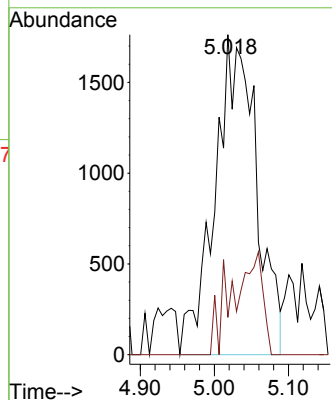
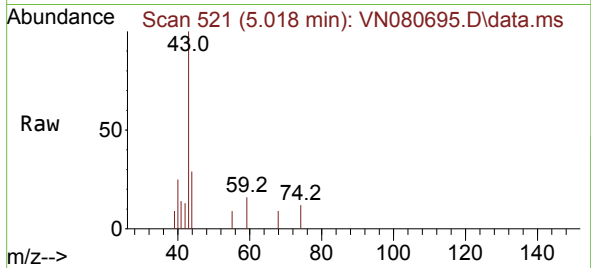




#18
Methyl Acetate
Concen: 3.157 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN080695.D
Acq: 12 Jan 2024 17:19

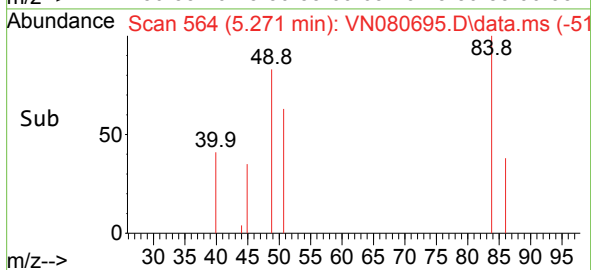
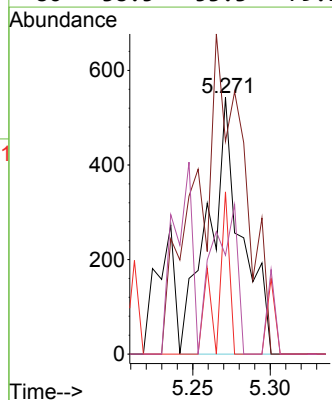
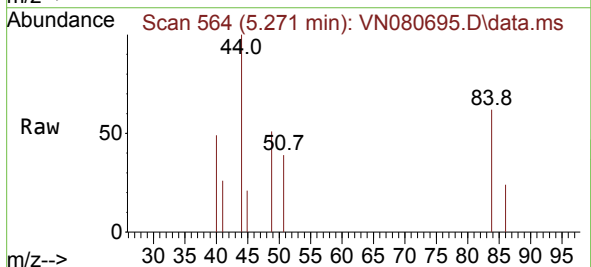
Instrument :
MSVOA_N
ClientSampleId :

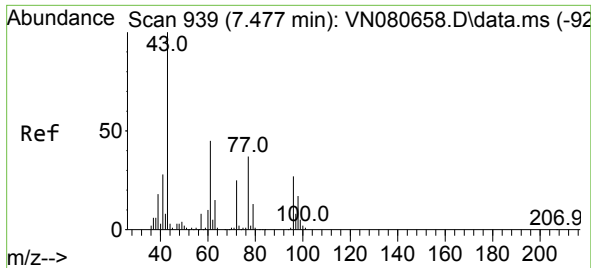
Tgt Ion: 43 Resp: 6857
Ion Ratio Lower Upper
43 100
74 8.8 26.2 39.4#



#20
Methylene Chloride
Concen: 0.376 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN080695.D
Acq: 12 Jan 2024 17:19

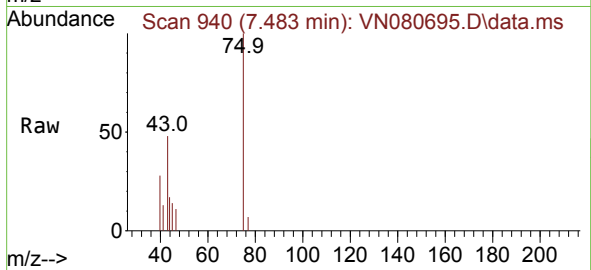
Tgt Ion: 84 Resp: 800
Ion Ratio Lower Upper
84 100
49 82.9 79.7 119.5
51 63.2 25.2 37.8#
86 38.5 53.3 79.9#



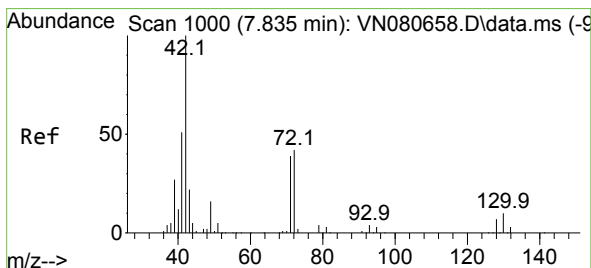
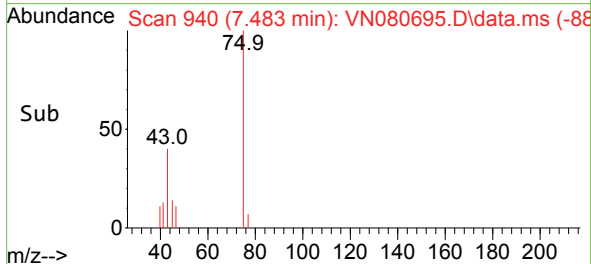
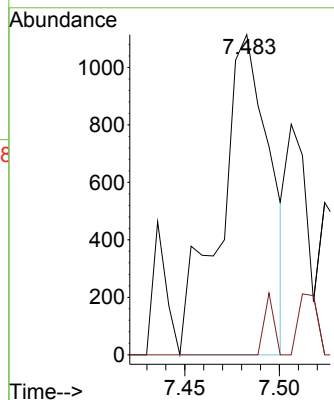


#25
2-Butanone
Concen: 1.534 ug/l
RT: 7.483 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080695.D
Acq: 12 Jan 2024 17:19

Instrument :
MSVOA_N
ClientSampleId :

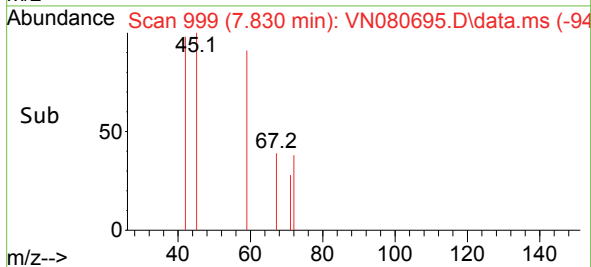
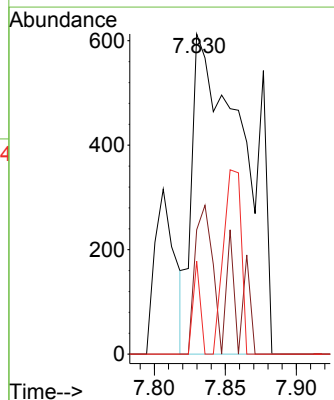
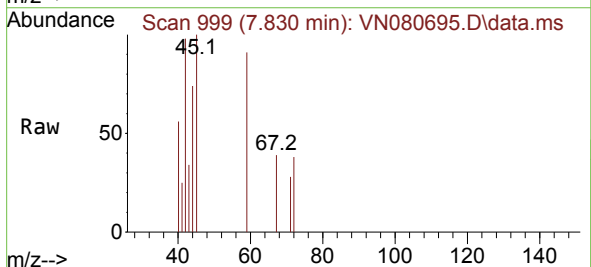


