

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043024\
 Data File : VN081935.D
 Acq On : 30 Apr 2024 16:53
 Operator : JC\MD
 Sample : P2307-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

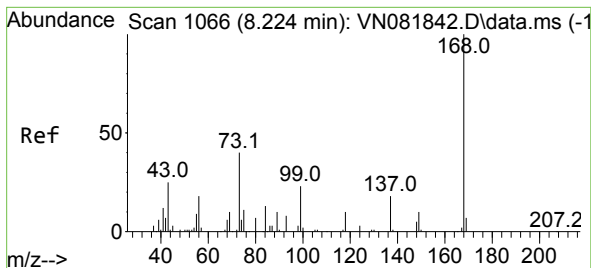
Quant Time: May 01 00:56:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	206127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	412638	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	367576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	146086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	157242	45.199	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.400%
35) Dibromofluoromethane	8.165	113	118204	47.578	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.160%
50) Toluene-d8	10.565	98	506996	51.960	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.920%
62) 4-Bromofluorobenzene	12.847	95	174062	45.127	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	90.260%
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	187	Below Cal	#	72
11) Tert butyl alcohol	5.512	59	523	0.827	ug/l #	71
13) Acrolein	4.195	56	79	Below Cal	#	1
16) Acetone	4.436	43	52345	46.431	ug/l	98
18) Methyl Acetate	5.030	43	3826	1.086	ug/l #	70
20) Methylene Chloride	5.277	84	12314	4.130	ug/l	89
25) 2-Butanone	7.489	43	5891	2.984	ug/l #	60
29) Tetrahydrofuran	7.848	42	854	0.603	ug/l #	40
31) Cyclohexane	8.230	56	6006	1.146	ug/l #	16
36) 1,1-Dichloropropene	8.218	75	19888	4.920	ug/l #	49
37) Ethyl Acetate	7.565	43	5966	1.365	ug/l #	87
38) Carbon Tetrachloride	8.224	117	20622	5.220	ug/l #	15
43) Isopropyl Acetate	8.689	43	379007	46.124	ug/l #	71
45) 1,2-Dichloropropane	9.742	63	1766	0.556	ug/l #	45
48) Methyl methacrylate	9.659	41	6280	1.601	ug/l #	38
49) 1,4-Dioxane	9.730	88	69	1.157	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	15241	3.295	ug/l #	69
53) t-1,3-Dichloropropene	10.730	75	1010	0.201	ug/l #	76
54) cis-1,3-Dichloropropene	10.359	75	68307	13.159	ug/l #	66
57) 1,3-Dichloropropane	11.200	76	7768	1.529	ug/l #	42
59) 2-Hexanone	11.171	43	164728	47.851	ug/l #	23
71) Bromoform	12.847	173	683	0.333	ug/l #	1
74) N-amyl acetate	12.483	43	1462	0.202	ug/l #	52
76) 1,2,3-Trichloropropane	12.853	75	95446	25.199	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	95446	51.636	ug/l #	12
95) Naphthalene	15.641	128	2447	0.238	ug/l #	93

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

Quant Time: May 01 00:56:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 26 05:26:49 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081935.D

Acq: 30 Apr 2024 16:53

Instrument :

MSVOA_N

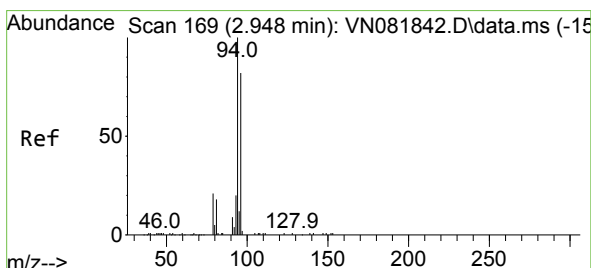
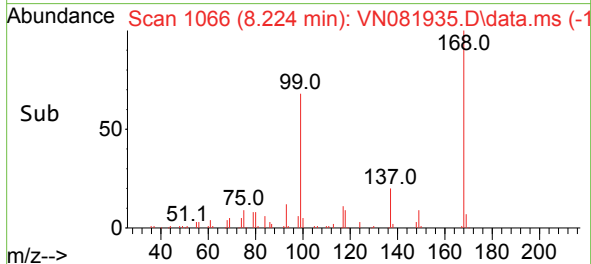
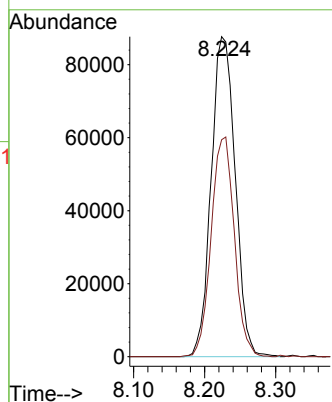
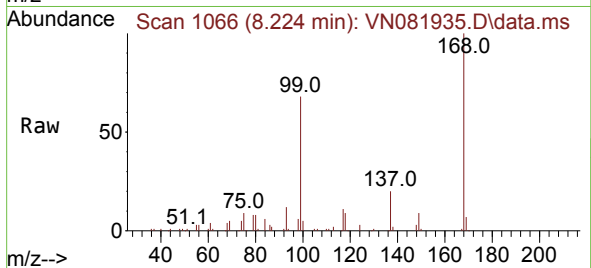
ClientSampleId :

Tgt Ion:168 Resp: 206127

Ion Ratio Lower Upper

168 100

99 67.8 48.2 72.4



#5

Bromomethane

Concen: Below Cal

RT: 2.977 min Scan# 174

Delta R.T. 0.029 min

Lab File: VN081935.D

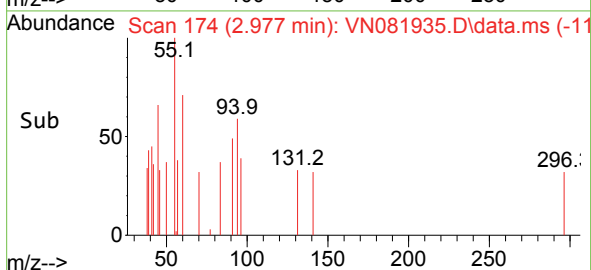
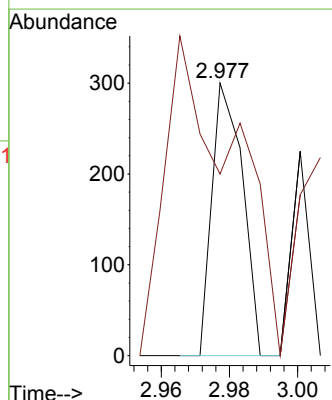
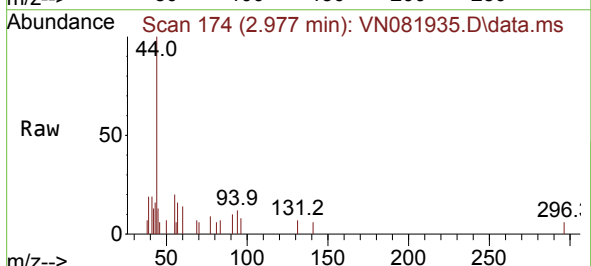
Acq: 30 Apr 2024 16:53

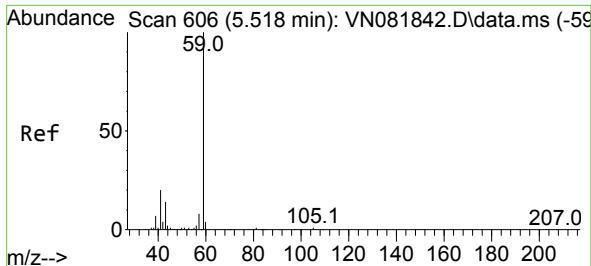
Tgt Ion: 94 Resp: 187

Ion Ratio Lower Upper

94 100

96 66.7 74.8 112.2#





#11

Tert butyl alcohol

Concen: 0.827 ug/l

RT: 5.512 min Scan# 606

Delta R.T. -0.006 min

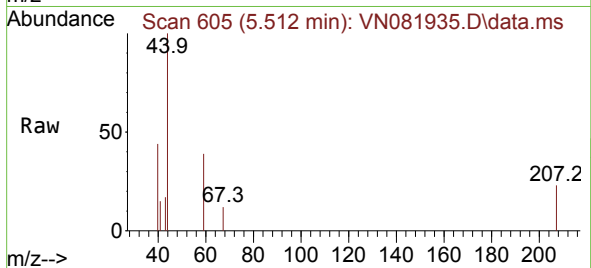
Lab File: VN081935.D

Acq: 30 Apr 2024 16:53

Instrument :

MSVOA_N

ClientSampleId :

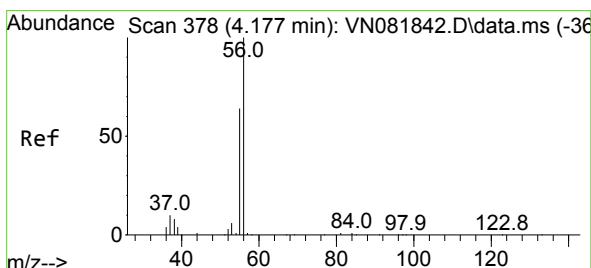
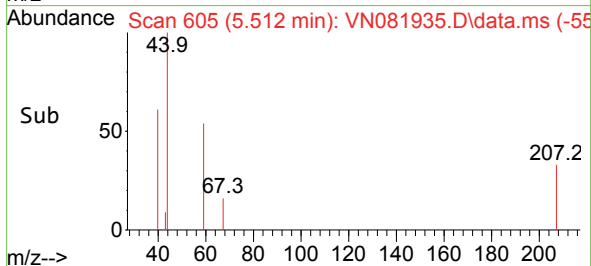
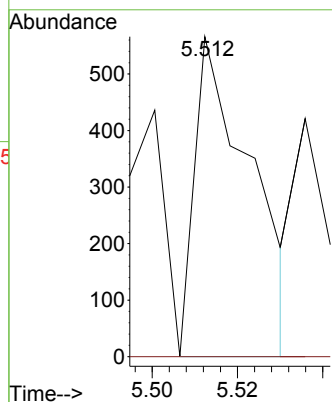


