

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010324\
 Data File : VN080642.D
 Acq On : 03 Jan 2024 16:07
 Operator : JC\MD
 Sample : 06045-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

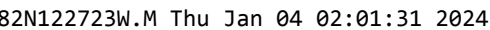
Quant Time: Jan 04 02:01:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 28 03:07:01 2023
 Response via : Initial Calibration

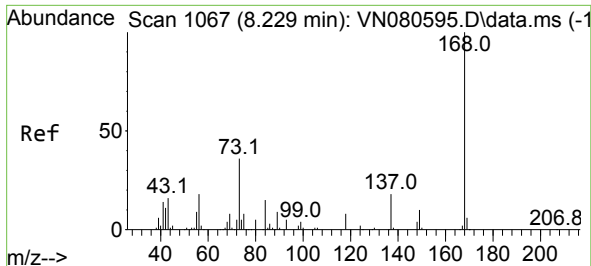
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	321549	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	630931	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	687176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	292708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	206471	50.059	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.120%			
35) Dibromofluoromethane	8.165	113	189452	46.428	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.860%			
50) Toluene-d8	10.565	98	700351	49.156	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.320%			
62) 4-Bromofluorobenzene	12.853	95	274247	57.195	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.400%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	6360	0.716	ug/l	90
11) Tert butyl alcohol	5.500	59	2094	3.774	ug/l #	83
13) Acrolein	4.195	56	289	0.461	ug/l #	61
16) Acetone	4.418	43	58836	52.476	ug/l	99
18) Methyl Acetate	5.030	43	4418	0.711	ug/l #	58
20) Methylene Chloride	5.277	84	65330	18.262	ug/l	95
25) 2-Butanone	7.477	43	24966	11.914	ug/l #	74
29) Tetrahydrofuran	7.841	42	1042	0.762	ug/l #	24
31) Cyclohexane	8.218	56	5747	1.030	ug/l #	20
36) 1,1-Dichloropropene	8.224	75	24990	3.979	ug/l #	50
37) Ethyl Acetate	7.559	43	3420	0.722	ug/l #	68
38) Carbon Tetrachloride	8.224	117	33784	5.258	ug/l #	16
40) Benzene	8.606	78	1357	0.445	ug/l	98
42) 1,2-Dichloroethane	8.688	62	1232	0.212	ug/l #	73
43) Isopropyl Acetate	8.688	43	125010	16.276	ug/l #	89
48) Methyl methacrylate	9.671	41	4687	1.099	ug/l #	30
51) 4-Methyl-2-Pentanone	10.453	43	11925	2.730	ug/l #	80
54) cis-1,3-Dichloropropene	10.359	75	56800	8.363	ug/l #	64
56) Ethyl methacrylate	10.988	69	2295	0.592	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5649	0.842	ug/l #	42
59) 2-Hexanone	11.171	43	206135	62.606	ug/l #	19
71) Bromoform	12.847	173	915	0.235	ug/l #	1
74) N-amyl acetate	12.459	43	4394	0.622	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	140936	22.386	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	140936	60.639	ug/l #	15
86) p-Isopropyltoluene	13.447	119	72	0.459	ug/l #	50

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

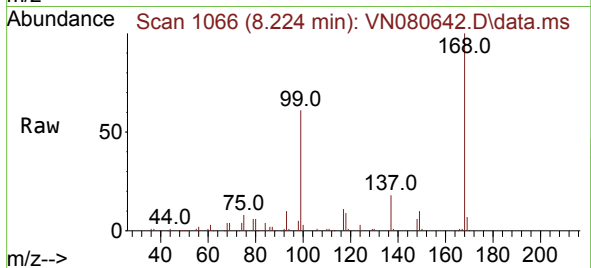
Quant Time: Jan 04 02:01:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122723W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 28 03:07:01 2023
Response via : Initial Calibration



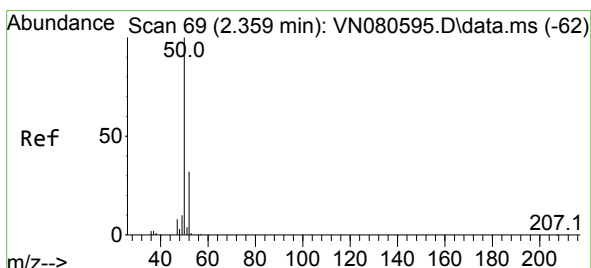
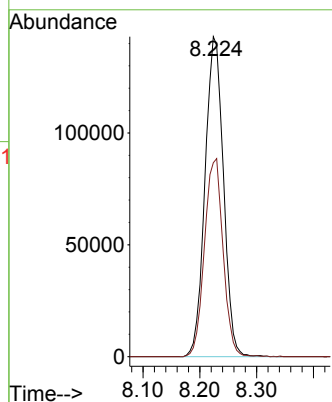
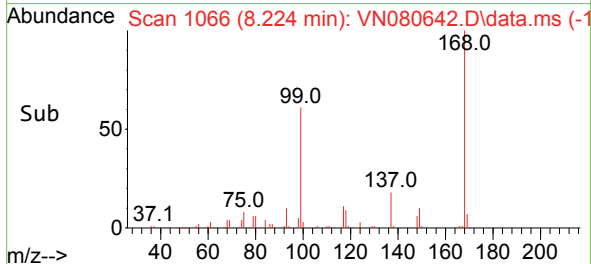


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN080642.D
Acq: 03 Jan 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :

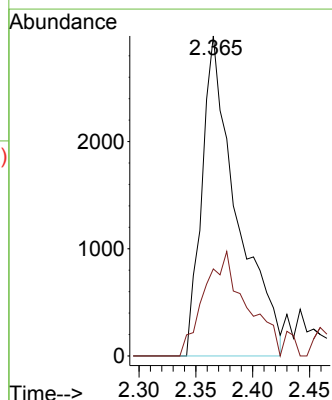
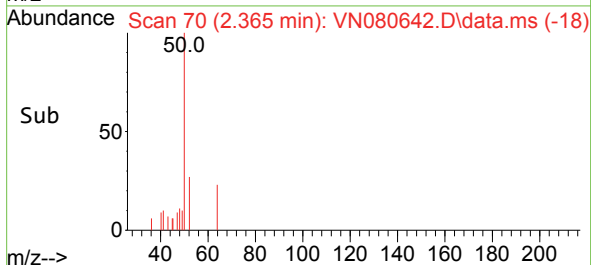
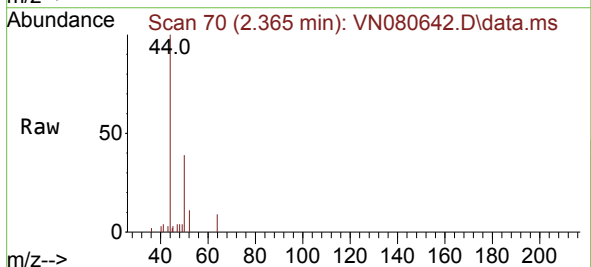


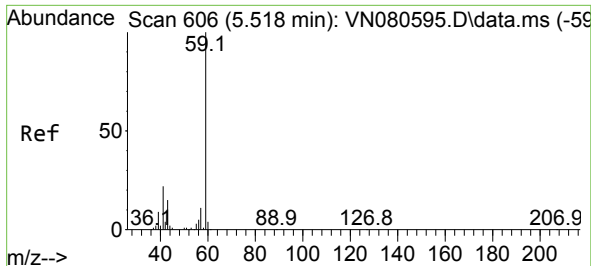
Tgt Ion:168 Resp: 321549
Ion Ratio Lower Upper
168 100
99 60.6 53.0 79.6



#3
Chloromethane
Concen: 0.716 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080642.D
Acq: 03 Jan 2024 16:07

Tgt Ion: 50 Resp: 6360
Ion Ratio Lower Upper
50 100
52 27.2 26.5 39.7





#11

Tert butyl alcohol

Concen: 3.774 ug/l

RT: 5.500 min Scan# 606

Delta R.T. -0.017 min

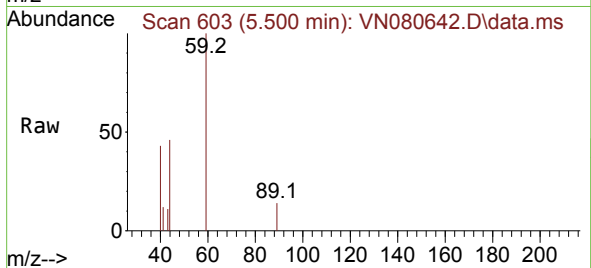
Lab File: VN080642.D

Acq: 03 Jan 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

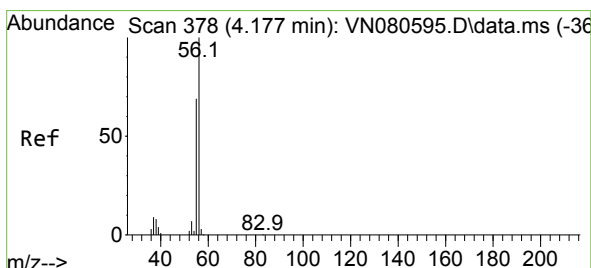
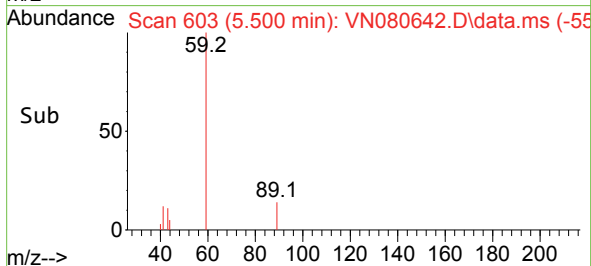
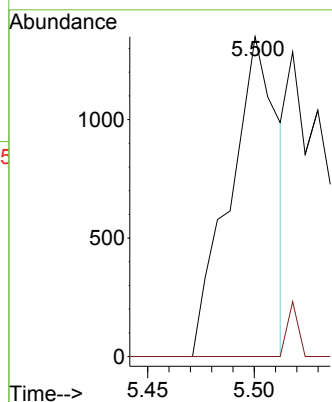