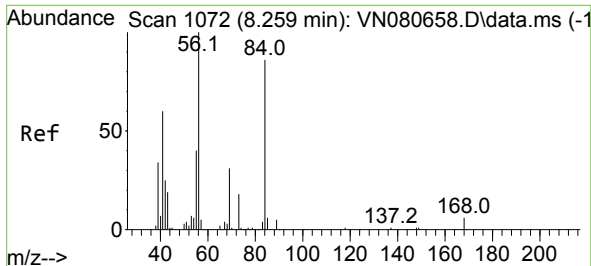
Tgt Ion: 43 Resp: 2023
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#29
Tetrahydrofuran
Concen: 1.771 ug/l
RT: 7.830 min Scan# 999
Delta R.T. -0.006 min
Lab File: VN080695.D
Acq: 12 Jan 2024 17:19

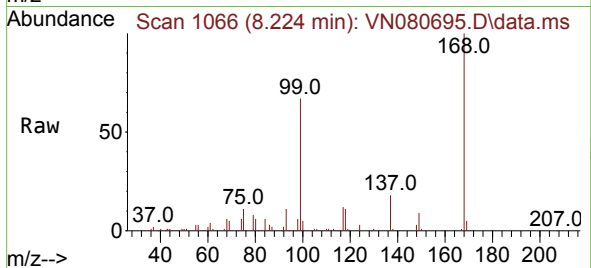
Tgt Ion: 42 Resp: 1574
Ion Ratio Lower Upper
42 100
72 15.6 49.8 74.6#
71 4.0 47.4 71.2#



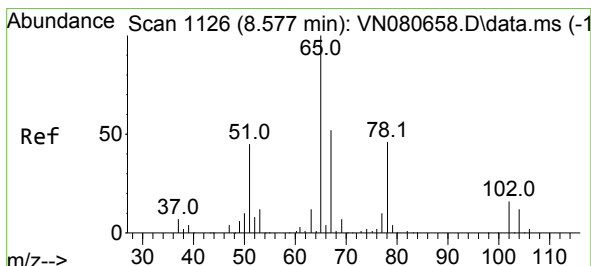
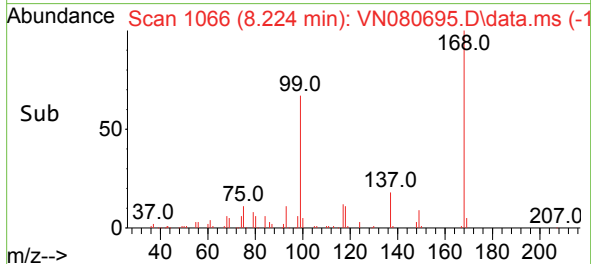
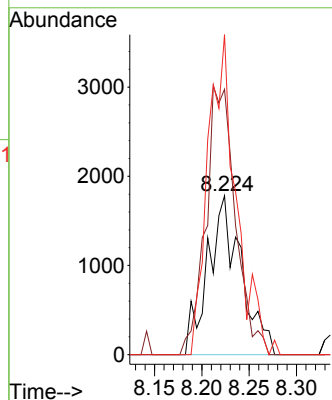


#31
Cyclohexane
Concen: 1.268 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080695.D
Acq: 12 Jan 2024 17:19

Instrument :
MSVOA_N
ClientSampleId :

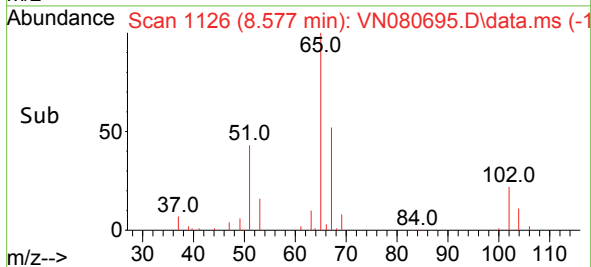
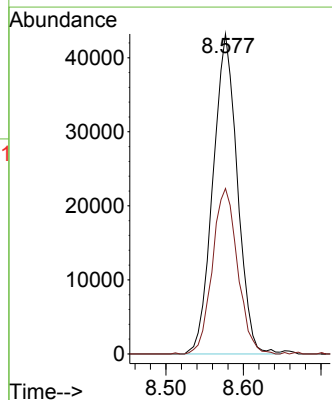
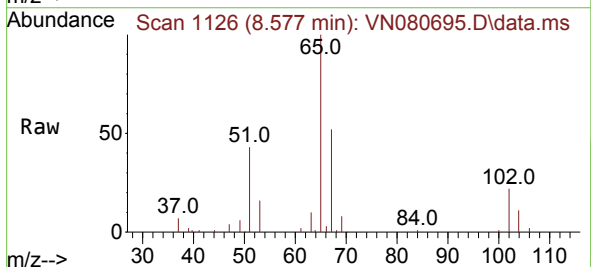


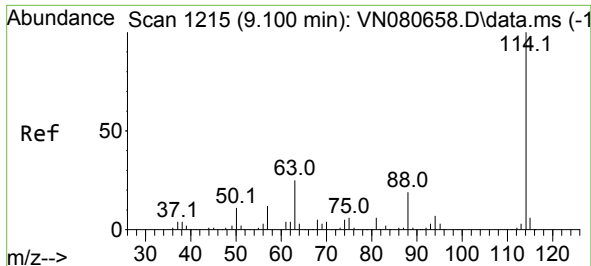
Tgt Ion: 56 Resp: 4351
Ion Ratio Lower Upper
56 100
69 167.1 26.8 40.2#
84 201.3 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 42.531 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN080695.D
Acq: 12 Jan 2024 17:19

Tgt Ion: 65 Resp: 94487
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN080695.D

Acq: 12 Jan 2024 17:19

Instrument :

MSVOA_N

ClientSampleId :

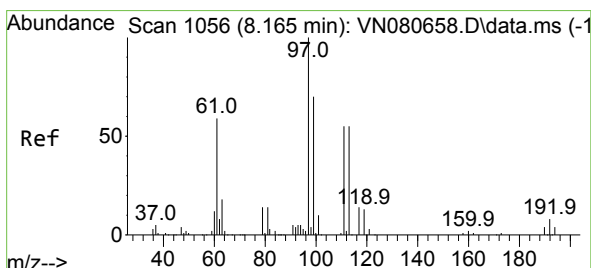
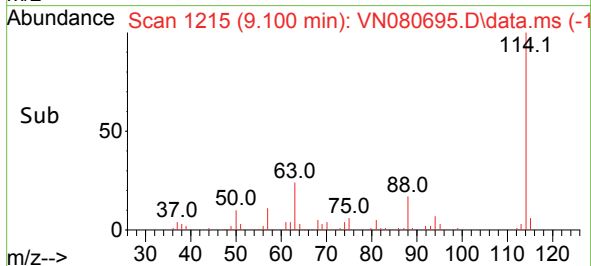
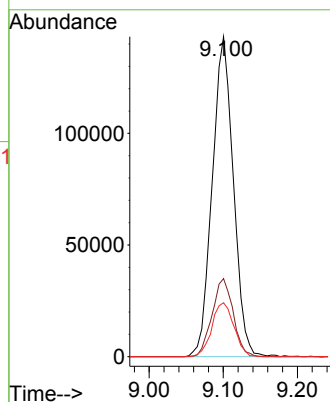
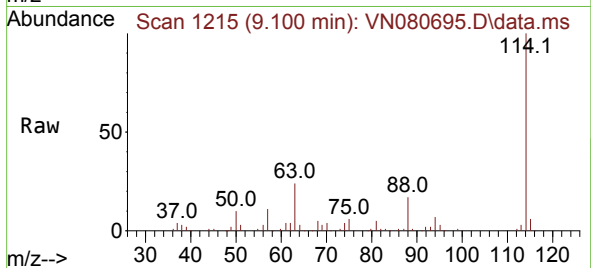
Tgt Ion:114 Resp: 283676

