

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011224\
 Data File : VN080689.D
 Acq On : 12 Jan 2024 14:57
 Operator : JC\MD
 Sample : PB158389ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 12 22:13:14 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)

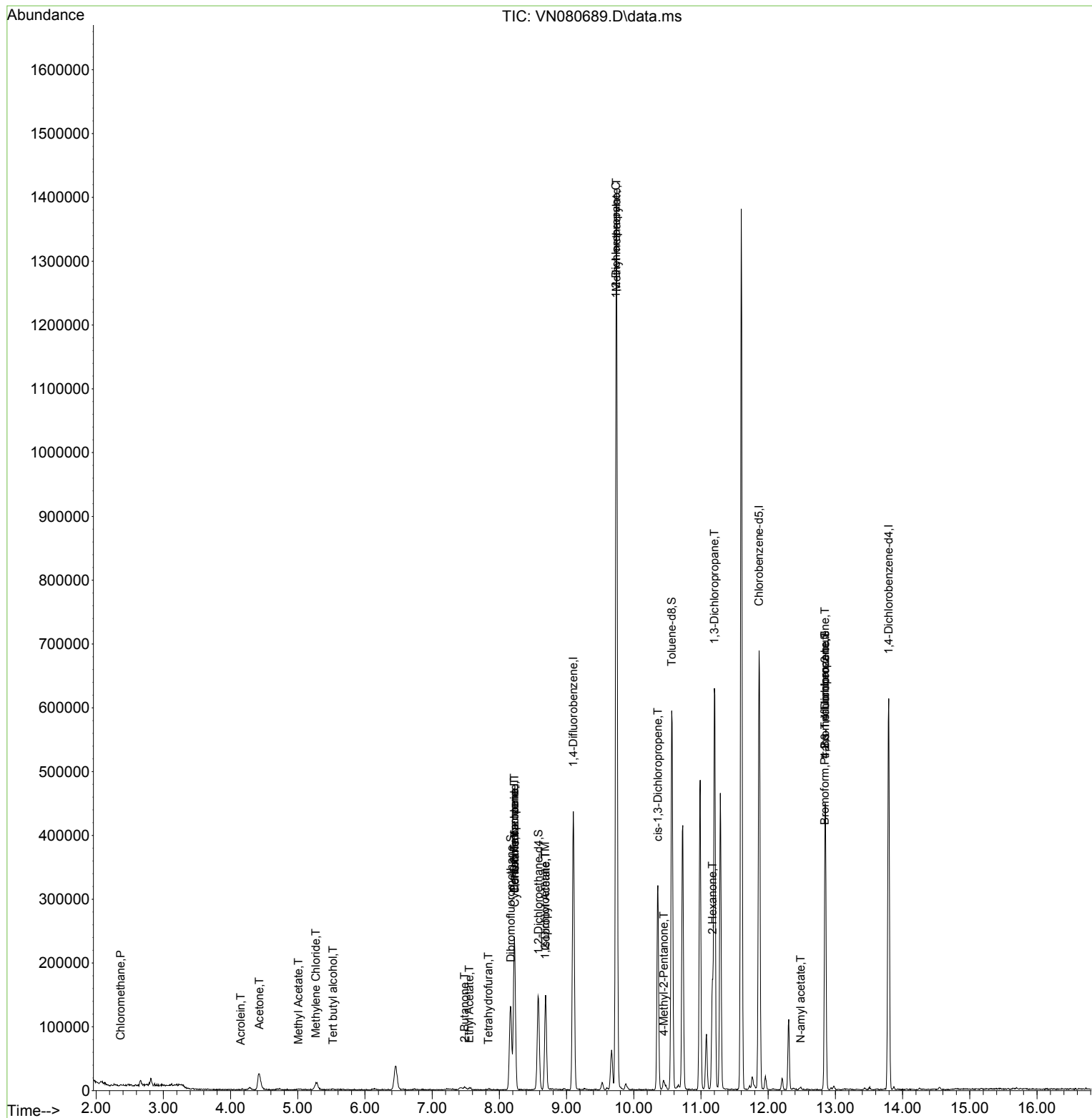
Internal Standards						
1) Pentafluorobenzene	8.224	168	151918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	348028	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	358727	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	116101	43.519	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.040%		
35) Dibromofluoromethane	8.171	113	94526	47.803	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.600%		
50) Toluene-d8	10.565	98	385164	51.083	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.160%		
62) 4-Bromofluorobenzene	12.847	95	160153	55.389	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.780%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	3624	0.659	ug/l #	72
6) Chloroethane	3.106	64	54	Below Cal	#	43
11) Tert butyl alcohol	5.524	59	857	1.899	ug/l #	58
13) Acrolein	4.153	56	160	0.424	ug/l #	71
16) Acetone	4.430	43	50815	58.017	ug/l #	87
18) Methyl Acetate	5.012	43	1327	0.509	ug/l #	87
20) Methylene Chloride	5.271	84	5118	2.002	ug/l #	75
25) 2-Butanone	7.483	43	8124	5.131	ug/l	99
29) Tetrahydrofuran	7.835	42	719	0.674	ug/l #	41
31) Cyclohexane	8.230	56	5181	1.257	ug/l #	56
36) 1,1-Dichloropropene	8.224	75	16265	4.015	ug/l #	46
37) Ethyl Acetate	7.553	43	5404	1.376	ug/l #	75
38) Carbon Tetrachloride	8.224	117	18473	5.079	ug/l #	15
42) 1,2-Dichloroethane	8.682	62	1212	0.278	ug/l #	73
43) Isopropyl Acetate	8.688	43	169472	23.473	ug/l #	81
45) 1,2-Dichloropropane	9.735	63	1522	0.504	ug/l #	45
48) Methyl methacrylate	9.741	41	120457	35.239	ug/l #	28
51) 4-Methyl-2-Pentanone	10.447	43	11645	2.990	ug/l #	83
54) cis-1,3-Dichloropropene	10.359	75	56772	11.377	ug/l #	66
57) 1,3-Dichloropropane	11.200	76	6877	1.500	ug/l #	42
59) 2-Hexanone	11.171	43	143131	49.778	ug/l #	19
71) Bromoform	12.841	173	584	0.305	ug/l #	1
74) N-amyl acetate	12.482	43	3029	0.372	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	92161	20.962	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	92161	49.415	ug/l #	15

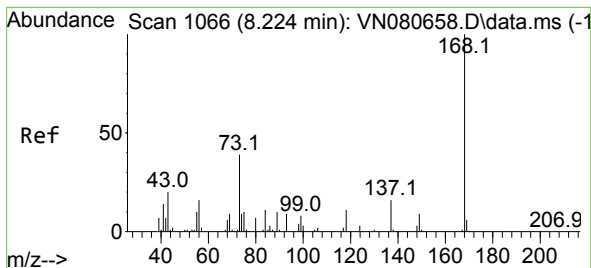
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011224\
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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 12 22:13:14 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN080689.D

Acq: 12 Jan 2024 14:57

Instrument :

MSVOA_N

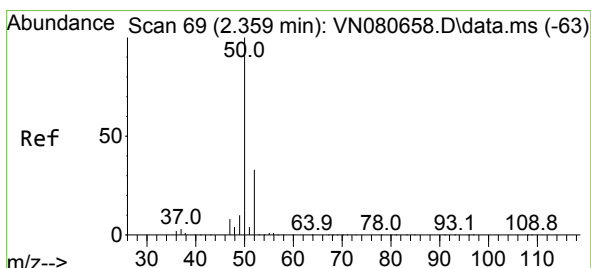
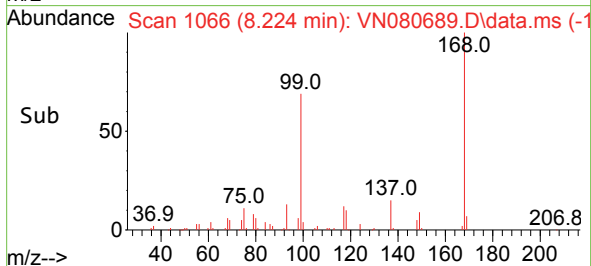
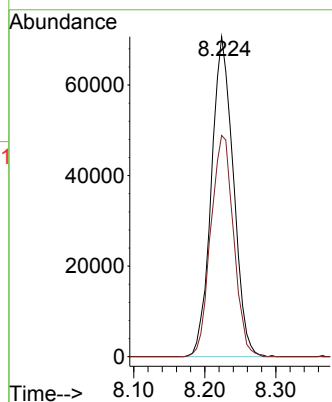
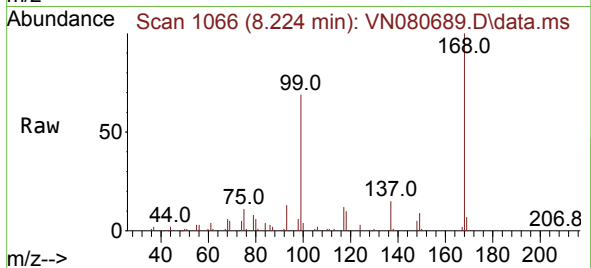
ClientSampleId :

Tgt Ion:168 Resp: 151918

Ion Ratio Lower Upper

168 100

99 69.1 53.0 79.6



#3

Chloromethane

Concen: 0.659 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080689.D

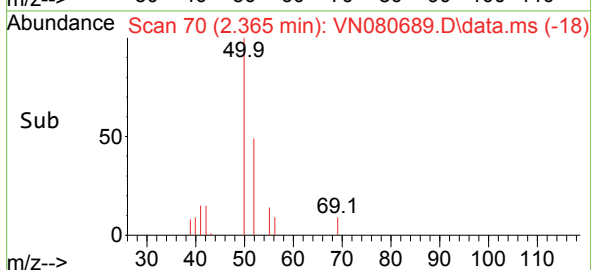
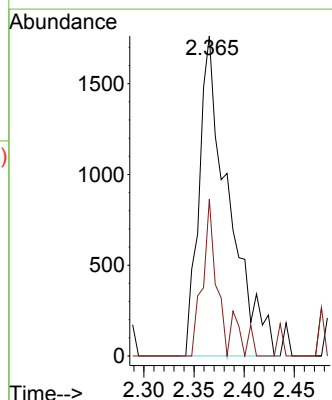
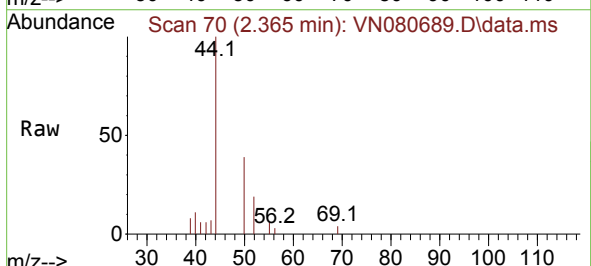
Acq: 12 Jan 2024 14:57

