

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
 Data File : VN078057.D
 Acq On : 05 Jun 2023 20:21
 Operator : JC\MD
 Sample : 03018-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RT-4648

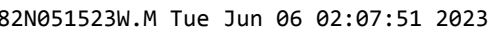
Quant Time: Jun 06 02:07:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

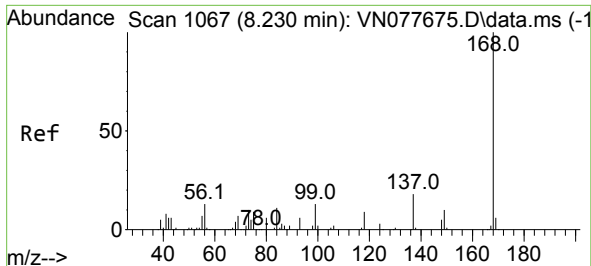
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	372879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	697770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	635412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	197907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	257305	46.118	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.240%
35) Dibromofluoromethane	8.171	113	227075	49.906	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.820%
50) Toluene-d8	10.577	98	881837	50.352	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.700%
62) 4-Bromofluorobenzene	12.853	95	276422	44.689	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.380%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1166	Below Cal		97
11) Tert butyl alcohol	5.542	59	201	0.261 ug/l	#	72
13) Acrolein	4.177	56	123	Below Cal	#	16
16) Acetone	4.448	43	20965	11.944 ug/l		94
18) Methyl Acetate	5.053	43	6364	0.864 ug/l	#	83
20) Methylene Chloride	5.289	84	15501	1.475 ug/l	#	82
25) 2-Butanone	7.500	43	1957	0.713 ug/l	#	64
29) Tetrahydrofuran	7.865	42	1205	0.670 ug/l	#	34
31) Cyclohexane	8.230	56	9288	1.225 ug/l	#	35
36) 1,1-Dichloropropene	8.236	75	32537	4.889 ug/l	#	49
37) Ethyl Acetate	7.571	43	50287	8.477 ug/l		97
38) Carbon Tetrachloride	8.230	117	41178	6.127 ug/l	#	16
41) Methacrylonitrile	7.865	41	670	0.212 ug/l	#	28
43) Isopropyl Acetate	8.694	43	279382	28.835 ug/l	#	79
48) Methyl methacrylate	9.677	41	4945	1.076 ug/l	#	33
49) 1,4-Dioxane	9.753	88	157	1.810 ug/l	#	1
51) 4-Methyl-2-Pentanone	10.459	43	12924	2.244 ug/l	#	72
54) cis-1,3-Dichloropropene	10.365	75	73757	9.210 ug/l	#	67
56) Ethyl methacrylate	10.982	69	1909	0.260 ug/l	#	1
57) 1,3-Dichloropropane	11.206	76	4863	0.584 ug/l	#	42
59) 2-Hexanone	11.177	43	206120	48.386 ug/l	#	19
76) 1,2,3-Trichloropropane	12.853	75	146836	29.626 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	146836	94.700 ug/l	#	15

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

Quant Time: Jun 06 02:07:41 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration

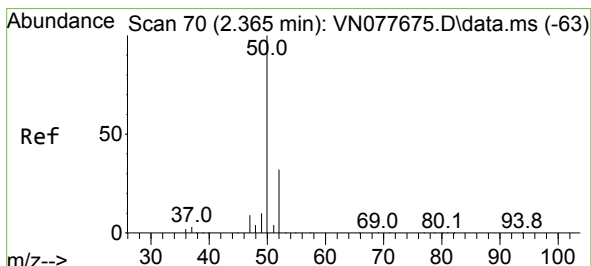
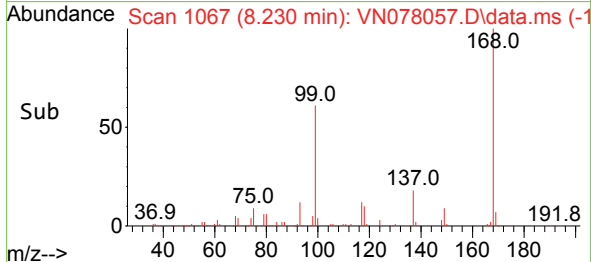
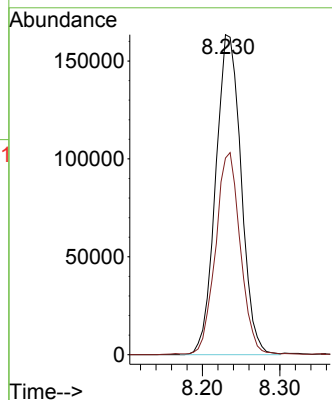
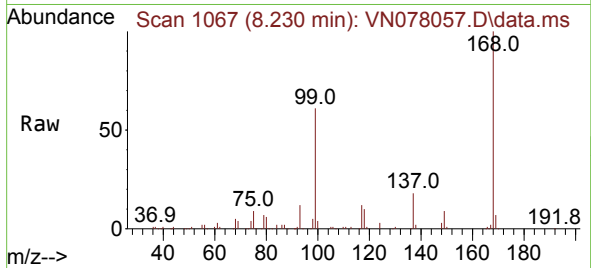




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN078057.D
Acq: 05 Jun 2023 20:21

