

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011224\
 Data File : VN080693.D
 Acq On : 12 Jan 2024 16:31
 Operator : JC\MD
 Sample : PB158389ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 12 22:15:07 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)

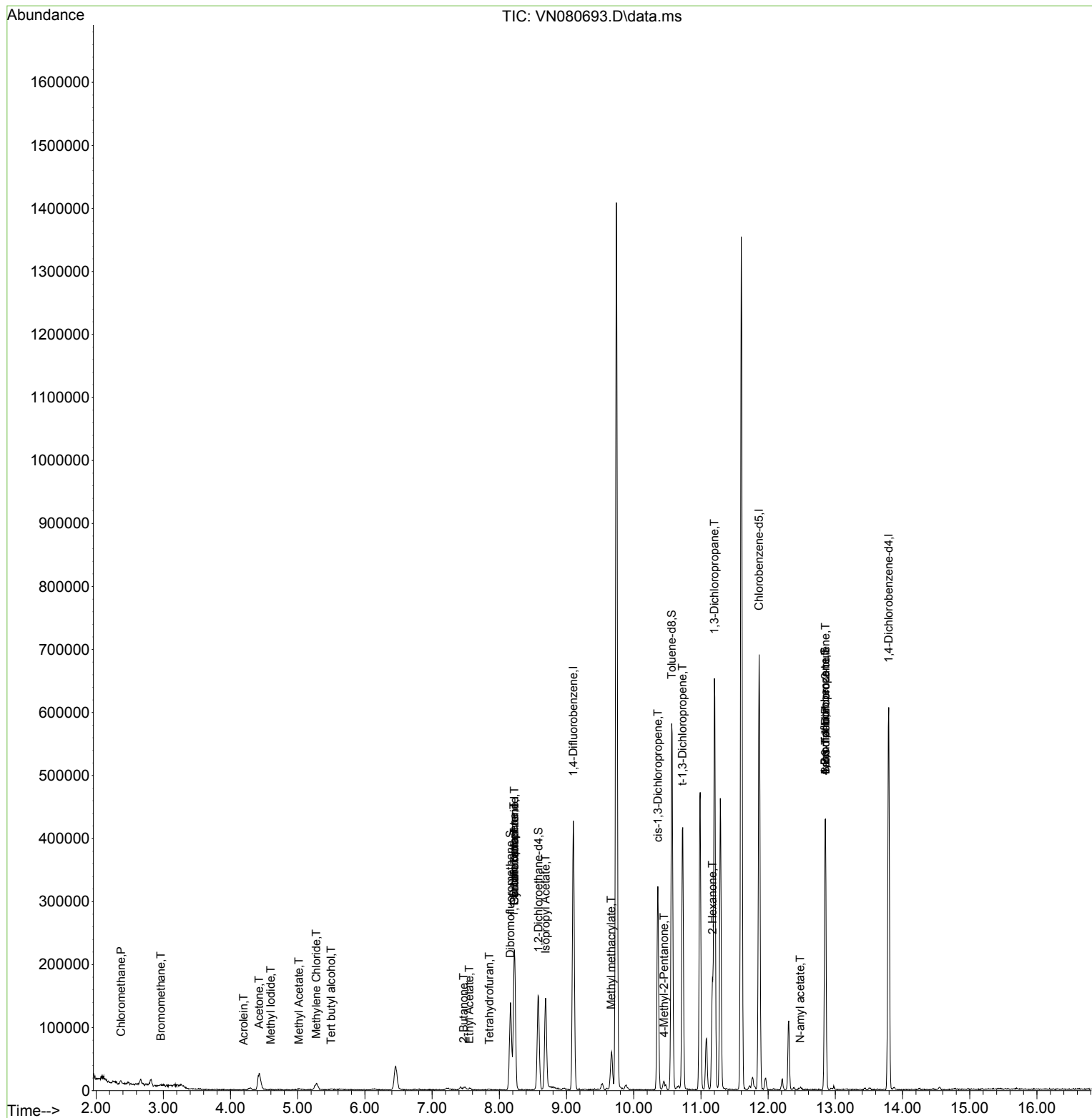
Internal Standards						
1) Pentafluorobenzene	8.224	168	146451	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	338460	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	351437	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	145443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	113771	44.237	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.480%		
35) Dibromofluoromethane	8.165	113	91635	47.651	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.300%		
50) Toluene-d8	10.565	98	381988	52.094	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.180%		
62) 4-Bromofluorobenzene	12.847	95	158644	56.418	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	112.840%		
Target Compounds						Qvalue
3) Chloromethane	2.371	50	6641	1.874	ug/l	97
5) Bromomethane	2.965	94	646	0.787	ug/l #	71
6) Chloroethane	3.130	64	186	Below Cal	#	43
10) Methyl Iodide	4.601	142	694	0.427	ug/l #	38
11) Tert butyl alcohol	5.495	59	566	1.301	ug/l #	63
13) Acrolein	4.195	56	314	0.864	ug/l	85
16) Acetone	4.424	43	50756	60.113	ug/l	94
18) Methyl Acetate	5.018	43	2728	1.085	ug/l #	71
20) Methylene Chloride	5.277	84	7578	3.074	ug/l #	94
25) 2-Butanone	7.471	43	6790	4.449	ug/l #	76
29) Tetrahydrofuran	7.853	42	1048	1.019	ug/l #	29
31) Cyclohexane	8.224	56	5178	1.303	ug/l #	37
36) 1,1-Dichloropropene	8.218	75	16087	4.084	ug/l #	48
37) Ethyl Acetate	7.553	43	1930	0.505	ug/l #	92
38) Carbon Tetrachloride	8.224	117	16387	4.633	ug/l #	15
43) Isopropyl Acetate	8.689	43	175577	25.006	ug/l #	80
48) Methyl methacrylate	9.665	41	4282	1.288	ug/l #	33
51) 4-Methyl-2-Pentanone	10.453	43	9746	2.573	ug/l	91
53) t-1,3-Dichloropropene	10.724	75	1131	0.247	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	57608	11.871	ug/l #	68
57) 1,3-Dichloropropane	11.200	76	6452	1.447	ug/l #	45
59) 2-Hexanone	11.171	43	147661	52.805	ug/l #	19
71) Bromoform	12.853	173	679	0.362	ug/l #	1
74) N-amyl acetate	12.477	43	2390	0.288	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	86082	19.194	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	86082	45.248	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.712	75	149	Below Cal	#	4

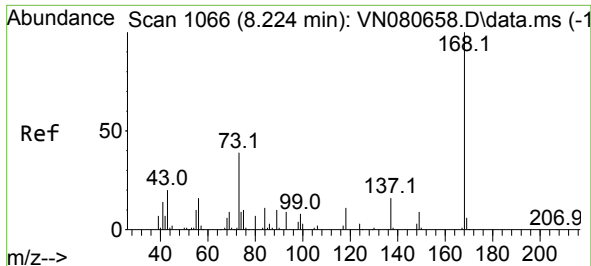
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

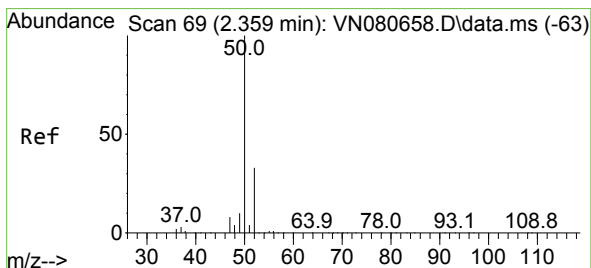
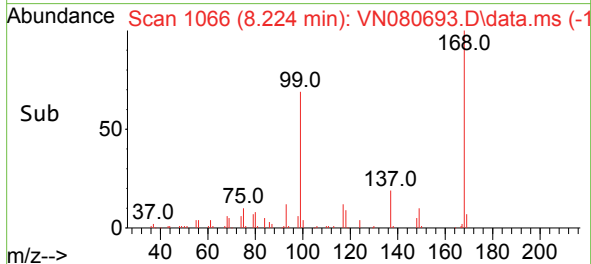
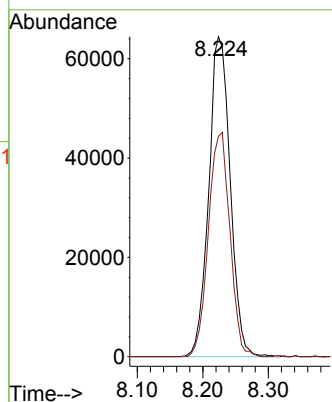
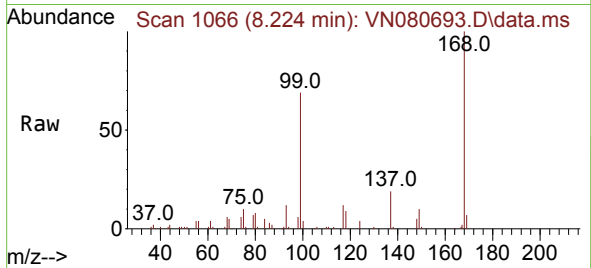




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

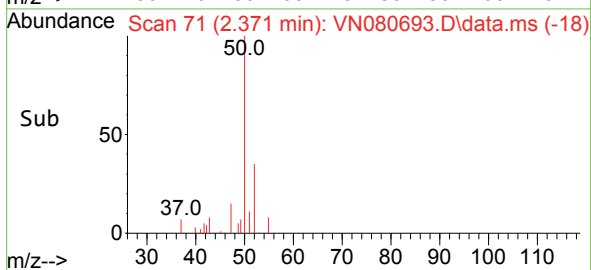
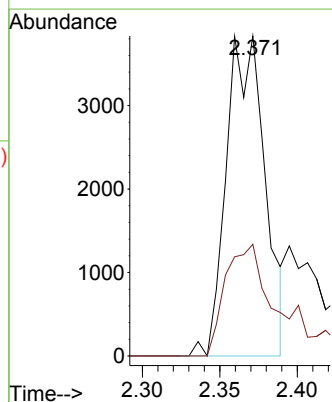
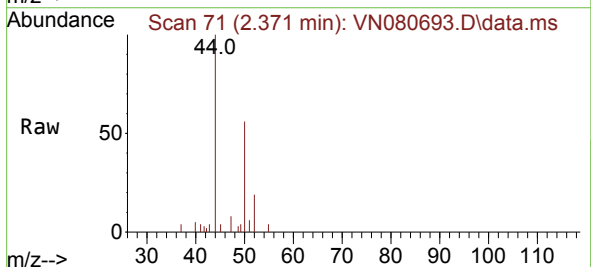
Instrument :
MSVOA_N
ClientSampleId :