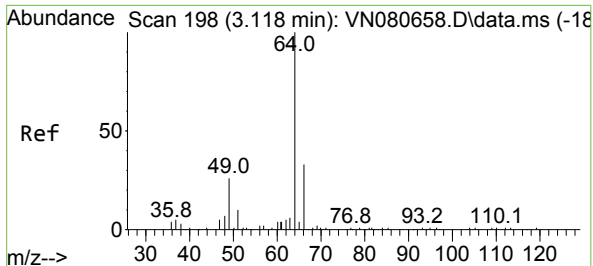
Tgt Ion: 50 Resp: 3624

Ion Ratio Lower Upper

50 100

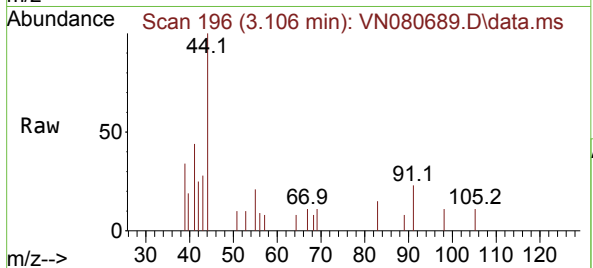
52 49.0 26.5 39.7#



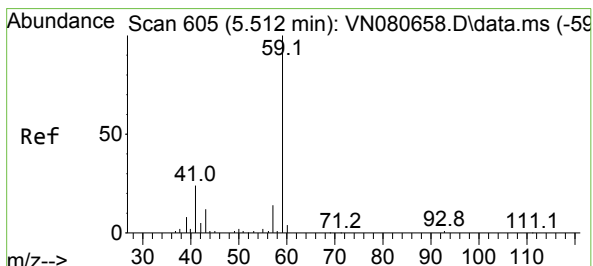
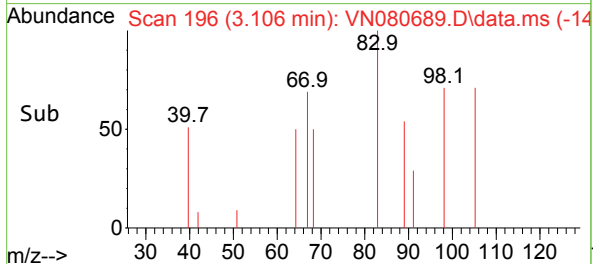
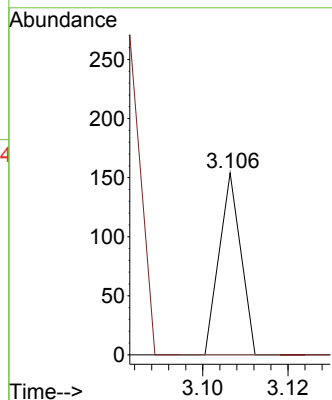


#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 198
Delta R.T. -0.012 min
Lab File: VN080689.D
Acq: 12 Jan 2024 14:57

Instrument :
MSVOA_N
ClientSampleId :

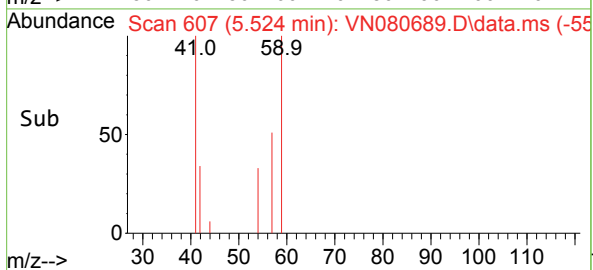
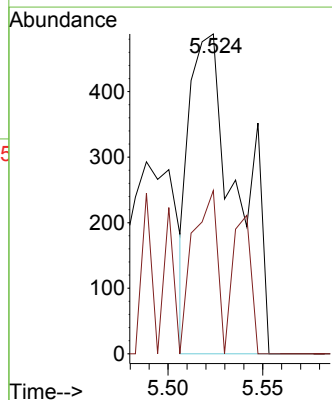
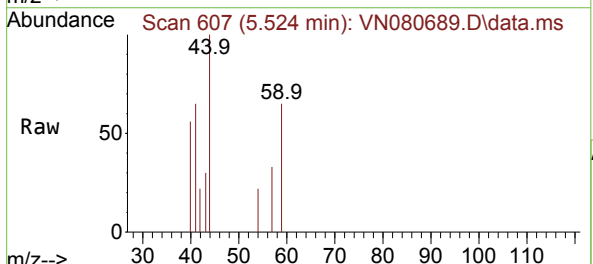


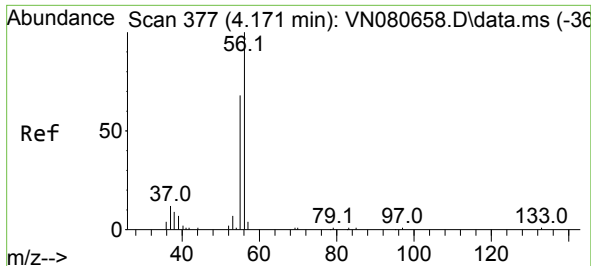
Tgt Ion: 64 Resp: 54
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 1.899 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN080689.D
Acq: 12 Jan 2024 14:57

Tgt Ion: 59 Resp: 857
Ion Ratio Lower Upper
59 100
57 26.1 8.2 12.4#





#13

Acrolein

Concen: 0.424 ug/l

RT: 4.153 min Scan# 31

Delta R.T. -0.018 min

Lab File: VN080689.D

Acq: 12 Jan 2024 14:57

Instrument :

MSVOA_N

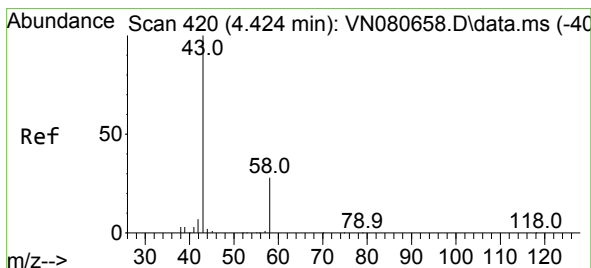
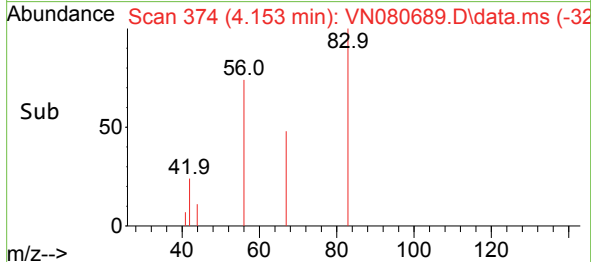
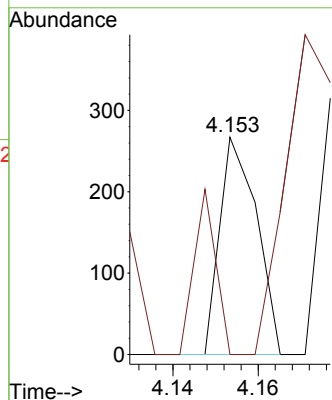
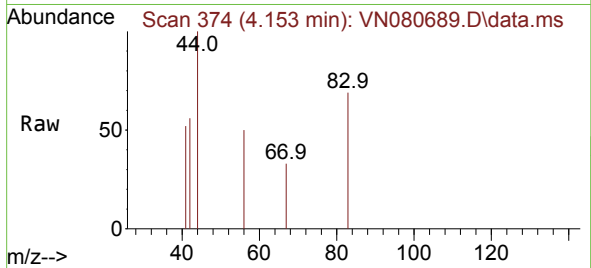
ClientSampleId :

Tgt Ion: 56 Resp: 160

Ion Ratio Lower Upper

56 100

55 45.0 54.5 81.7#



#16

Acetone

Concen: 58.017 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN080689.D

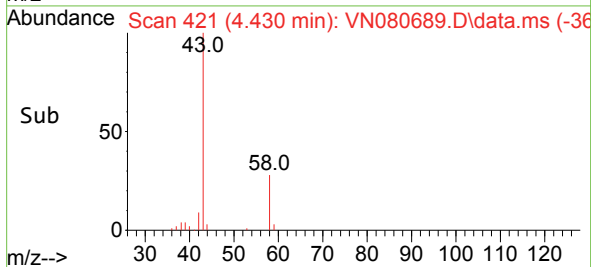
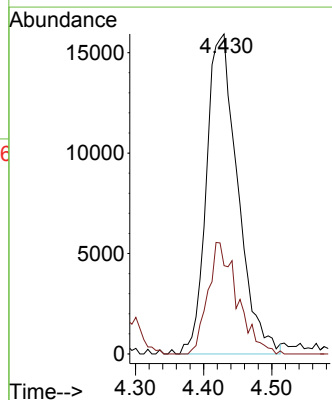
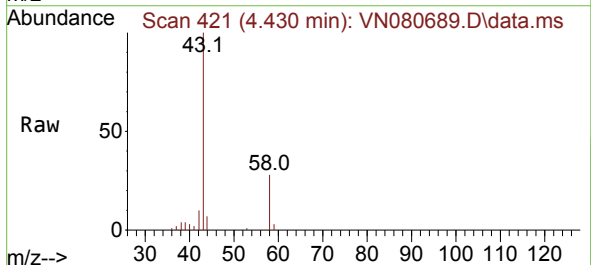
Acq: 12 Jan 2024 14:57