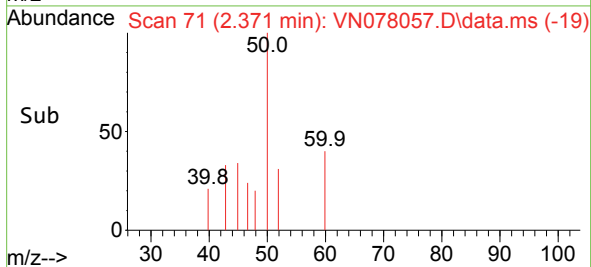
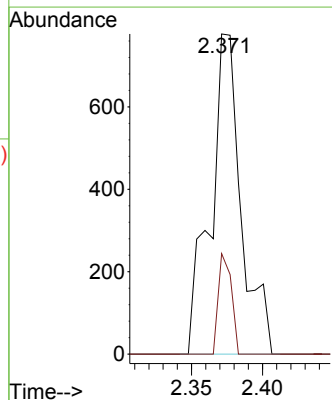
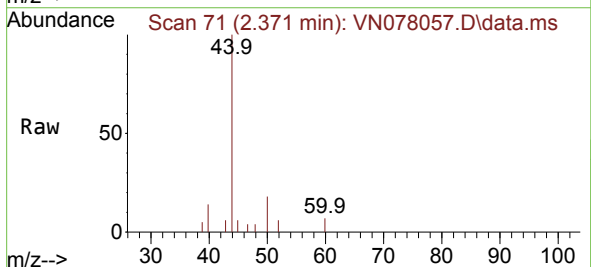
Instrument :
MSVOA_N
ClientSampleId :
RT-4648

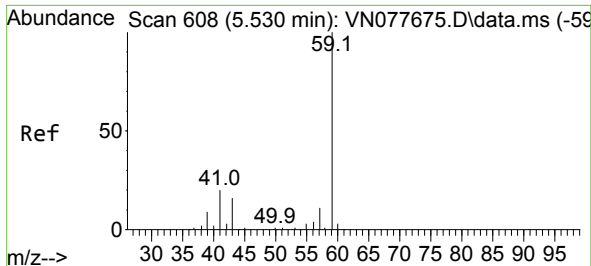
Tgt Ion:168 Resp: 372879
Ion Ratio Lower Upper
168 100
99 61.2 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN078057.D
Acq: 05 Jun 2023 20:21

Tgt Ion: 50 Resp: 1166
Ion Ratio Lower Upper
50 100
52 31.4 26.5 39.7

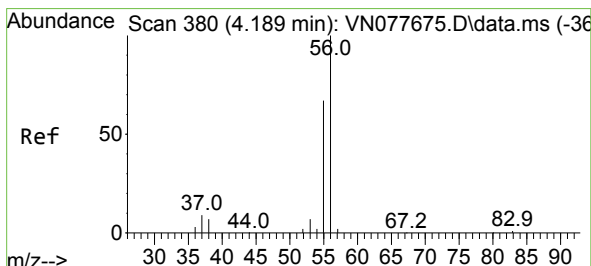
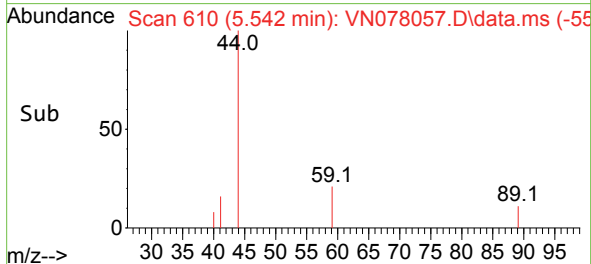
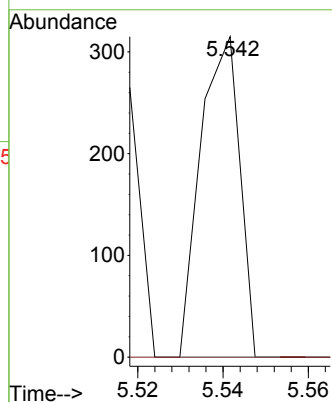
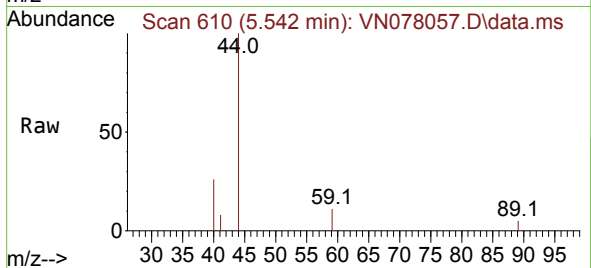




#11
Tert butyl alcohol
Concen: 0.261 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN078057.D
Acq: 05 Jun 2023 20:21

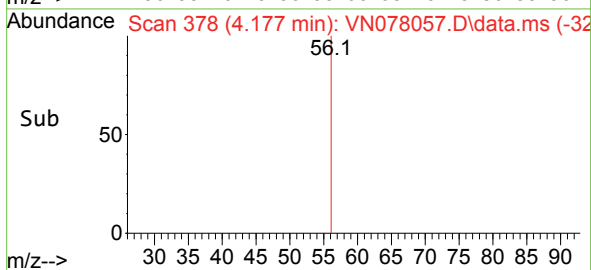
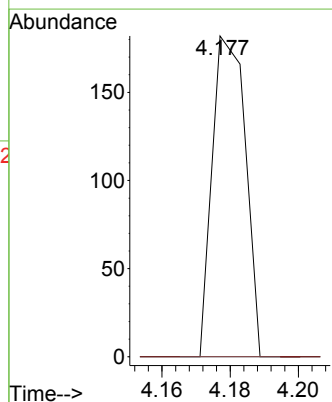
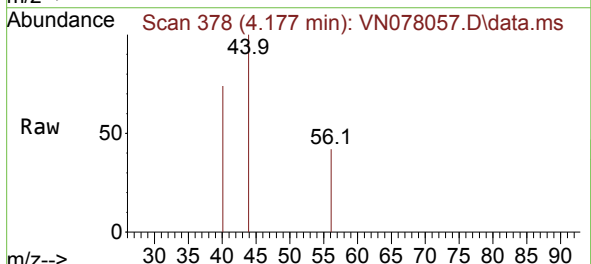
Instrument :
MSVOA_N
ClientSampleId :
RT-4648