Tgt Ion: 59 Resp: 523

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#



#13

Acrolein

Concen: Below Cal

RT: 4.195 min Scan# 381

Delta R.T. 0.018 min

Lab File: VN081935.D

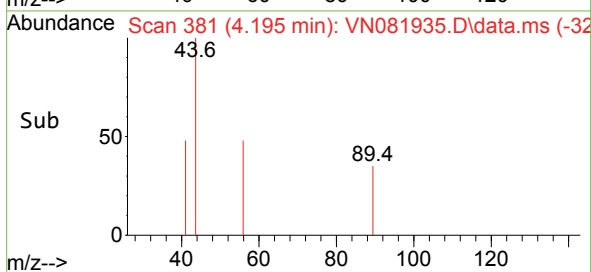
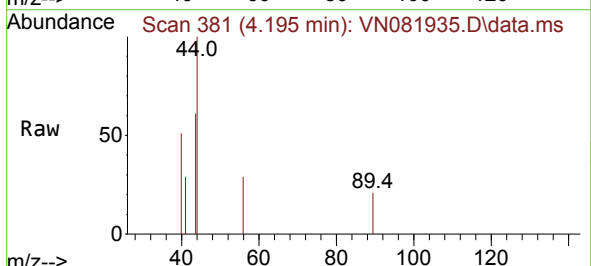
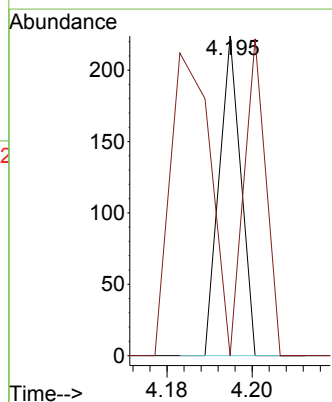
Acq: 30 Apr 2024 16:53

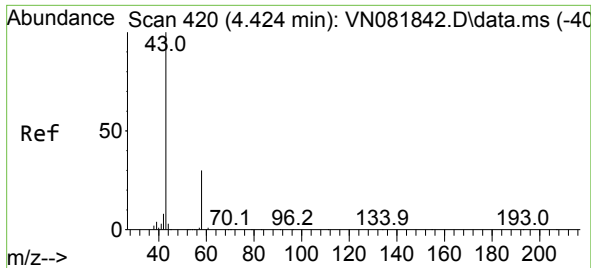
Tgt Ion: 56 Resp: 79

Ion Ratio Lower Upper

56 100

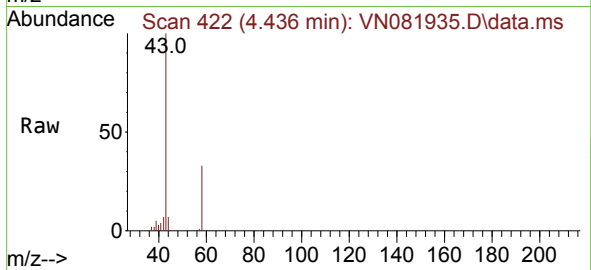
55 174.7 55.8 83.8#



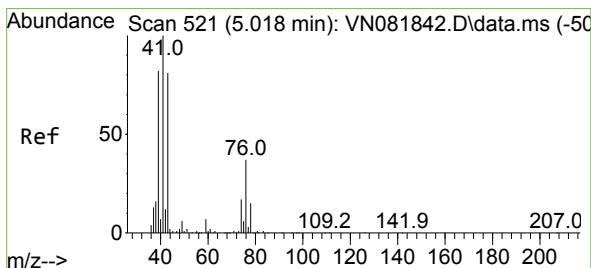
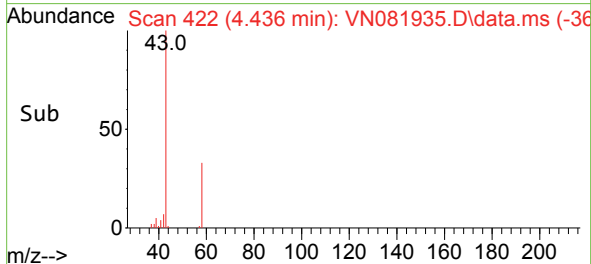
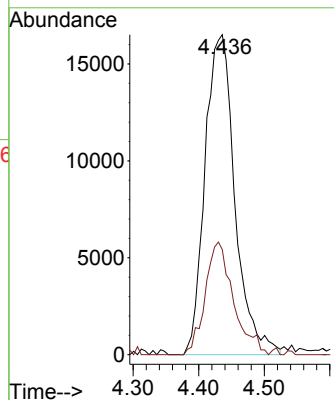


#16
Acetone
Concen: 46.431 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN081935.D
Acq: 30 Apr 2024 16:53

Instrument :
MSVOA_N
ClientSampleId :

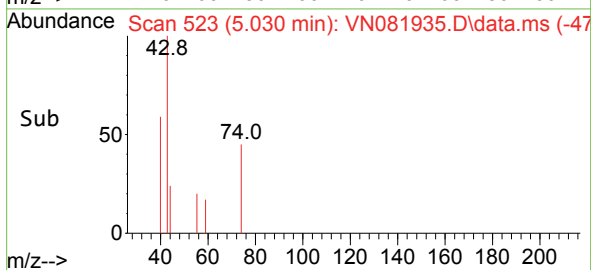
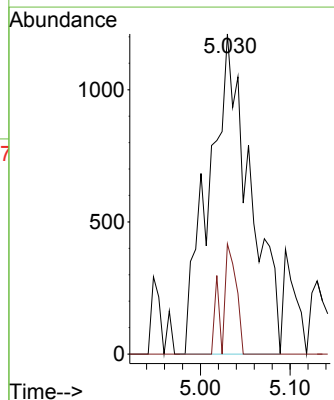
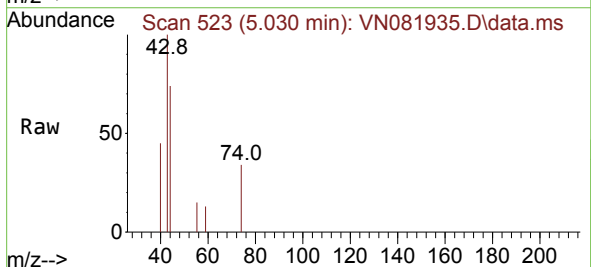


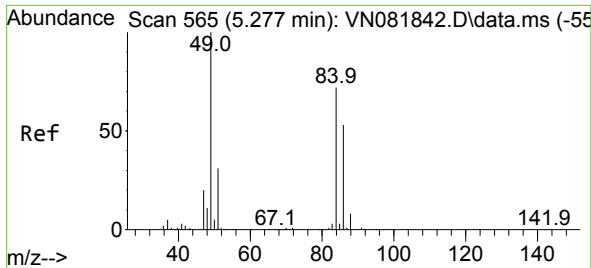
Tgt Ion: 43 Resp: 52345
Ion Ratio Lower Upper
43 100
58 32.9 25.2 37.8



#18
Methyl Acetate
Concen: 1.086 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN081935.D
Acq: 30 Apr 2024 16:53

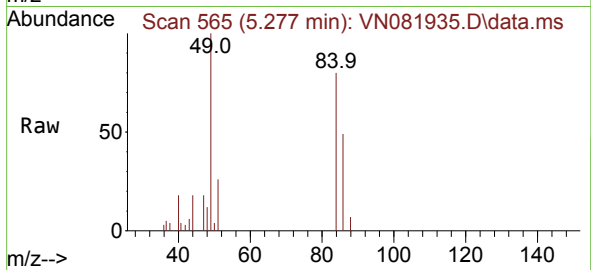
Tgt Ion: 43 Resp: 3826
Ion Ratio Lower Upper
43 100
74 11.9 22.2 33.2#



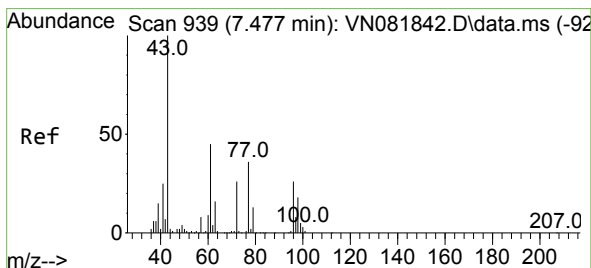
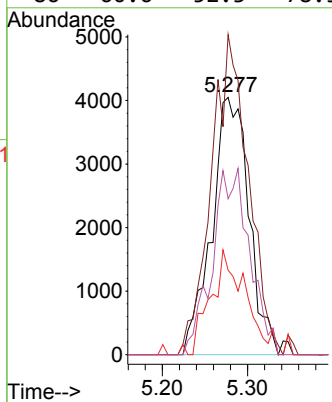
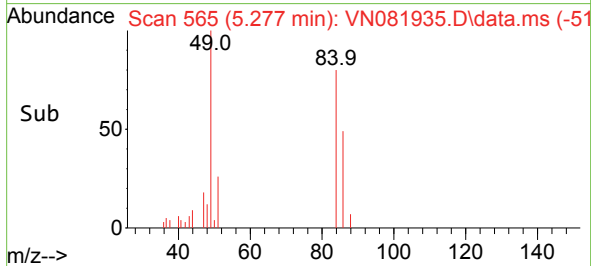


#20
Methylene Chloride
Concen: 4.130 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN081935.D
Acq: 30 Apr 2024 16:53

Instrument :
MSVOA_N
ClientSampleId :