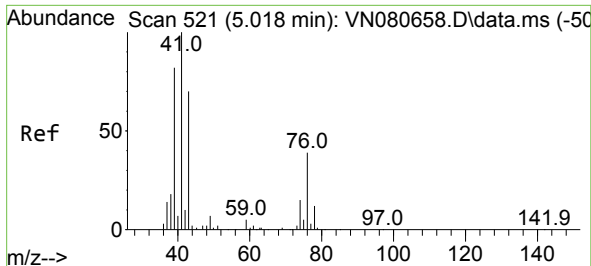
Tgt Ion: 43 Resp: 50815

Ion Ratio Lower Upper

43 100

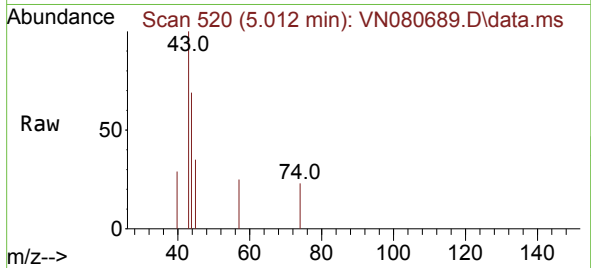
58 27.6 28.0 42.0#



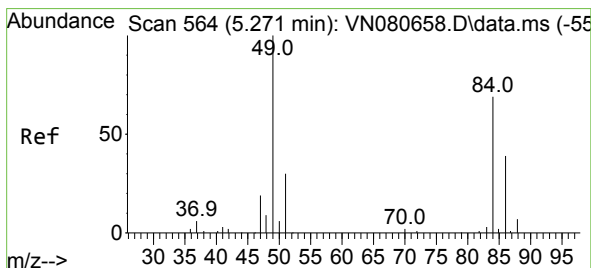
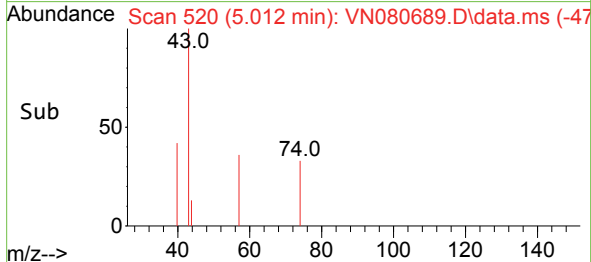
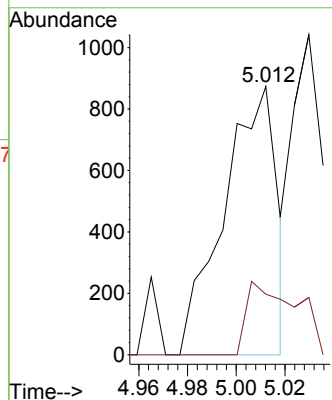


#18
Methyl Acetate
Concen: 0.509 ug/l
RT: 5.012 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN080689.D
Acq: 12 Jan 2024 14:57

Instrument :
MSVOA_N
ClientSampleId :

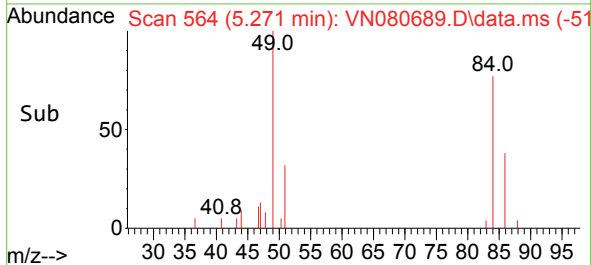
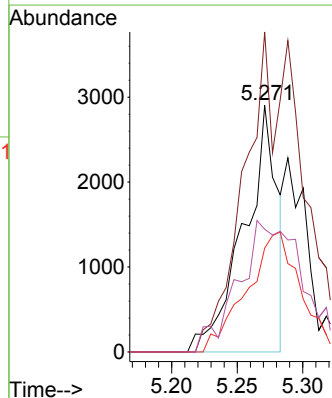
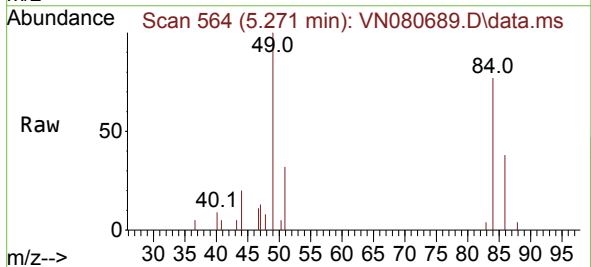


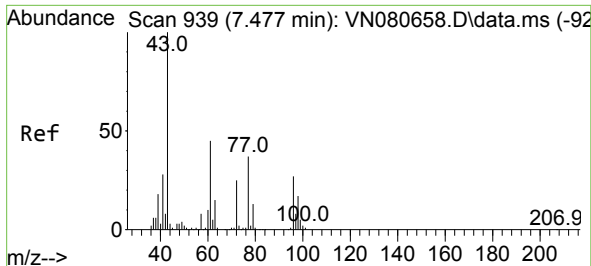
Tgt Ion: 43 Resp: 1327
Ion Ratio Lower Upper
43 100
74 25.5 26.2 39.4#



#20
Methylene Chloride
Concen: 2.002 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN080689.D
Acq: 12 Jan 2024 14:57

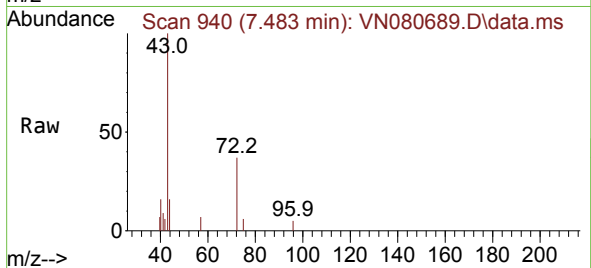
Tgt Ion: 84 Resp: 5118
Ion Ratio Lower Upper
84 100
49 129.7 79.7 119.5#
51 42.1 25.2 37.8#
86 49.8 53.3 79.9#



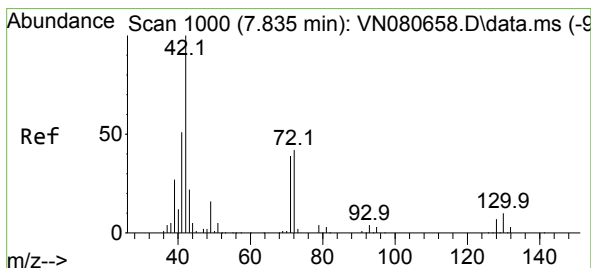
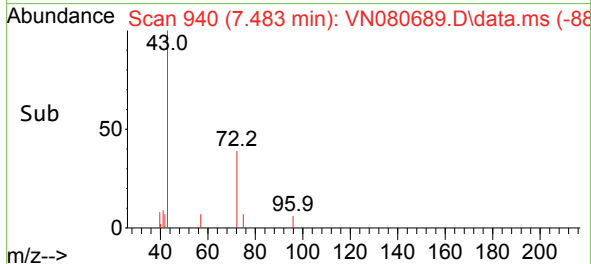
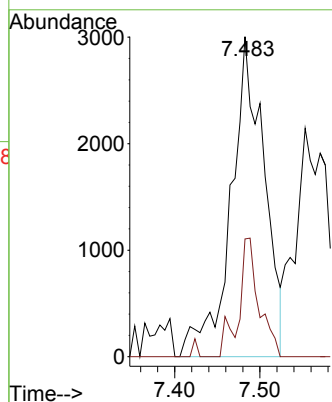


#25
2-Butanone
Concen: 5.131 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN080689.D
Acq: 12 Jan 2024 14:57

Instrument :
MSVOA_N
ClientSampleId :

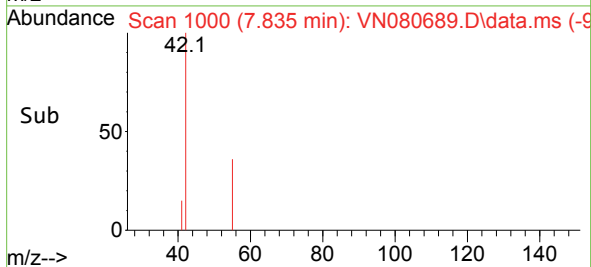
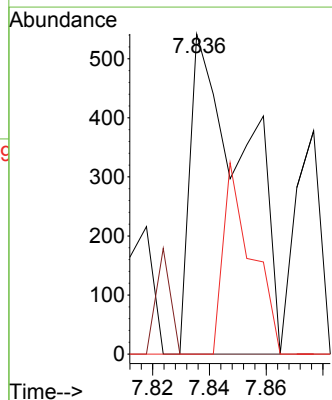
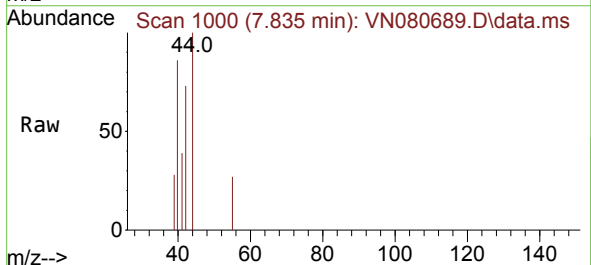


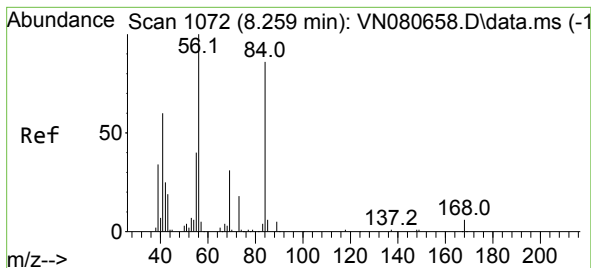
Tgt Ion: 43 Resp: 8124
Ion Ratio Lower Upper
43 100
72 36.8 30.2 45.2



#29
Tetrahydrofuran
Concen: 0.674 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VN080689.D
Acq: 12 Jan 2024 14:57

Tgt Ion: 42 Resp: 719
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 31.6 47.4 71.2#





#31

Cyclohexane

Concen: 1.257 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

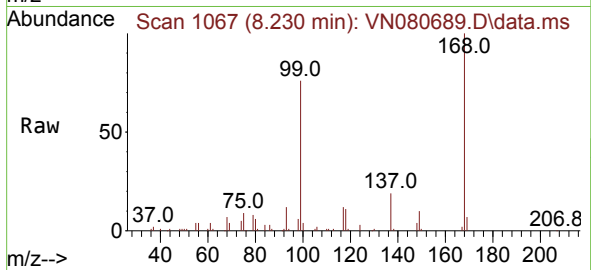
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Acq: 12 Jan 2024 14:57