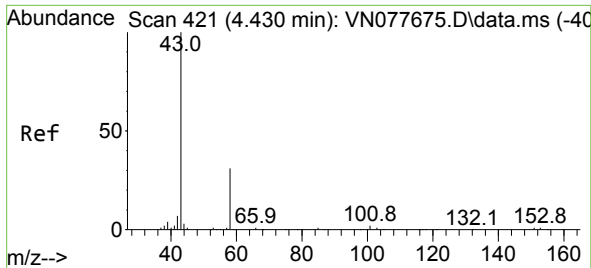
Tgt Ion: 59 Resp: 201
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 4.177 min Scan# 378
Delta R.T. -0.012 min
Lab File: VN078057.D
Acq: 05 Jun 2023 20:21

Tgt Ion: 56 Resp: 123
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

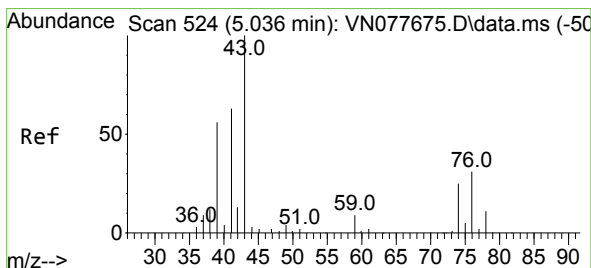
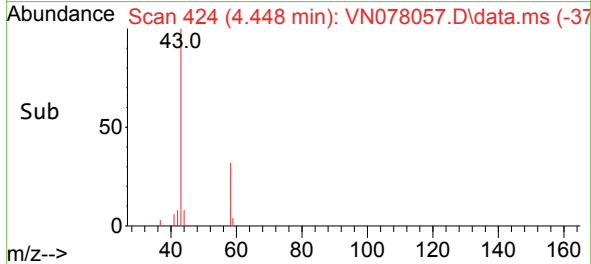
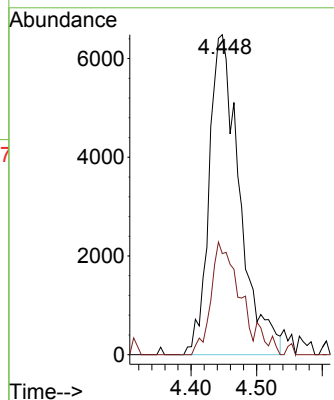
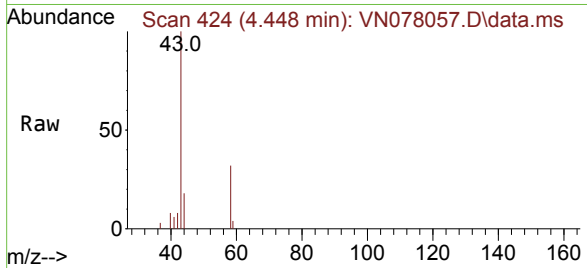




#16
Acetone
Concen: 11.944 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN078057.D
Acq: 05 Jun 2023 20:21

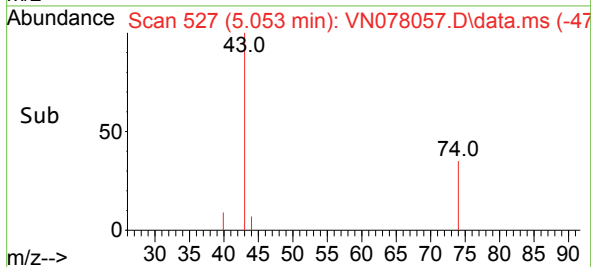
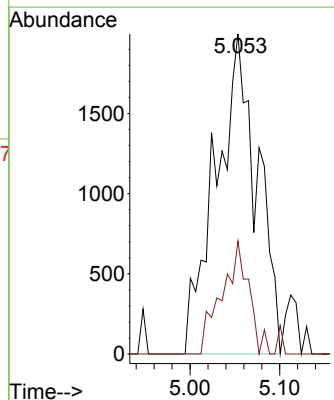
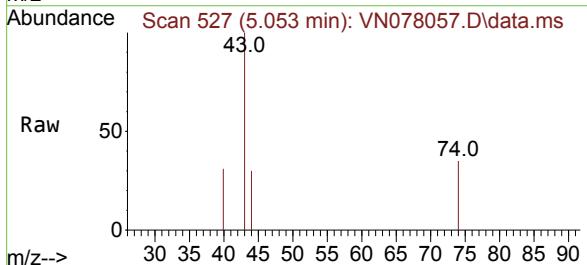
Instrument :
MSVOA_N
ClientSampleId :
RT-4648

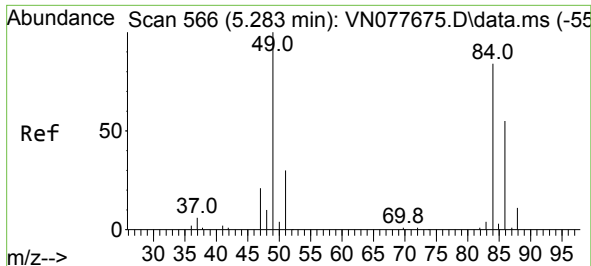
Tgt Ion: 43 Resp: 20965
Ion Ratio Lower Upper
43 100
58 31.6 28.0 42.0



#18
Methyl Acetate
Concen: 0.864 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.017 min
Lab File: VN078057.D
Acq: 05 Jun 2023 20:21