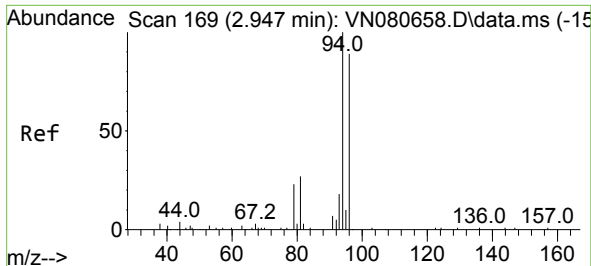
Tgt Ion:168 Resp: 146451
Ion Ratio Lower Upper
168 100
99 68.9 53.0 79.6



#3
Chloromethane
Concen: 1.874 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

Tgt Ion: 50 Resp: 6641
Ion Ratio Lower Upper
50 100
52 34.9 26.5 39.7

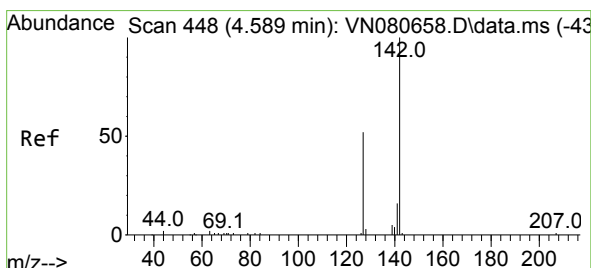
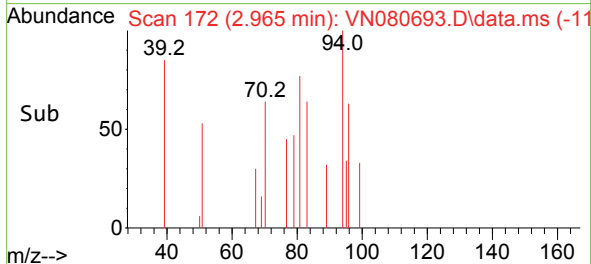
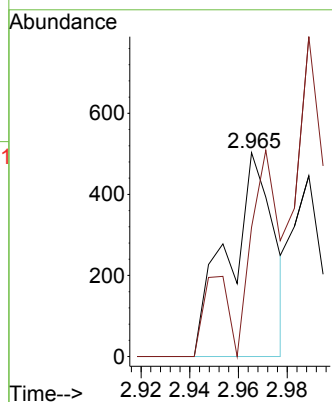
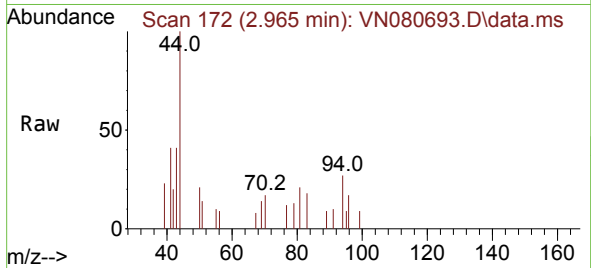




#5
Bromomethane
Concen: 0.787 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

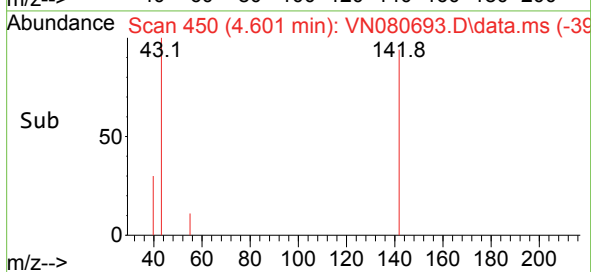
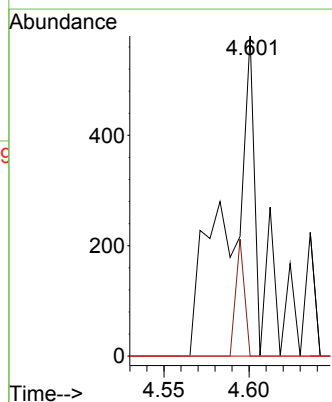
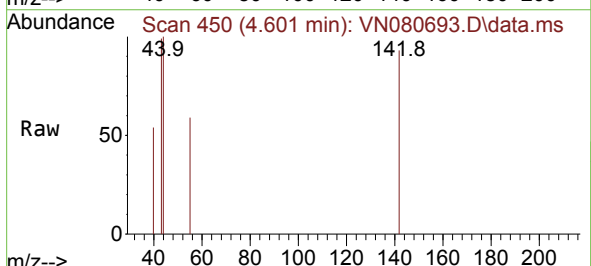
Instrument :
MSVOA_N
ClientSampleId :

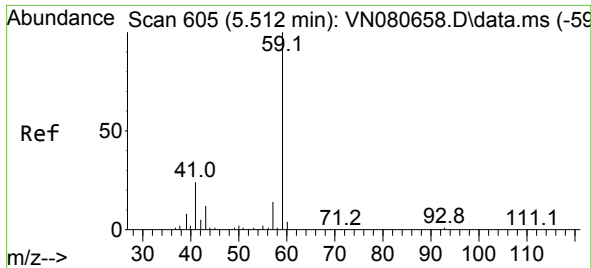
Tgt Ion: 94 Resp: 646
Ion Ratio Lower Upper
94 100
96 63.4 73.1 109.7#



#10
Methyl Iodide
Concen: 0.427 ug/l
RT: 4.601 min Scan# 450
Delta R.T. 0.012 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

Tgt Ion:142 Resp: 694
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.0#

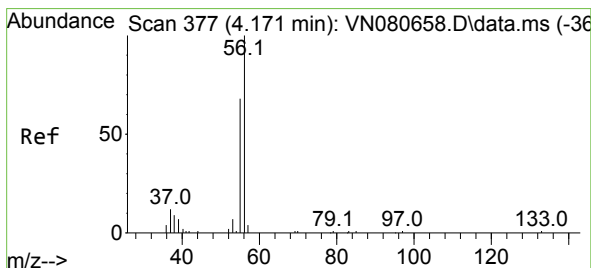
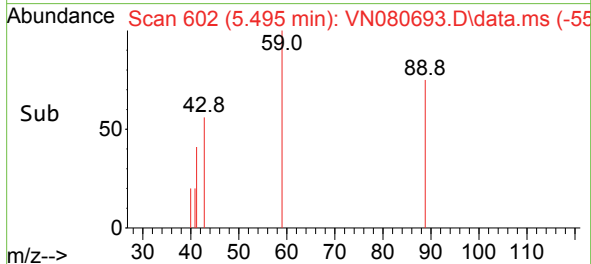
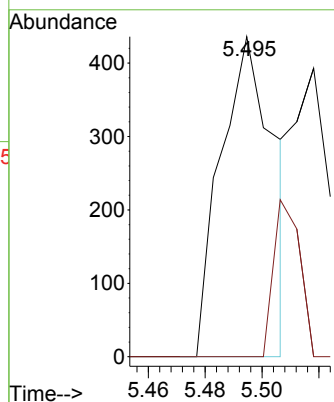
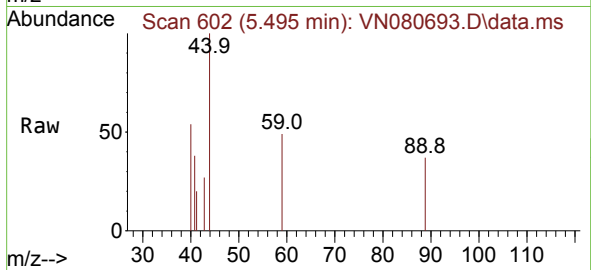




#11
Tert butyl alcohol
Concen: 1.301 ug/l
RT: 5.495 min Scan# 605
Delta R.T. -0.017 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

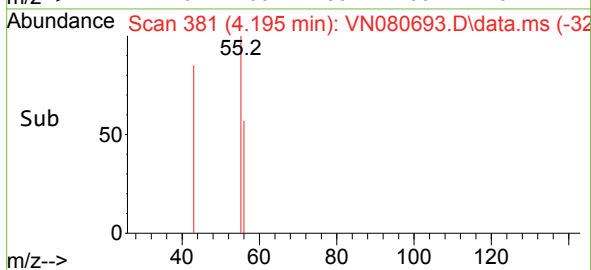
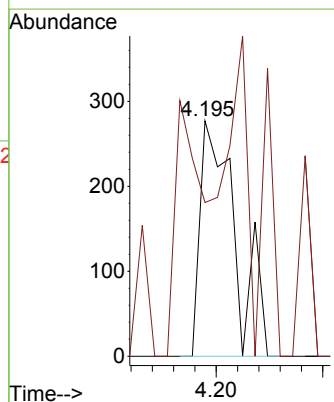
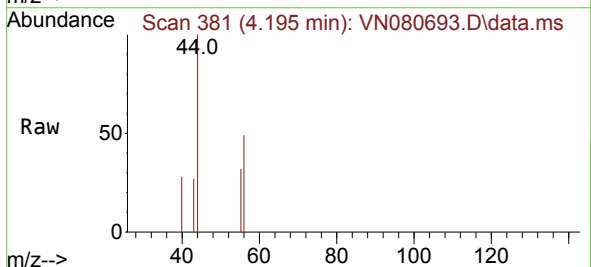
Instrument :
MSVOA_N
ClientSampleId :

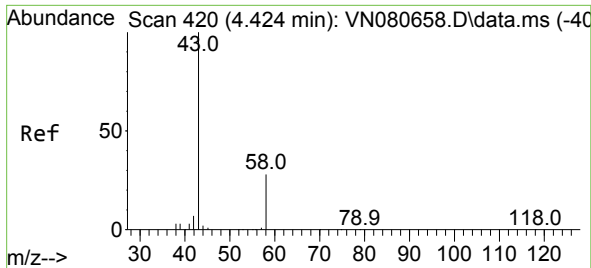
Tgt Ion: 59 Resp: 566
Ion Ratio Lower Upper
59 100
57 24.2 8.2 12.4#



#13
Acrolein
Concen: 0.864 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.024 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