Instrument :

MSVOA_N

ClientSampleId :



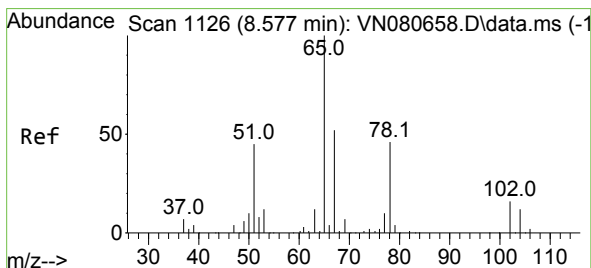
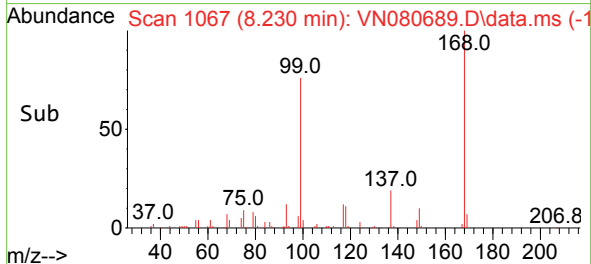
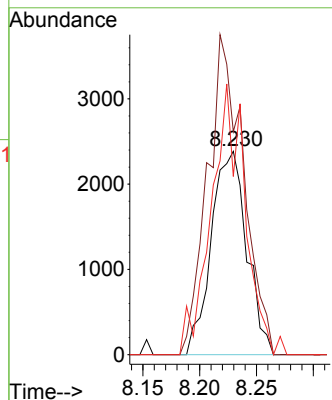
Tgt Ion: 56 Resp: 5181

Ion Ratio Lower Upper

56 100

69 109.7 26.8 40.2#

84 87.7 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 43.519 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080689.D

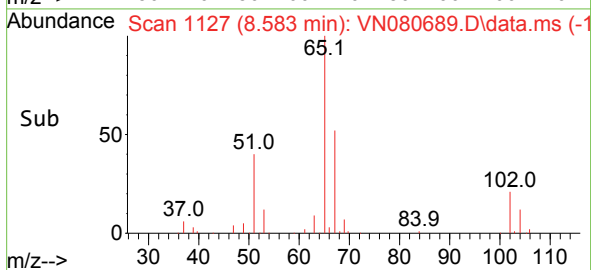
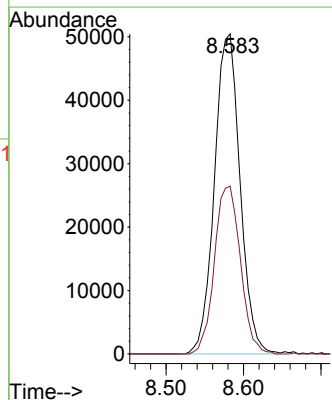
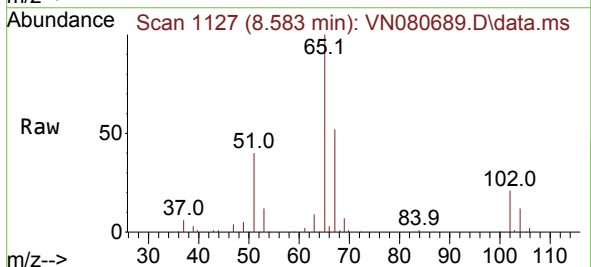
Acq: 12 Jan 2024 14:57

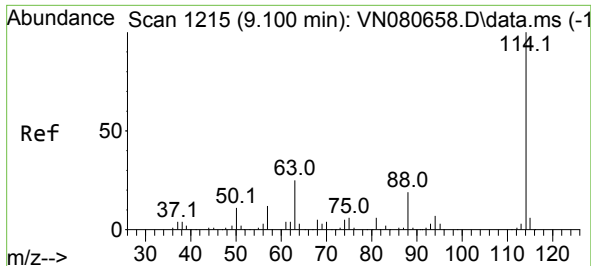
Tgt Ion: 65 Resp: 116101

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.6

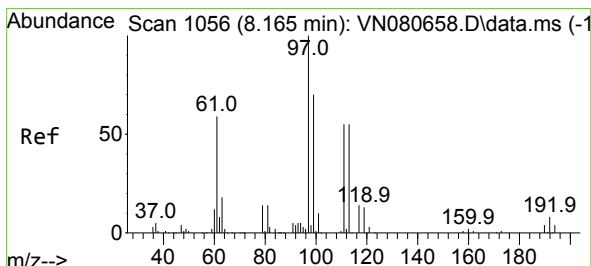
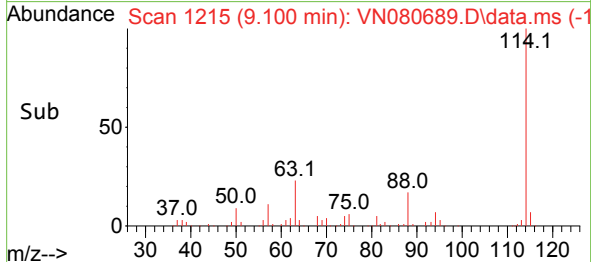
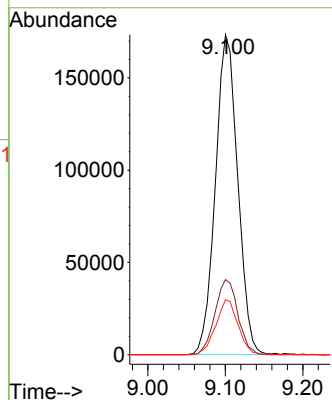
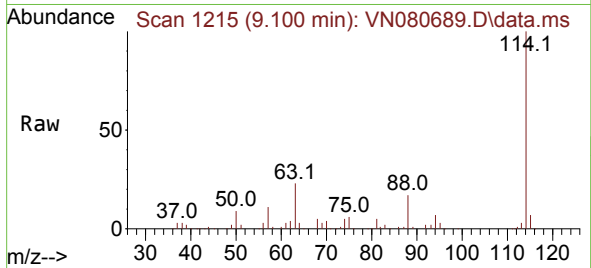




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080689.D
Acq: 12 Jan 2024 14:57

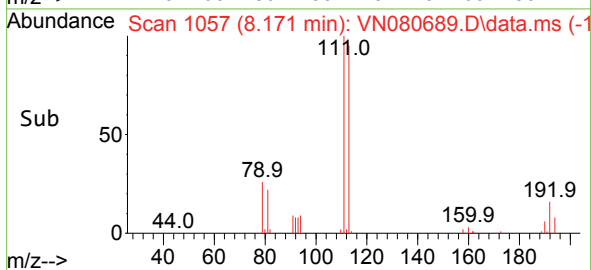
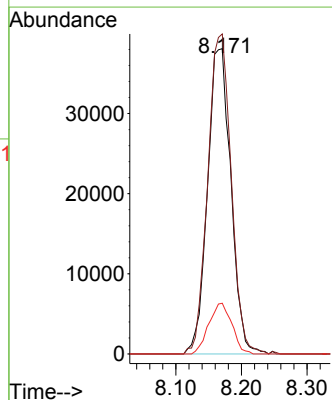
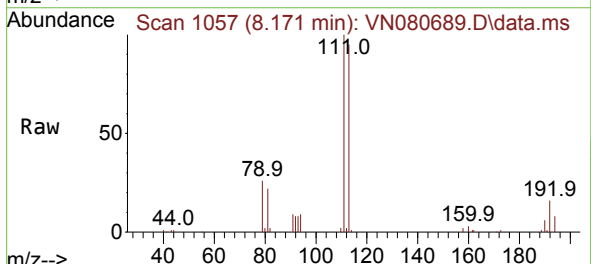
Instrument :
MSVOA_N
ClientSampleId :

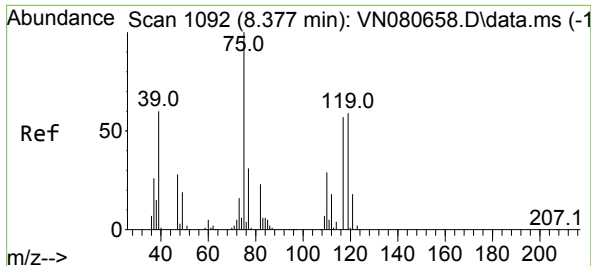
Tgt Ion:114 Resp: 348028
Ion Ratio Lower Upper
114 100
63 23.5 0.0 36.4
88 17.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 47.803 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN080689.D
Acq: 12 Jan 2024 14:57

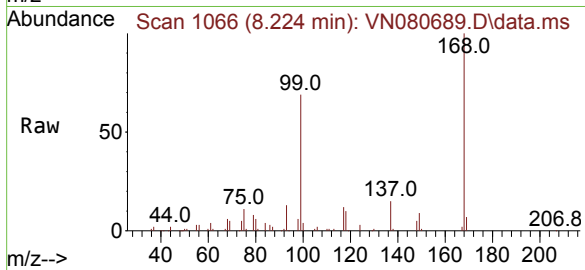
Tgt Ion:113 Resp: 94526
Ion Ratio Lower Upper
113 100
111 104.7 82.6 123.8
192 16.4 12.7 19.1



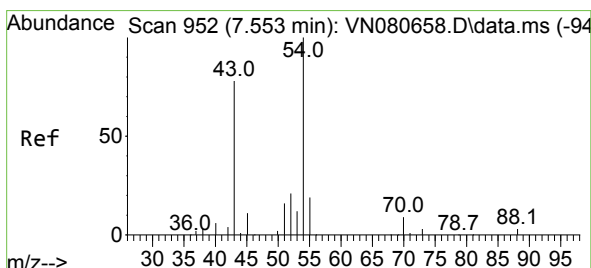
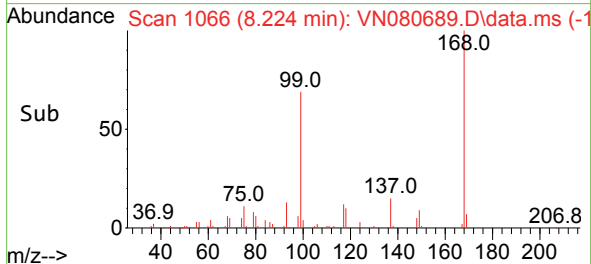
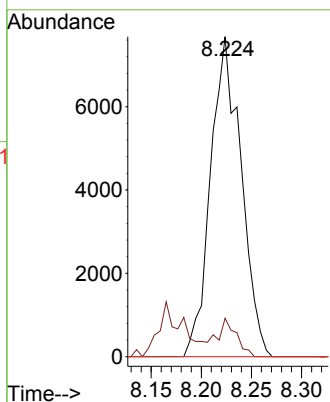