Ion Ratio Lower Upper

114 100

63 24.4 0.0 36.4

88 16.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.718 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN080695.D

Acq: 12 Jan 2024 17:19

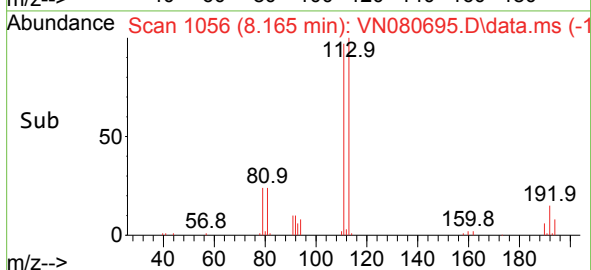
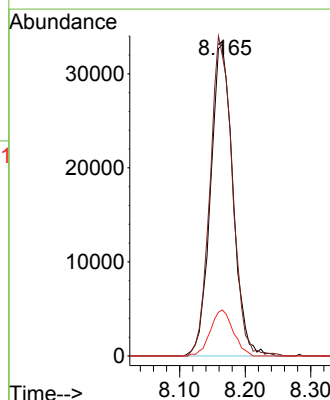
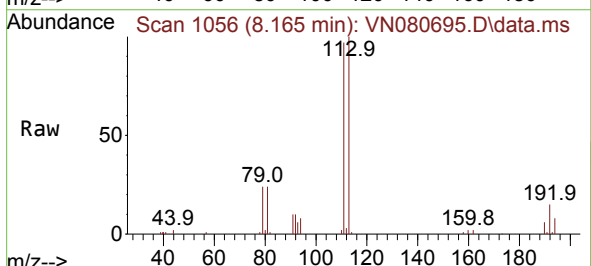
Tgt Ion:113 Resp: 78522

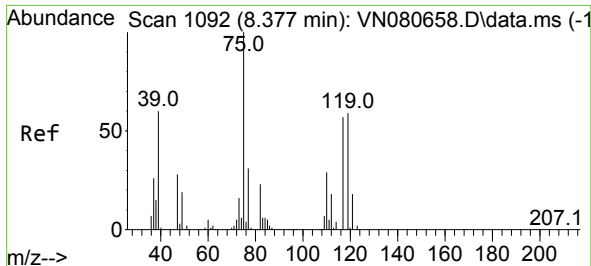
Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 15.1 12.7 19.1





#36

1,1-Dichloropropene

Concen: 3.992 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

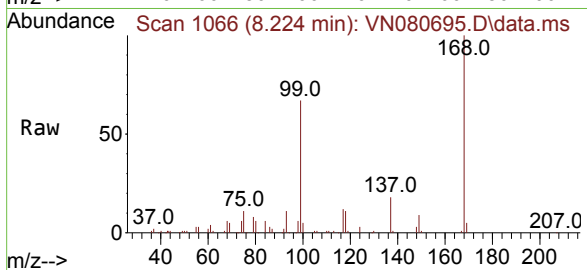
Lab File: VN080695.D

Acq: 12 Jan 2024 17:19

Instrument :

MSVOA_N

ClientSampleId :



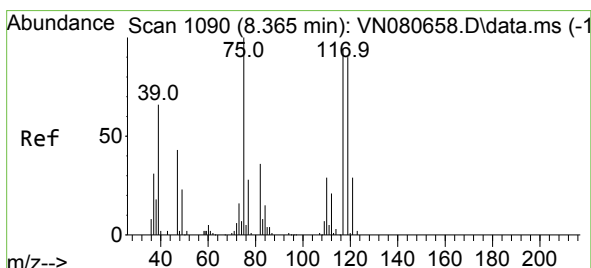
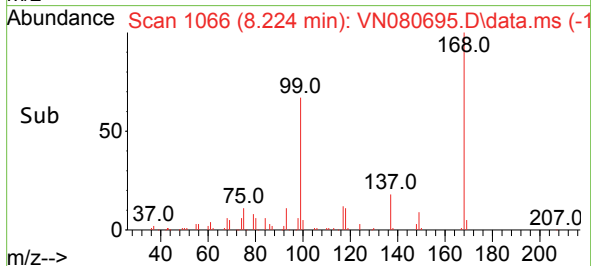
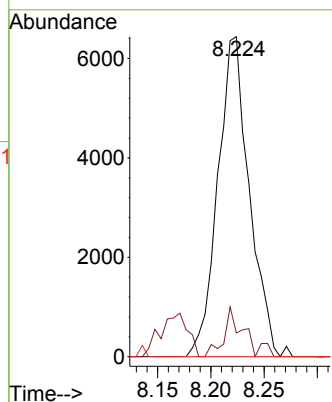
Tgt Ion: 75 Resp: 13179

Ion Ratio Lower Upper

75 100

110 10.1 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 4.970 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN080695.D

Acq: 12 Jan 2024 17:19

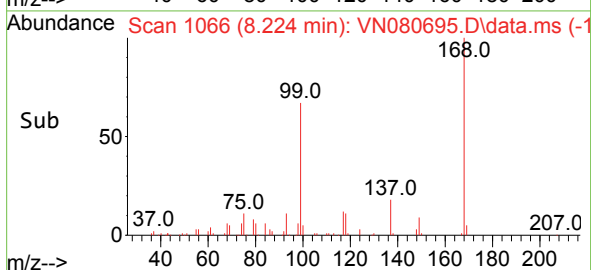
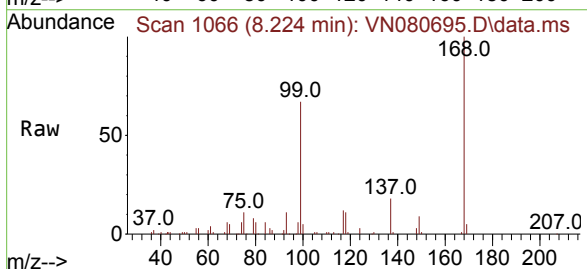
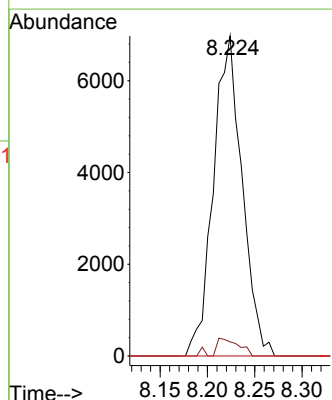
Tgt Ion: 117 Resp: 14734