Tgt Ion: 56 Resp: 314
Ion Ratio Lower Upper
56 100
55 80.3 54.5 81.7

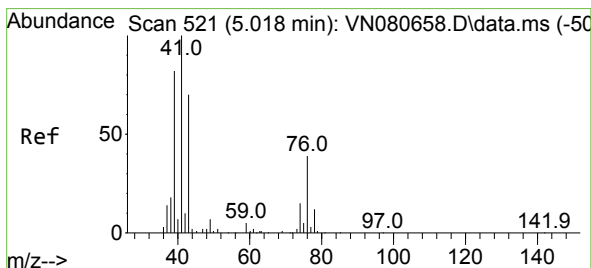
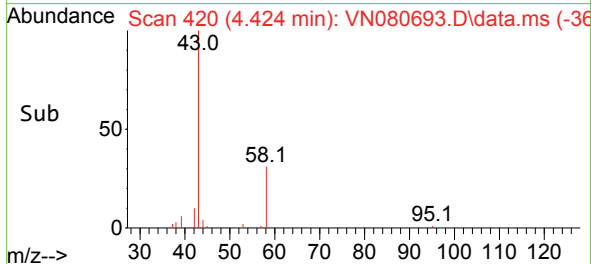
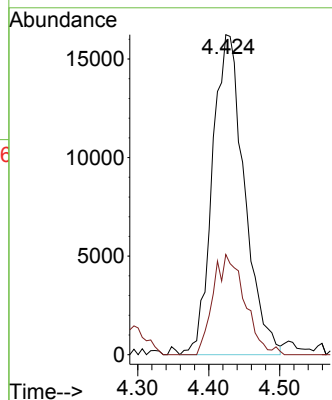
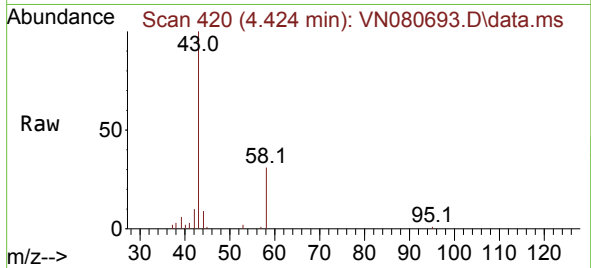




#16
Acetone
Concen: 60.113 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

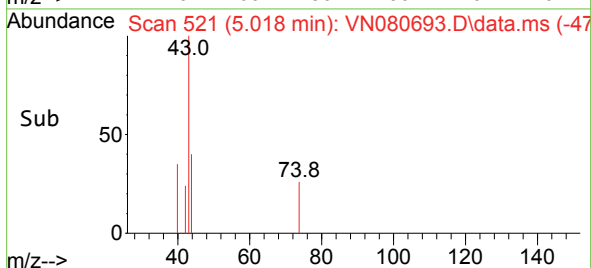
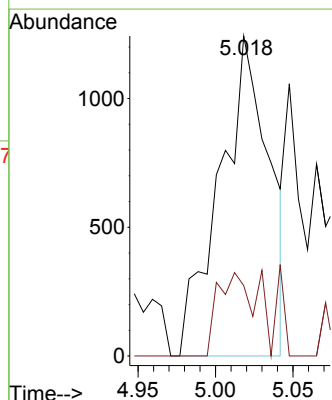
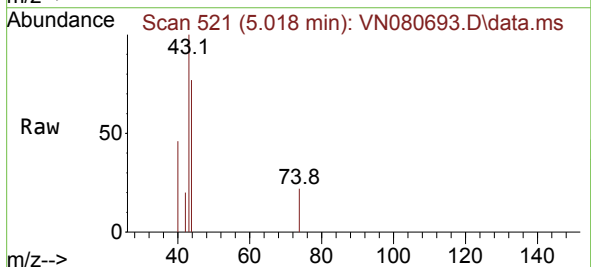
Instrument :
MSVOA_N
ClientSampleId :

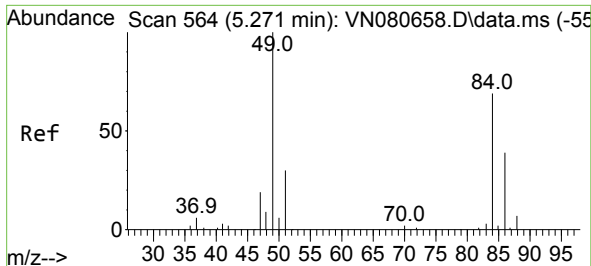
Tgt Ion: 43 Resp: 50756
Ion Ratio Lower Upper
43 100
58 31.3 28.0 42.0



#18
Methyl Acetate
Concen: 1.085 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

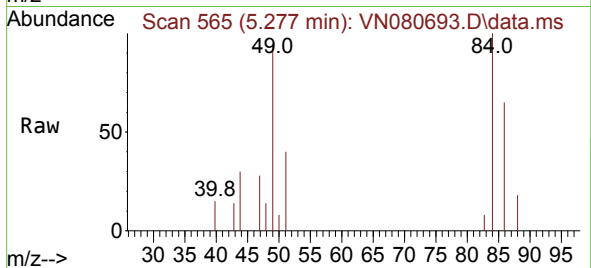
Tgt Ion: 43 Resp: 2728
Ion Ratio Lower Upper
43 100
74 16.5 26.2 39.4#



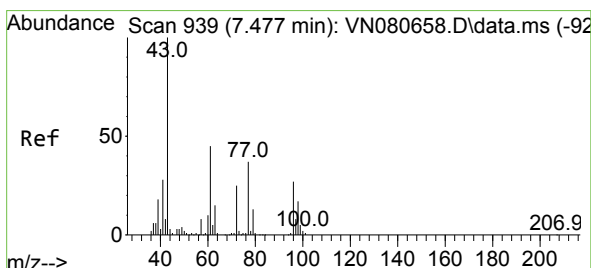
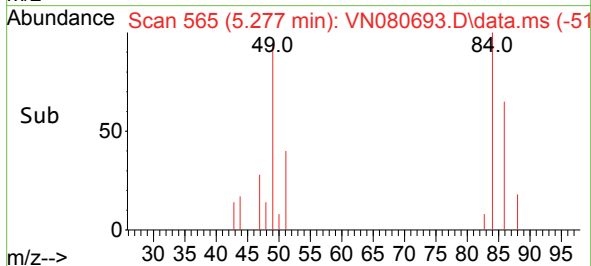
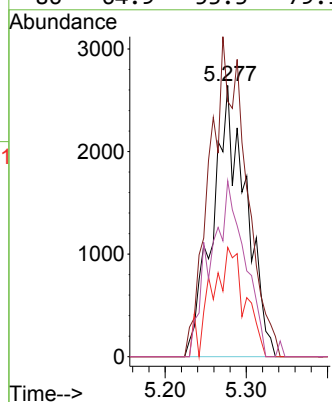


#20
Methylene Chloride
Concen: 3.074 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

Instrument :
MSVOA_N
ClientSampleId :

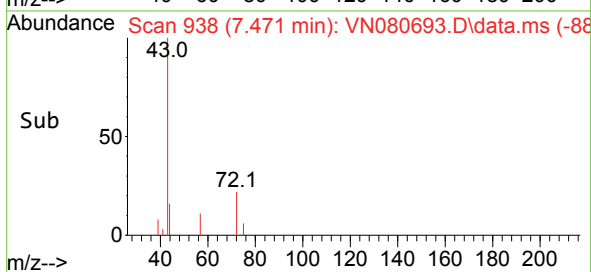
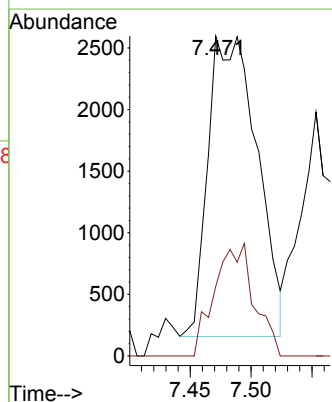
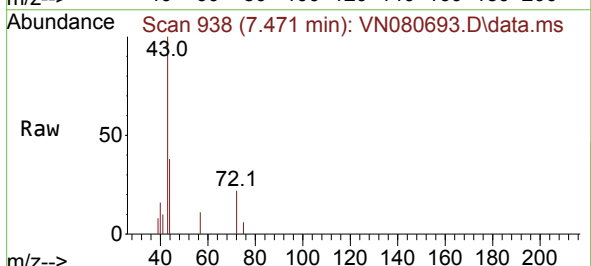


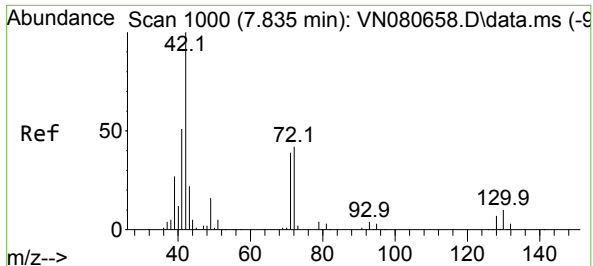
Tgt Ion:	84	Resp:	7578
Ion	Ratio	Lower	Upper
84	100		
49	94.1	79.7	119.5
51	40.3	25.2	37.8#
86	64.9	53.3	79.9



#25
2-Butanone
Concen: 4.449 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.006 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

Tgt Ion:	43	Resp:	6790
Ion	Ratio	Lower	Upper
43	100		
72	23.1	30.2	45.2#





#29

Tetrahydrofuran

Concen: 1.019 ug/l

RT: 7.853 min Scan# 1048

Delta R.T. 0.018 min

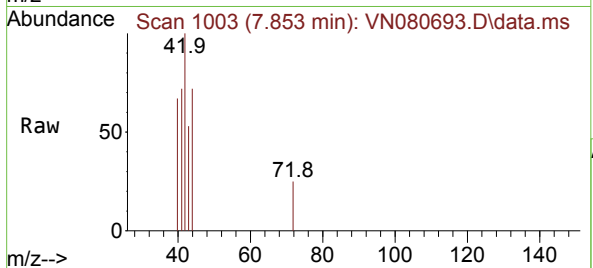
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Acq: 12 Jan 2024 16:31