#36
1,1-Dichloropropene
Concen: 4.015 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080689.D
Acq: 12 Jan 2024 14:57

Instrument :
MSVOA_N
ClientSampleId :

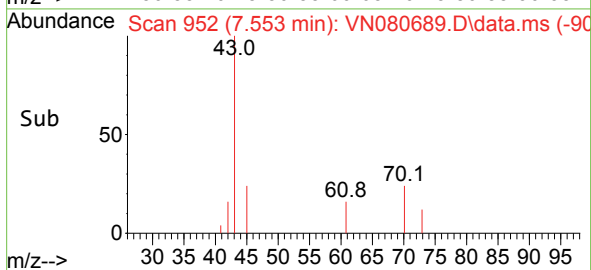
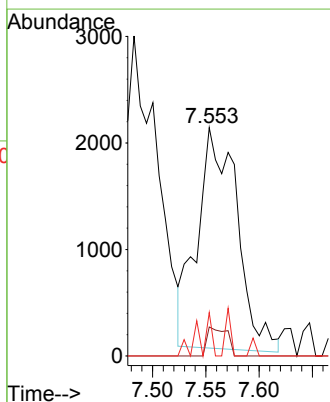
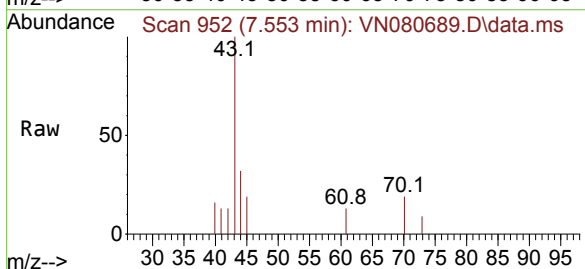


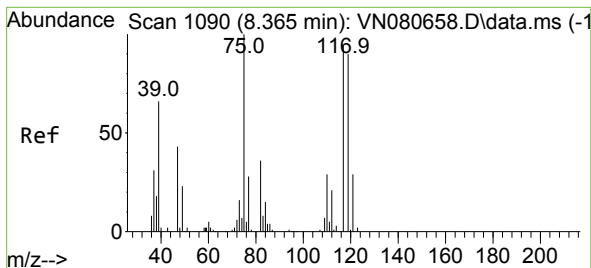
Tgt Ion: 75 Resp: 16265
Ion Ratio Lower Upper
75 100
110 7.4 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.376 ug/l
RT: 7.553 min Scan# 952
Delta R.T. 0.000 min
Lab File: VN080689.D
Acq: 12 Jan 2024 14:57

Tgt Ion: 43 Resp: 5404
Ion Ratio Lower Upper
43 100
61 6.4 13.2 19.8#
70 3.2 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.079 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

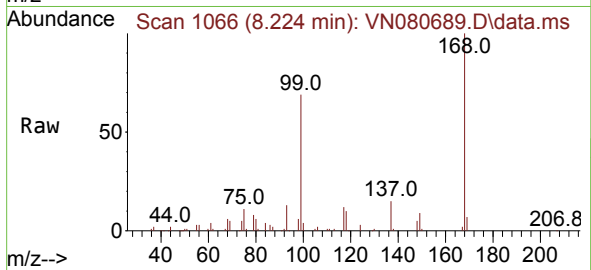
Lab File: VN080689.D

Acq: 12 Jan 2024 14:57

Instrument :

MSVOA_N

ClientSampleId :



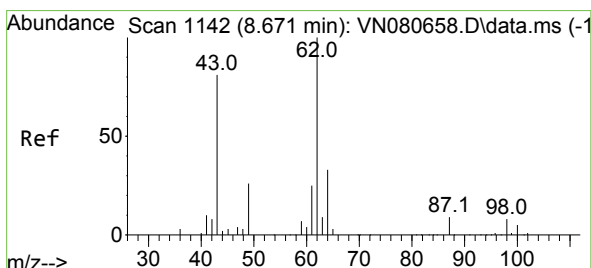
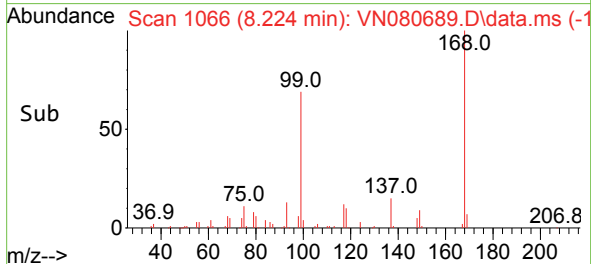
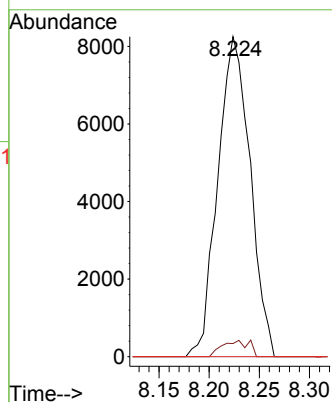
Tgt Ion:117 Resp: 18473

Ion Ratio Lower Upper

117 100

119 4.1 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.278 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN080689.D

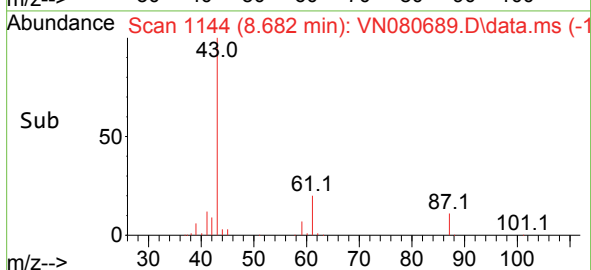
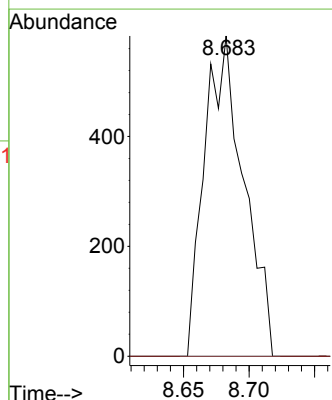
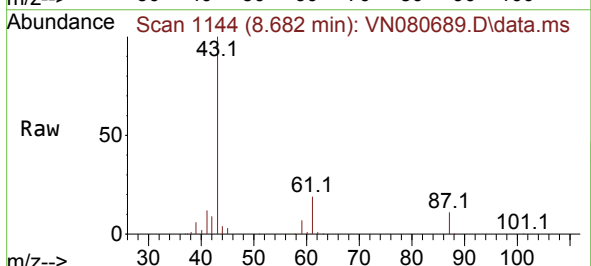
Acq: 12 Jan 2024 14:57

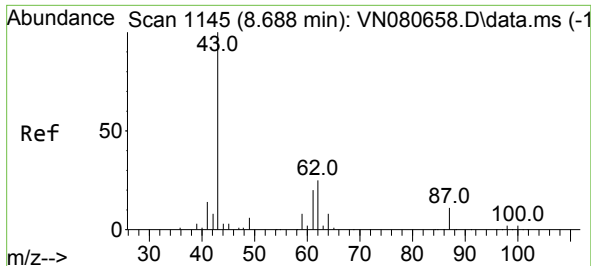
Tgt Ion: 62 Resp: 1212

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

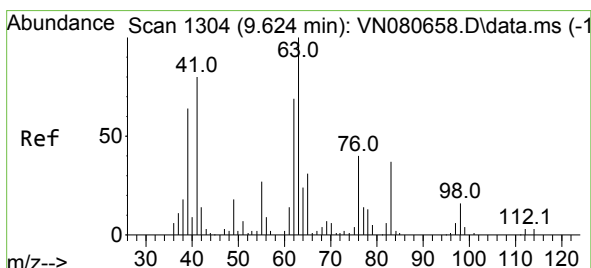
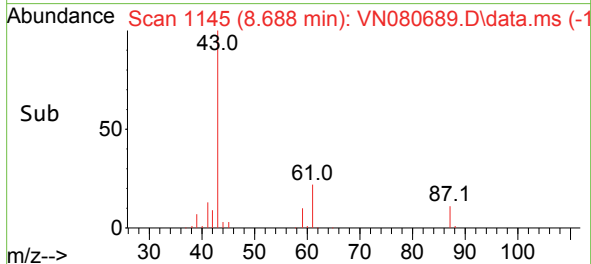
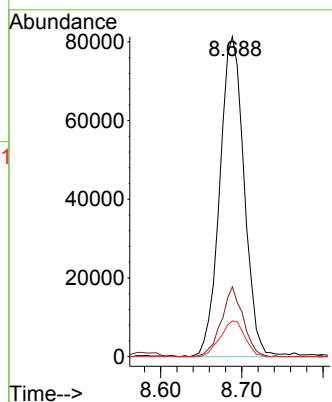
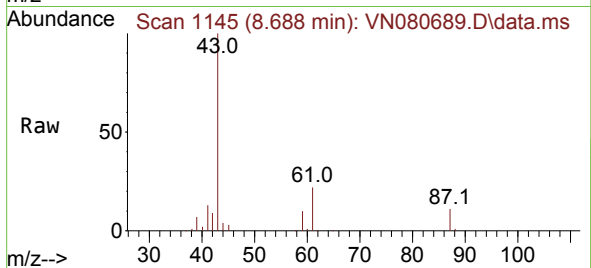




#43
Isopropyl Acetate
Concen: 23.473 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080689.D
Acq: 12 Jan 2024 14:57