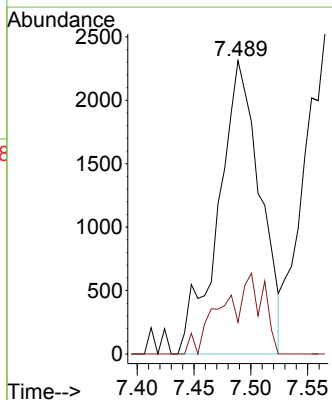
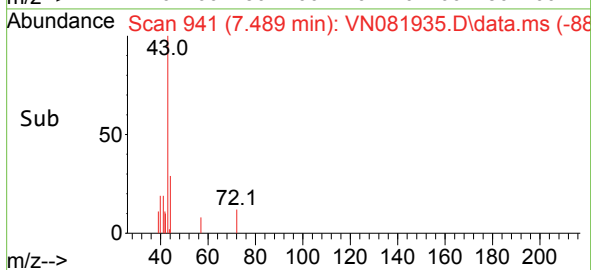
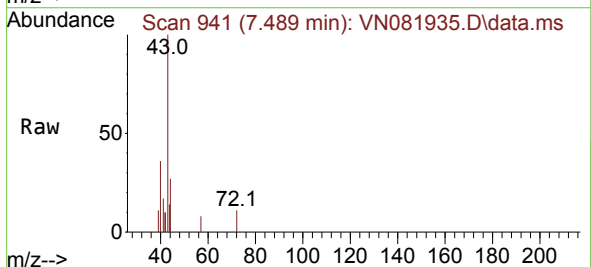


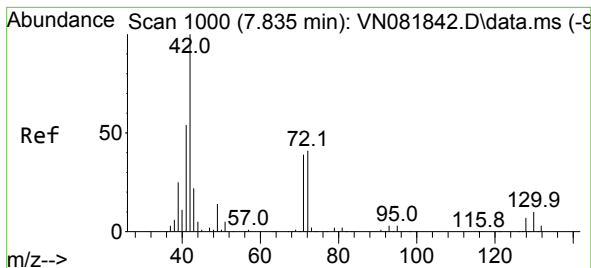
Tgt Ion:	84	Resp:	12314
Ion	Ratio	Lower	Upper
84	100		
49	124.3	84.9	127.3
51	32.8	27.0	40.6
86	60.6	52.3	78.5



#25
2-Butanone
Concen: 2.984 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN081935.D
Acq: 30 Apr 2024 16:53

Tgt Ion:	43	Resp:	5891
Ion	Ratio	Lower	Upper
43	100		
72	9.4	25.3	37.9#





#29

Tetrahydrofuran

Concen: 0.603 ug/l

RT: 7.848 min Scan# 10

Delta R.T. 0.012 min

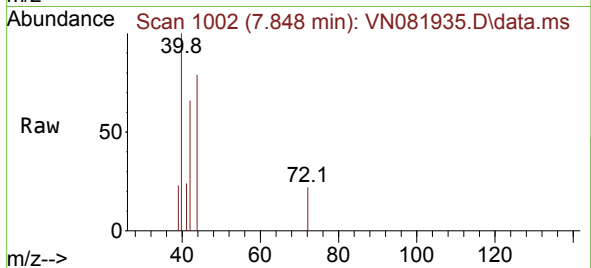
Lab File: VN081935.D

Acq: 30 Apr 2024 16:53

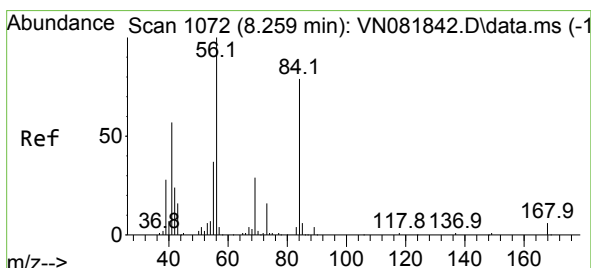
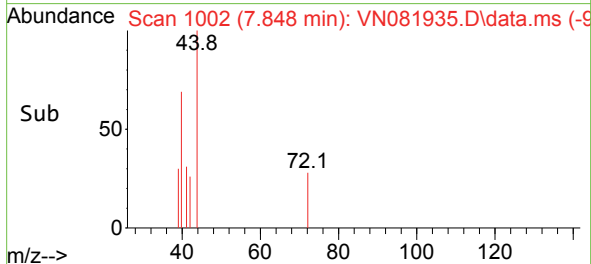
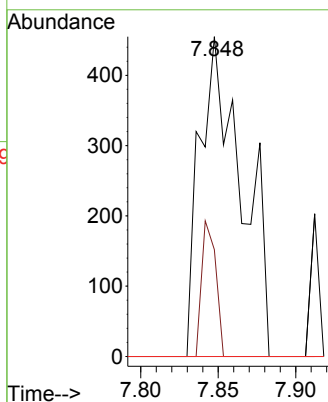
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	854
Ion	Ratio	Lower	Upper
42	100		
72	14.3	39.3	58.9#
71	0.0	37.4	56.0#



#31

Cyclohexane

Concen: 1.146 ug/l

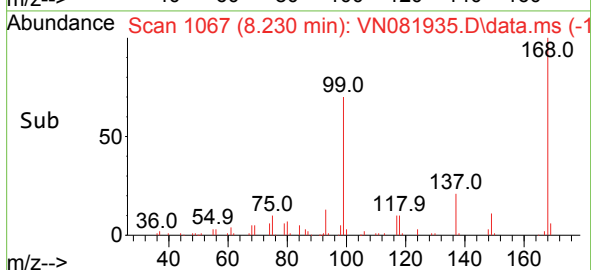
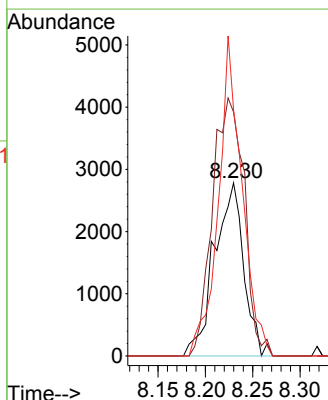
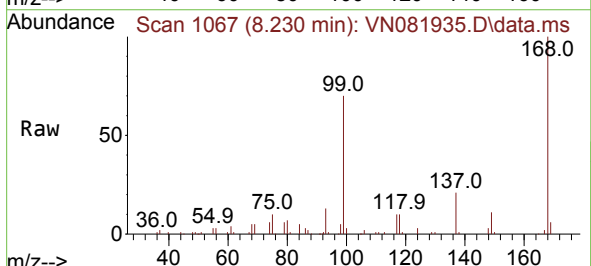
RT: 8.230 min Scan# 1067

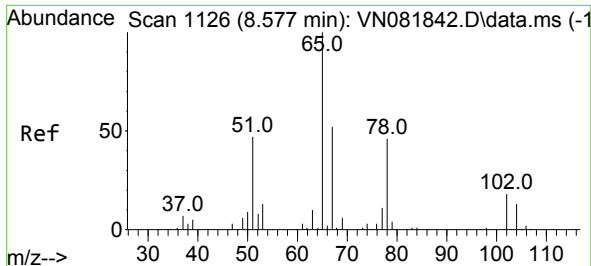
Delta R.T. -0.029 min

Lab File: VN081935.D

Acq: 30 Apr 2024 16:53

Tgt Ion:	56	Resp:	6006
Ion	Ratio	Lower	Upper
56	100		
69	140.8	24.4	36.6#
84	142.2	77.0	115.4#





#33

1,2-Dichloroethane-d4

Concen: 45.199 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081935.D

Acq: 30 Apr 2024 16:53

Instrument :

MSVOA_N

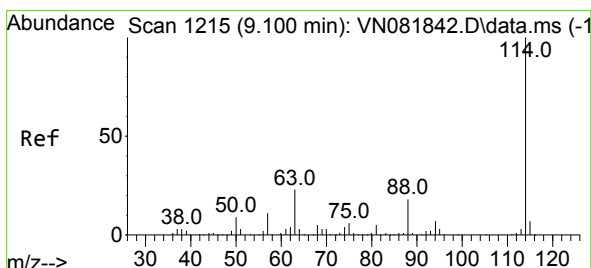
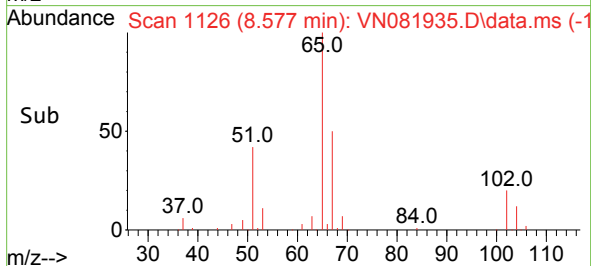
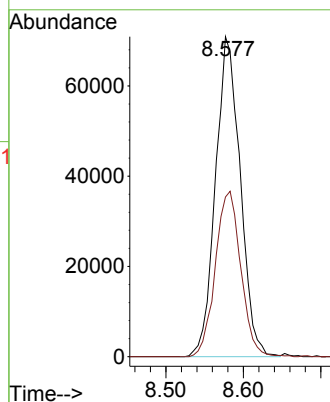
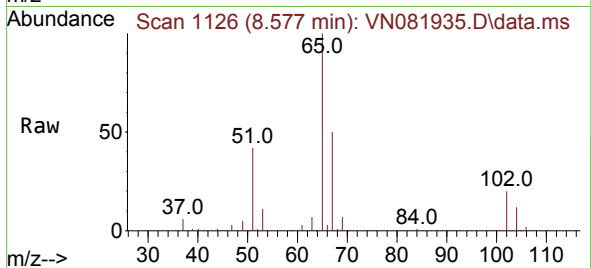
ClientSampleId :

Tgt Ion: 65 Resp: 157242

Ion Ratio Lower Upper

65 100

67 53.2 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN081935.D

Acq: 30 Apr 2024 16:53

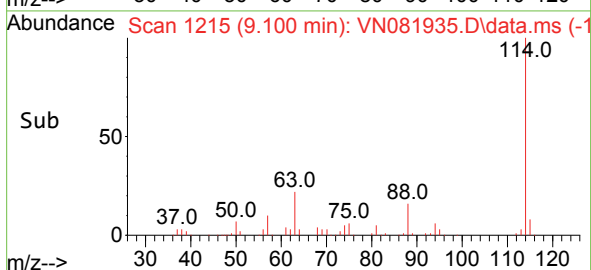
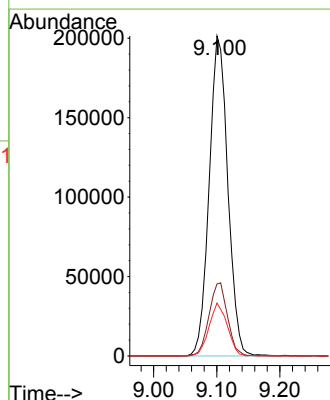
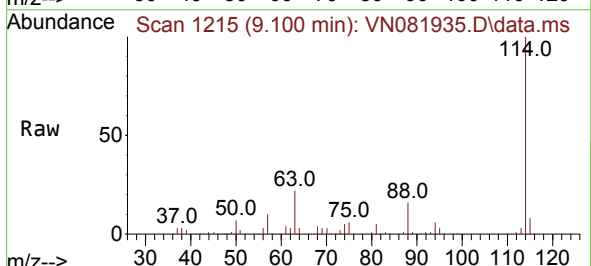
Tgt Ion: 114 Resp: 412638