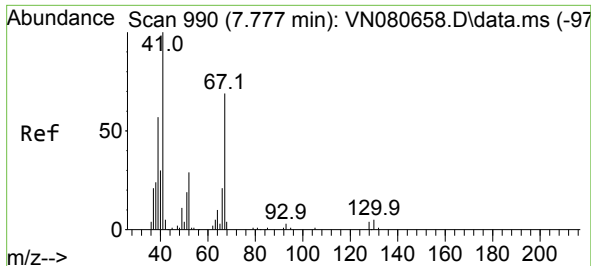
Ion Ratio Lower Upper

117 100

119 4.4 77.3 115.9#

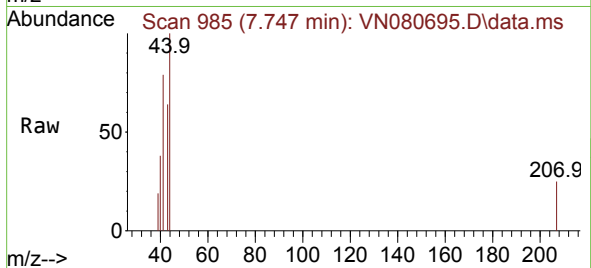
121 0.0 23.3 34.9#



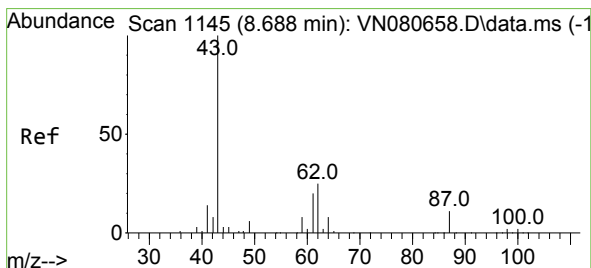
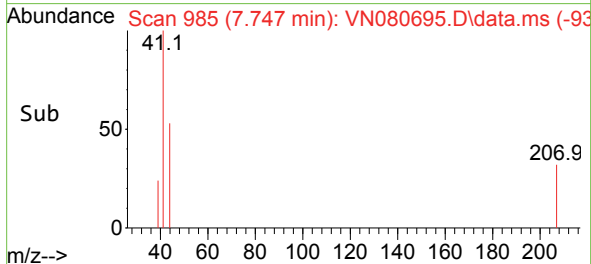
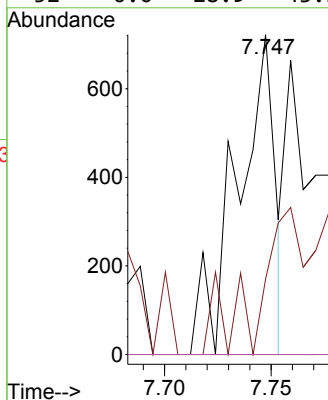


#41
Methacrylonitrile
Concen: 0.482 ug/l
RT: 7.747 min Scan# 91
Delta R.T. -0.029 min
Lab File: VN080695.D
Acq: 12 Jan 2024 17:19

Instrument :
MSVOA_N
ClientSampleId :

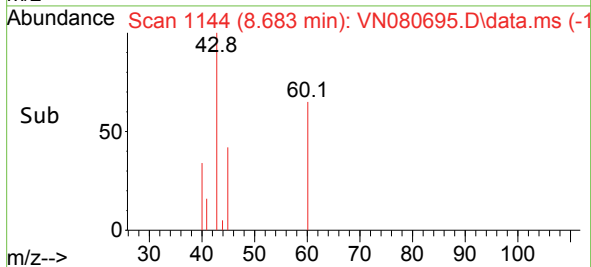
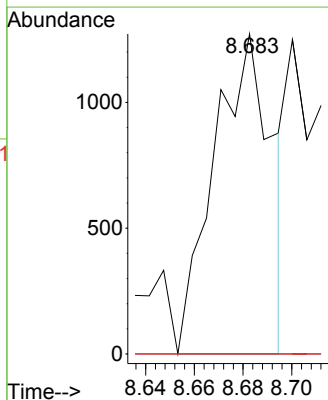
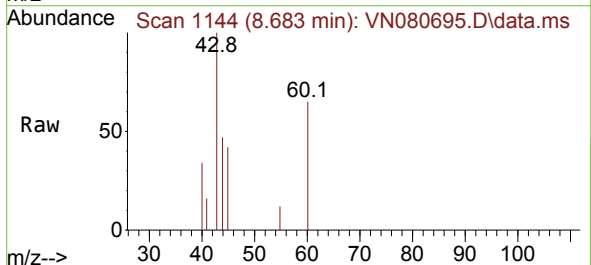


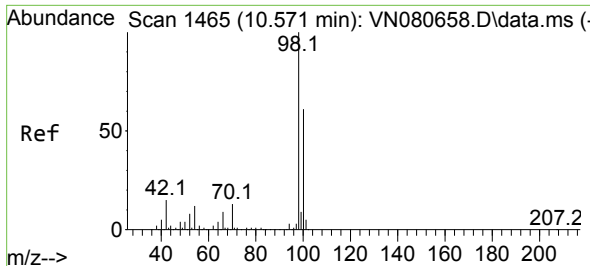
Tgt Ion: 41	Resp: 896
Ion Ratio	Lower Upper
41 100	
39 67.9	42.6 64.0#
67 0.0	77.5 116.3#
52 0.0	28.9 43.3#



#43
Isopropyl Acetate
Concen: 0.355 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN080695.D
Acq: 12 Jan 2024 17:19

Tgt Ion: 43	Resp: 2092
Ion Ratio	Lower Upper
43 100	
61 0.0	24.7 37.1#
87 0.0	14.6 21.8#

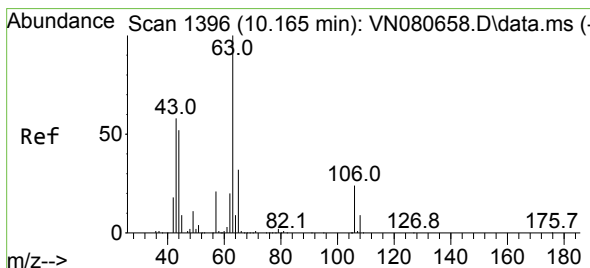
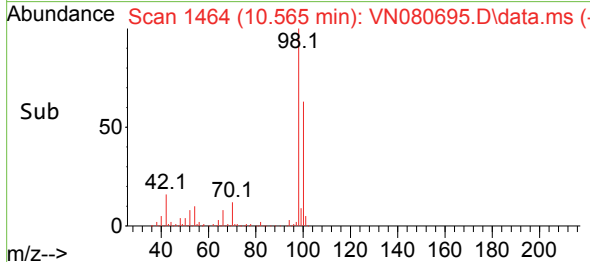
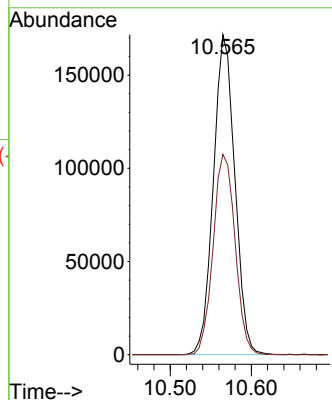
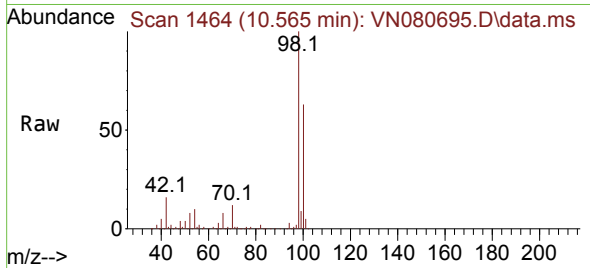




#50
Toluene-d8
Concen: 51.291 ug/l
RT: 10.565 min Scan# 1465
Delta R.T. -0.006 min
Lab File: VN080695.D
Acq: 12 Jan 2024 17:19

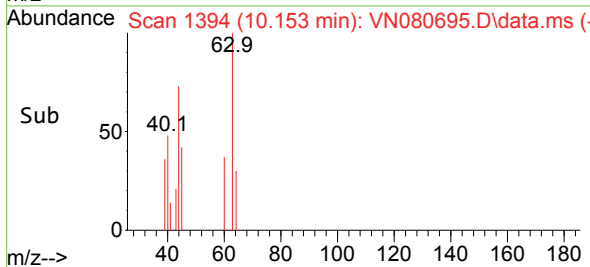
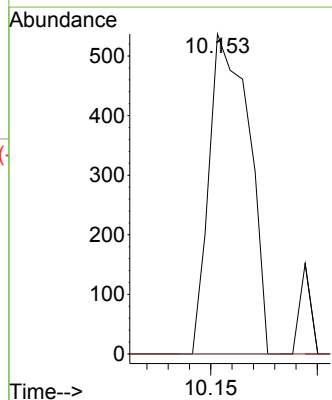
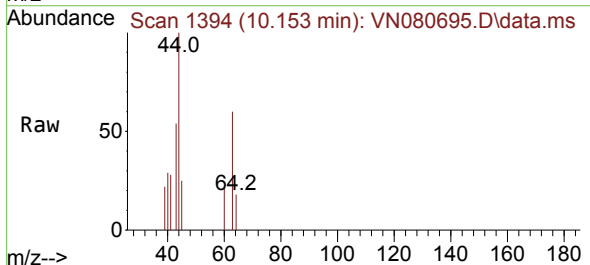
Instrument :
MSVOA_N
ClientSampleId :