Tgt Ion: 59 Resp: 2094

Ion Ratio Lower Upper

59 100

57 3.9 8.2 12.4#



#13

Acrolein

Concen: 0.461 ug/l

RT: 4.195 min Scan# 381

Delta R.T. 0.018 min

Lab File: VN080642.D

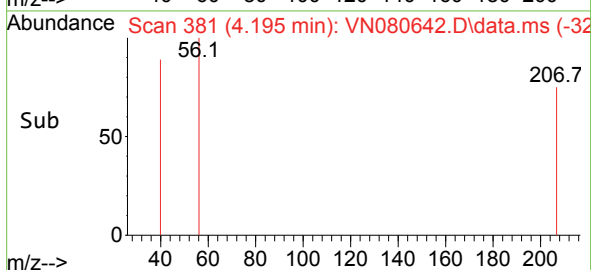
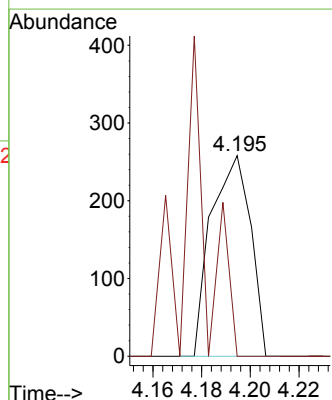
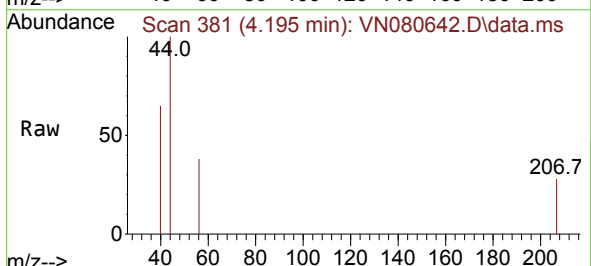
Acq: 03 Jan 2024 16:07

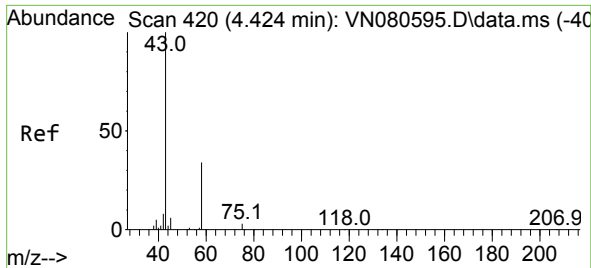
Tgt Ion: 56 Resp: 289

Ion Ratio Lower Upper

56 100

55 99.7 54.5 81.7#

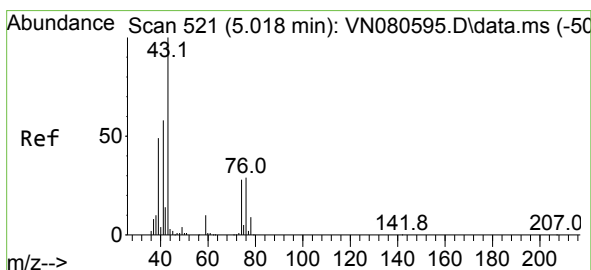
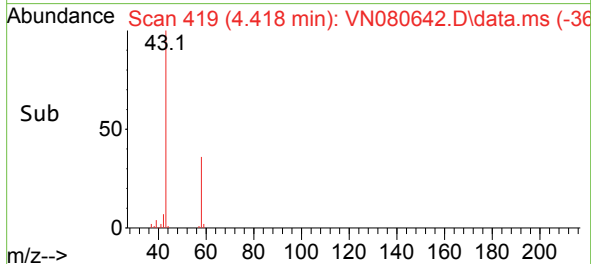
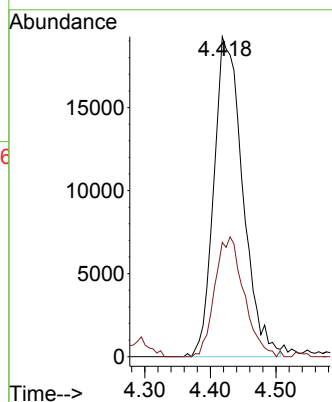
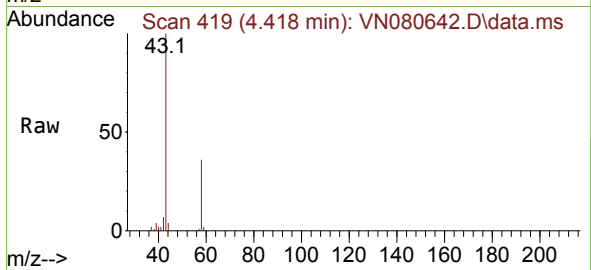




#16
Acetone
Concen: 52.476 ug/l
RT: 4.418 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN080642.D
Acq: 03 Jan 2024 16:07

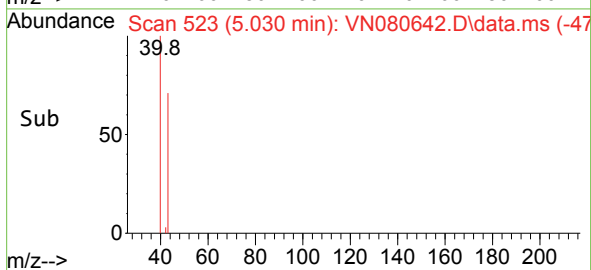
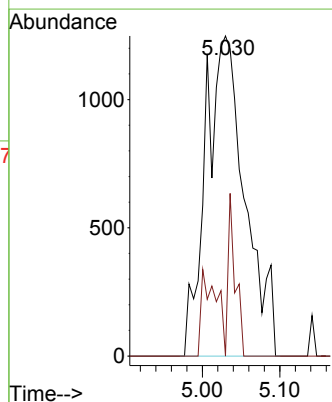
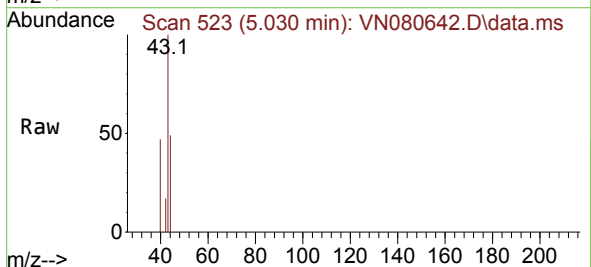
Instrument :
MSVOA_N
ClientSampleId :

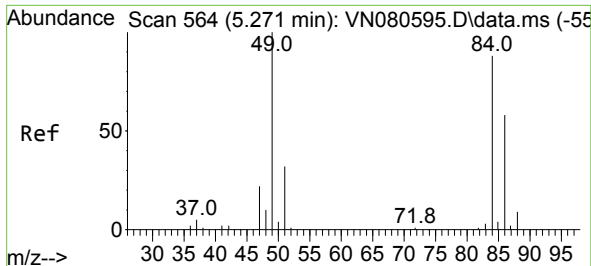
Tgt Ion: 43 Resp: 58836
Ion Ratio Lower Upper
43 100
58 35.7 28.0 42.0



#18
Methyl Acetate
Concen: 0.711 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN080642.D
Acq: 03 Jan 2024 16:07

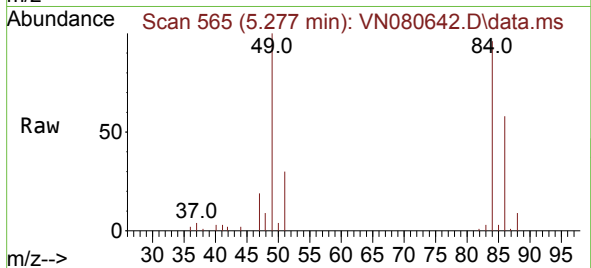
Tgt Ion: 43 Resp: 4418
Ion Ratio Lower Upper
43 100
74 9.3 26.2 39.4#



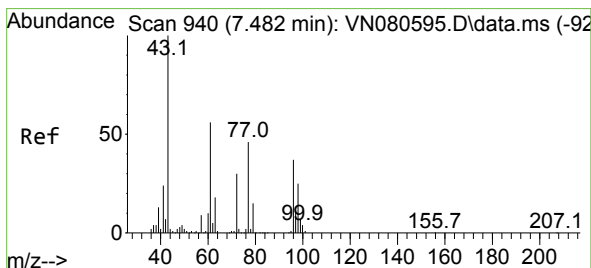
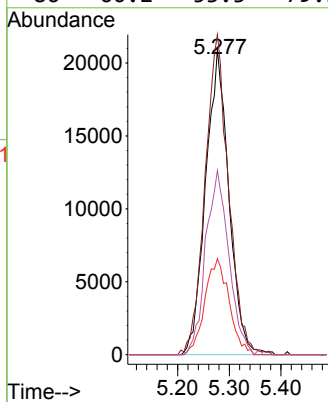
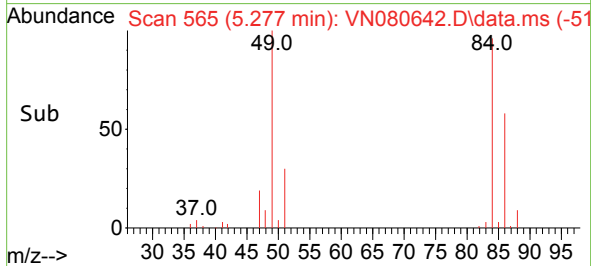


#20
Methylene Chloride
Concen: 18.262 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080642.D
Acq: 03 Jan 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :