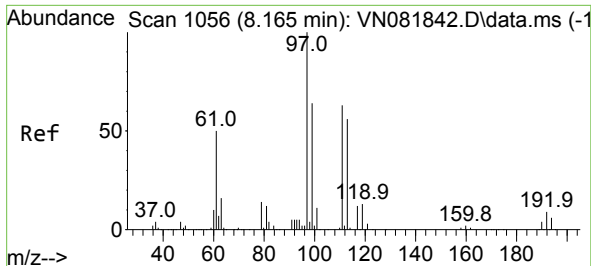
Ion Ratio Lower Upper

114 100

63 22.5 0.0 41.0

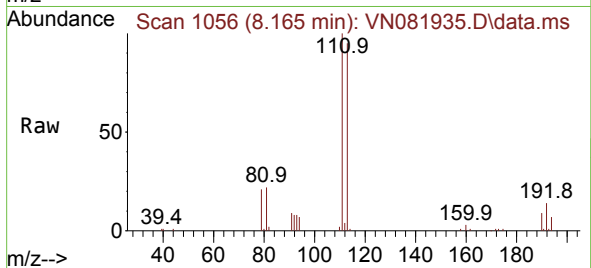
88 16.5 0.0 31.4



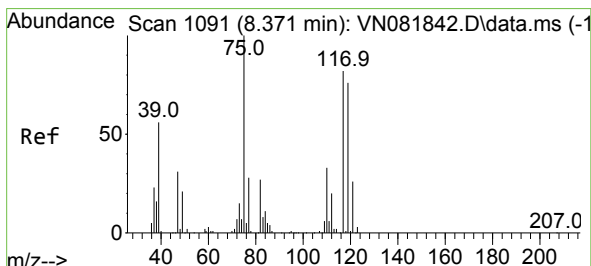
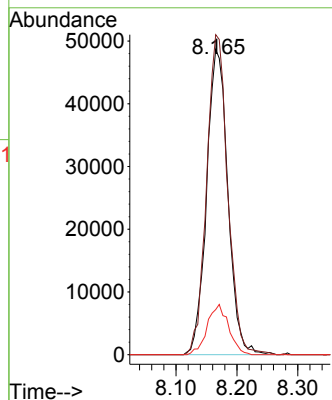
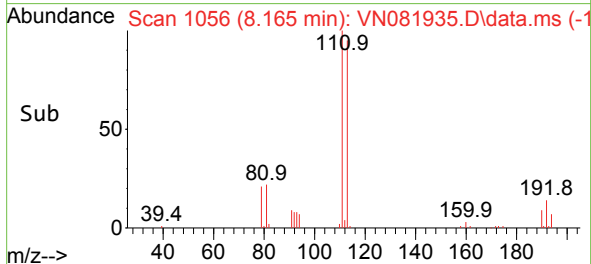


#35
Dibromofluoromethane
Concen: 47.578 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN081935.D
Acq: 30 Apr 2024 16:53

Instrument :
MSVOA_N
ClientSampleId :

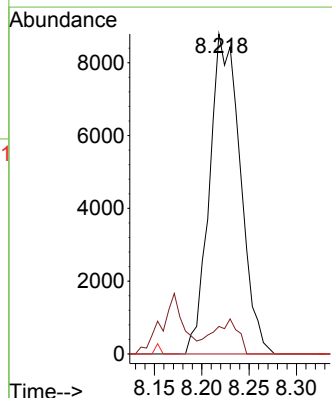
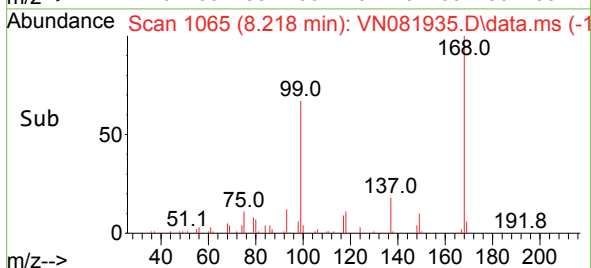
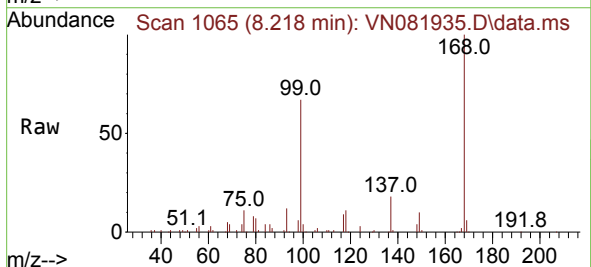


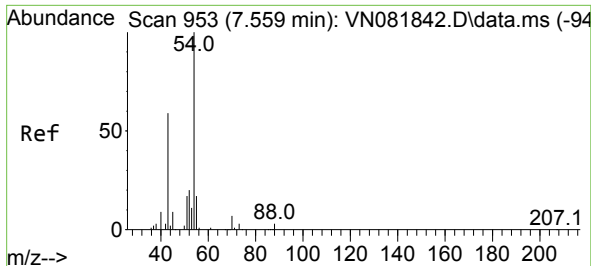
Tgt Ion:113 Resp: 118204
Ion Ratio Lower Upper
113 100
111 104.0 83.4 125.2
192 16.5 14.0 21.0



#36
1,1-Dichloropropene
Concen: 4.920 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN081935.D
Acq: 30 Apr 2024 16:53

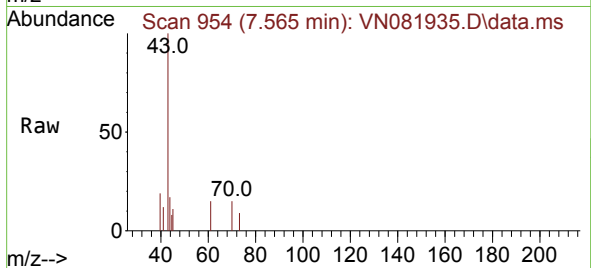
Tgt Ion: 75 Resp: 19888
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.0 25.0 37.4#



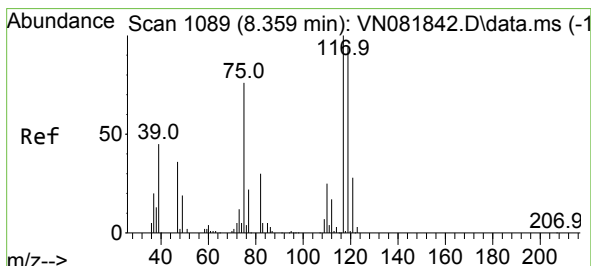
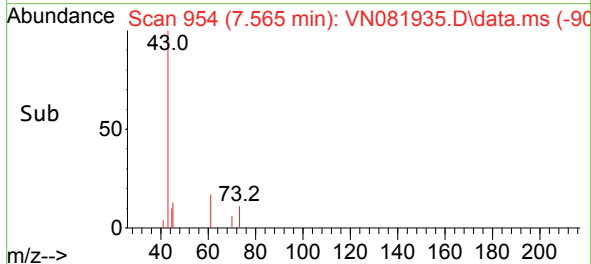
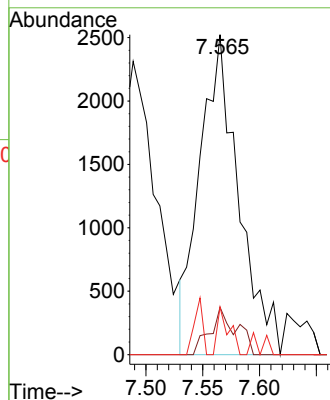


#37
Ethyl Acetate
Concen: 1.365 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN081935.D
Acq: 30 Apr 2024 16:53

Instrument :
MSVOA_N
ClientSampleId :

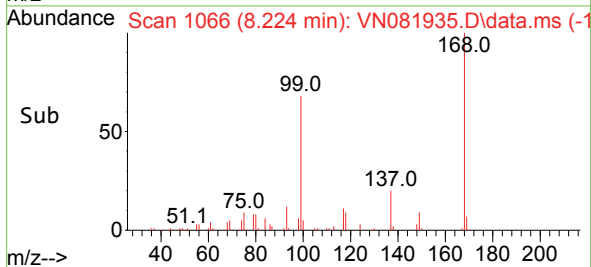
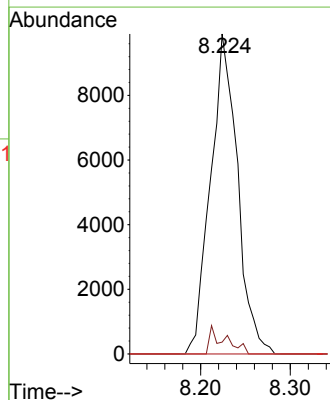
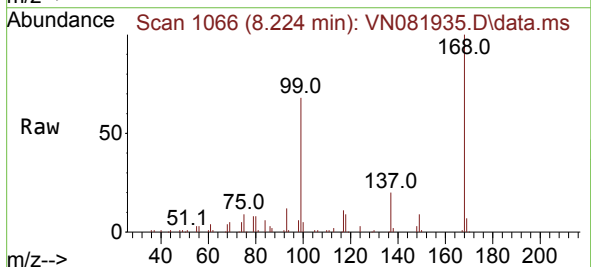