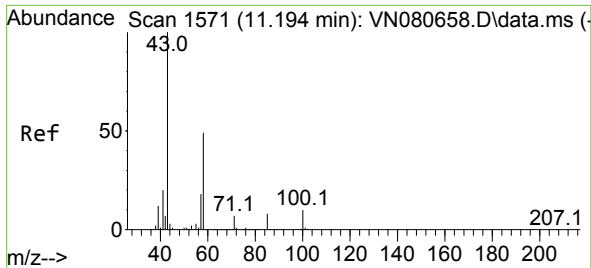
Tgt Ion: 98 Resp: 315222
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



#58
2-Chloroethyl Vinyl ether
Concen: 0.398 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.012 min
Lab File: VN080695.D
Acq: 12 Jan 2024 17:19

Tgt Ion: 63 Resp: 699
Ion Ratio Lower Upper
63 100
106 0.0 26.2 39.4#





#59

2-Hexanone

Concen: 0.227 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.006 min

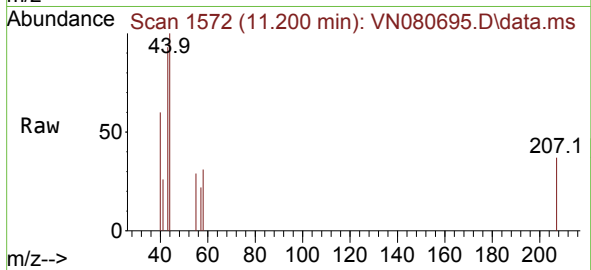
Lab File: VN080695.D

Acq: 12 Jan 2024 17:19

Instrument :

MSVOA_N

ClientSampleId :

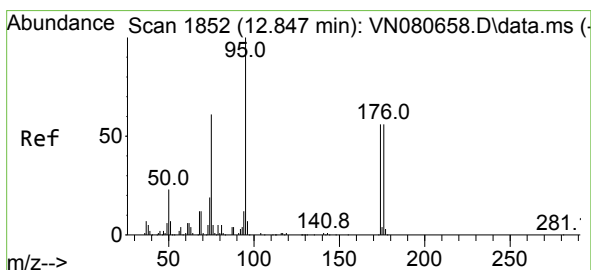
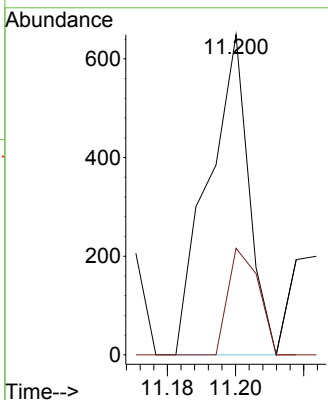
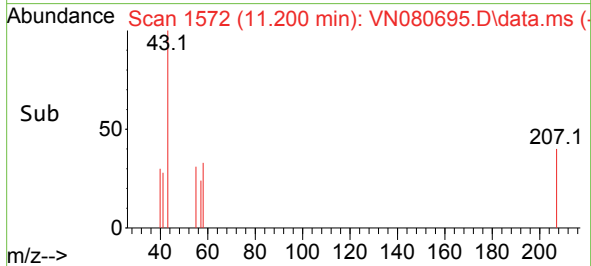


Tgt Ion: 43 Resp: 533

Ion Ratio Lower Upper

43 100

58 25.1 31.7 95.1#



#62

4-Bromofluorobenzene

Concen: 53.639 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN080695.D

Acq: 12 Jan 2024 17:19

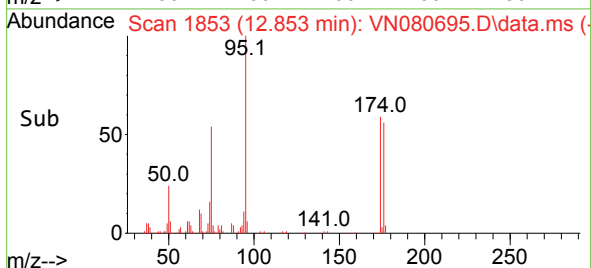
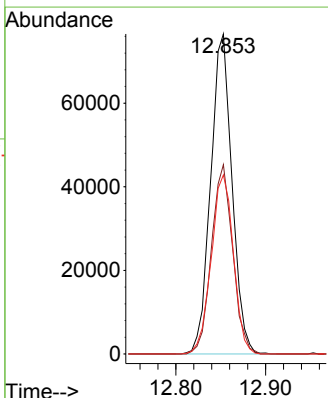
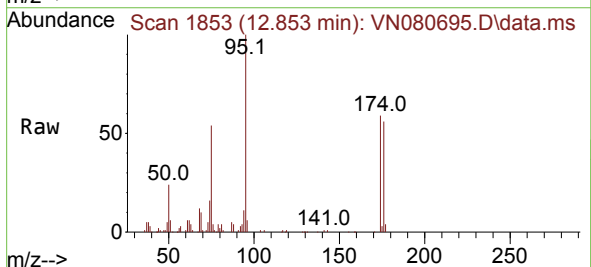
Tgt Ion: 95 Resp: 126416

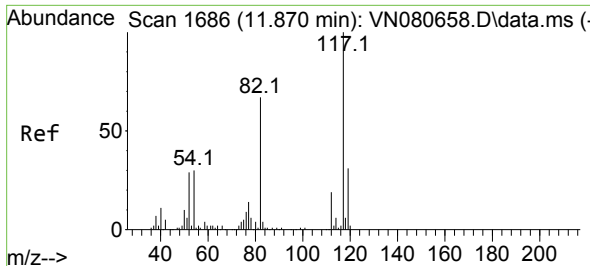
Ion Ratio Lower Upper

95 100

174 58.8 0.0 143.8

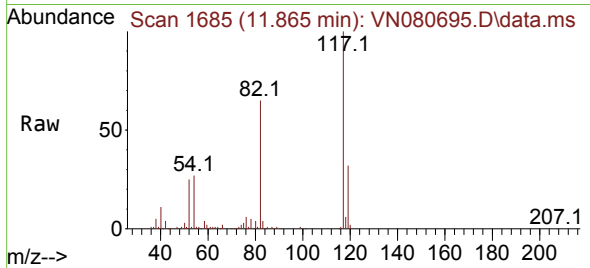
176 58.0 0.0 135.8



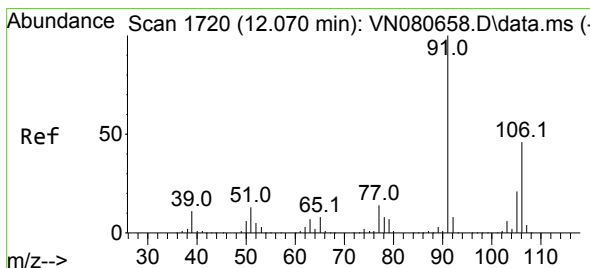
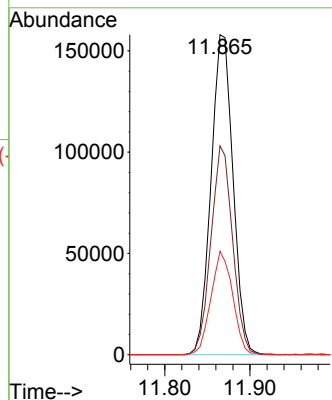
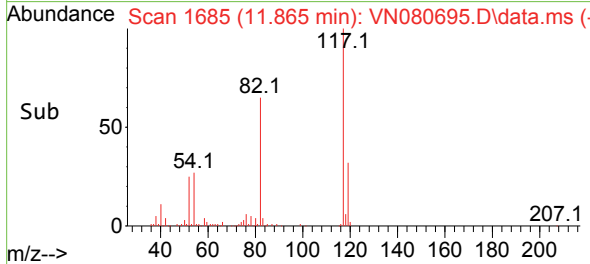