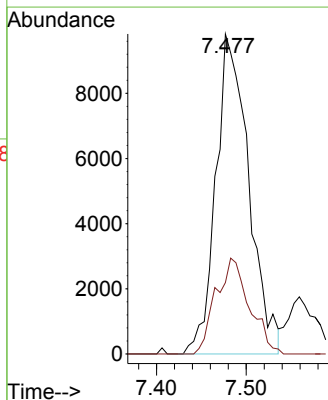
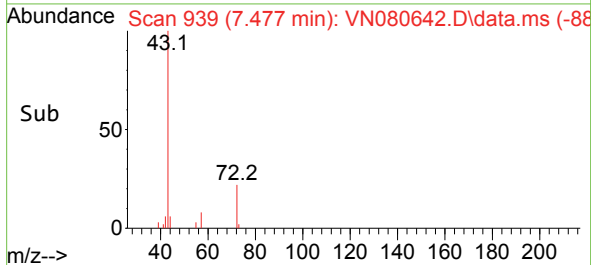
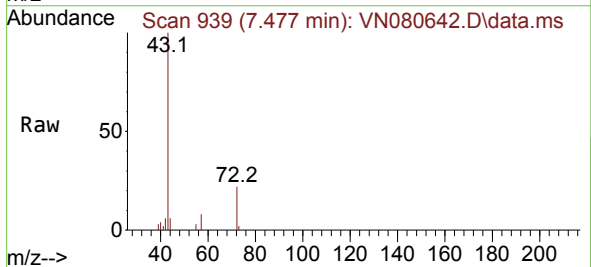


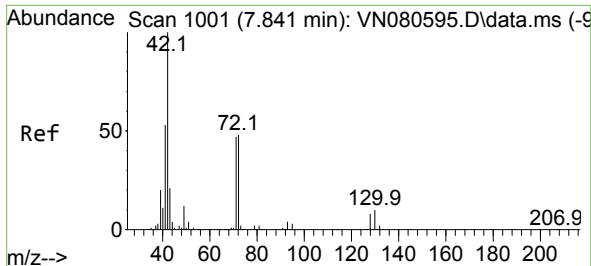
Tgt Ion: 84	Resp: 65330
Ion Ratio	Lower Upper
84 100	
49 104.6	79.7 119.5
51 31.4	25.2 37.8
86 60.2	53.3 79.9



#25
2-Butanone
Concen: 11.914 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN080642.D
Acq: 03 Jan 2024 16:07

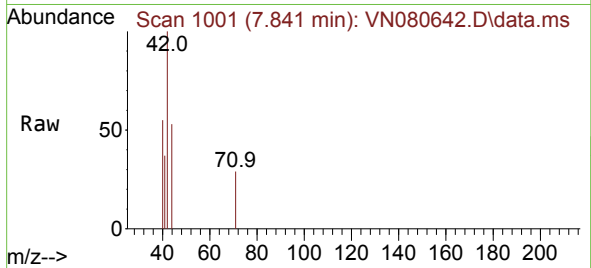
Tgt Ion: 43	Resp: 24966
Ion Ratio	Lower Upper
43 100	
72 22.3	30.2 45.2#



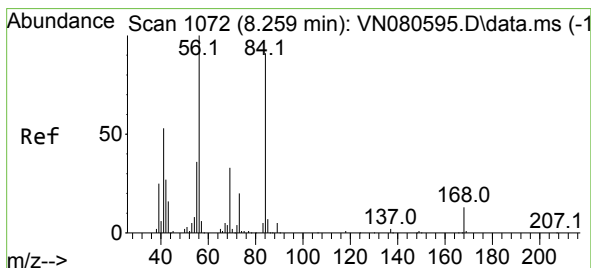
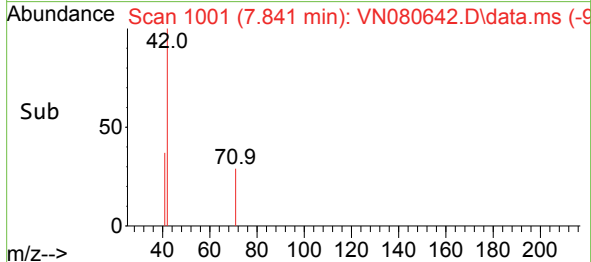
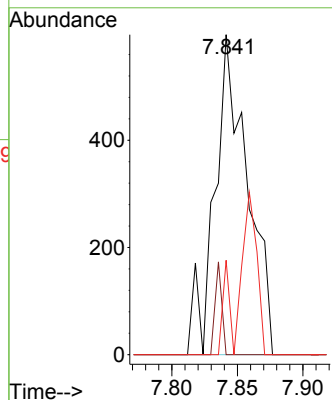


#29
Tetrahydrofuran
Concen: 0.762 ug/l
RT: 7.841 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VN080642.D
Acq: 03 Jan 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :

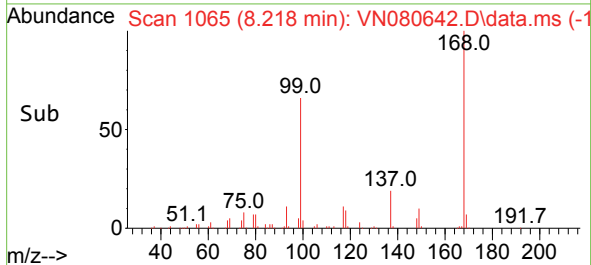
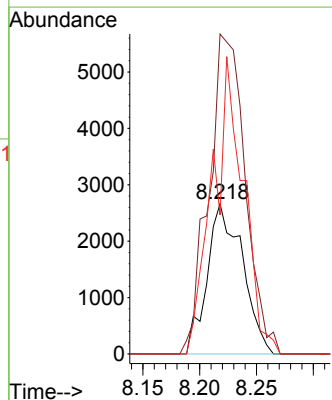
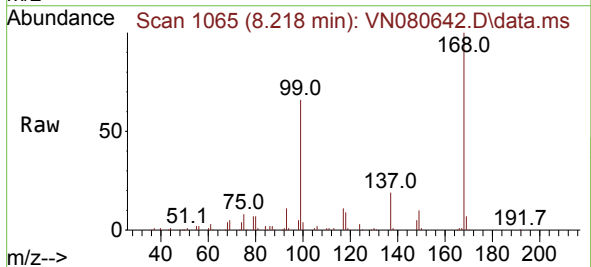


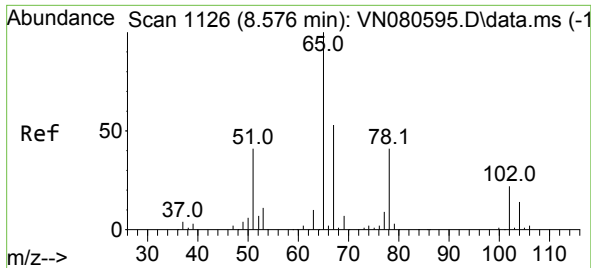
Tgt Ion: 42 Resp: 1042
Ion Ratio Lower Upper
42 100
72 5.9 49.8 74.6#
71 0.0 47.4 71.2#



#31
Cyclohexane
Concen: 1.030 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN080642.D
Acq: 03 Jan 2024 16:07

Tgt Ion: 56 Resp: 5747
Ion Ratio Lower Upper
56 100
69 212.9 26.8 40.2#
84 99.0 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 50.059 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080642.D

Acq: 03 Jan 2024 16:07

Instrument :

MSVOA_N

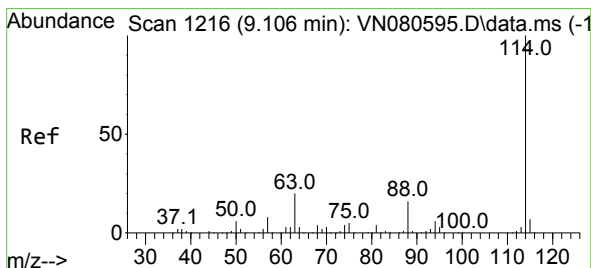
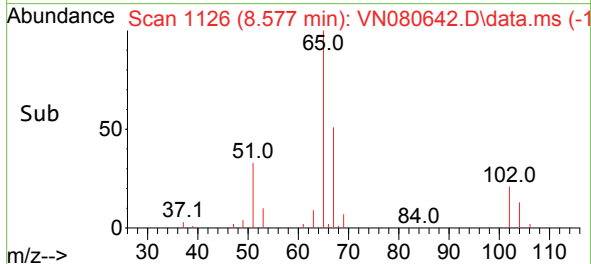
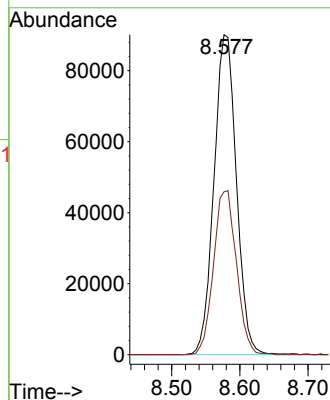
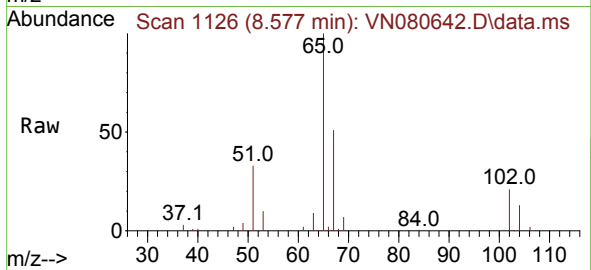
ClientSampleId :

Tgt Ion: 65 Resp: 206471

Ion Ratio Lower Upper

65 100

67 52.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN080642.D

Acq: 03 Jan 2024 16:07

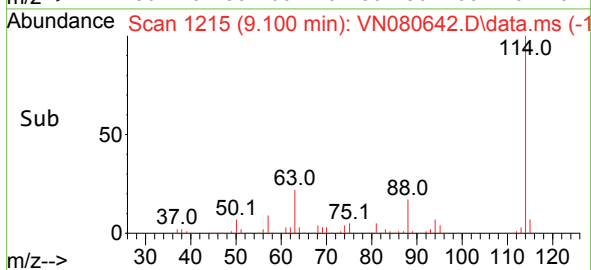
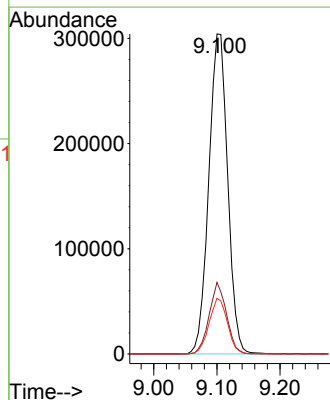
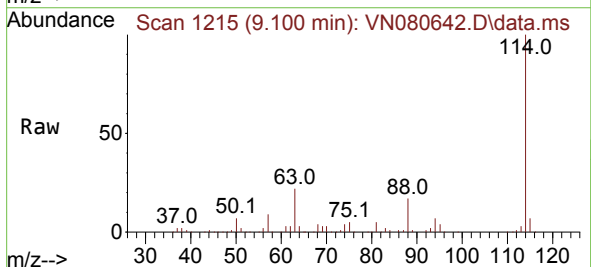
Tgt Ion: 114 Resp: 630931