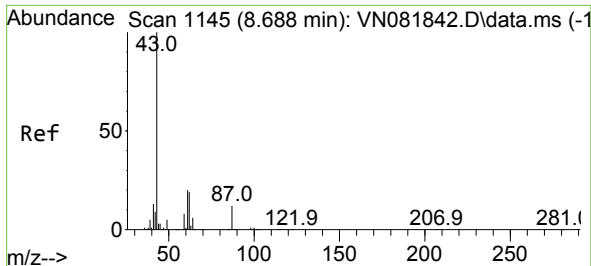
Tgt Ion: 43 Resp: 5966
Ion Ratio Lower Upper
43 100
61 10.0 11.3 16.9#
70 4.5 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.220 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN081935.D
Acq: 30 Apr 2024 16:53

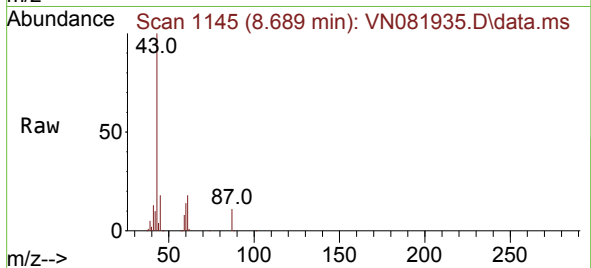
Tgt Ion: 117 Resp: 20622
Ion Ratio Lower Upper
117 100
119 3.7 76.5 114.7#
121 0.0 23.9 35.9#



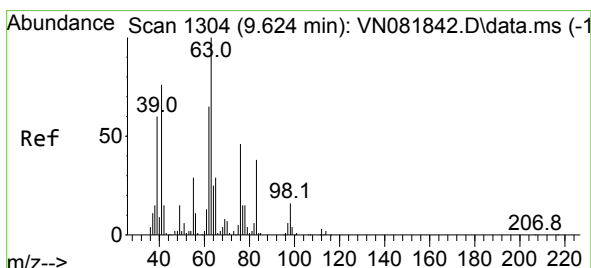
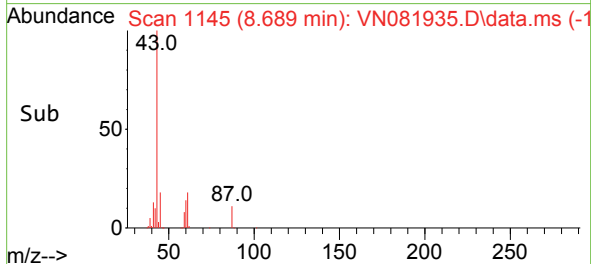
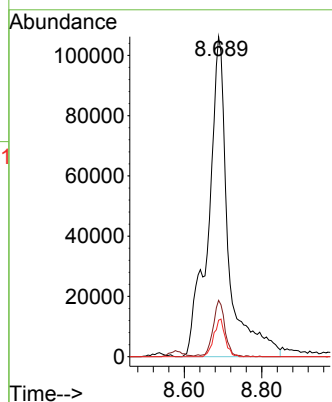


#43
Isopropyl Acetate
Concen: 46.124 ug/l
RT: 8.689 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081935.D
Acq: 30 Apr 2024 16:53

Instrument :
MSVOA_N
ClientSampleId :

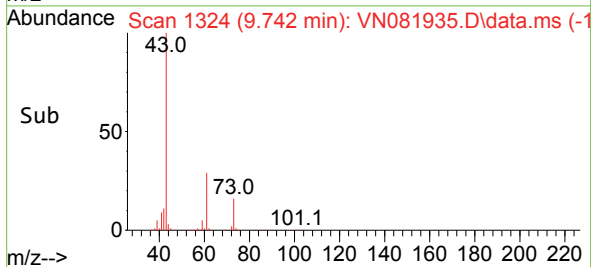
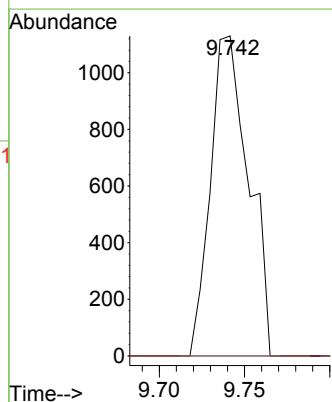
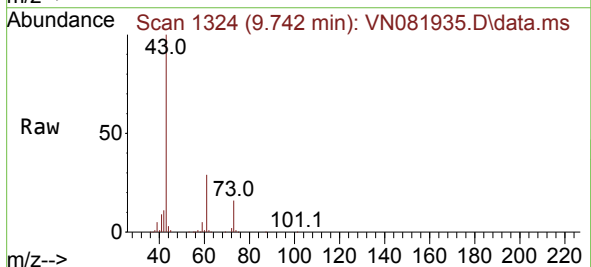


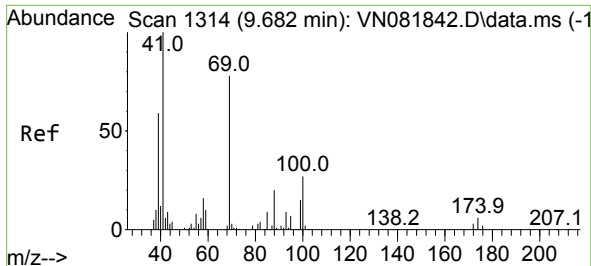
Tgt Ion: 43 Resp: 379007
Ion Ratio Lower Upper
43 100
61 10.5 22.8 34.2#
87 6.7 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.556 ug/l
RT: 9.742 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN081935.D
Acq: 30 Apr 2024 16:53

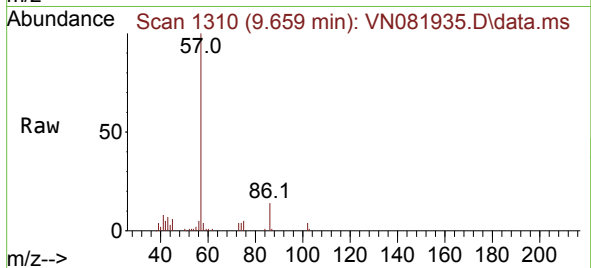
Tgt Ion: 63 Resp: 1766
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#



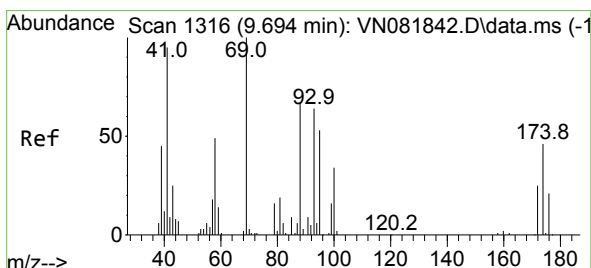
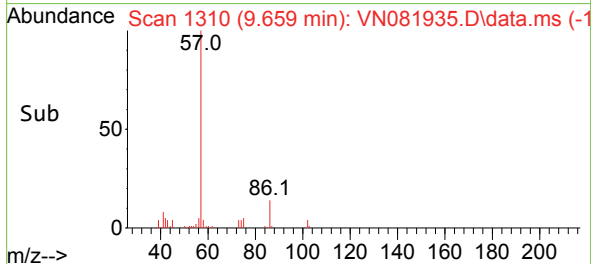
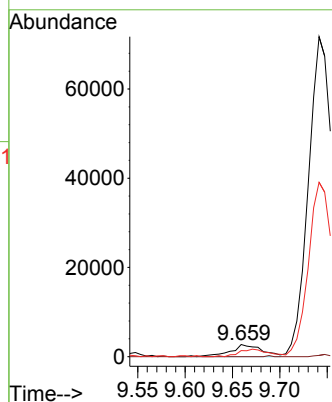


#48
Methyl methacrylate
Concen: 1.601 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN081935.D
Acq: 30 Apr 2024 16:53

Instrument :
MSVOA_N
ClientSampleId :

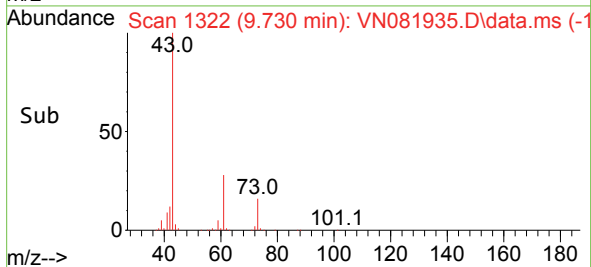
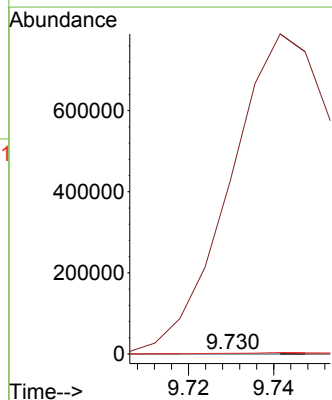
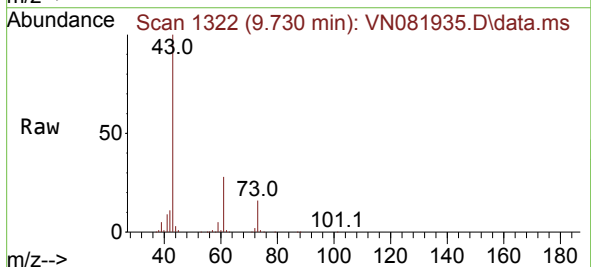


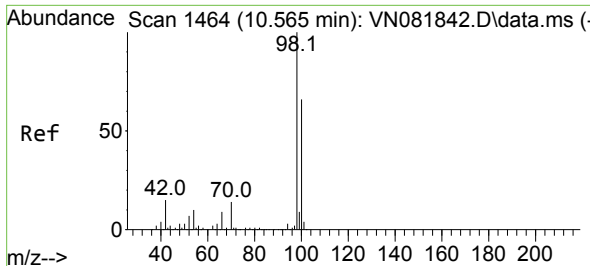
Tgt Ion: 41 Resp: 6280
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 59.4 50.9 76.3



#49
1,4-Dioxane
Concen: 1.157 ug/l
RT: 9.730 min Scan# 1322
Delta R.T. 0.036 min
Lab File: VN081935.D
Acq: 30 Apr 2024 16:53

Tgt Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 2100479.7 19.0 28.6#
58 8266.7 50.6 76.0#