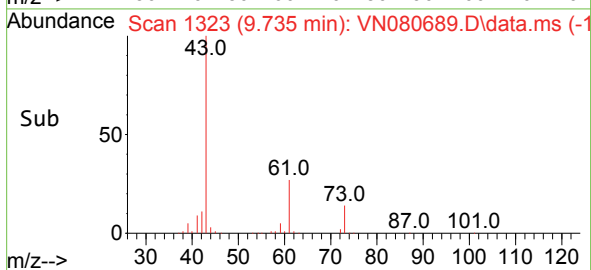
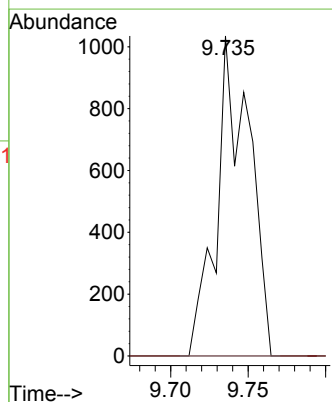
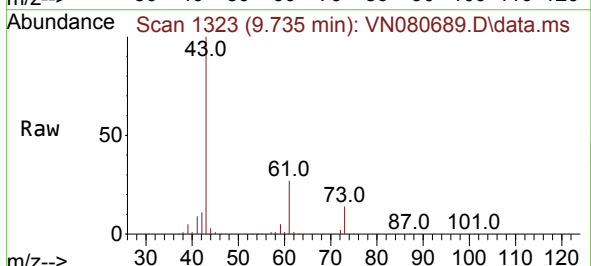
Instrument :
MSVOA_N
ClientSampleId :

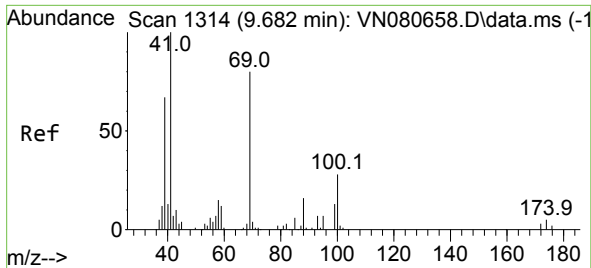
Tgt Ion: 43 Resp: 169472
Ion Ratio Lower Upper
43 100
61 19.6 24.7 37.1#
87 11.3 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.504 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.112 min
Lab File: VN080689.D
Acq: 12 Jan 2024 14:57

Tgt Ion: 63 Resp: 1522
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

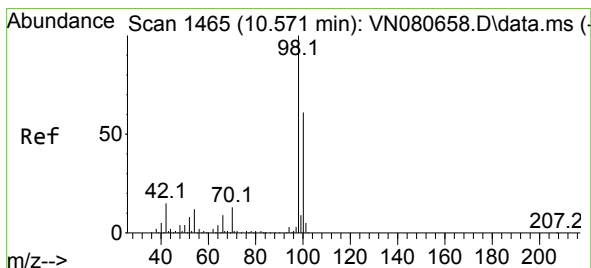
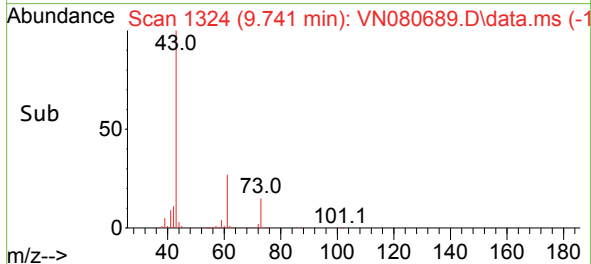
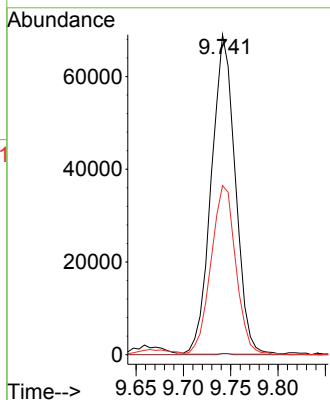
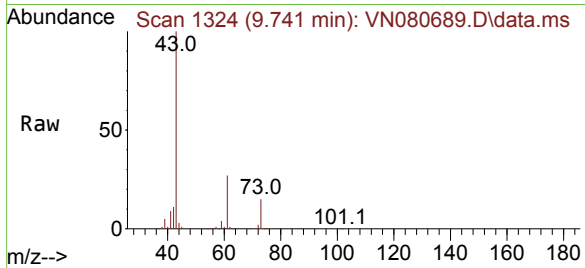




#48
Methyl methacrylate
Concen: 35.239 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN080689.D
Acq: 12 Jan 2024 14:57

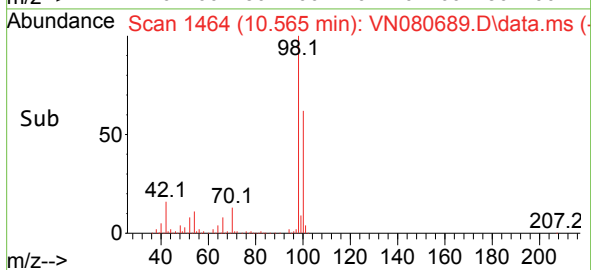
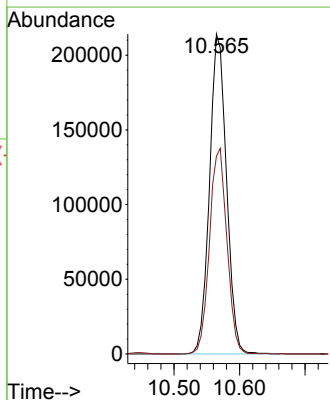
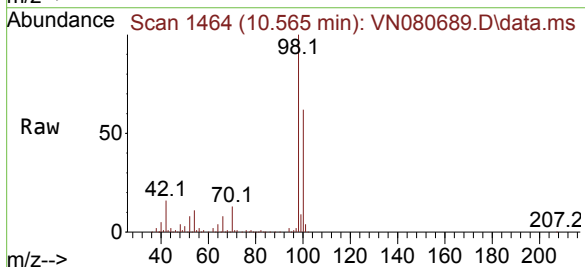
Instrument :
MSVOA_N
ClientSampleId :

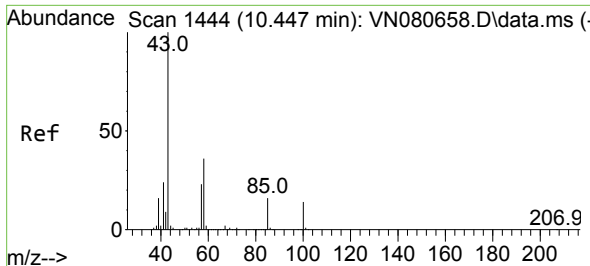
Tgt Ion: 41 Resp: 120457
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 55.4 54.6 81.8



#50
Toluene-d8
Concen: 51.083 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN080689.D
Acq: 12 Jan 2024 14:57

Tgt Ion: 98 Resp: 385164
Ion Ratio Lower Upper
98 100
100 65.9 52.0 78.0

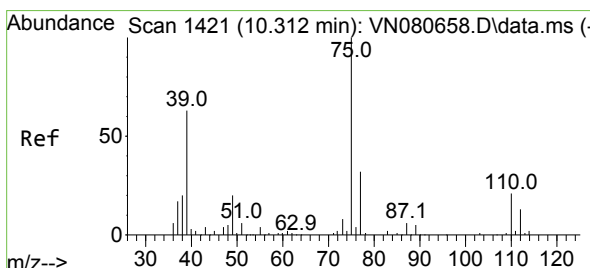
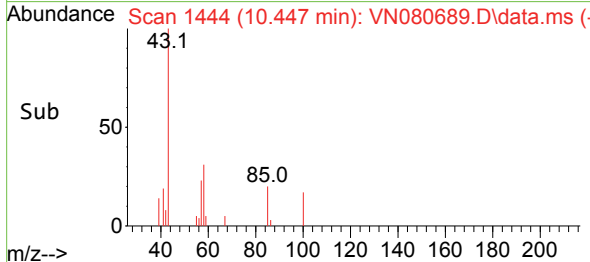
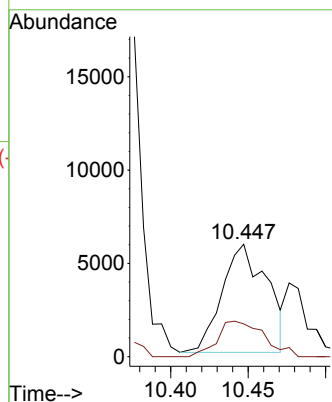
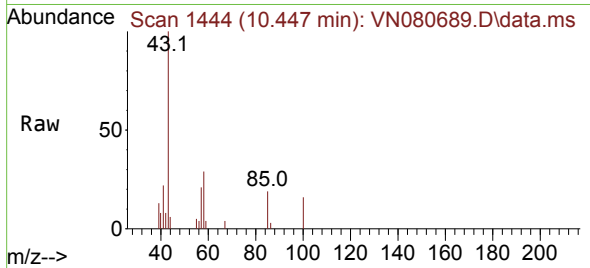




#51
4-Methyl-2-Pentanone
Concen: 2.990 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080689.D
Acq: 12 Jan 2024 14:57

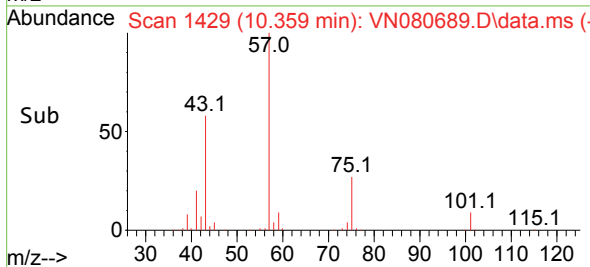
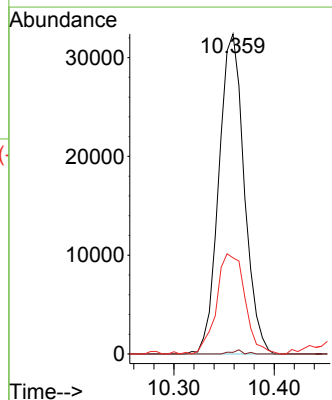
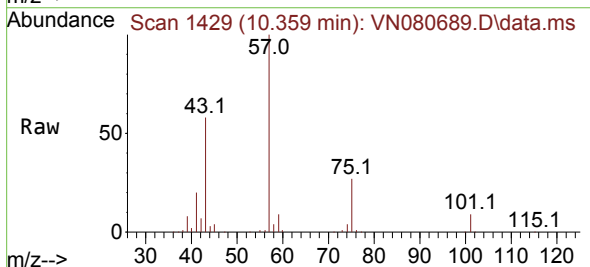
Instrument :
MSVOA_N
ClientSampleId :