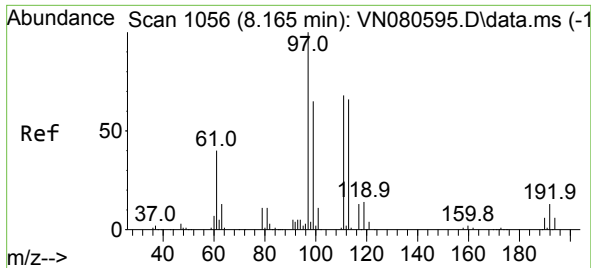
Ion Ratio Lower Upper

114 100

63 22.4 0.0 36.4

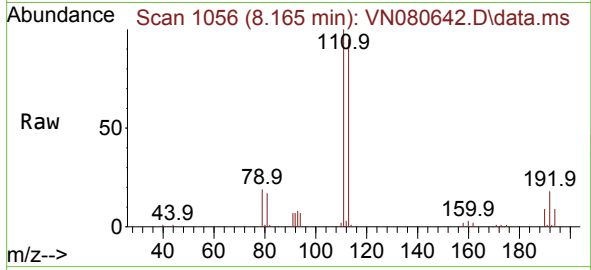
88 17.4 0.0 30.6



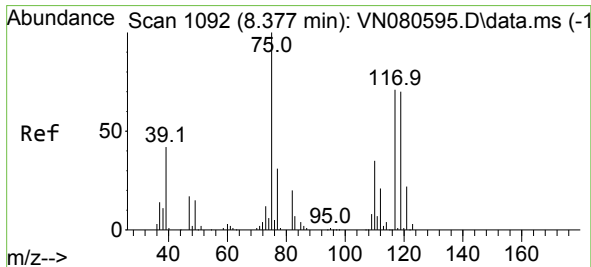
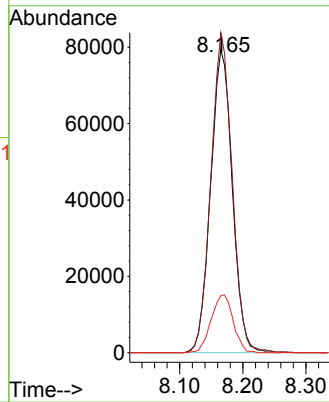
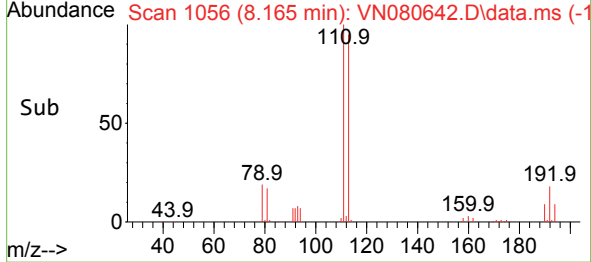


#35
Dibromofluoromethane
Concen: 46.428 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080642.D
Acq: 03 Jan 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :

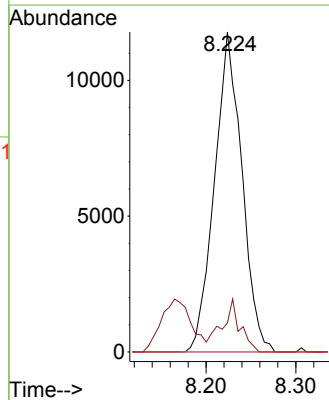
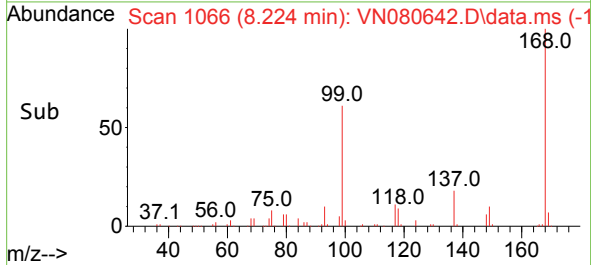
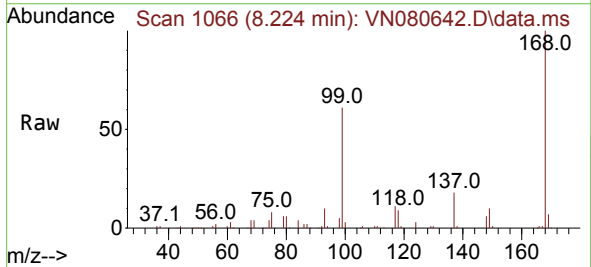


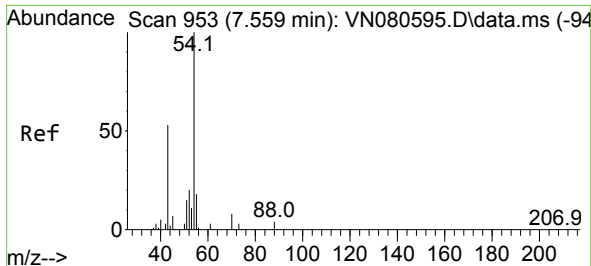
Tgt Ion:113 Resp: 189452
Ion Ratio Lower Upper
113 100
111 103.4 82.6 123.8
192 19.3 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 3.979 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080642.D
Acq: 03 Jan 2024 16:07

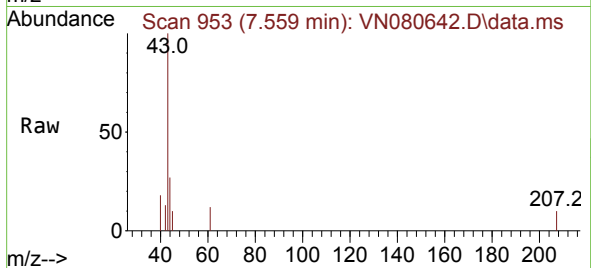
Tgt Ion: 75 Resp: 24990
Ion Ratio Lower Upper
75 100
110 11.0 19.1 57.3#
77 0.0 25.0 37.4#



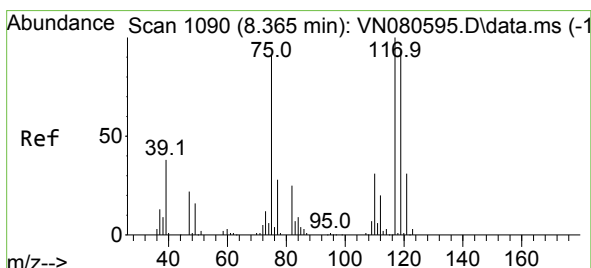
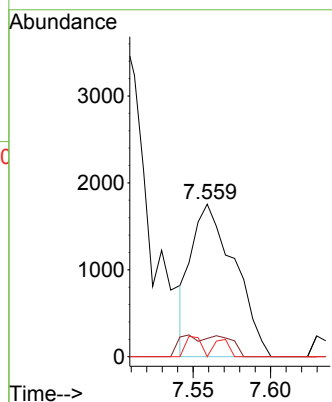
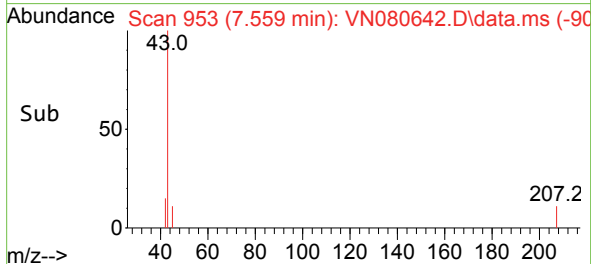


#37
Ethyl Acetate
Concen: 0.722 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN080642.D
Acq: 03 Jan 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :

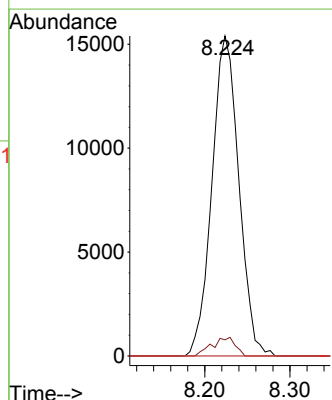
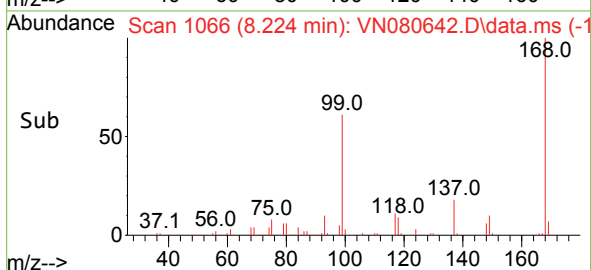
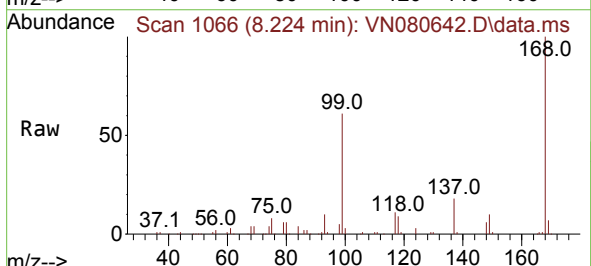


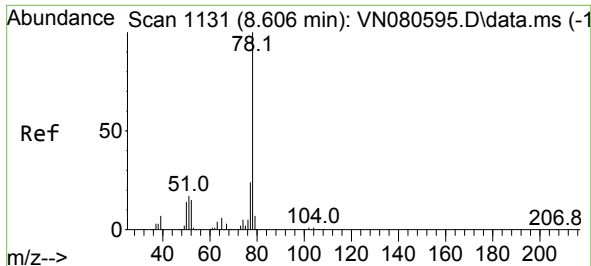
Tgt Ion: 43 Resp: 3420
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 3.9 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.258 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080642.D
Acq: 03 Jan 2024 16:07