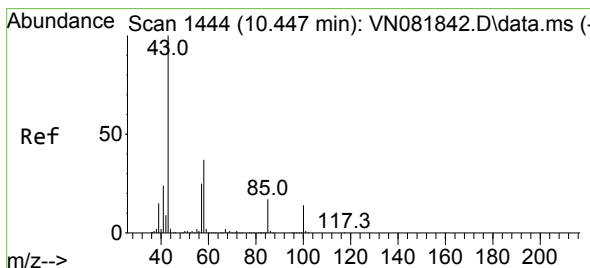
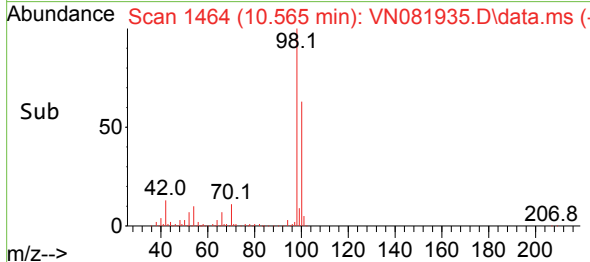
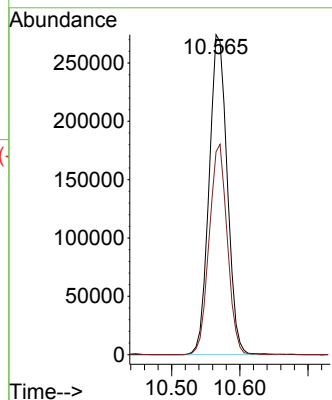
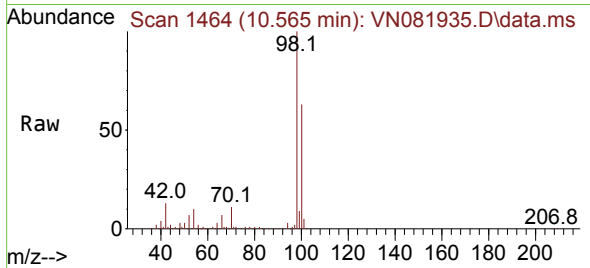




#50
Toluene-d8
Concen: 51.960 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN081935.D
Acq: 30 Apr 2024 16:53

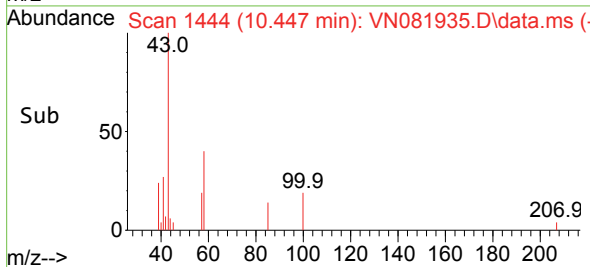
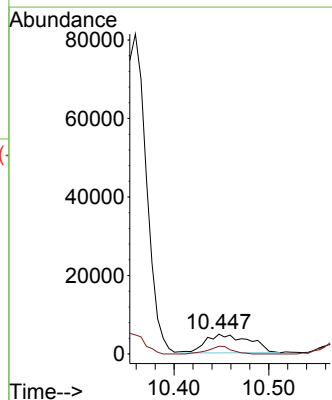
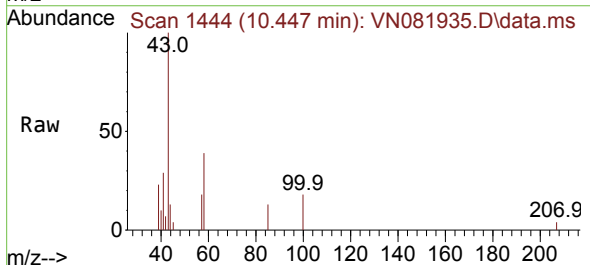
Instrument :
MSVOA_N
ClientSampleId :

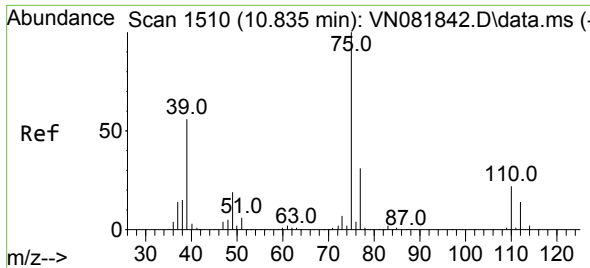
Tgt Ion: 98 Resp: 506996
Ion Ratio Lower Upper
98 100
100 65.7 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 3.295 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081935.D
Acq: 30 Apr 2024 16:53

Tgt Ion: 43 Resp: 15241
Ion Ratio Lower Upper
43 100
58 22.1 33.2 49.8#

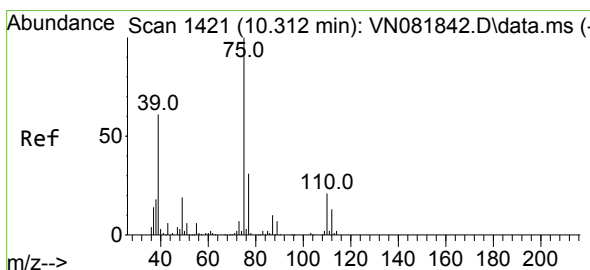
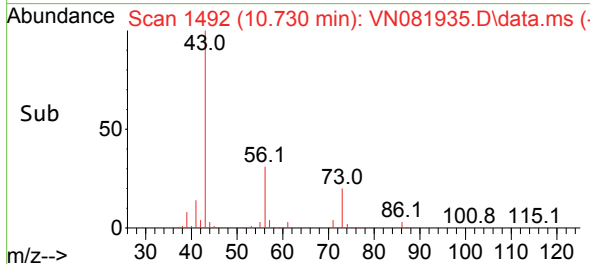
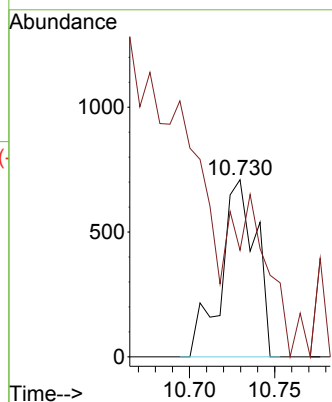
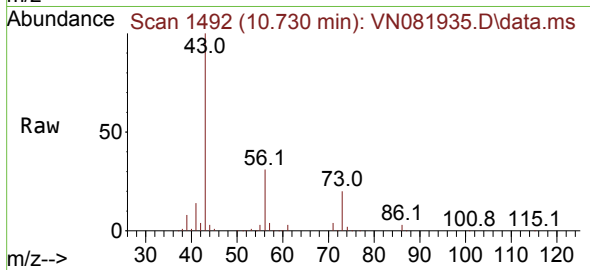




#53
 t-1,3-Dichloropropene
 Concen: 0.201 ug/l
 RT: 10.730 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN081935.D
 Acq: 30 Apr 2024 16:53

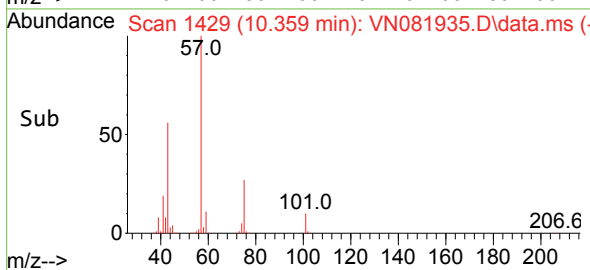
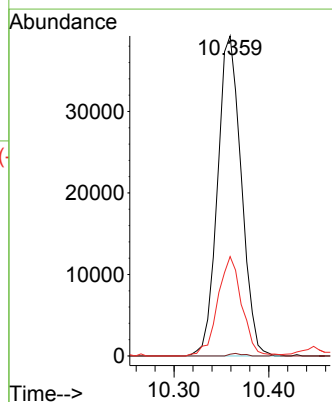
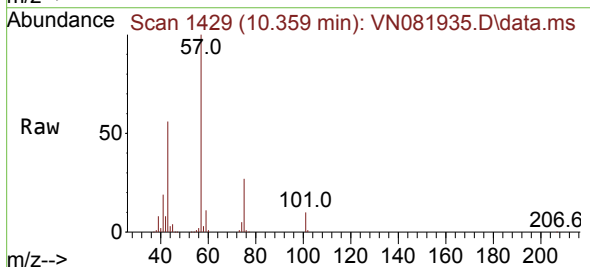
Instrument :
 MSVOA_N
 ClientSampleId :

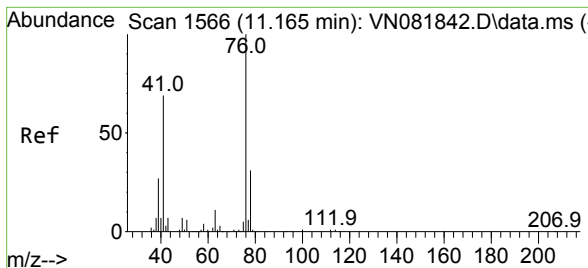
Tgt Ion: 75 Resp: 1010
 Ion Ratio Lower Upper
 75 100
 77 18.5 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 13.159 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN081935.D
 Acq: 30 Apr 2024 16:53

Tgt Ion: 75 Resp: 68307
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 31.0 34.8 52.2#





#57

1,3-Dichloropropane

Concen: 1.529 ug/l

RT: 11.200 min Scan# 1

Delta R.T. 0.036 min

Lab File: VN081935.D

Acq: 30 Apr 2024 16:53

Instrument :