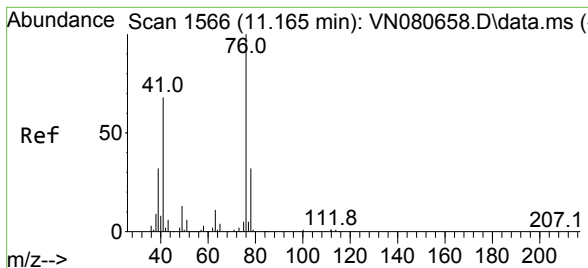
Tgt Ion: 43 Resp: 11645
Ion Ratio Lower Upper
43 100
58 34.3 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 11.377 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080689.D
Acq: 12 Jan 2024 14:57

Tgt Ion: 75 Resp: 56772
Ion Ratio Lower Upper
75 100
77 0.5 26.1 39.1#
39 30.1 31.6 47.4#

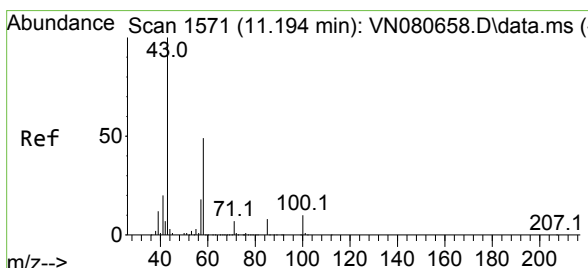
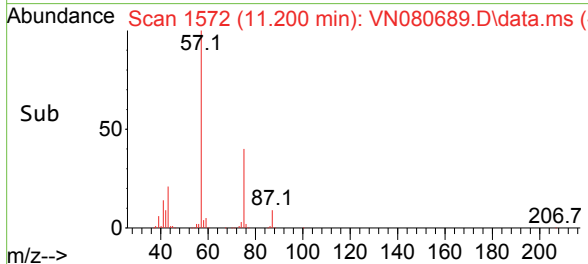
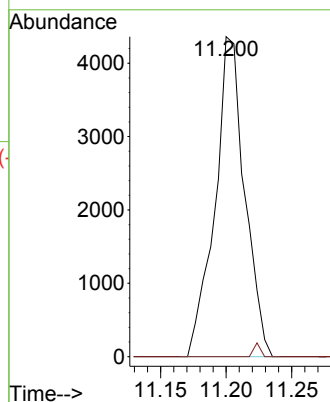
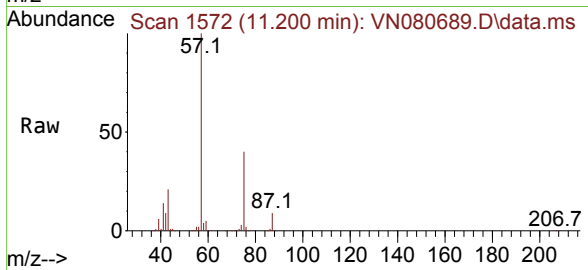




#57
1,3-Dichloropropane
Concen: 1.500 ug/l
RT: 11.200 min Scan# 1567
Delta R.T. 0.035 min
Lab File: VN080689.D
Acq: 12 Jan 2024 14:57

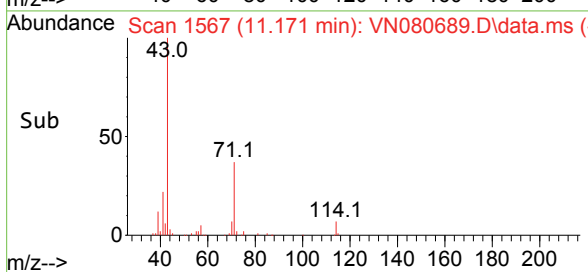
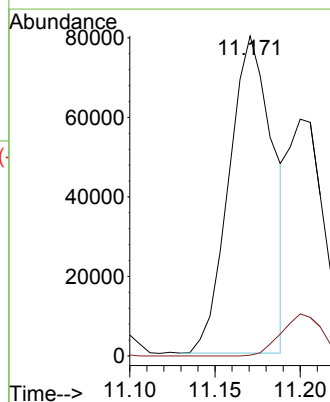
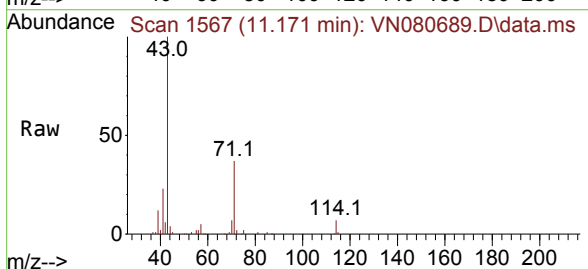
Instrument :
MSVOA_N
ClientSampleId :

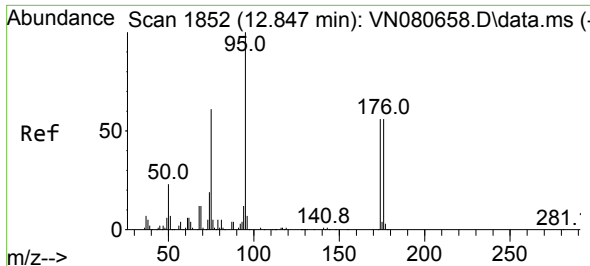
Tgt Ion: 76 Resp: 6877
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 49.778 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN080689.D
Acq: 12 Jan 2024 14:57

Tgt Ion: 43 Resp: 143131
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

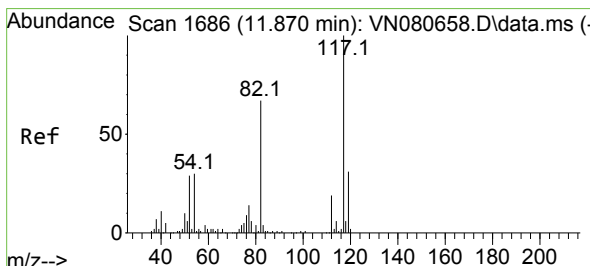
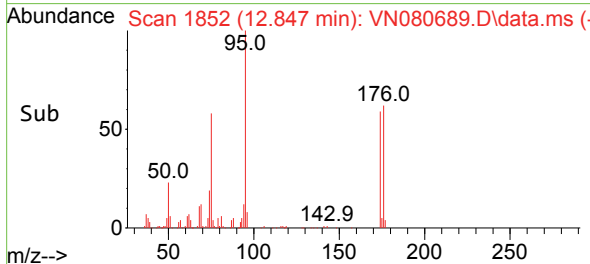
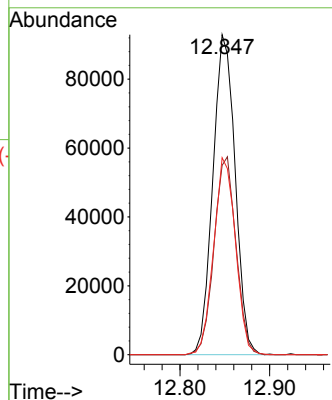
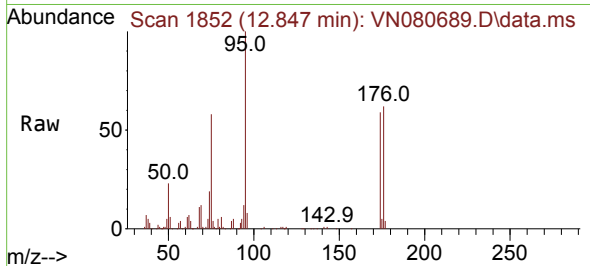




#62
4-Bromofluorobenzene
Concen: 55.389 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080689.D
Acq: 12 Jan 2024 14:57

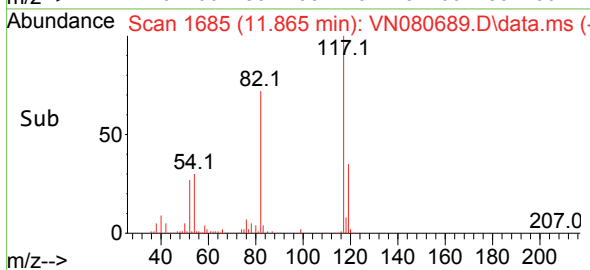
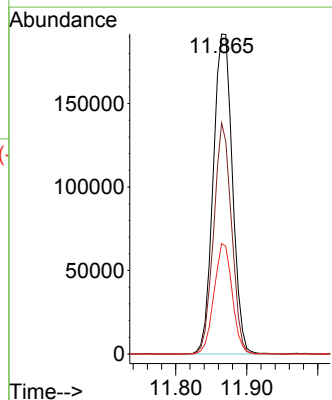
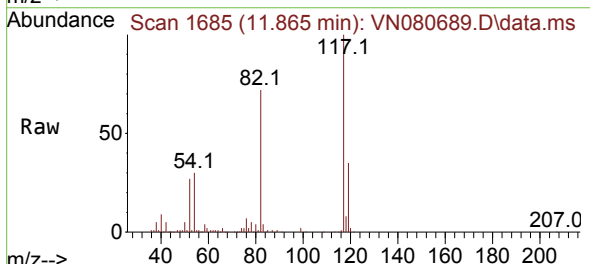
Instrument :
MSVOA_N
ClientSampleId :

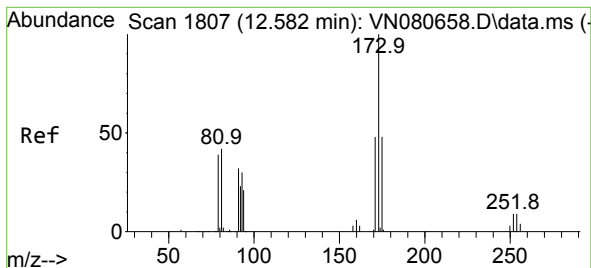
Tgt Ion: 95 Resp: 160153
Ion Ratio Lower Upper
95 100
174 61.0 0.0 143.8
176 60.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN080689.D
Acq: 12 Jan 2024 14:57