Tgt Ion: 43 Resp: 6364
Ion Ratio Lower Upper
43 100
74 23.1 26.2 39.4#

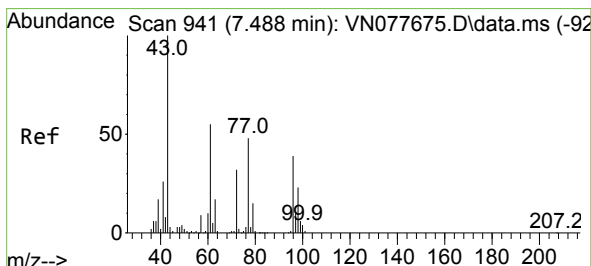
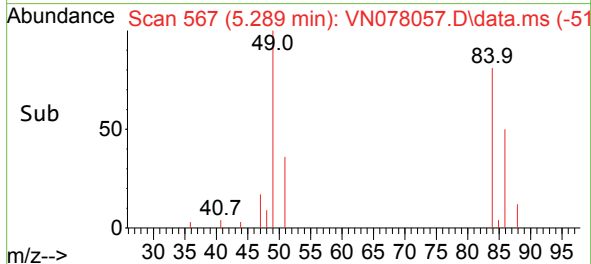
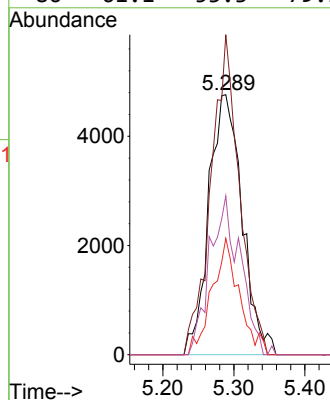
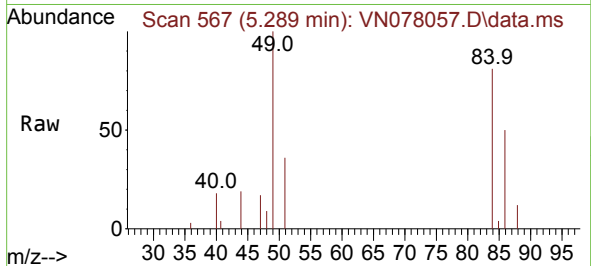




#20
Methylene Chloride
Concen: 1.475 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078057.D
Acq: 05 Jun 2023 20:21

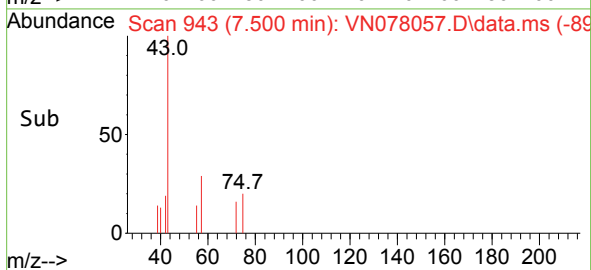
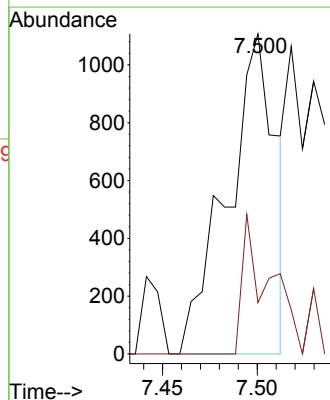
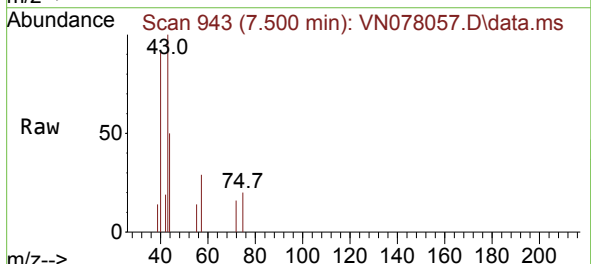
Instrument :
MSVOA_N
ClientSampleId :
RT-4648

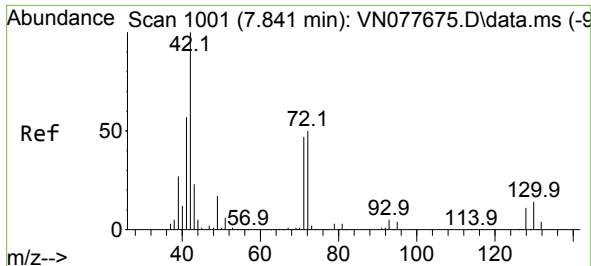
Tgt Ion: 84	Resp: 15501
Ion Ratio	Lower Upper
84 100	
49 123.1	79.7 119.5#
51 44.7	25.2 37.8#
86 61.1	53.3 79.9



#25
2-Butanone
Concen: 0.713 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN078057.D
Acq: 05 Jun 2023 20:21

Tgt Ion: 43	Resp: 1957
Ion Ratio	Lower Upper
43 100	
72 16.1	30.2 45.2#





#29

Tetrahydrofuran

Concen: 0.670 ug/l

RT: 7.865 min Scan# 1005

Delta R.T. 0.024 min

Lab File: VN078057.D

Acq: 05 Jun 2023 20:21

Instrument :

MSVOA_N

ClientSampleId :