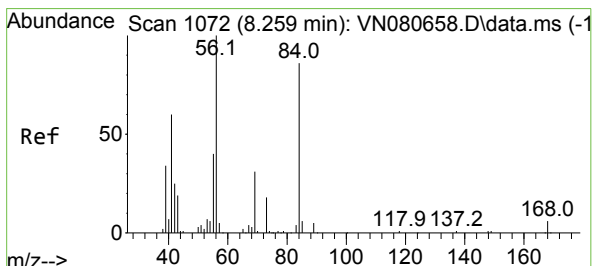
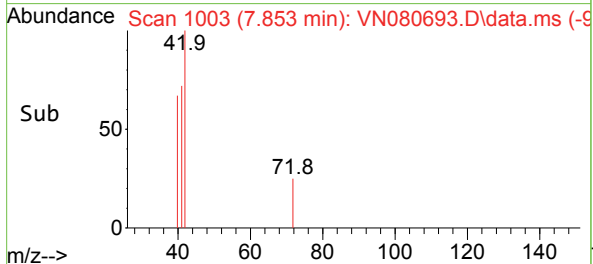
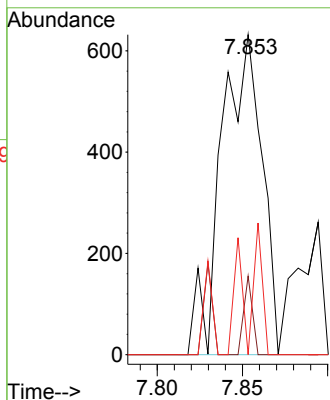
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	1048
Ion Ratio	100	Lower	Upper
72	5.2	49.8	74.6#
71	7.8	47.4	71.2#



#31

Cyclohexane

Concen: 1.303 ug/l

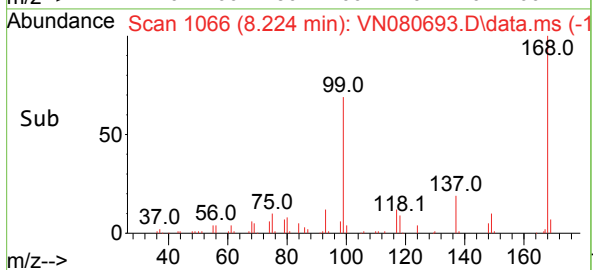
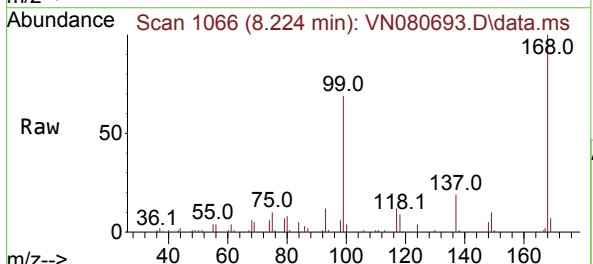
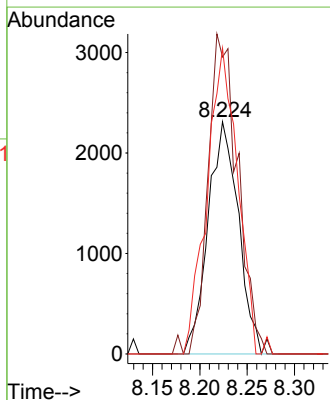
RT: 8.224 min Scan# 1066

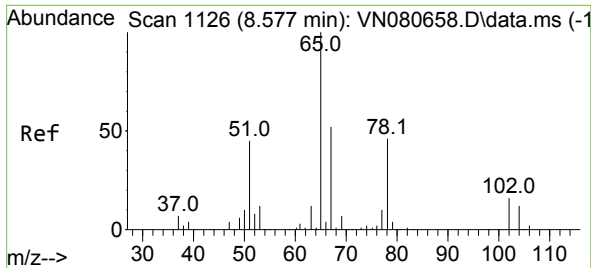
Delta R.T. -0.035 min

Lab File: VN080693.D

Acq: 12 Jan 2024 16:31

Tgt Ion:	56	Resp:	5178
Ion Ratio	100	Lower	Upper
69	127.9	26.8	40.2#
84	131.7	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 44.237 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080693.D

Acq: 12 Jan 2024 16:31

Instrument :

MSVOA_N

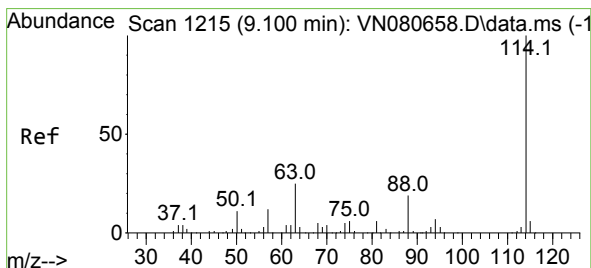
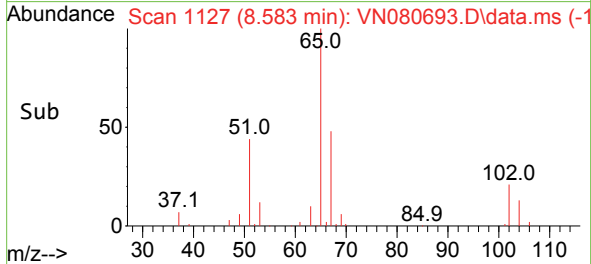
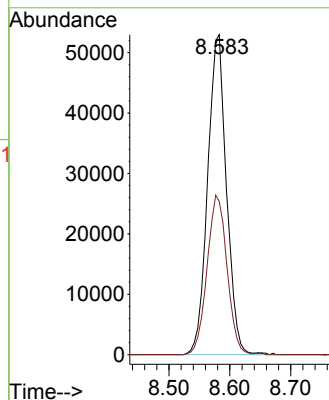
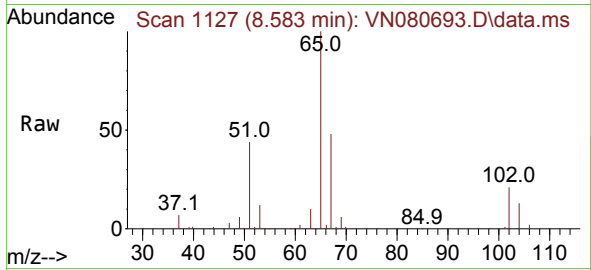
ClientSampleId :

Tgt Ion: 65 Resp: 113771

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080693.D

Acq: 12 Jan 2024 16:31

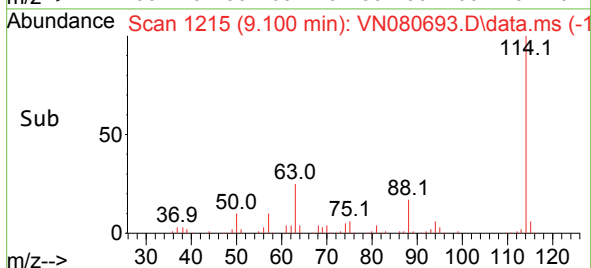
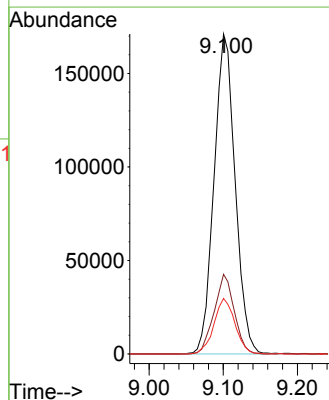
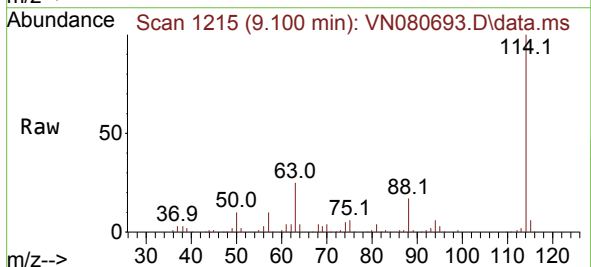
Tgt Ion: 114 Resp: 338460

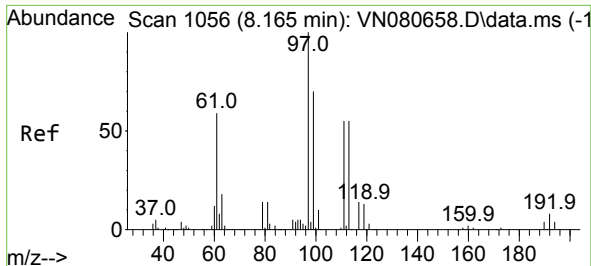
Ion Ratio Lower Upper

114 100

63 24.9 0.0 36.4

88 17.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 47.651 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

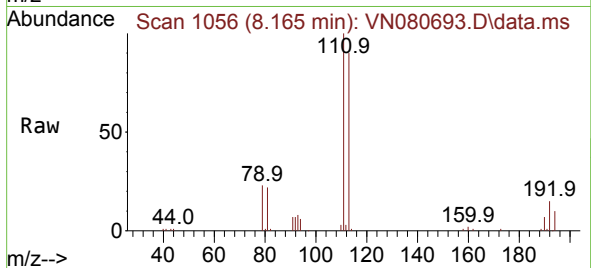
Lab File: VN080693.D

Acq: 12 Jan 2024 16:31

Instrument :

MSVOA_N

ClientSampleId :



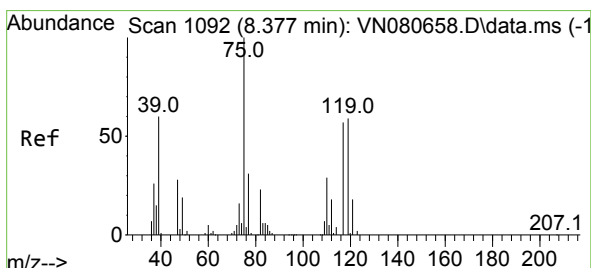
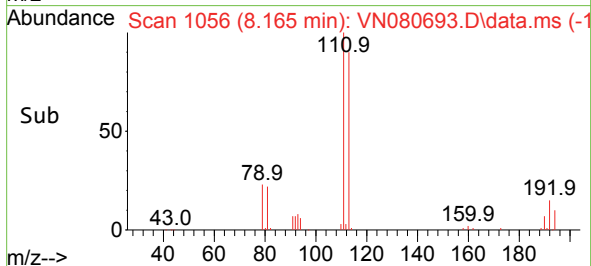
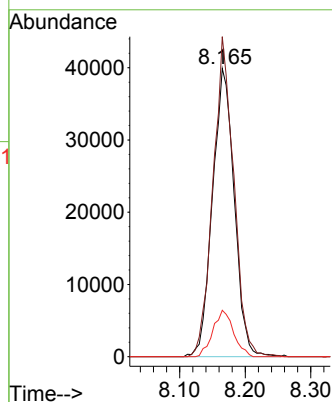
Tgt Ion:113 Resp: 91635