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN080695.D
Acq: 12 Jan 2024 17:19

Instrument :
MSVOA_N
ClientSampleId :

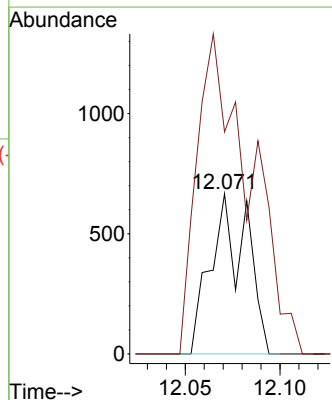
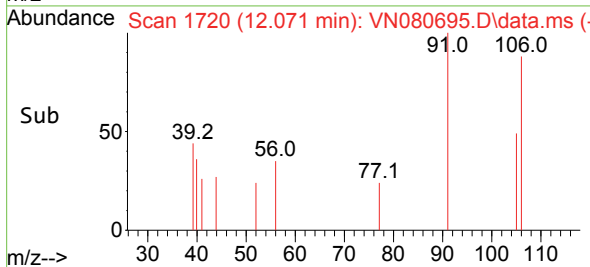
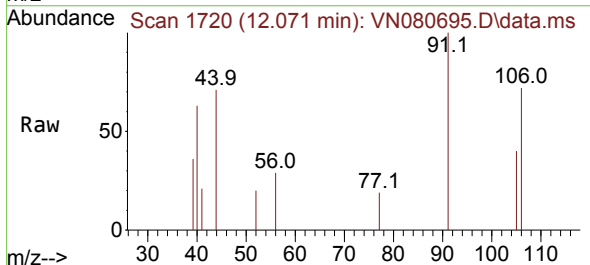


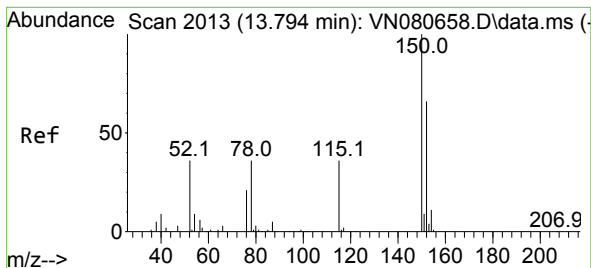
Tgt Ion:117 Resp: 283042
Ion Ratio Lower Upper
117 100
82 65.2 44.0 66.0
119 32.3 25.6 38.4



#68
m/p-Xylenes
Concen: 0.211 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN080695.D
Acq: 12 Jan 2024 17:19

Tgt Ion:106 Resp: 876
Ion Ratio Lower Upper
106 100
91 294.6 159.6 239.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN080695.D

Acq: 12 Jan 2024 17:19

Instrument :

MSVOA_N

ClientSampleId :

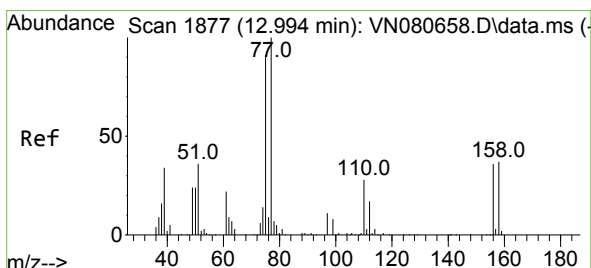
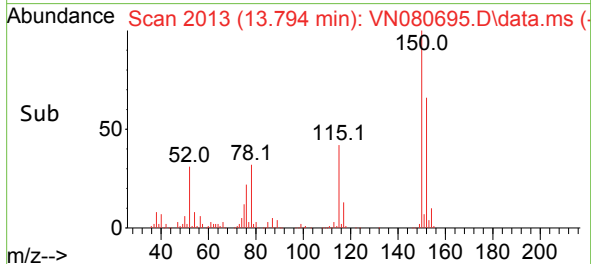
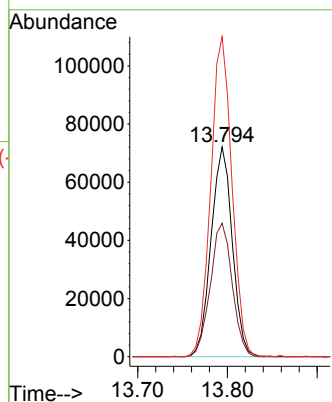
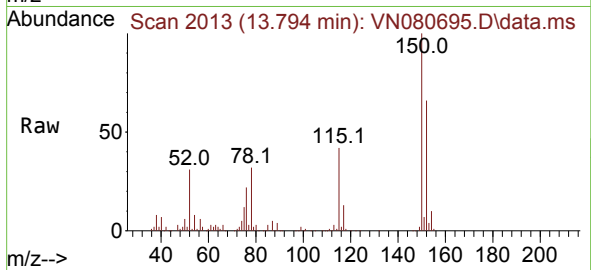
Tgt Ion:152 Resp: 118253

Ion Ratio Lower Upper

152 100

115 65.8 32.3 96.8

150 152.2 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 19.809 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080695.D

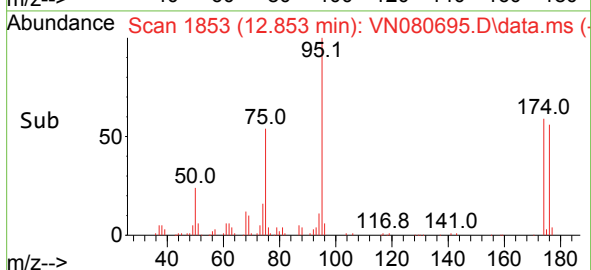
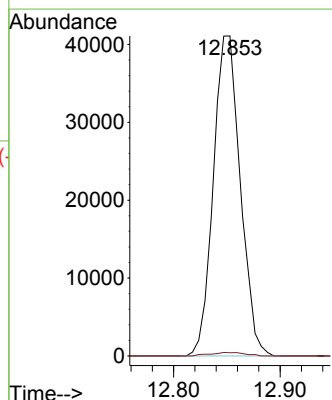
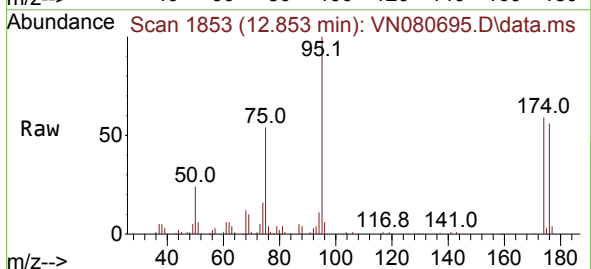
Acq: 12 Jan 2024 17:19