Tgt Ion: 117 Resp: 33784
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 23.3 34.9#

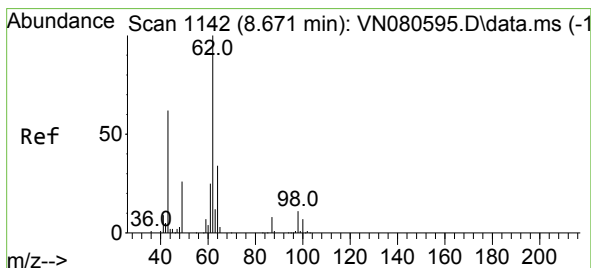
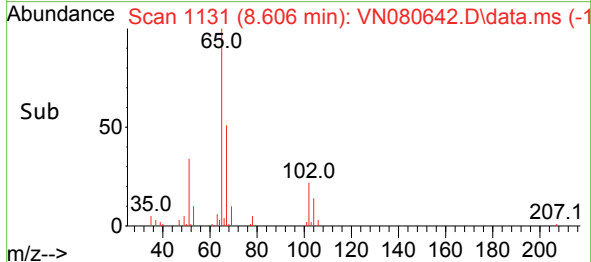
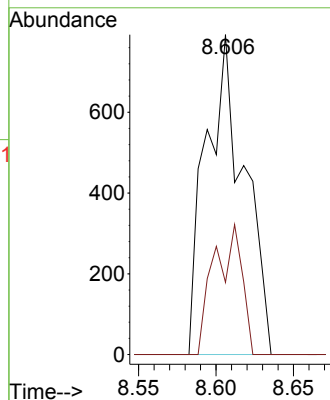
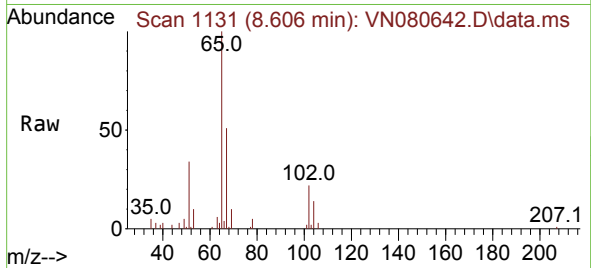




#40
Benzene
Concen: 0.445 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN080642.D
Acq: 03 Jan 2024 16:07

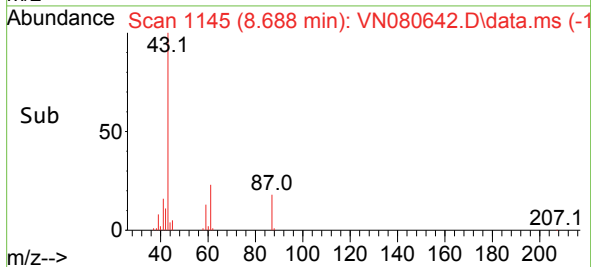
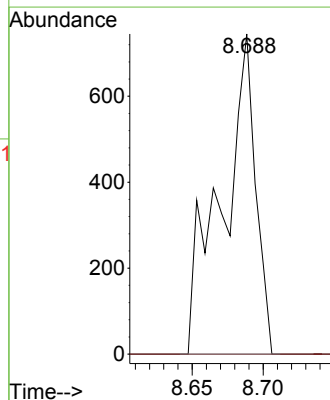
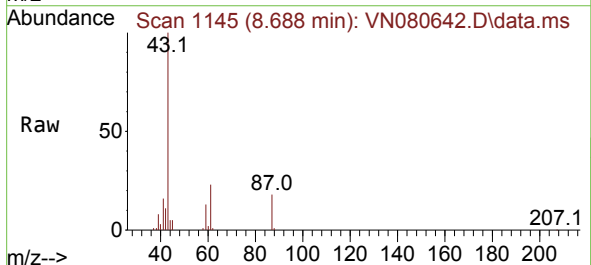
Instrument :
MSVOA_N
ClientSampleId :

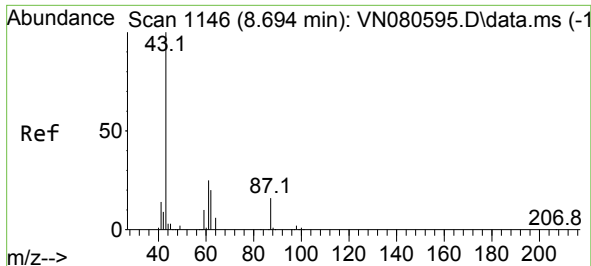
Tgt Ion: 78 Resp: 1357
Ion Ratio Lower Upper
78 100
77 22.6 19.0 28.6



#42
1,2-Dichloroethane
Concen: 0.212 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN080642.D
Acq: 03 Jan 2024 16:07

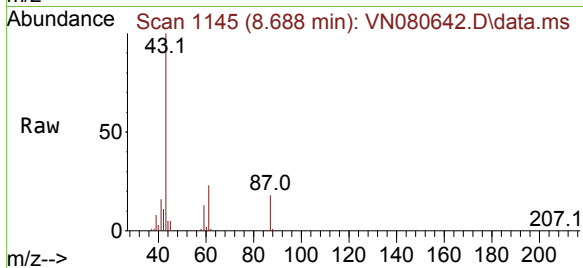
Tgt Ion: 62 Resp: 1232
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8



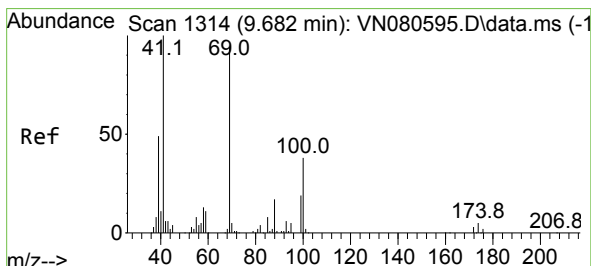
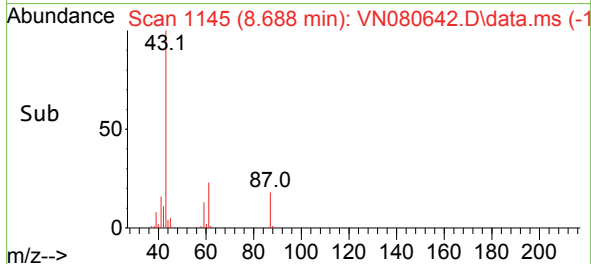
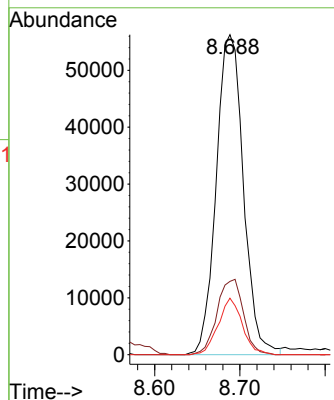


#43
Isopropyl Acetate
Concen: 16.276 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN080642.D
Acq: 03 Jan 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :

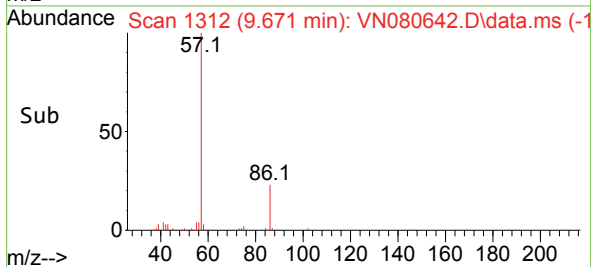
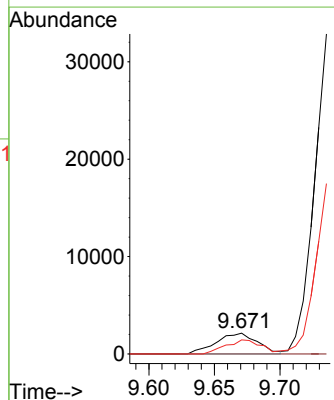
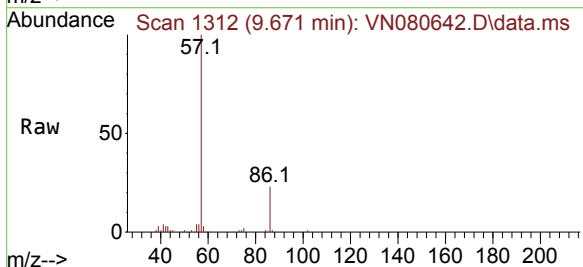


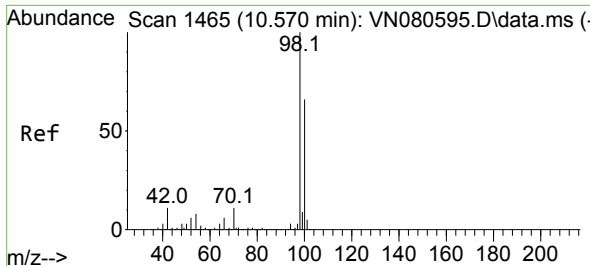
Tgt Ion: 43 Resp: 125010
Ion Ratio Lower Upper
43 100
61 22.8 24.7 37.1#
87 15.6 14.6 21.8



#48
Methyl methacrylate
Concen: 1.099 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.012 min
Lab File: VN080642.D
Acq: 03 Jan 2024 16:07

Tgt Ion: 41 Resp: 4687
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 59.6 54.6 81.8