Ion Ratio Lower Upper

113 100

111 106.3 82.6 123.8

192 15.3 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.084 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.159 min

Lab File: VN080693.D

Acq: 12 Jan 2024 16:31

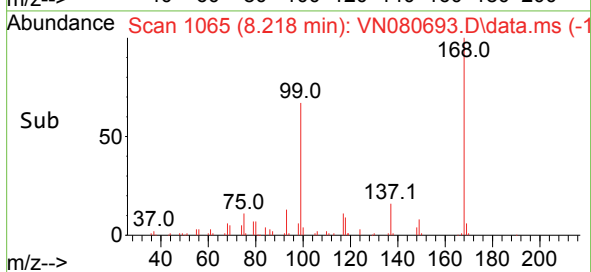
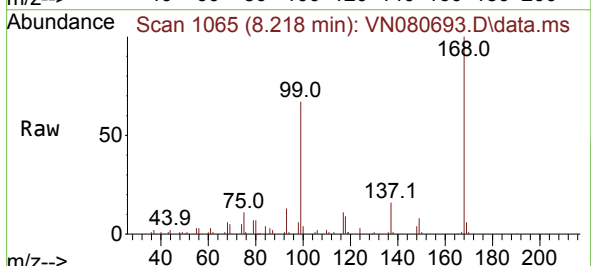
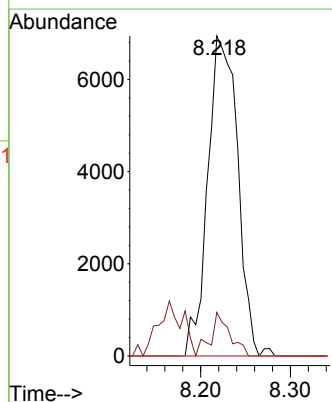
Tgt Ion: 75 Resp: 16087

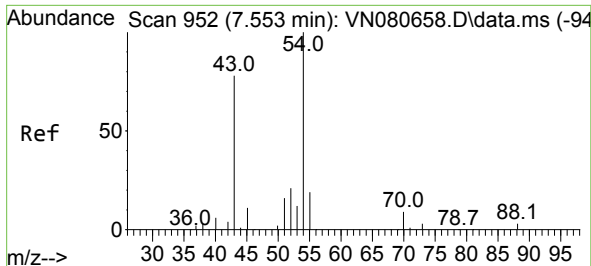
Ion Ratio Lower Upper

75 100

110 8.7 19.1 57.3#

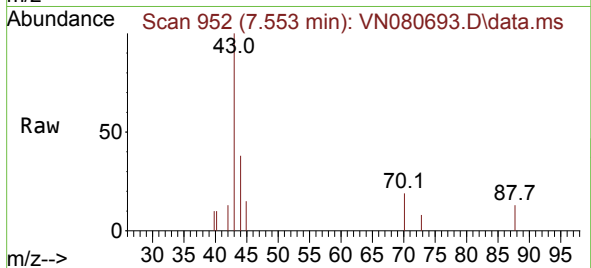
77 0.0 25.0 37.4#



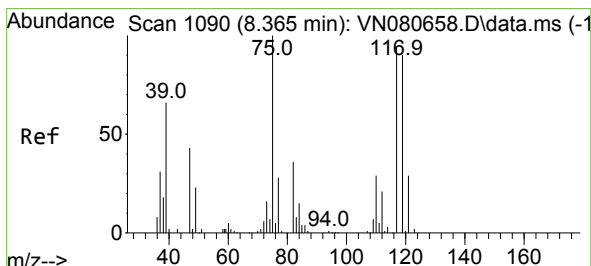
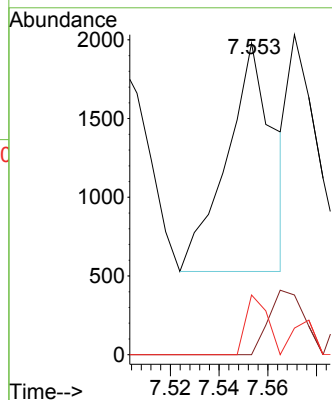
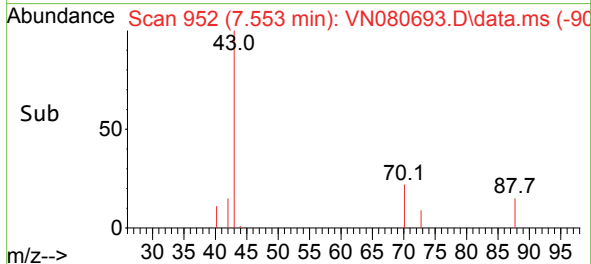


#37
Ethyl Acetate
Concen: 0.505 ug/l
RT: 7.553 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

Instrument :
MSVOA_N
ClientSampleId :

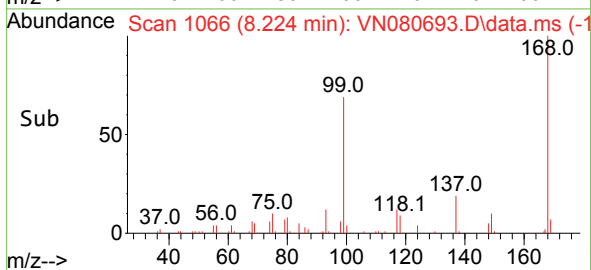
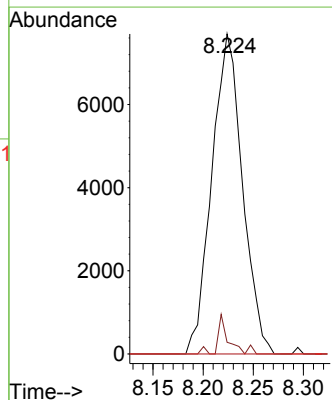
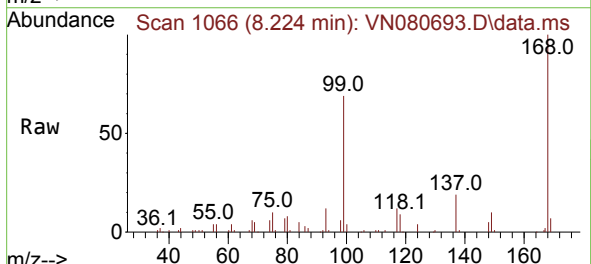


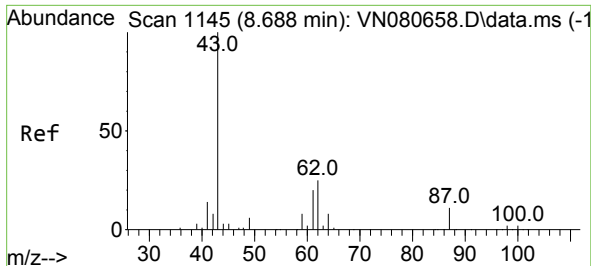
Tgt Ion: 43 Resp: 1930
Ion Ratio Lower Upper
43 100
61 21.1 13.2 19.8#
70 12.0 11.3 16.9



#38
Carbon Tetrachloride
Concen: 4.633 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

Tgt Ion: 117 Resp: 16387
Ion Ratio Lower Upper
117 100
119 3.7 77.3 115.9#
121 0.0 23.3 34.9#

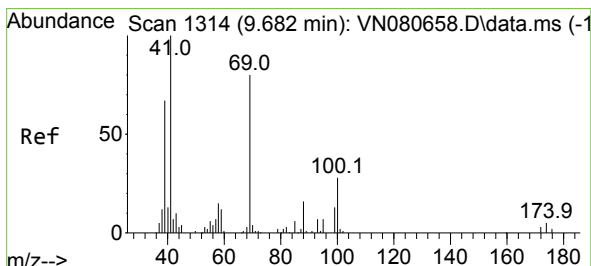
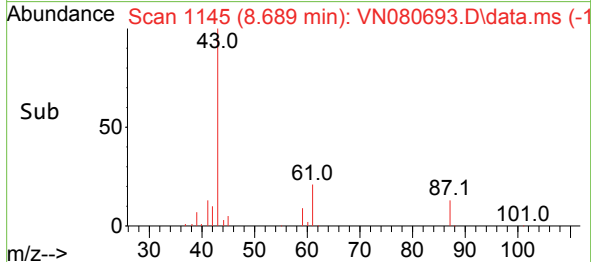
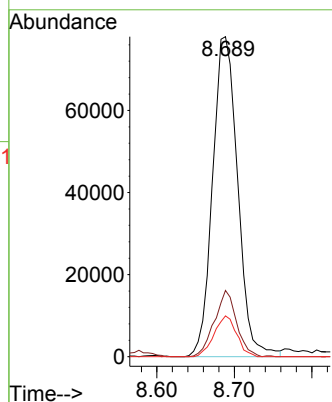
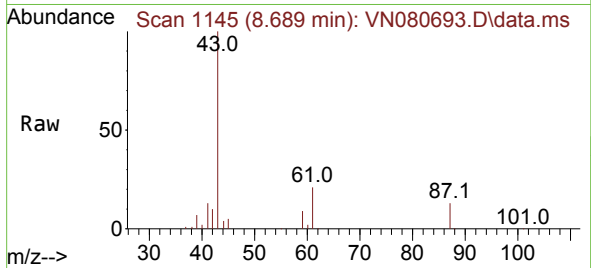




#43
Isopropyl Acetate
Concen: 25.006 ug/l
RT: 8.689 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

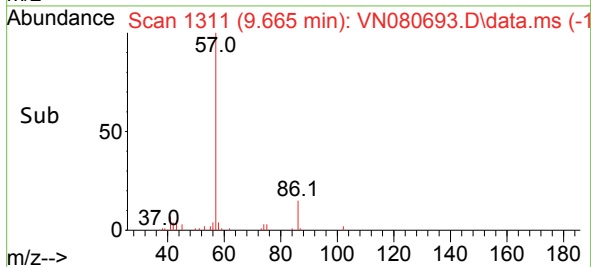
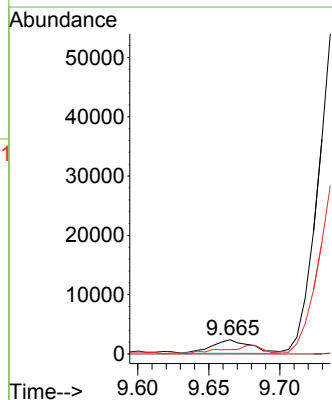
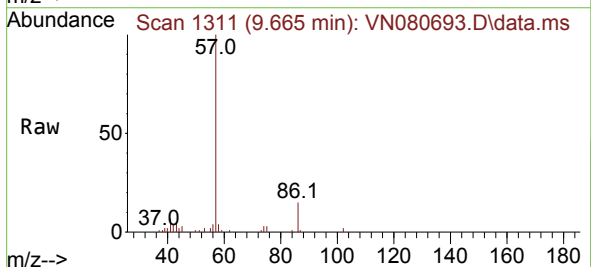
Instrument :
MSVOA_N
ClientSampleId :