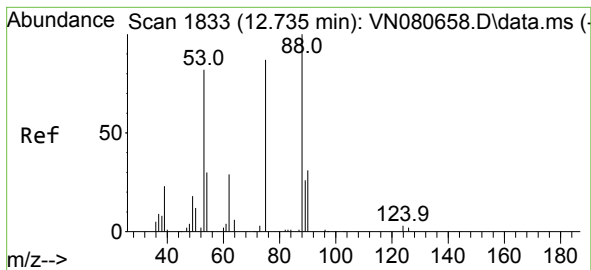
Tgt Ion: 75 Resp: 72232

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#

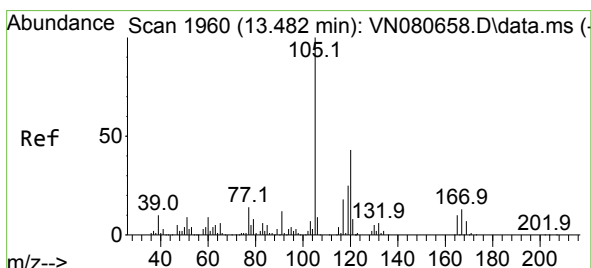
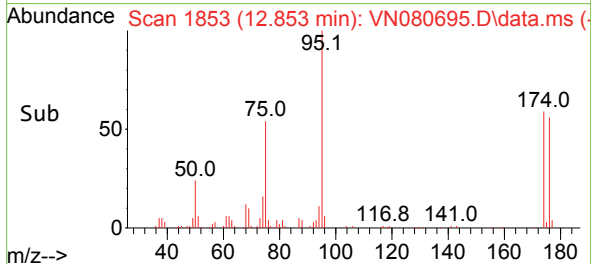
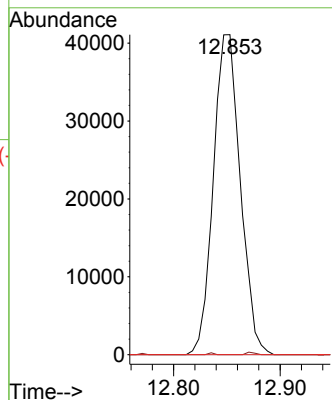
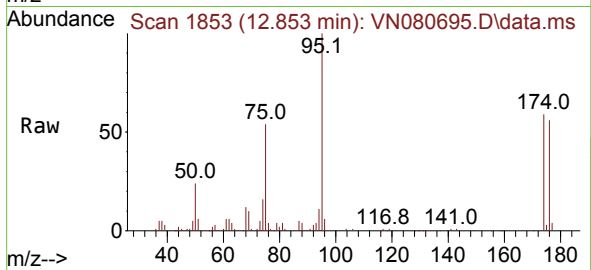




#81
trans-1,4-Dichloro-2-butene
Concen: 46.698 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080695.D
Acq: 12 Jan 2024 17:19

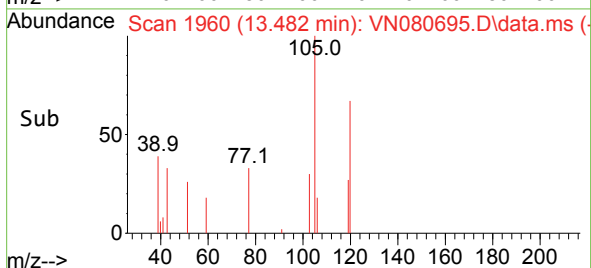
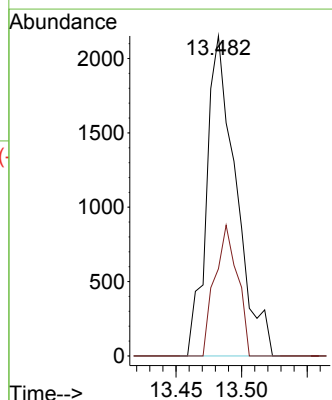
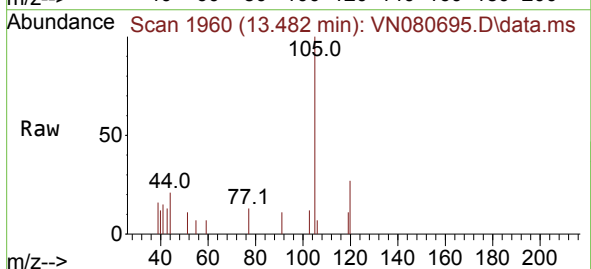
Instrument :
MSVOA_N
ClientSampleId :

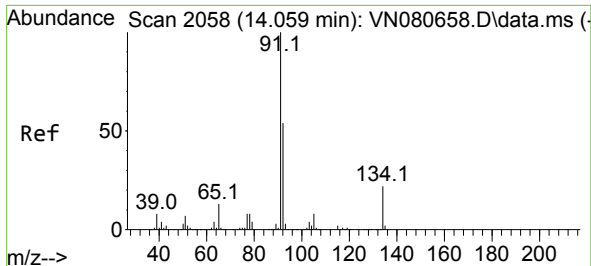
Tgt Ion: 75 Resp: 72232
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#84
1,2,4-Trimethylbenzene
Concen: 0.363 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN080695.D
Acq: 12 Jan 2024 17:19

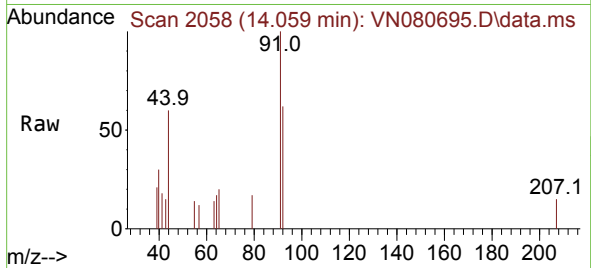
Tgt Ion: 105 Resp: 3346
Ion Ratio Lower Upper
105 100
120 31.6 22.0 66.0



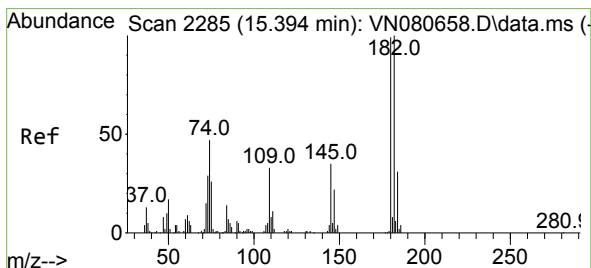
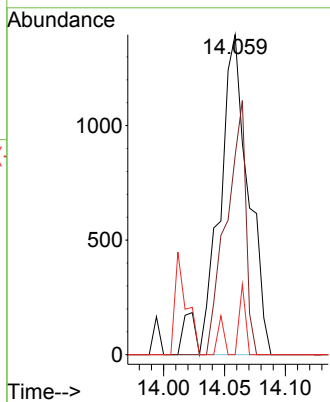
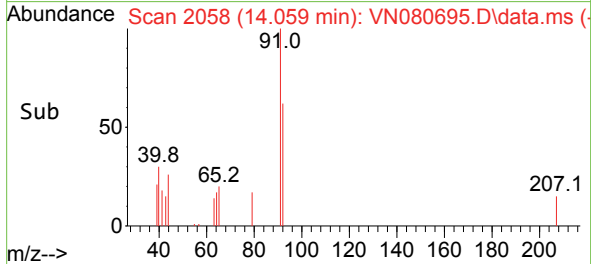


#89
n-Butylbenzene
Concen: 0.291 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN080695.D
Acq: 12 Jan 2024 17:19

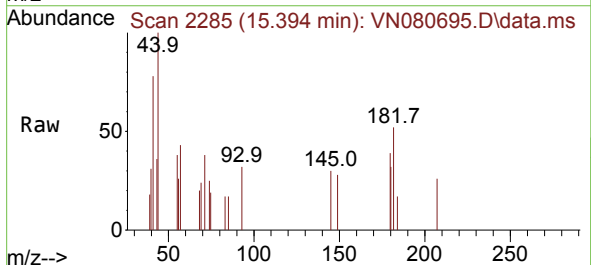
Instrument :
MSVOA_N
ClientSampleId :