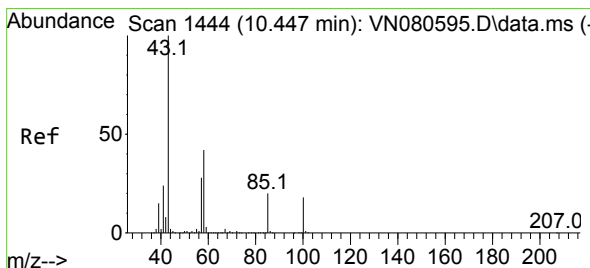
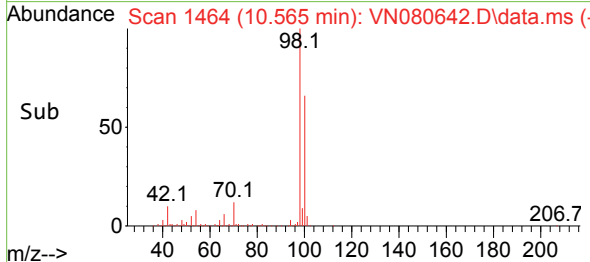
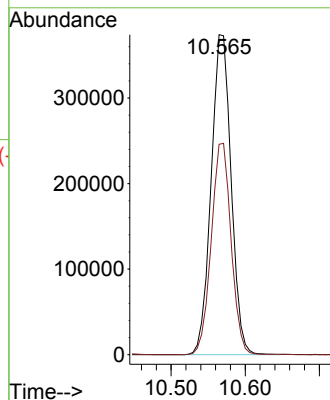
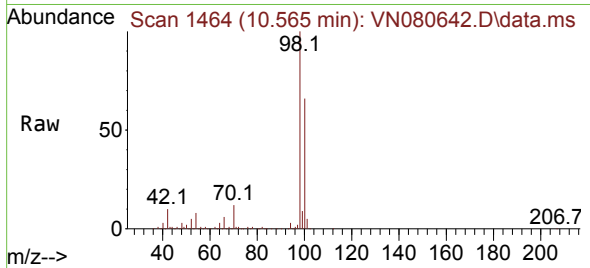




#50
Toluene-d8
Concen: 49.156 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN080642.D
Acq: 03 Jan 2024 16:07

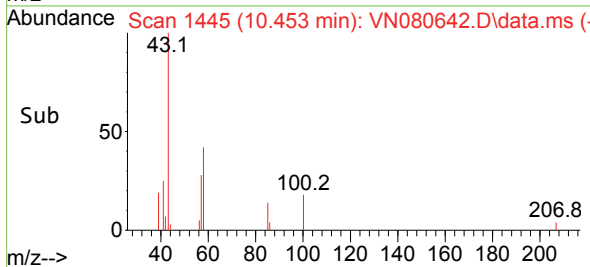
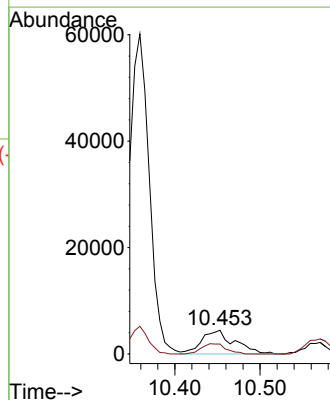
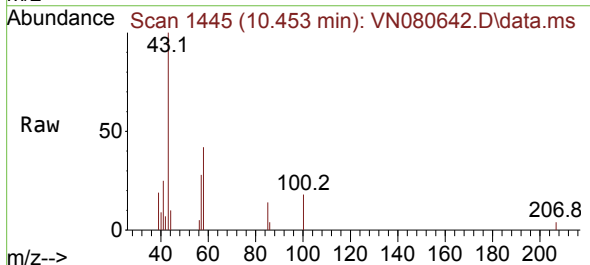
Instrument :
MSVOA_N
ClientSampleId :

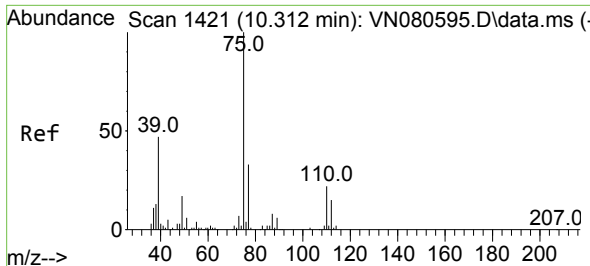
Tgt Ion: 98 Resp: 700351
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.730 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN080642.D
Acq: 03 Jan 2024 16:07

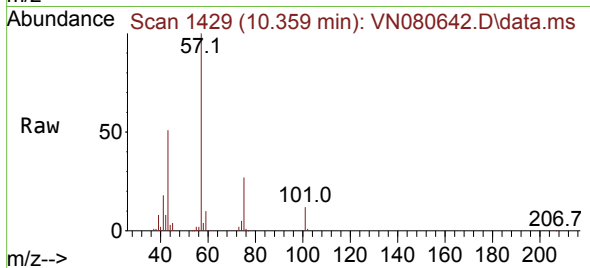
Tgt Ion: 43 Resp: 11925
Ion Ratio Lower Upper
43 100
58 32.5 36.6 54.8#



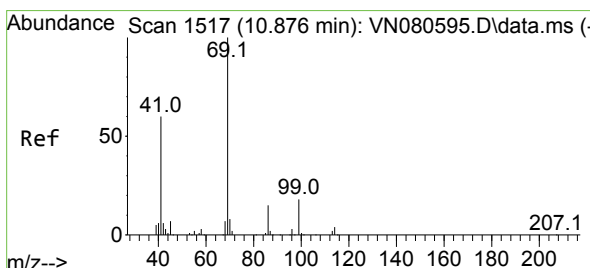
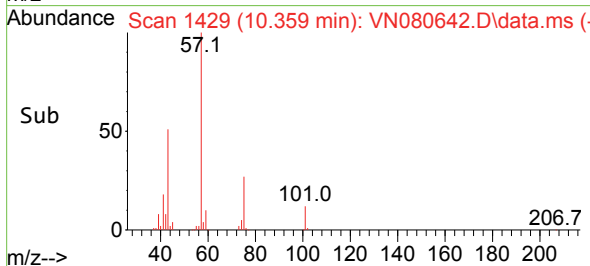
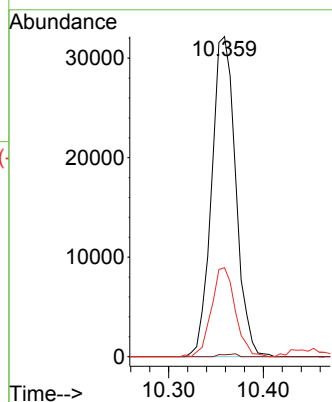


#54
 cis-1,3-Dichloropropene
 Concen: 8.363 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080642.D
 Acq: 03 Jan 2024 16:07

Instrument :
 MSVOA_N
 ClientSampleId :

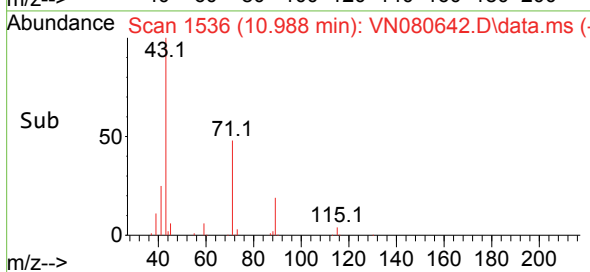
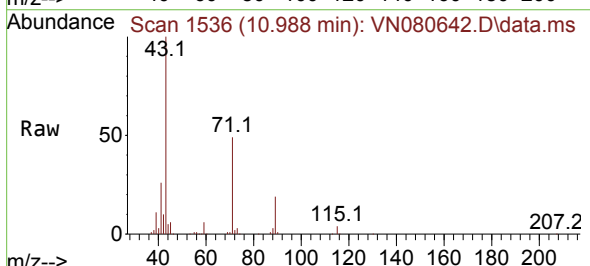
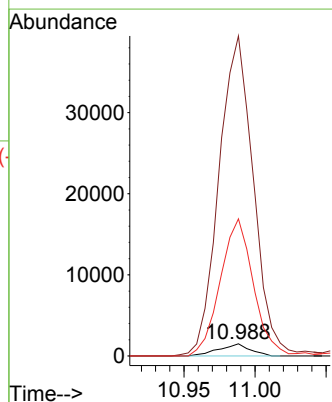


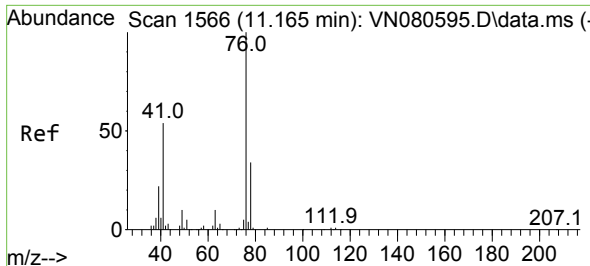
Tgt Ion: 75 Resp: 56800
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.1 39.1#
 39 27.8 31.6 47.4#



#56
 Ethyl methacrylate
 Concen: 0.592 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN080642.D
 Acq: 03 Jan 2024 16:07

Tgt Ion: 69 Resp: 2295
 Ion Ratio Lower Upper
 69 100
 41 2914.8 39.6 59.4#
 39 1204.9 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 0.842 ug/l

RT: 11.200 min Scan# 1567

Delta R.T. 0.035 min

Lab File: VN080642.D

Acq: 03 Jan 2024 16:07

Instrument :