MSVOA_N

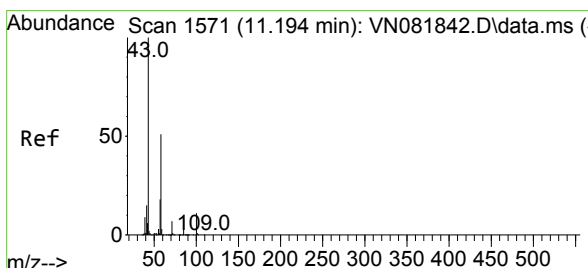
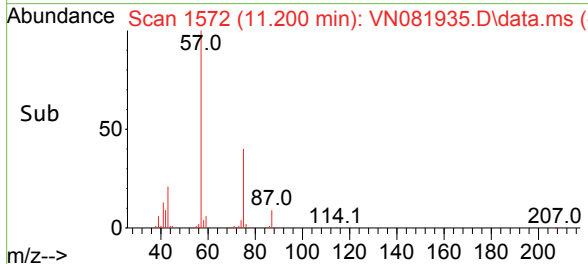
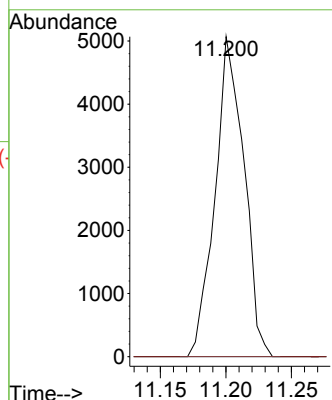
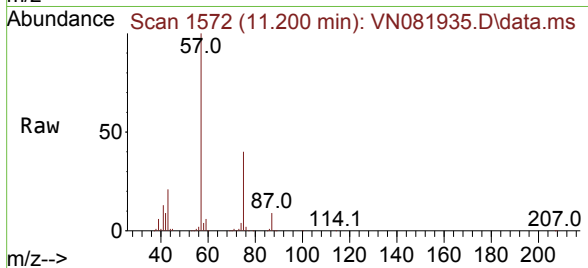
ClientSampleId :

Tgt Ion: 76 Resp: 7768

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 47.851 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN081935.D

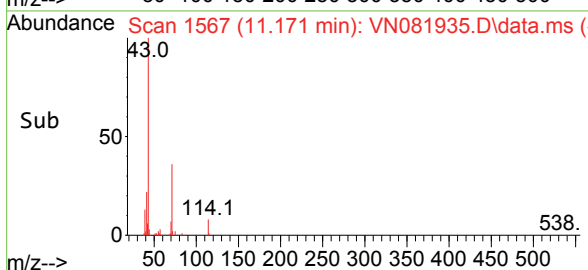
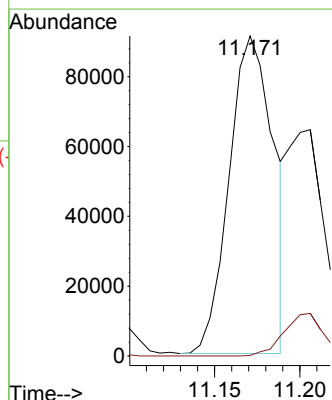
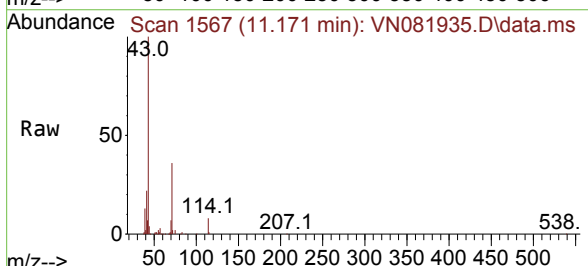
Acq: 30 Apr 2024 16:53

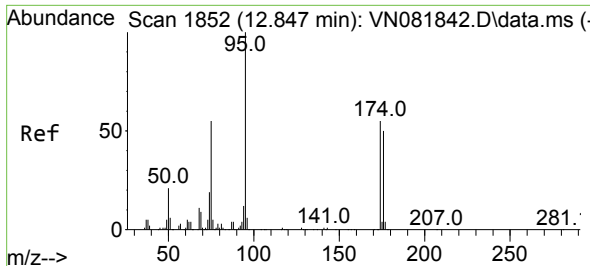
Tgt Ion: 43 Resp: 164728

Ion Ratio Lower Upper

43 100

58 0.0 28.3 84.9#

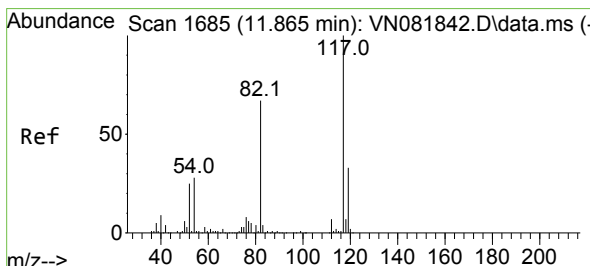
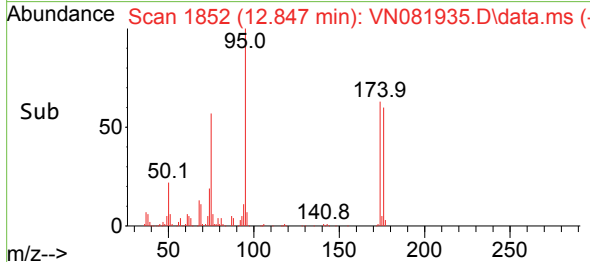
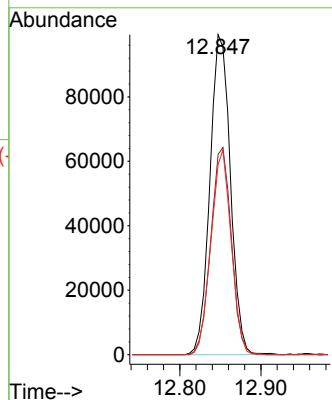
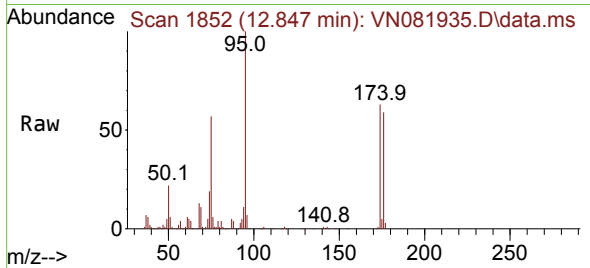




#62
4-Bromofluorobenzene
Concen: 45.127 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081935.D
Acq: 30 Apr 2024 16:53

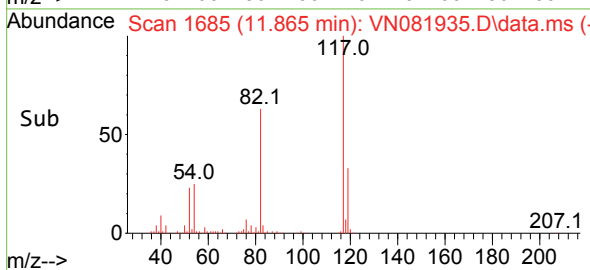
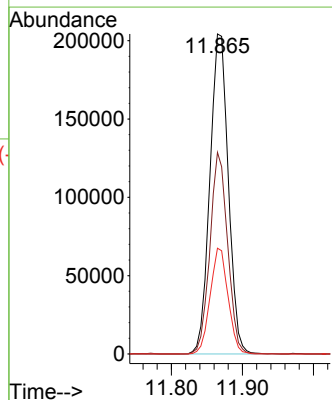
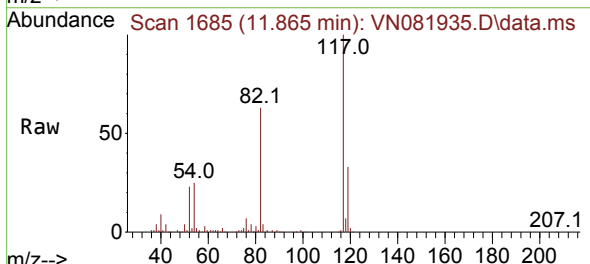
Instrument :
MSVOA_N
ClientSampleId :

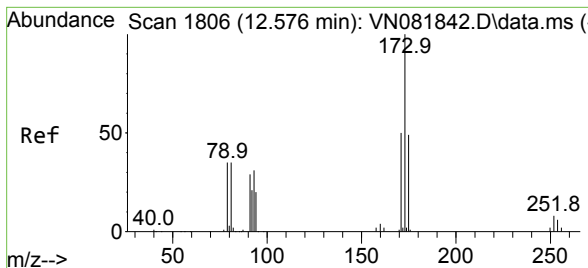
Tgt Ion: 95 Resp: 174062
Ion Ratio Lower Upper
95 100
174 65.1 0.0 160.6
176 62.8 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081935.D
Acq: 30 Apr 2024 16:53

Tgt Ion: 117 Resp: 367576
Ion Ratio Lower Upper
117 100
82 63.0 44.6 66.8
119 33.1 25.9 38.9





#71

Bromoform

Concen: 0.333 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN081935.D

Acq: 30 Apr 2024 16:53

Instrument :

MSVOA_N

ClientSampleId :

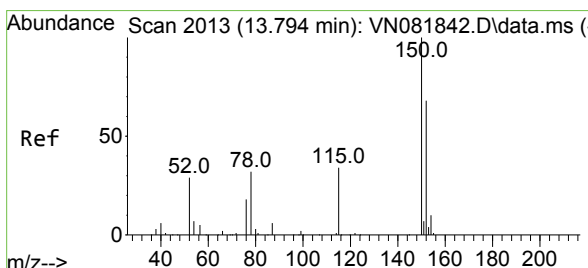
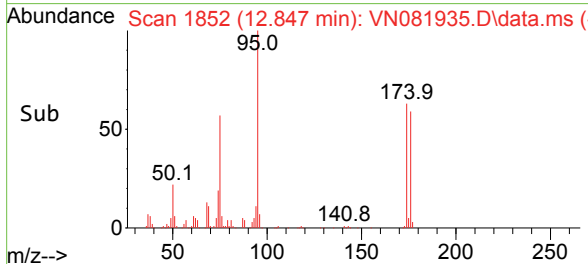
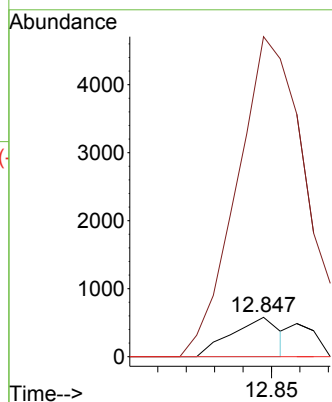
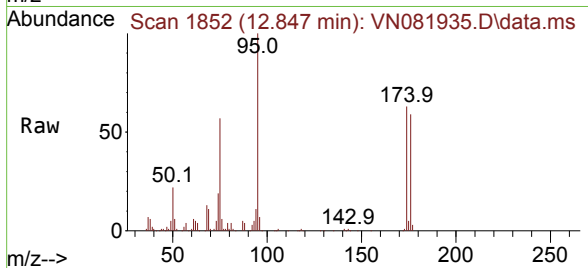
Tgt Ion:173 Resp: 683