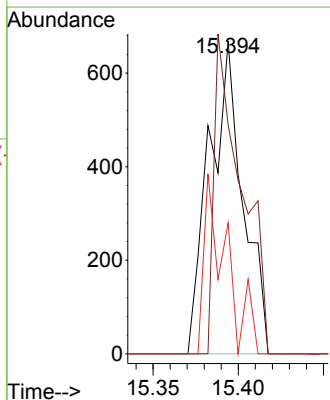
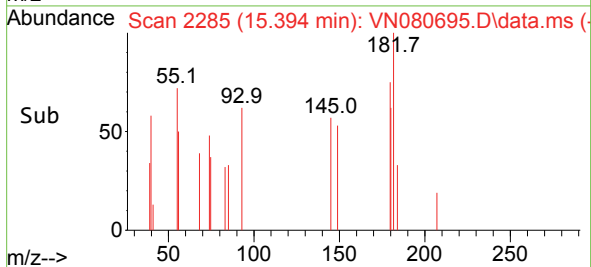
Tgt Ion: 91 Resp: 2359
Ion Ratio Lower Upper
91 100
92 52.3 26.4 79.0
134 4.6 12.6 37.6#

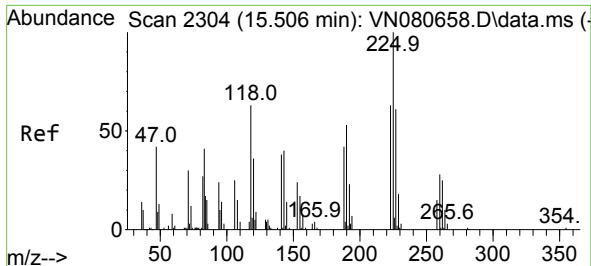


#93
1,2,4-Trichlorobenzene
Concen: 0.440 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. -0.000 min
Lab File: VN080695.D
Acq: 12 Jan 2024 17:19



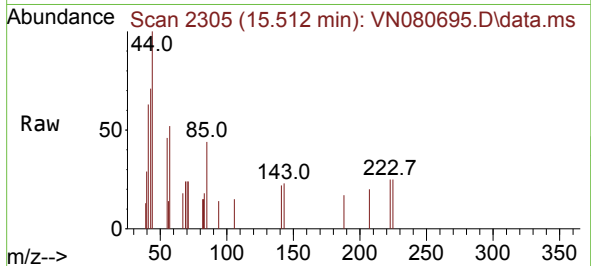
Tgt Ion: 180 Resp: 922
Ion Ratio Lower Upper
180 100
182 83.2 46.1 138.2
145 37.6 16.6 49.8



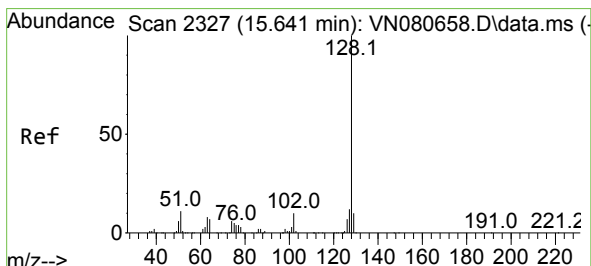
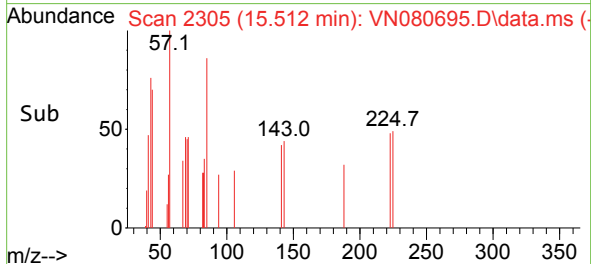
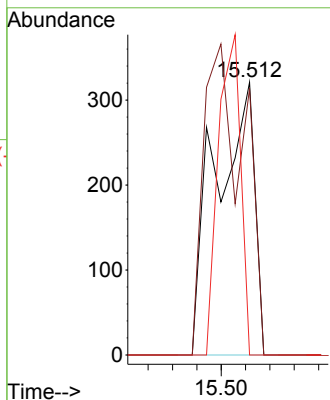


#94
Hexachlorobutadiene
Concen: 0.351 ug/l
RT: 15.512 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN080695.D
Acq: 12 Jan 2024 17:19

Instrument :
MSVOA_N
ClientSampleId :

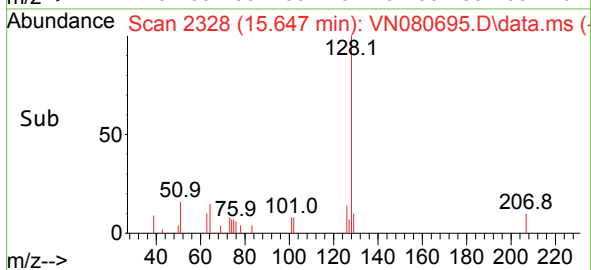
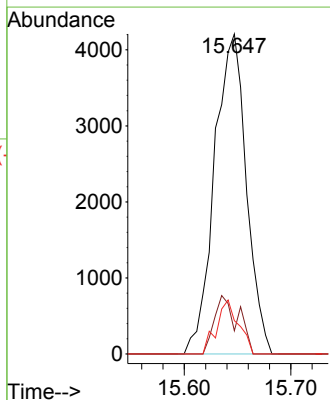
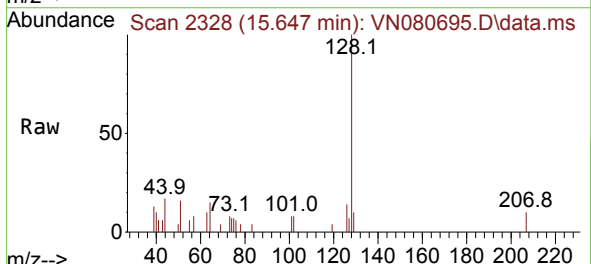


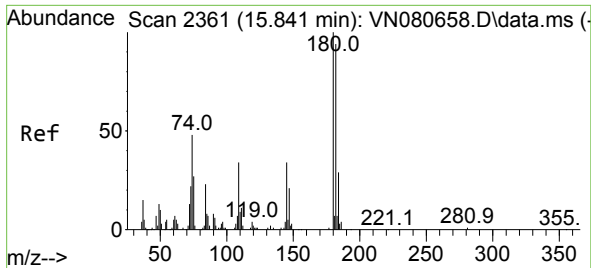
Tgt Ion:225 Resp: 353
Ion Ratio Lower Upper
225 100
223 117.3 31.3 93.8#
227 67.7 31.9 95.9



#95
Naphthalene
Concen: 1.063 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN080695.D
Acq: 12 Jan 2024 17:19

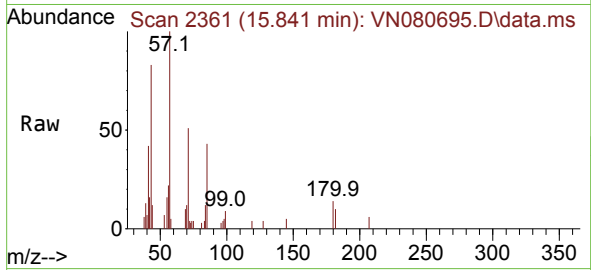
Tgt Ion:128 Resp: 8758
Ion Ratio Lower Upper
128 100
127 13.6 10.0 15.0
129 11.5 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.341 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN080695.D
 Acq: 12 Jan 2024 17:19

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	692
Ion	Ratio	Lower	Upper
180	100		
182	105.1	46.2	138.6
145	51.3	17.5	52.6