MSVOA_N

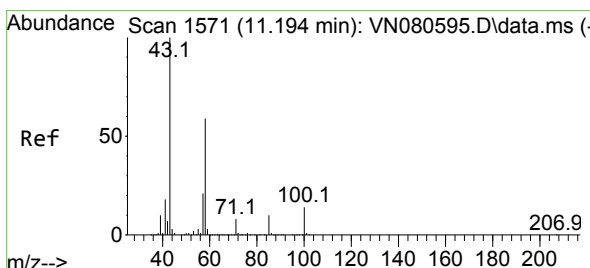
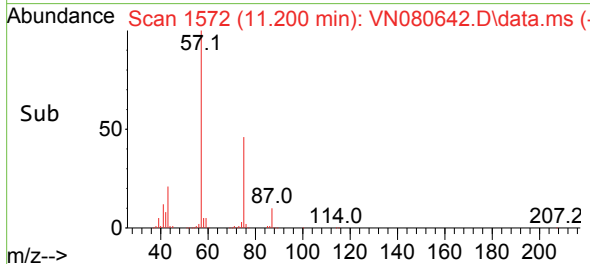
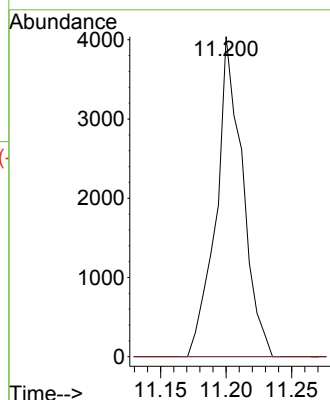
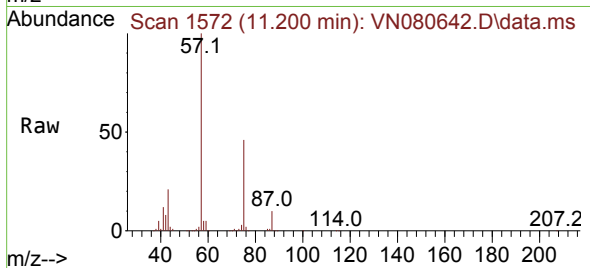
ClientSampleId :

Tgt Ion: 76 Resp: 5649

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 62.606 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN080642.D

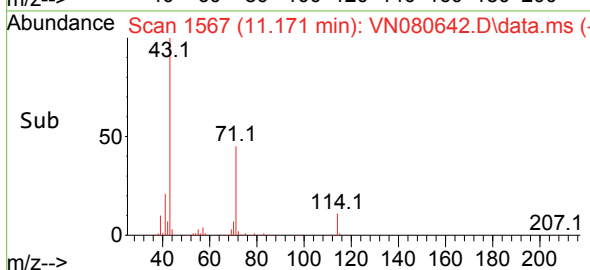
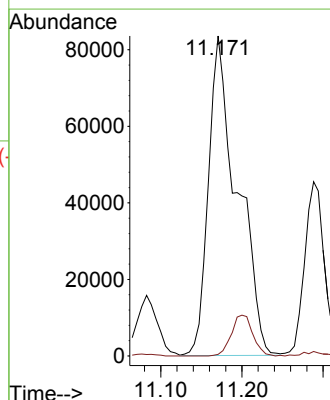
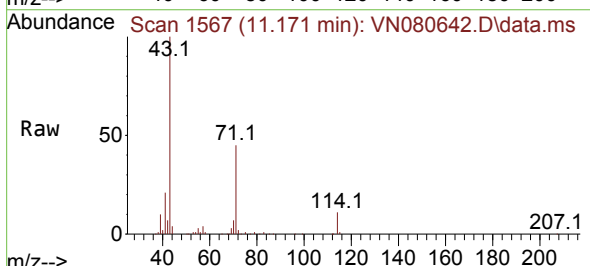
Acq: 03 Jan 2024 16:07

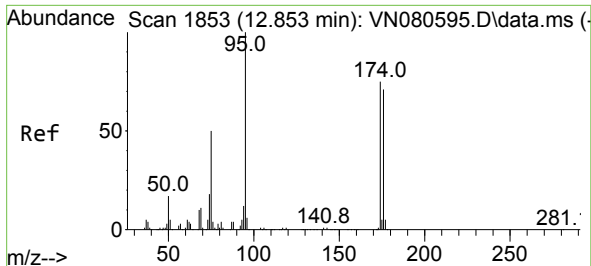
Tgt Ion: 43 Resp: 206135

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

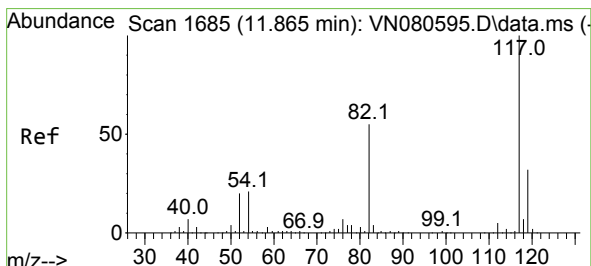
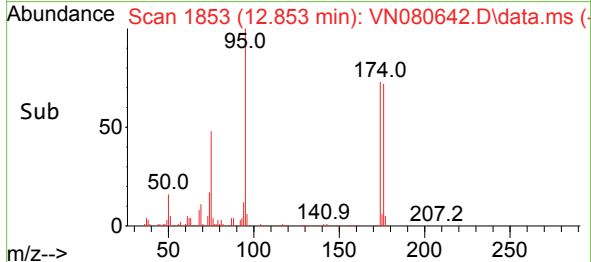
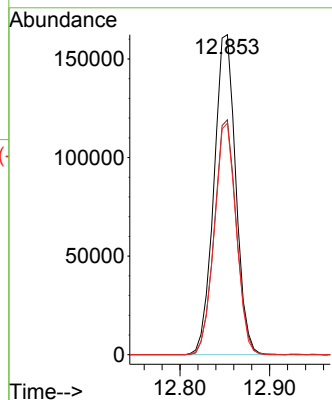
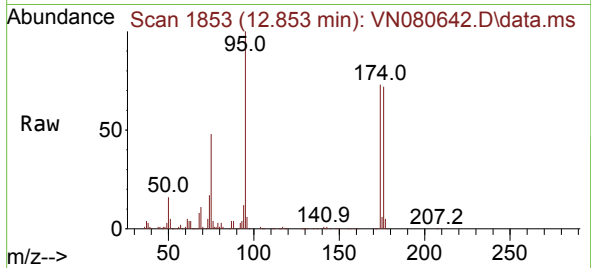




#62
4-Bromofluorobenzene
Concen: 57.195 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080642.D
Acq: 03 Jan 2024 16:07

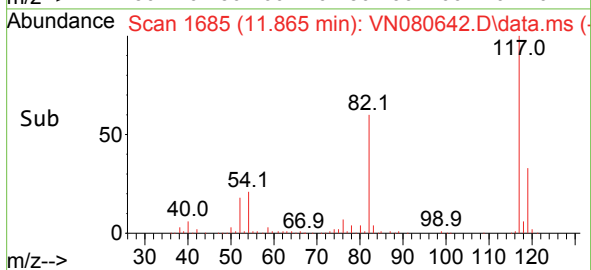
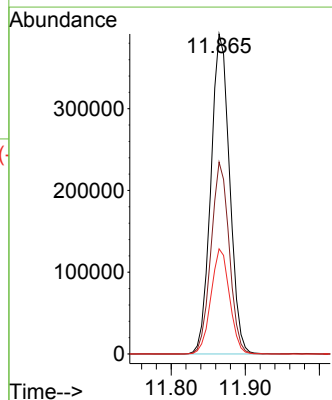
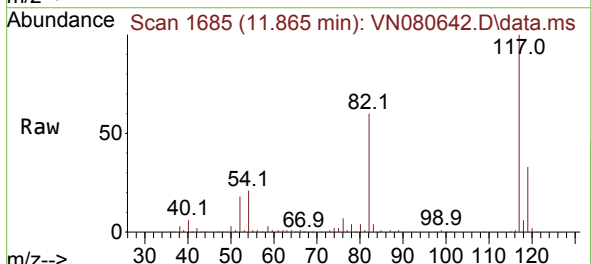
Instrument :
MSVOA_N
ClientSampleId :

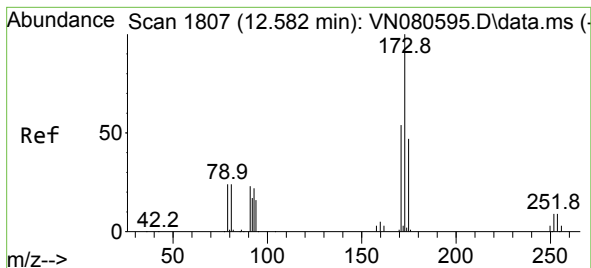
Tgt Ion: 95 Resp: 274247
Ion Ratio Lower Upper
95 100
174 73.9 0.0 143.8
176 72.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080642.D
Acq: 03 Jan 2024 16:07

Tgt Ion: 117 Resp: 687176
Ion Ratio Lower Upper
117 100
82 59.9 44.0 66.0
119 32.9 25.6 38.4





#71

Bromoform

Concen: 0.235 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

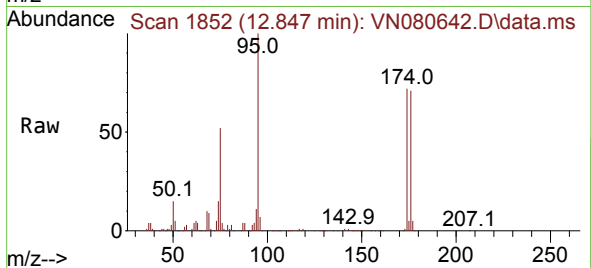
Lab File: VN080642.D

Acq: 03 Jan 2024 16:07

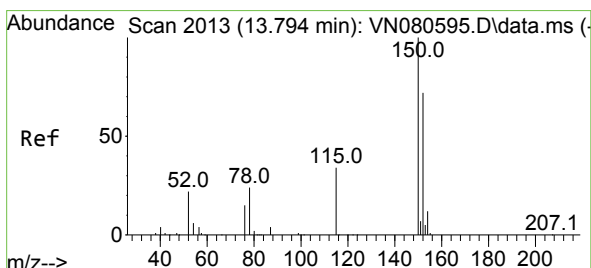
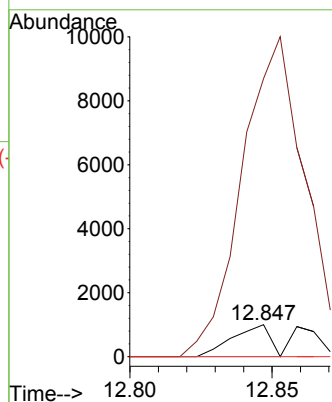
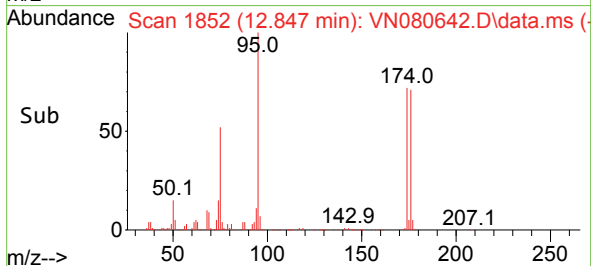
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	915
Ion Ratio	Lower	Upper	
173	100		
175	1431.6	24.3	73.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