RT-4648

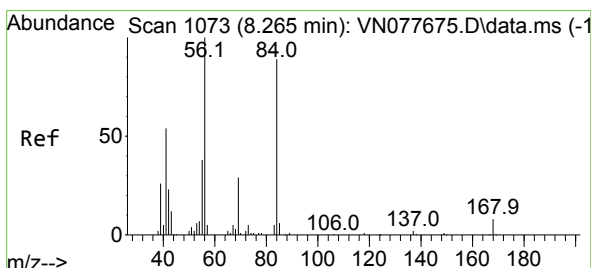
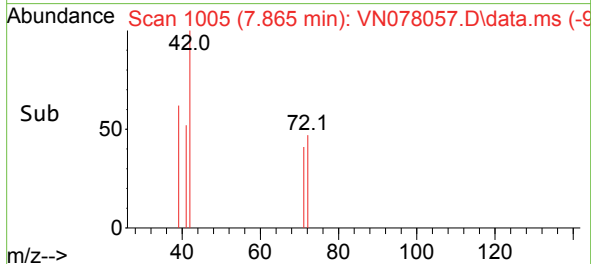
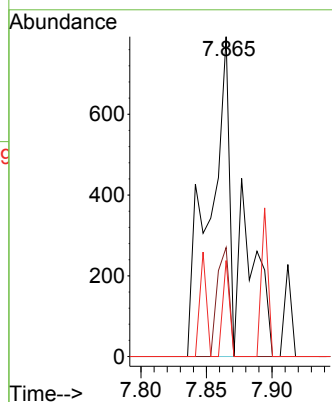
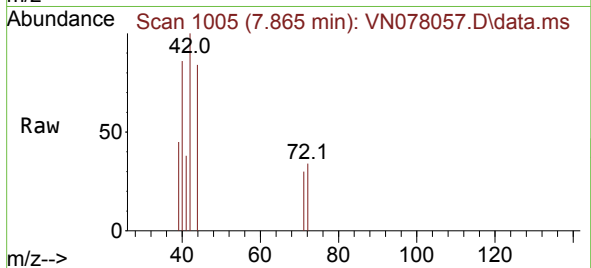
Tgt Ion: 42 Resp: 1205

Ion Ratio Lower Upper

42 100

72 14.1 49.8 74.6#

71 7.0 47.4 71.2#



#31

Cyclohexane

Concen: 1.225 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN078057.D

Acq: 05 Jun 2023 20:21

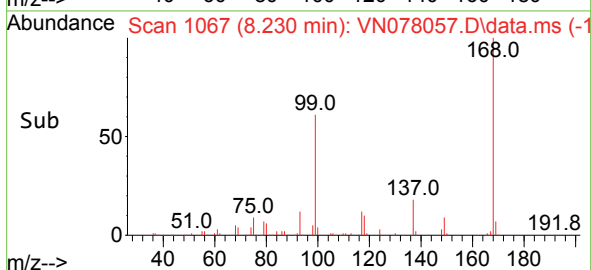
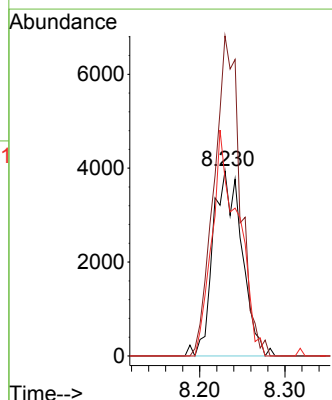
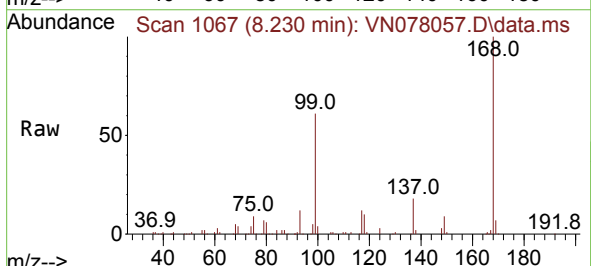
Tgt Ion: 56 Resp: 9288

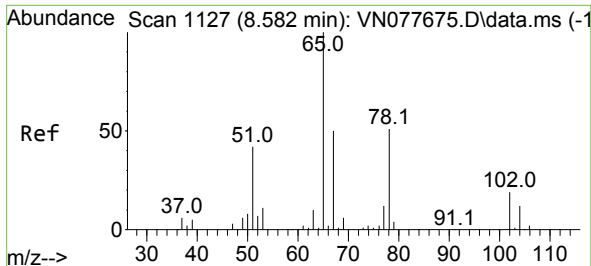
Ion Ratio Lower Upper

56 100

69 172.8 26.8 40.2#

84 95.7 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 46.118 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078057.D

Acq: 05 Jun 2023 20:21

Instrument :

MSVOA_N

ClientSampleId :

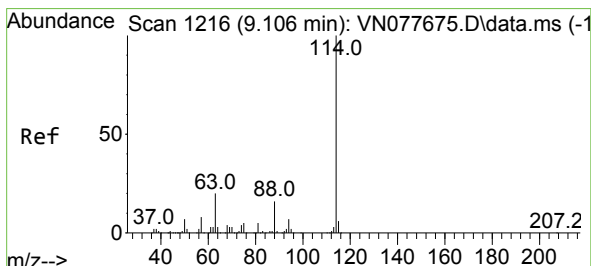
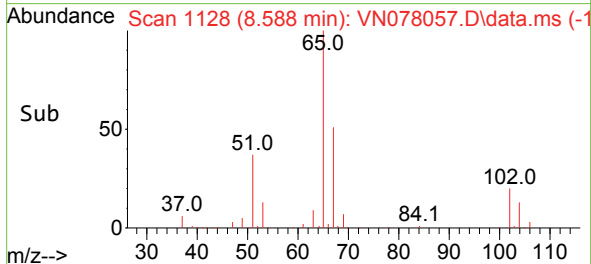
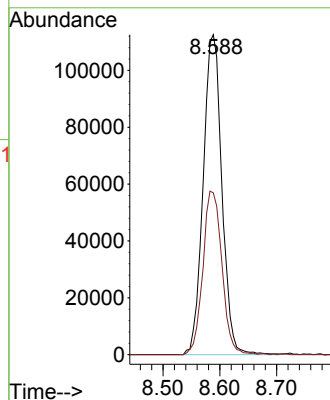
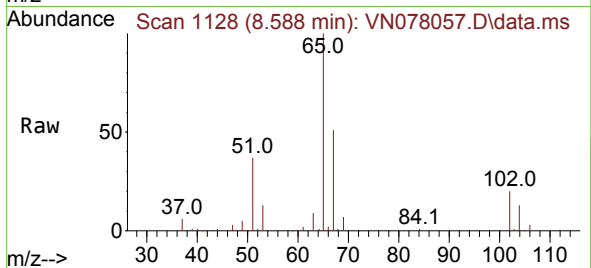
RT-4648