Ion Ratio Lower Upper

173 100

175 808.6 24.6 74.0#

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: VN081935.D

Acq: 30 Apr 2024 16:53

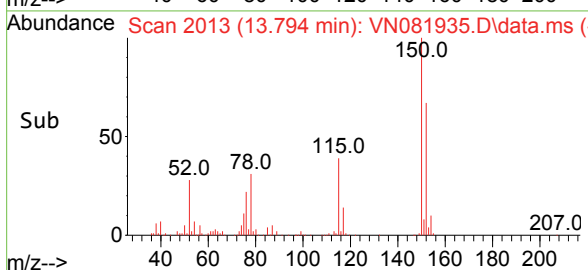
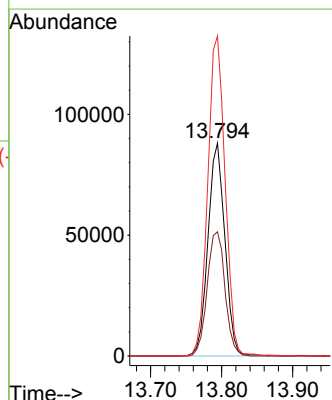
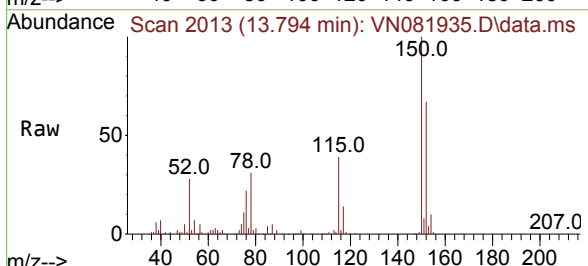
Tgt Ion:152 Resp: 146086

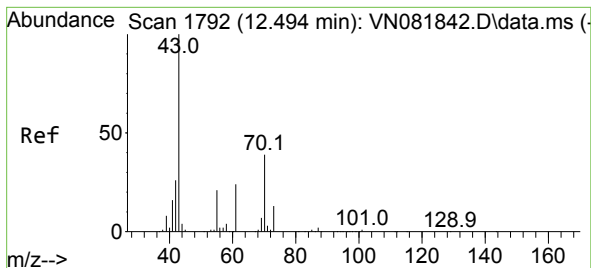
Ion Ratio Lower Upper

152 100

115 61.4 30.4 91.3

150 153.6 0.0 353.2





#74

N-amy1 acetate

Concen: 0.202 ug/l

RT: 12.483 min Scan# 1

Delta R.T. -0.011 min

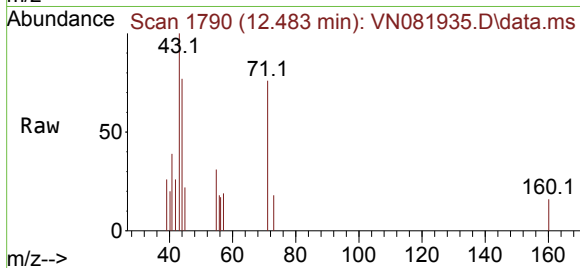
Lab File: VN081935.D

Acq: 30 Apr 2024 16:53

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1462

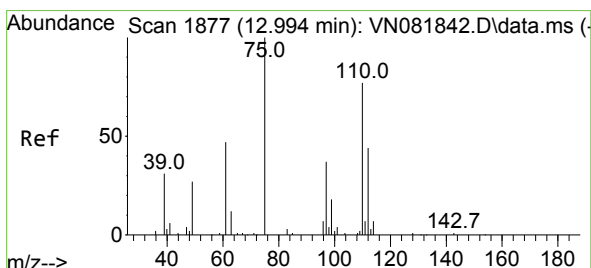
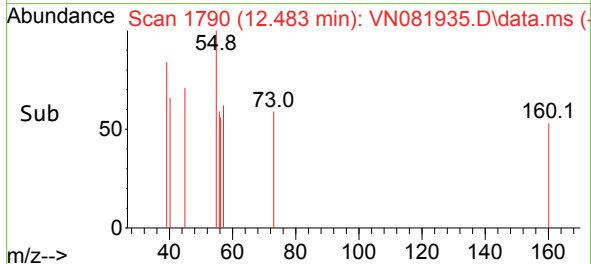
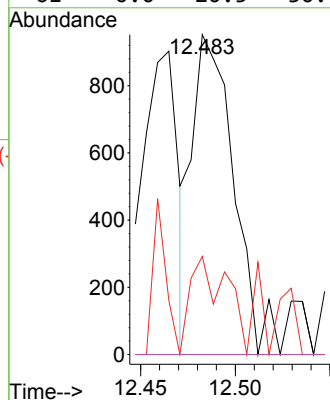
Ion Ratio Lower Upper

43 100

70 0.0 39.0 58.4#

55 26.8 21.3 31.9

61 0.0 20.5 30.7#



#76

1,2,3-Trichloropropane

Concen: 25.199 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081935.D

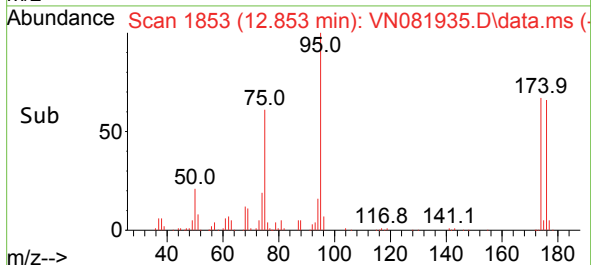
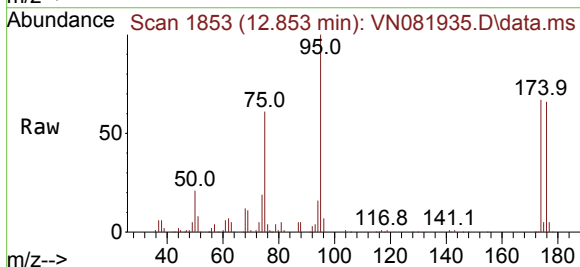
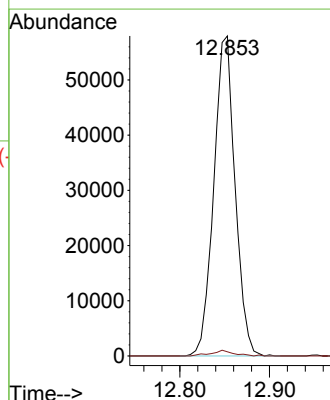
Acq: 30 Apr 2024 16:53

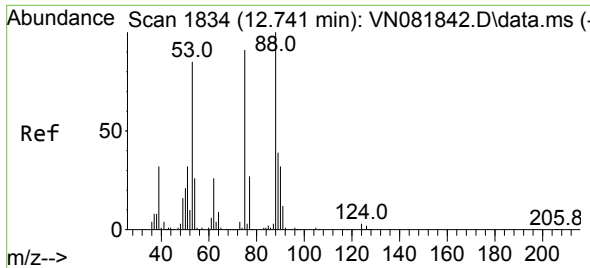
Tgt Ion: 75 Resp: 95446

Ion Ratio Lower Upper

75 100

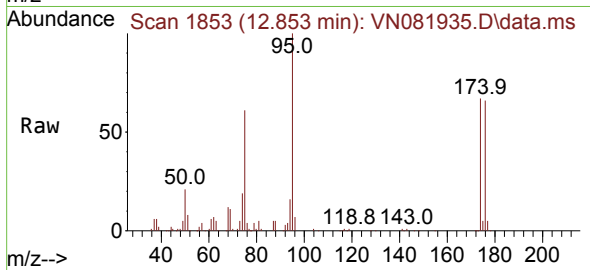
77 1.9 90.5 271.3#



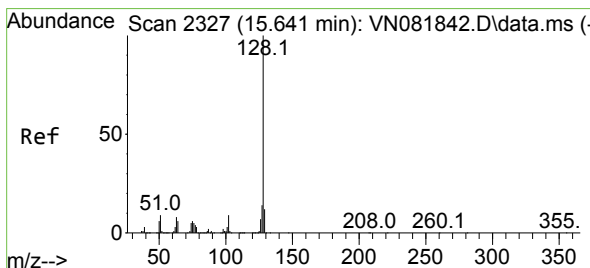
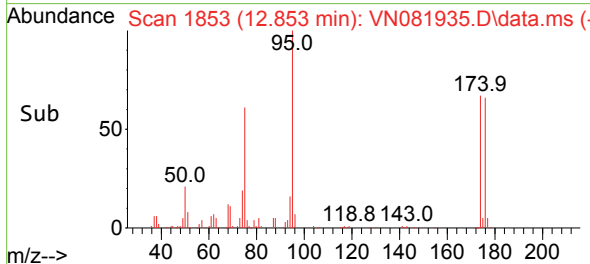
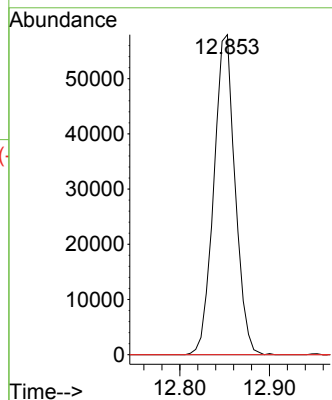


#81
trans-1,4-Dichloro-2-butene
Concen: 51.636 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081935.D
Acq: 30 Apr 2024 16:53

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 95446
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#



#95
Naphthalene
Concen: 0.238 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN081935.D
Acq: 30 Apr 2024 16:53

Tgt Ion: 128 Resp: 2447
Ion Ratio Lower Upper
128 100
127 10.7 10.1 15.1
129 7.6 8.9 13.3#