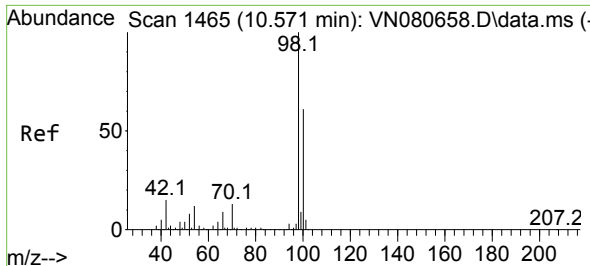
Tgt Ion: 43 Resp: 175577
Ion Ratio Lower Upper
43 100
61 18.4 24.7 37.1#
87 11.4 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.288 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.017 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

Tgt Ion: 41 Resp: 4282
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 66.1 54.6 81.8

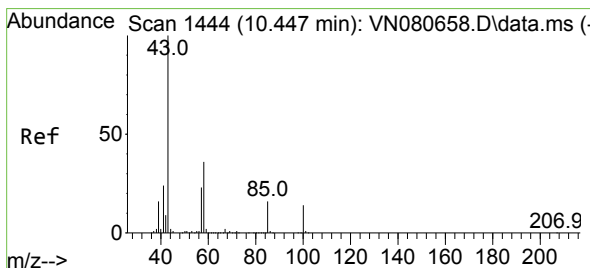
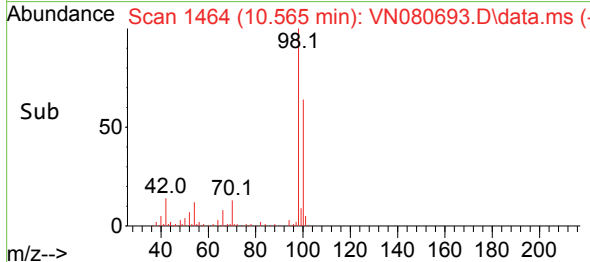
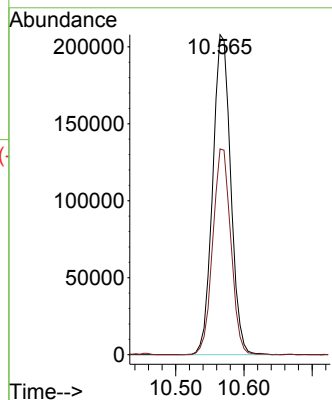
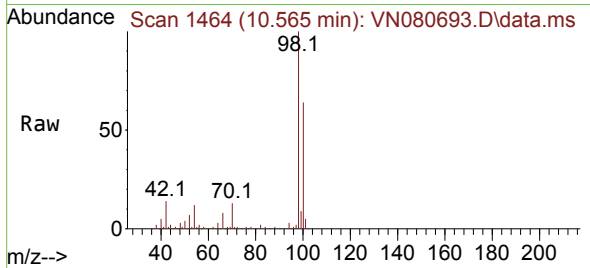




#50
Toluene-d8
Concen: 52.094 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

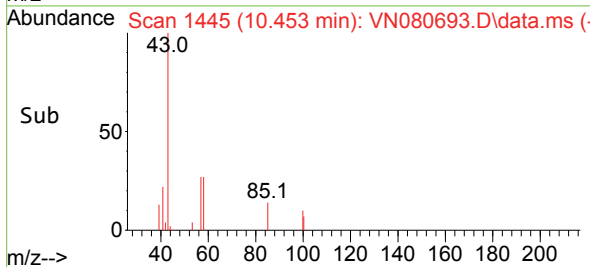
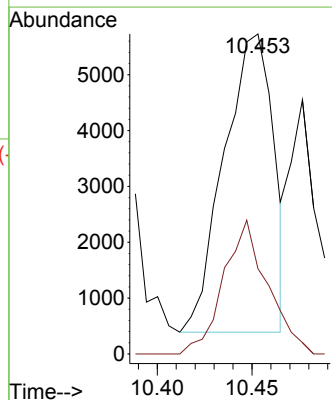
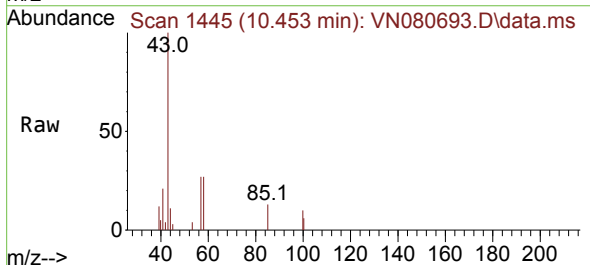
Instrument :
MSVOA_N
ClientSampleId :

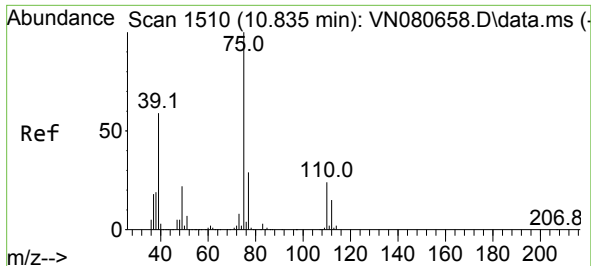
Tgt Ion: 98 Resp: 381988
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.573 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

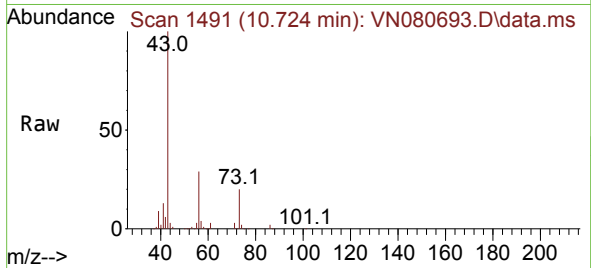
Tgt Ion: 43 Resp: 9746
Ion Ratio Lower Upper
43 100
58 39.7 36.6 54.8



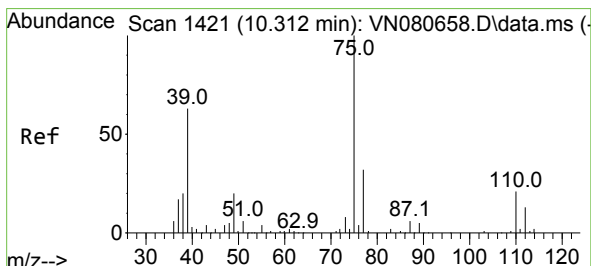
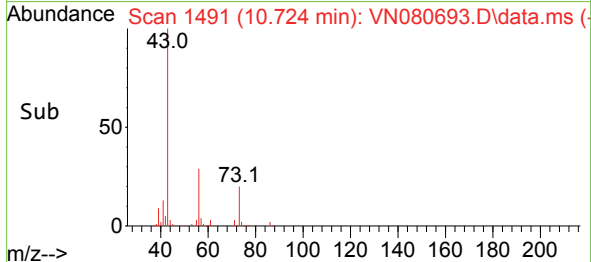
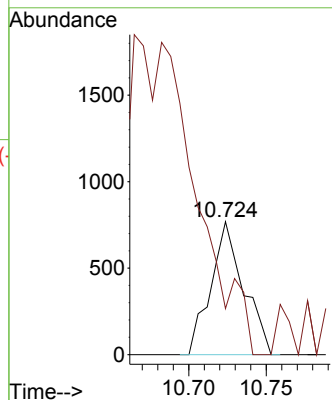


#53
t-1,3-Dichloropropene
Concen: 0.247 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

Instrument :
MSVOA_N
ClientSampleId :

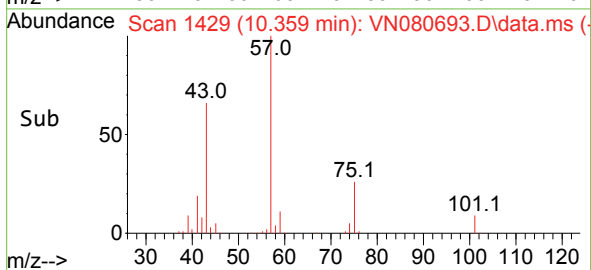
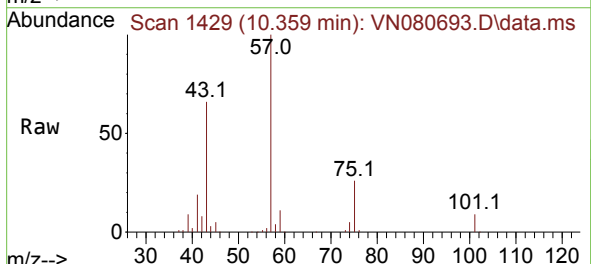
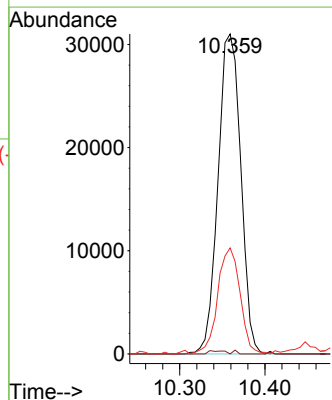


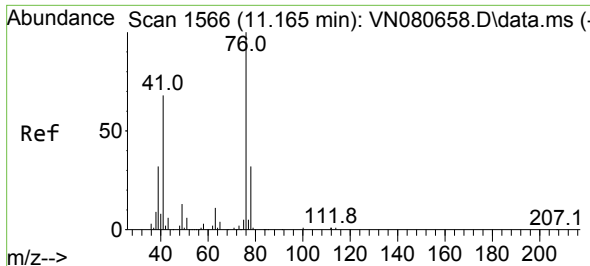
Tgt Ion: 75 Resp: 1131
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 11.871 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