Tgt Ion: 65 Resp: 257305

Ion Ratio Lower Upper

65 100

67 52.0 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN078057.D

Acq: 05 Jun 2023 20:21

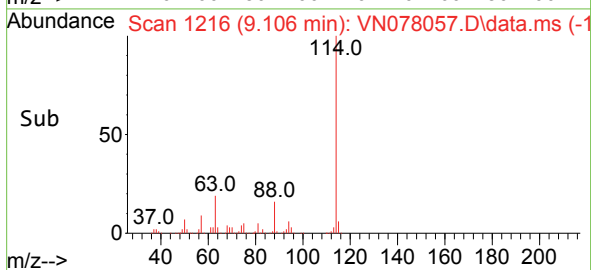
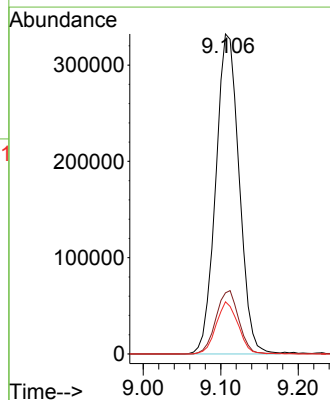
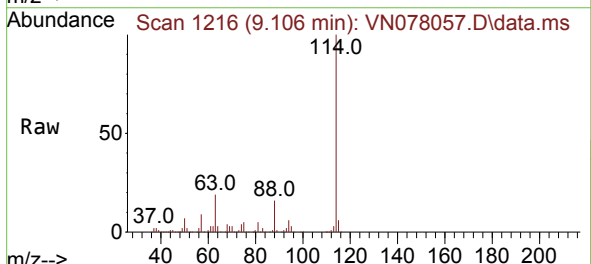
Tgt Ion: 114 Resp: 697770

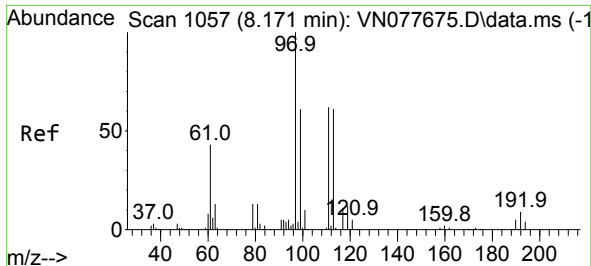
Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.4

88 16.3 0.0 30.6

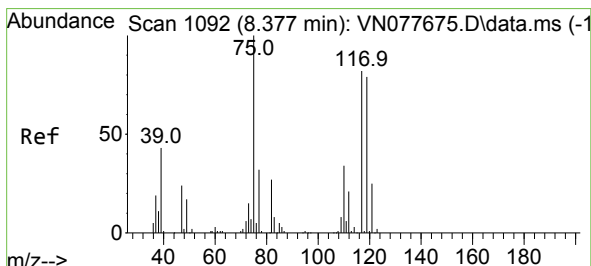
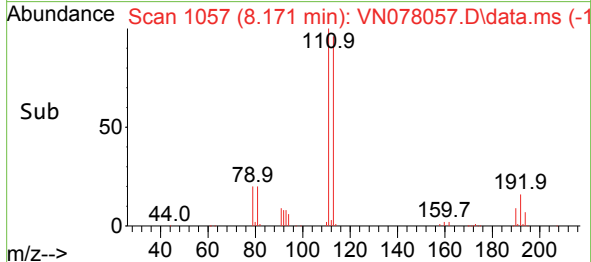
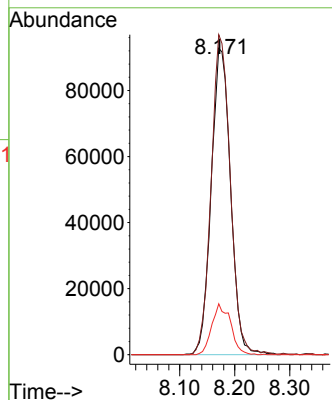
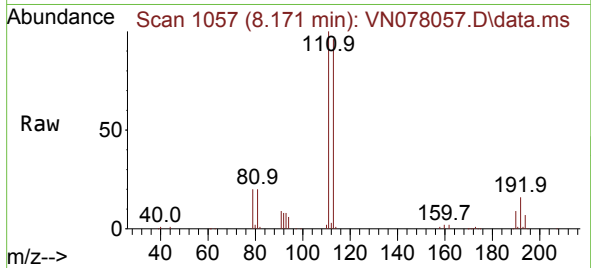




#35
Dibromofluoromethane
Concen: 49.906 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN078057.D
Acq: 05 Jun 2023 20:21