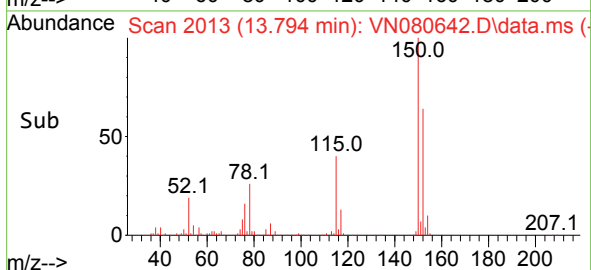
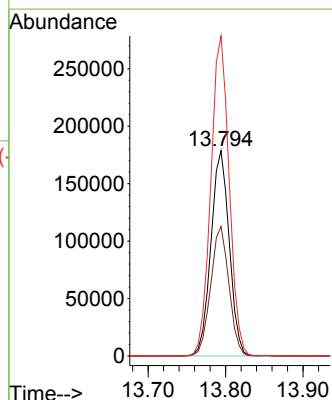
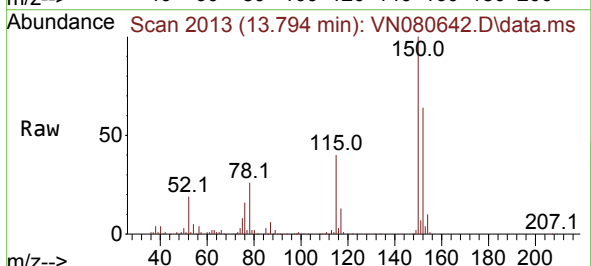
RT: 13.794 min Scan# 2013

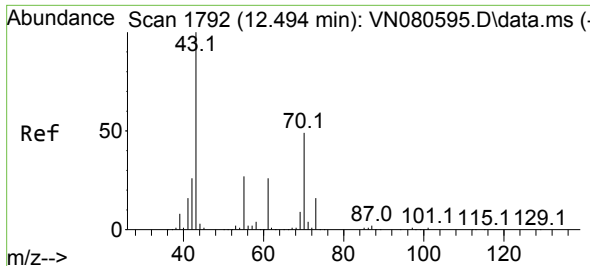
Delta R.T. 0.000 min

Lab File: VN080642.D

Acq: 03 Jan 2024 16:07

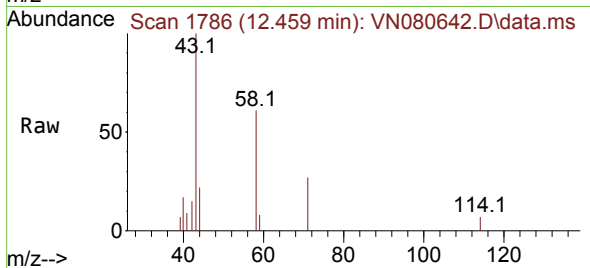
Tgt Ion:	152	Resp:	292708
Ion Ratio	Lower	Upper	
152	100		
115	63.0	32.3	96.8
150	156.5	0.0	355.8



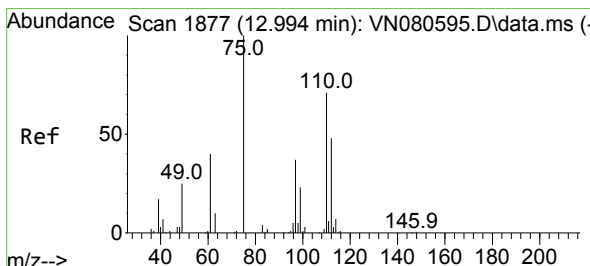
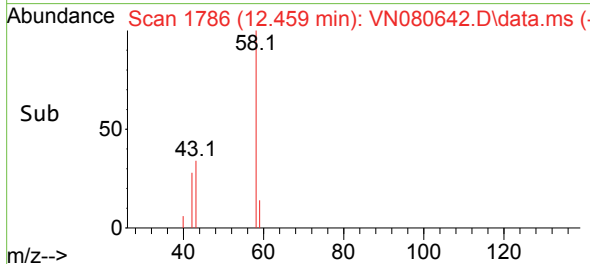
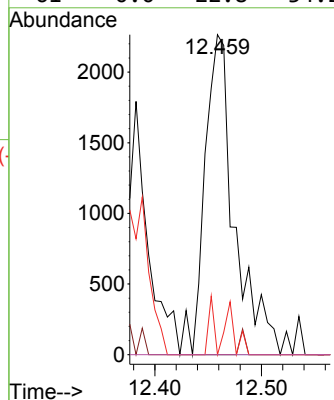


#74
N-amy1 acetate
Concen: 0.622 ug/l
RT: 12.459 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN080642.D
Acq: 03 Jan 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :

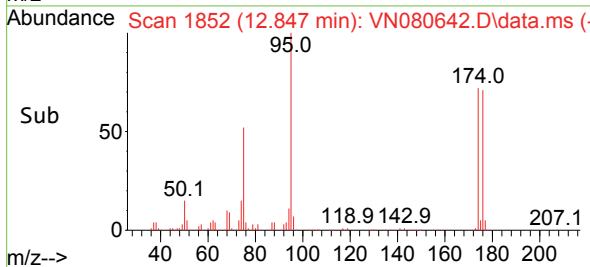
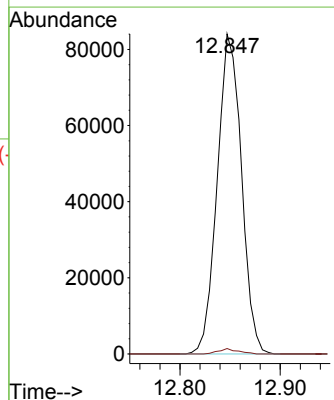
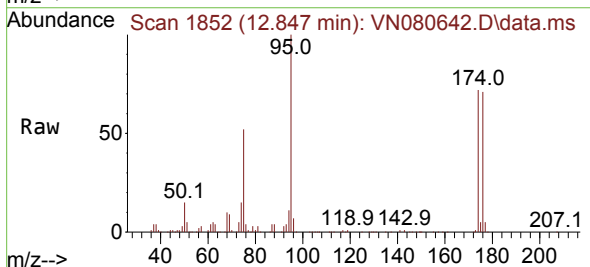


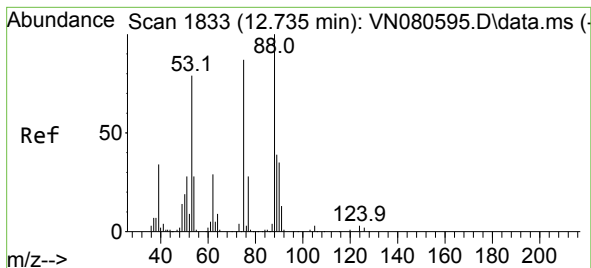
Tgt Ion: 43	Resp: 4394
Ion Ratio	Lower Upper
43 100	
70 0.0	43.4 65.2#
55 3.3	21.4 32.0#
61 0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 22.386 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080642.D
Acq: 03 Jan 2024 16:07

Tgt Ion: 75	Resp: 140936
Ion Ratio	Lower Upper
75 100	
77 1.4	84.5 253.5#

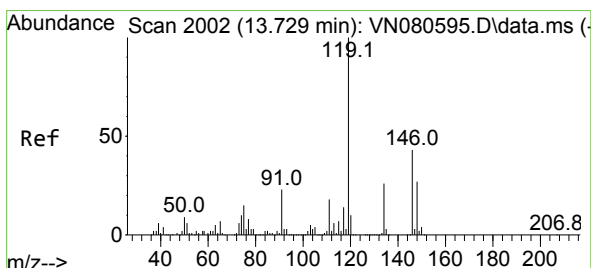
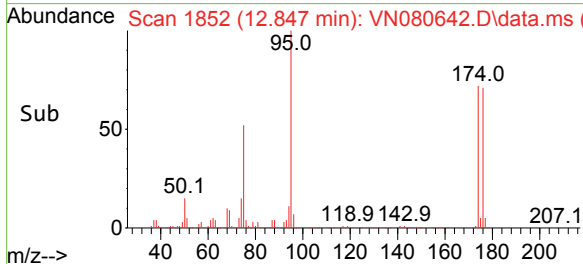
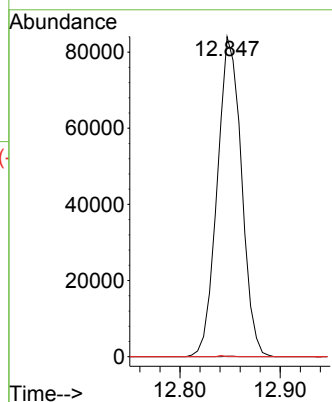
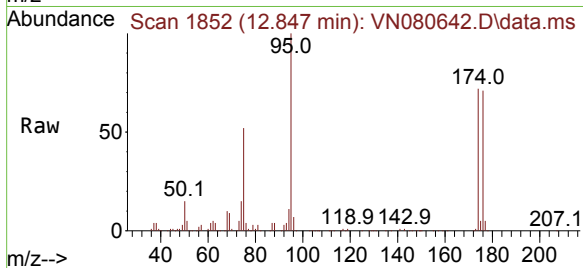




#81
trans-1,4-Dichloro-2-butene
Concen: 60.639 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN080642.D
Acq: 03 Jan 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 140936
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.1 38.8 58.2#



#86
p-Isopropyltoluene
Concen: 0.459 ug/l
RT: 13.447 min Scan# 1954
Delta R.T. -0.282 min
Lab File: VN080642.D
Acq: 03 Jan 2024 16:07

Tgt Ion: 119 Resp: 72
Ion Ratio Lower Upper
119 100
134 0.0 12.6 37.8#
91 0.0 12.4 37.2#