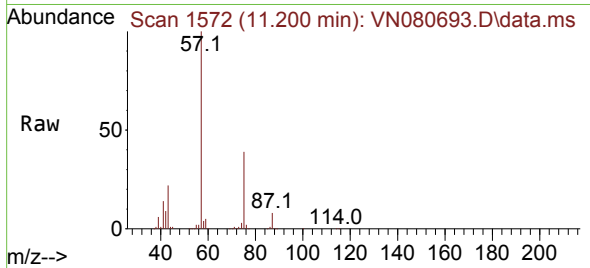
Tgt Ion: 75 Resp: 57608
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 32.6 31.6 47.4



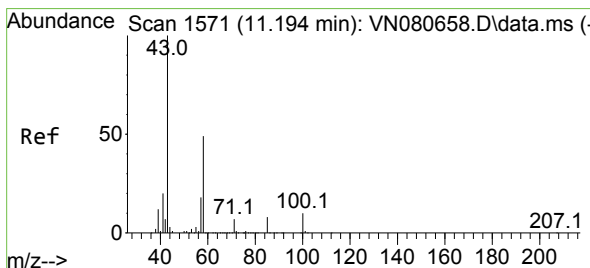
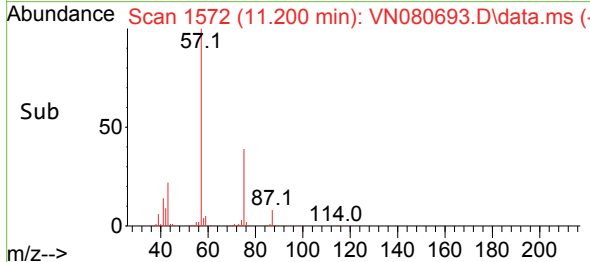
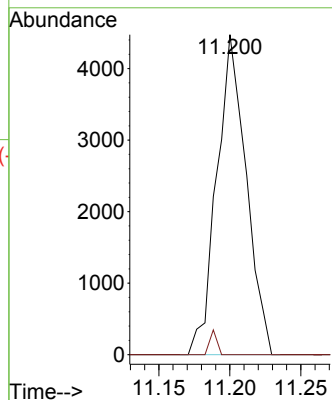


#57
1,3-Dichloropropane
Concen: 1.447 ug/l
RT: 11.200 min Scan# 1567
Delta R.T. 0.036 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

Instrument :
MSVOA_N
ClientSampleId :

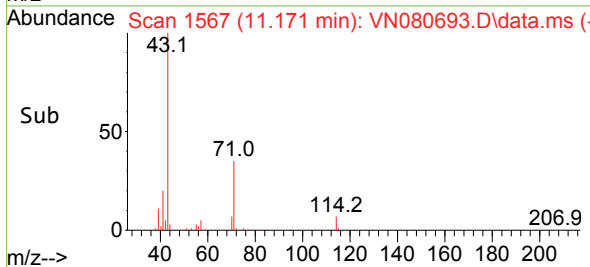
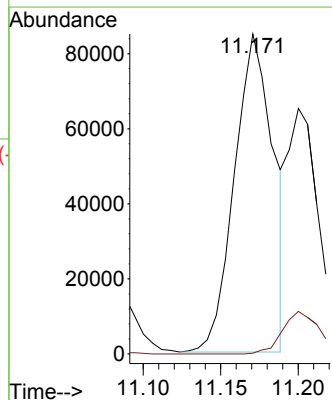
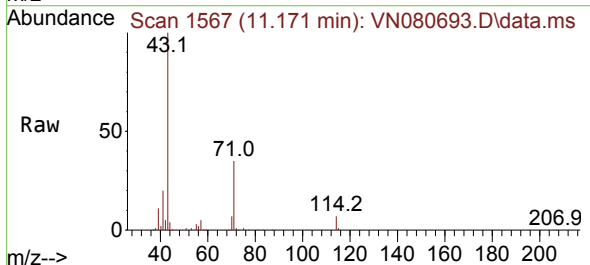


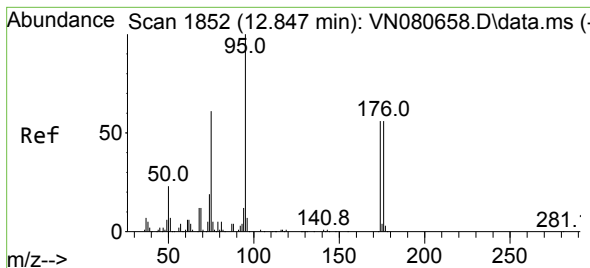
Tgt Ion: 76 Resp: 6452
Ion Ratio Lower Upper
76 100
78 1.9 26.1 39.1#



#59
2-Hexanone
Concen: 52.805 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

Tgt Ion: 43 Resp: 147661
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

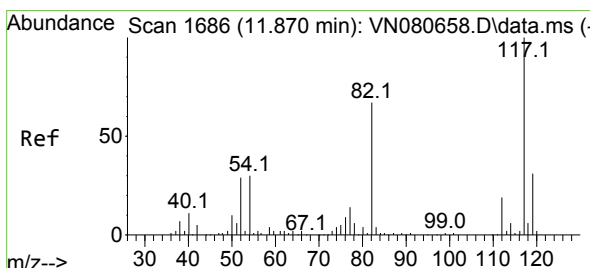
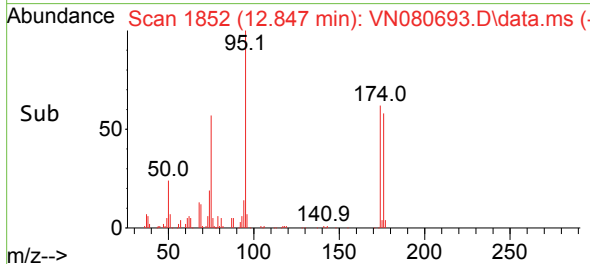
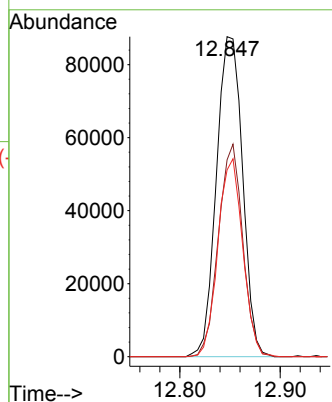
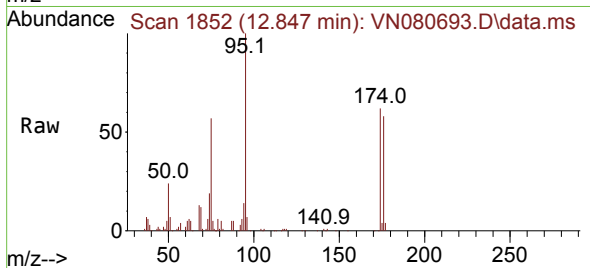




#62
4-Bromofluorobenzene
Concen: 56.418 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

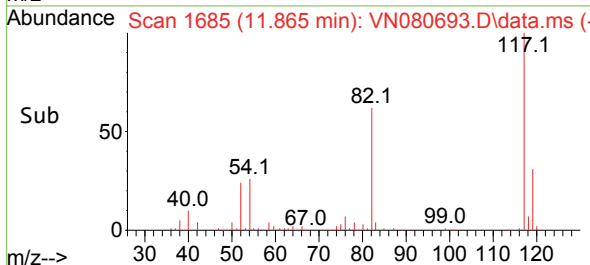
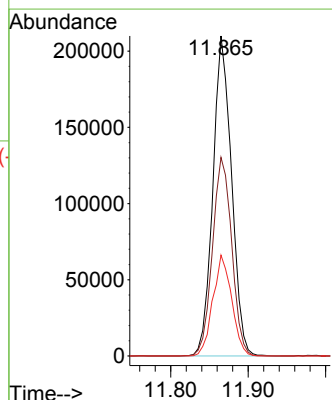
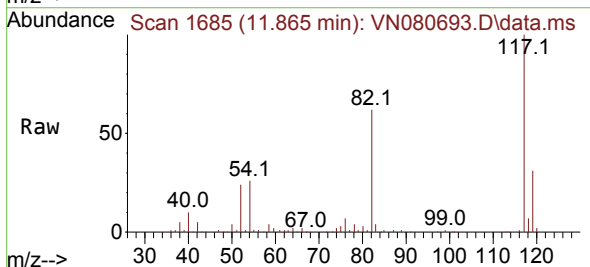
Instrument :
MSVOA_N
ClientSampleId :

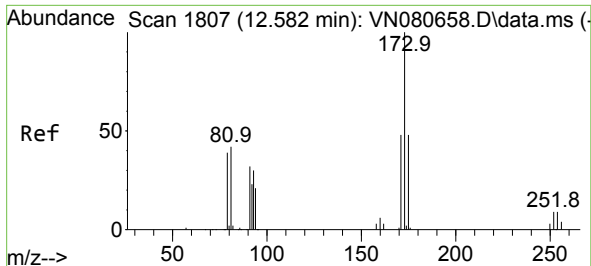
Tgt Ion: 95 Resp: 158644
Ion Ratio Lower Upper
95 100
174 61.7 0.0 143.8
176 58.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

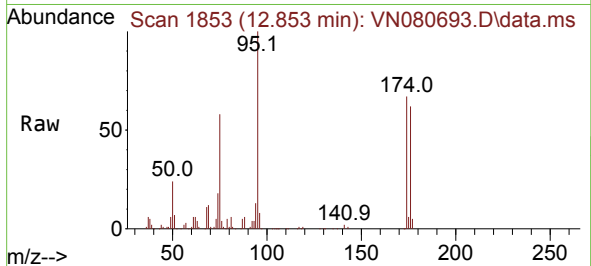
Tgt Ion: 117 Resp: 351437
Ion Ratio Lower Upper
117 100
82 62.1 44.0 66.0
119 31.5 25.6 38.4