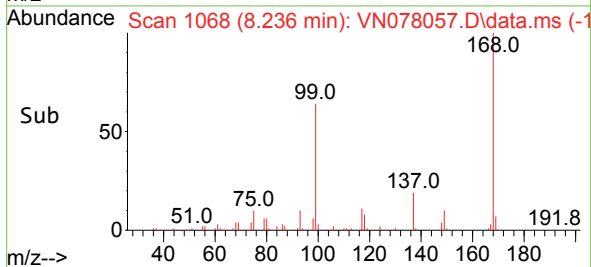
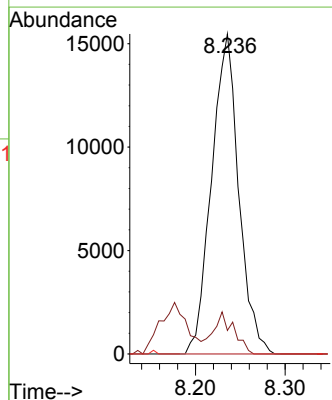
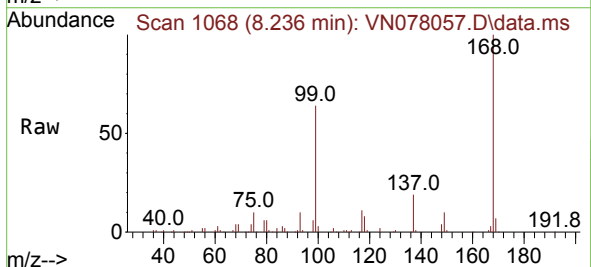
Instrument :
MSVOA_N
ClientSampleId :
RT-4648

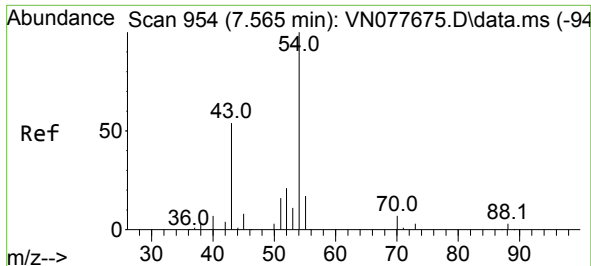
Tgt Ion:113 Resp: 227075
Ion Ratio Lower Upper
113 100
111 103.2 82.6 123.8
192 16.1 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.889 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078057.D
Acq: 05 Jun 2023 20:21

Tgt Ion: 75 Resp: 32537
Ion Ratio Lower Upper
75 100
110 10.1 19.1 57.3#
77 0.0 25.0 37.4#

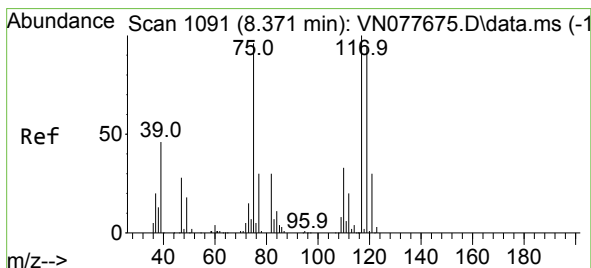
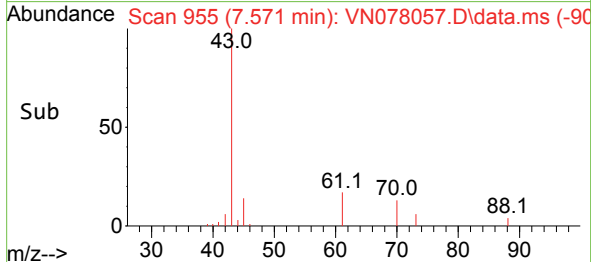
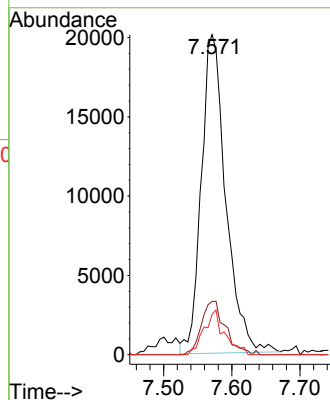
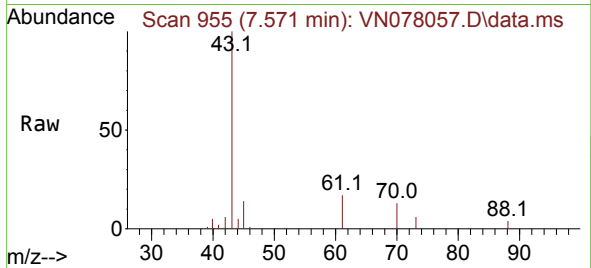




#37
Ethyl Acetate
Concen: 8.477 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN078057.D
Acq: 05 Jun 2023 20:21

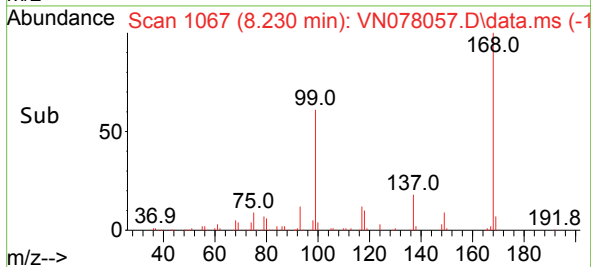
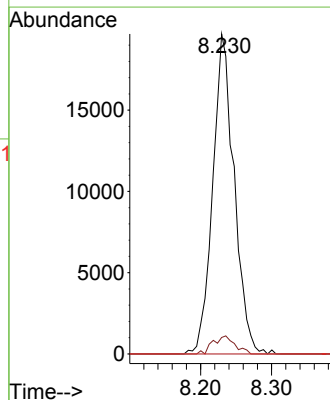
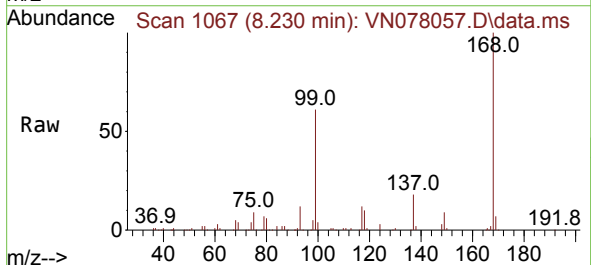
Instrument :
MSVOA_N
ClientSampleId :
RT-4648