Tgt Ion: 117 Resp: 358727
Ion Ratio Lower Upper
117 100
82 72.2 44.0 66.0#
119 34.5 25.6 38.4





#71

Bromoform

Concen: 0.305 ug/l

RT: 12.841 min Scan# 1807

Delta R.T. 0.259 min

Lab File: VN080689.D

Acq: 12 Jan 2024 14:57

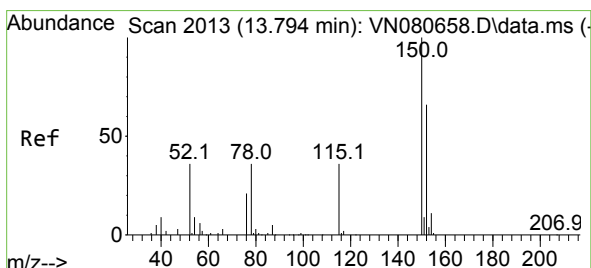
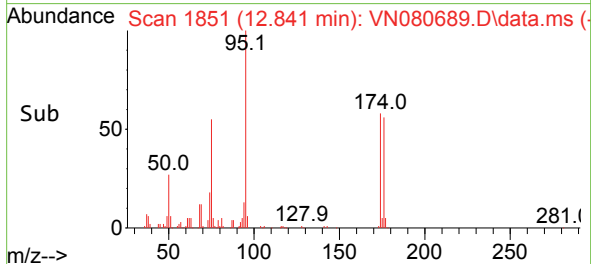
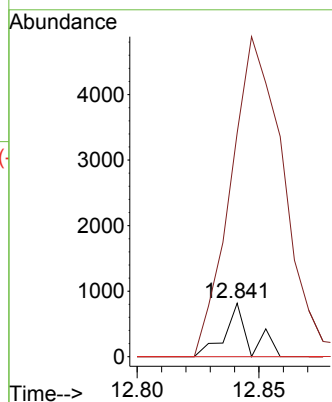
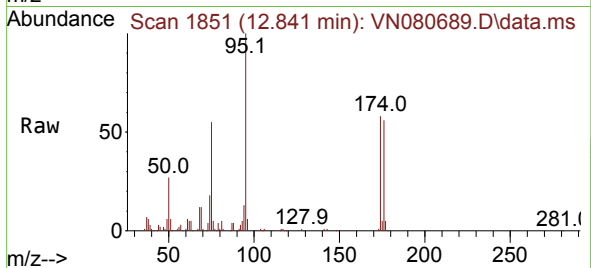
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 584

Ion	Ratio	Lower	Upper
173	100		
175	1108.9	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

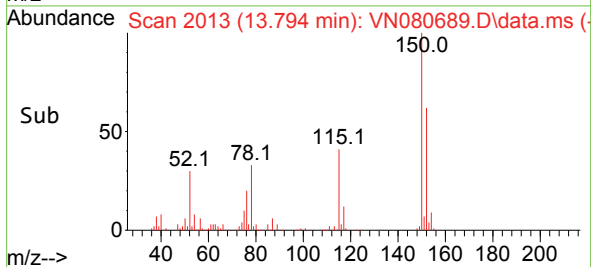
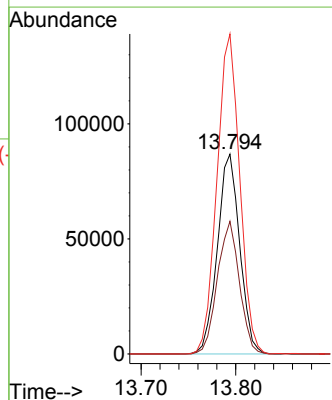
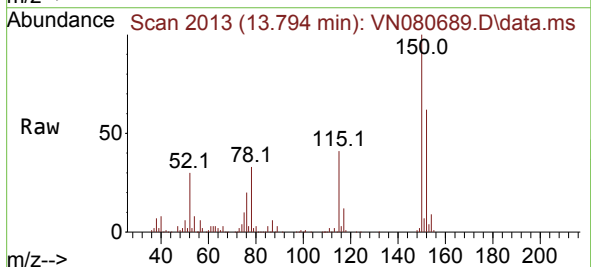
Delta R.T. 0.000 min

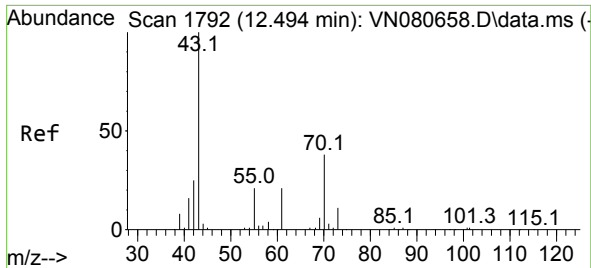
Lab File: VN080689.D

Acq: 12 Jan 2024 14:57

Tgt Ion:152 Resp: 142582

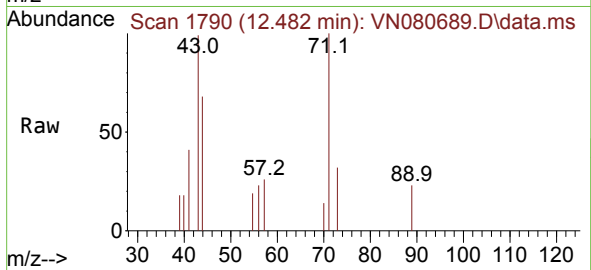
Ion	Ratio	Lower	Upper
152	100		
115	65.4	32.3	96.8
150	162.9	0.0	355.8



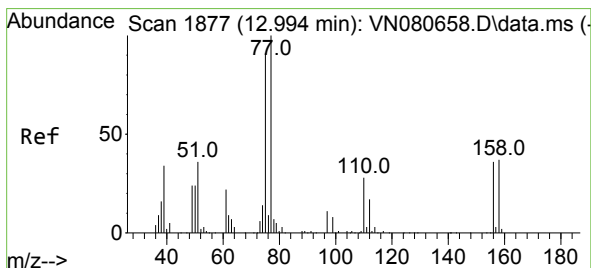
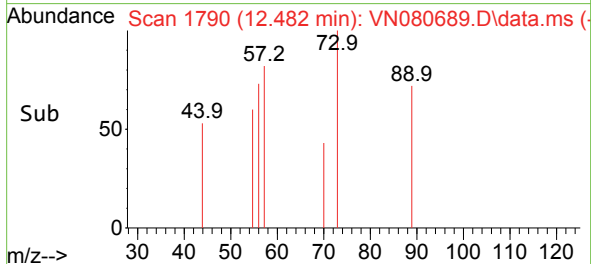
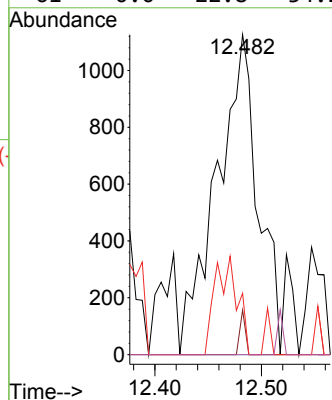


#74
N-amy1 acetate
Concen: 0.372 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN080689.D
Acq: 12 Jan 2024 14:57

Instrument :
MSVOA_N
ClientSampleId :

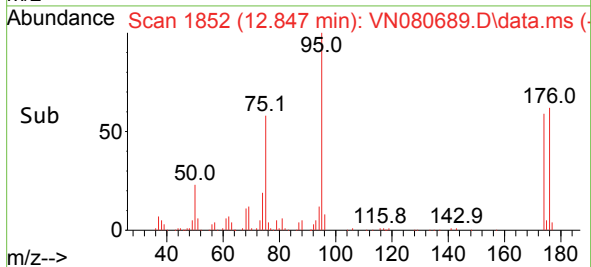
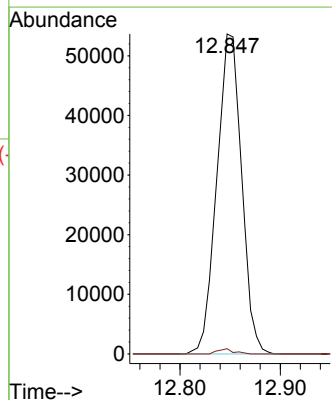
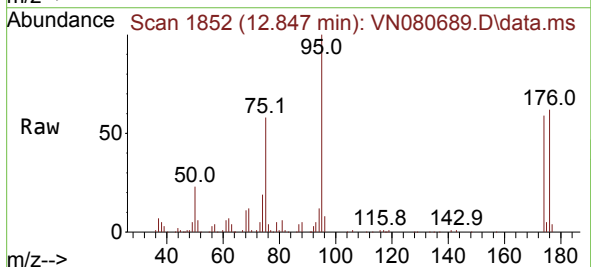


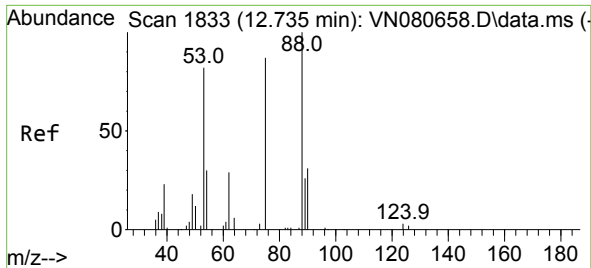
Tgt Ion: 43	Resp: 3029
Ion Ratio	Lower Upper
43	100
70	1.8 43.4 65.2#
55	16.7 21.4 32.0#
61	0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 20.962 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080689.D
Acq: 12 Jan 2024 14:57

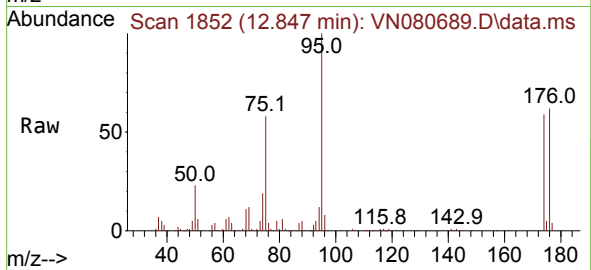
Tgt Ion: 75	Resp: 92161
Ion Ratio	Lower Upper
75	100
77	1.0 84.5 253.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 49.415 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN080689.D
Acq: 12 Jan 2024 14:57

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 92161
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