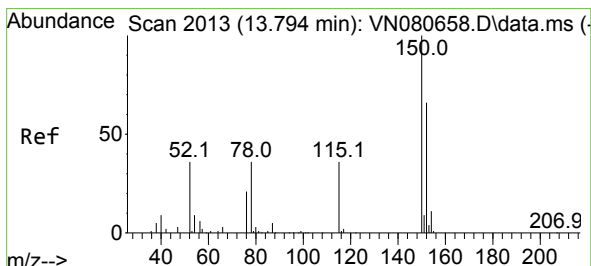
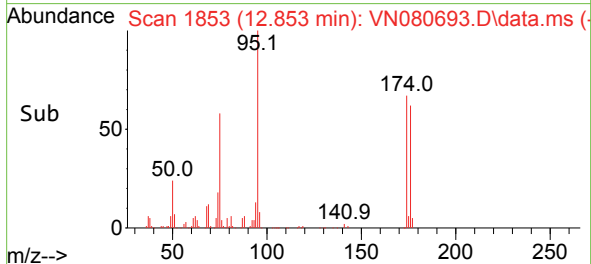
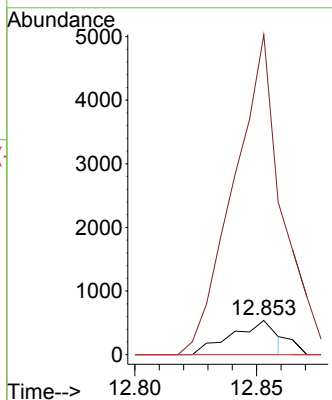


#71
Bromoform
Concen: 0.362 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.271 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

Instrument :
MSVOA_N
ClientSampleId :

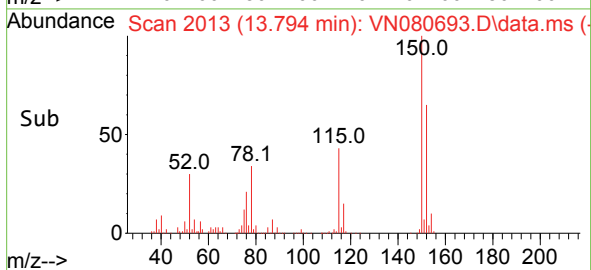
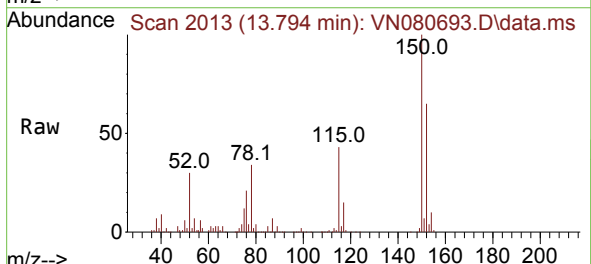
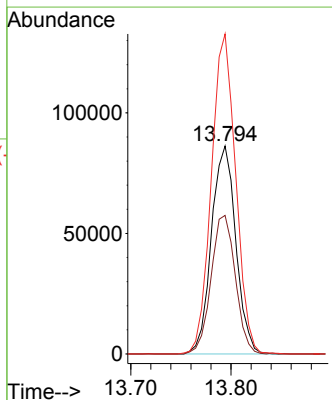


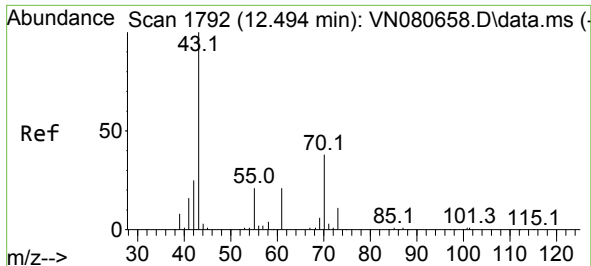
Tgt Ion:173 Resp: 679
Ion Ratio Lower Upper
173 100
175 874.2 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

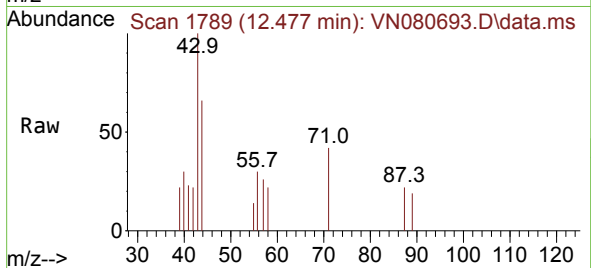
Tgt Ion:152 Resp: 145443
Ion Ratio Lower Upper
152 100
115 66.3 32.3 96.8
150 153.4 0.0 355.8



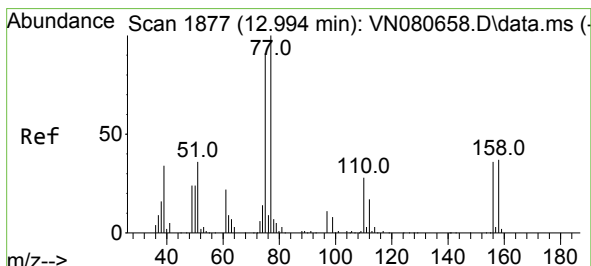
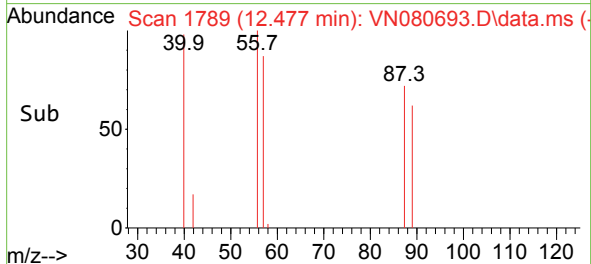
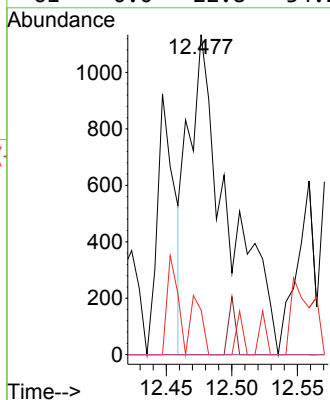


#74
N-amy1 acetate
Concen: 0.288 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

Instrument :
MSVOA_N
ClientSampleId :

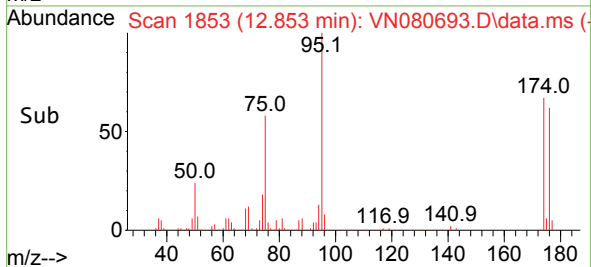
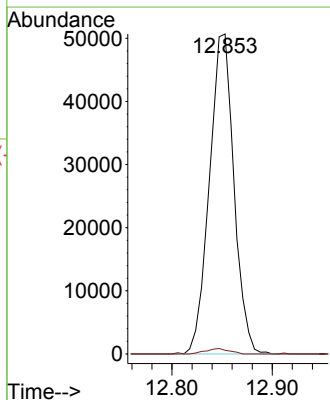
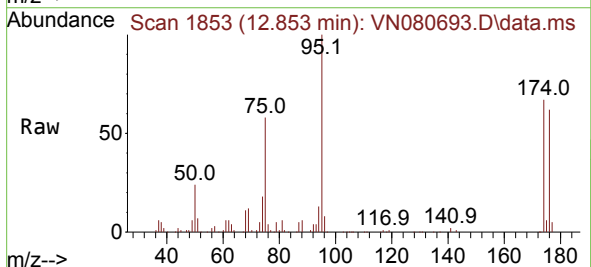


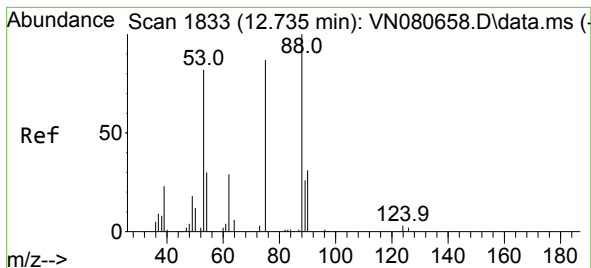
Tgt Ion: 43 Resp: 2390
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 5.4 21.4 32.0#
61 0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 19.194 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

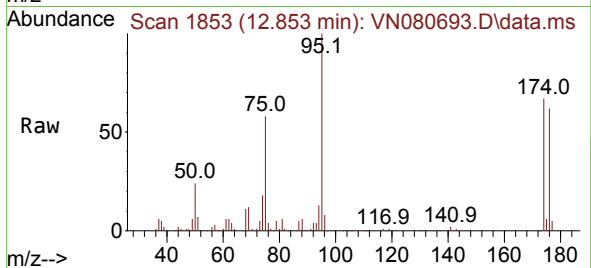
Tgt Ion: 75 Resp: 86082
Ion Ratio Lower Upper
75 100
77 1.6 84.5 253.5#



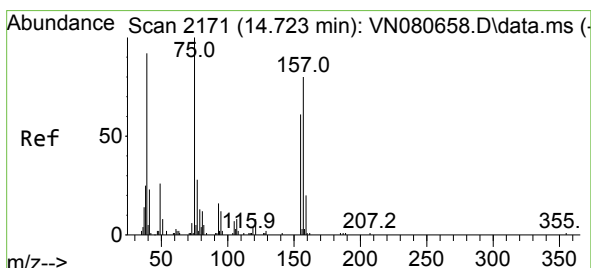
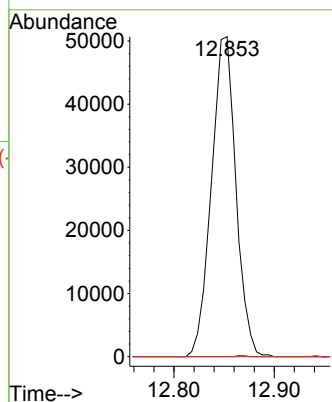
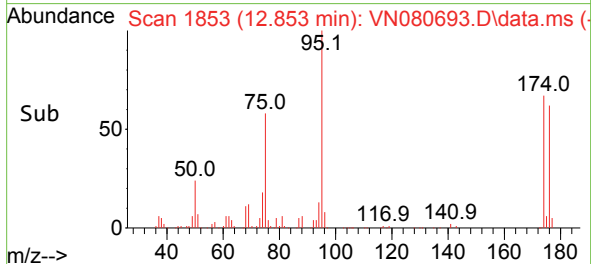


#81
trans-1,4-Dichloro-2-butene
Concen: 45.248 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 86082
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.712 min Scan# 2169
Delta R.T. -0.011 min
Lab File: VN080693.D
Acq: 12 Jan 2024 16:31

Tgt Ion: 75 Resp: 149
Ion Ratio Lower Upper
75 100
155 0.0 39.1 117.2#
157 0.0 50.3 150.9#