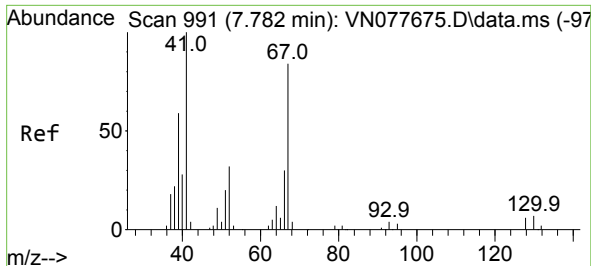
Tgt Ion: 43	Resp:	50287
Ion	Ratio	Lower Upper
43	100	
61	16.4	13.2 19.8
70	11.7	11.3 16.9



#38
Carbon Tetrachloride
Concen: 6.127 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN078057.D
Acq: 05 Jun 2023 20:21

Tgt Ion: 117	Resp:	41178
Ion	Ratio	Lower Upper
117	100	
119	5.2	77.3 115.9#
121	0.0	23.3 34.9#

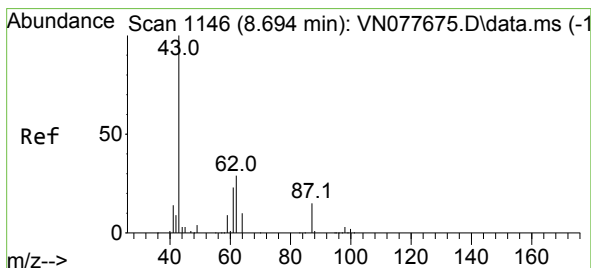
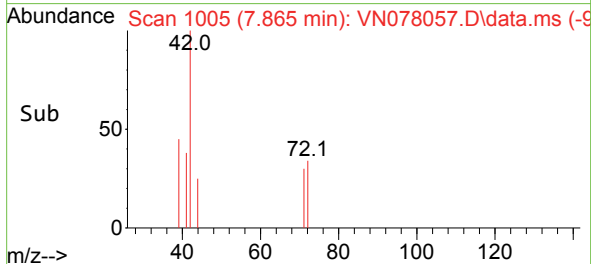
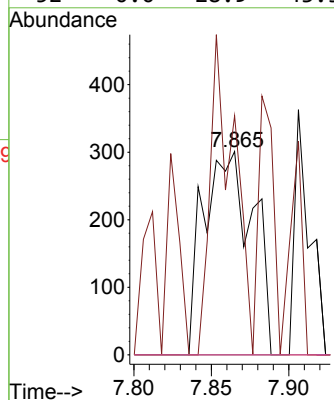
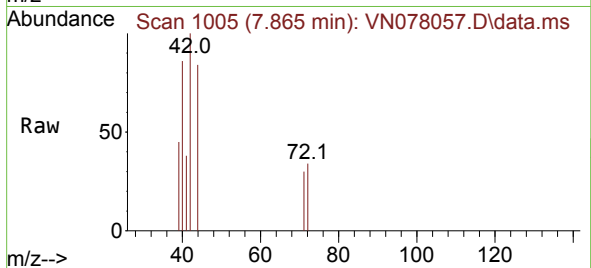




#41
Methacrylonitrile
Concen: 0.212 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.083 min
Lab File: VN078057.D
Acq: 05 Jun 2023 20:21

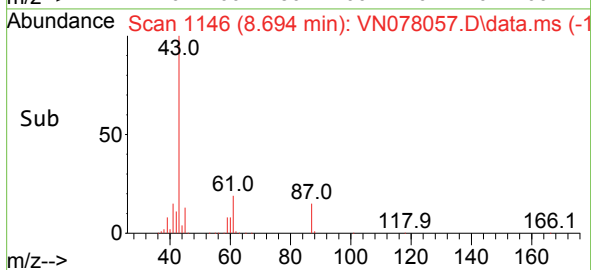
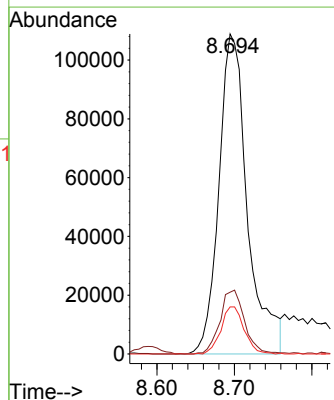
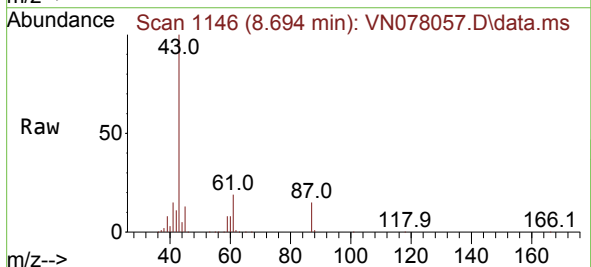
Instrument :
MSVOA_N
ClientSampleId :
RT-4648

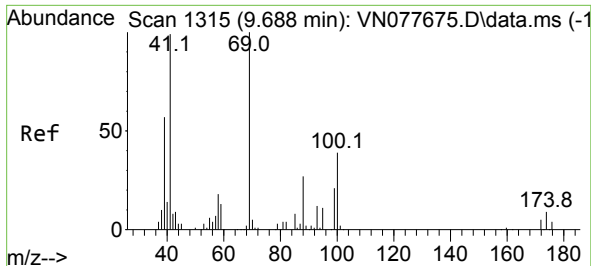
Tgt Ion:	41	Resp:	670
Ion	Ratio	Lower	Upper
41	100		
39	75.8	42.6	64.0#
67	0.0	77.5	116.3#
52	0.0	28.9	43.3#



#43
Isopropyl Acetate
Concen: 28.835 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078057.D
Acq: 05 Jun 2023 20:21

Tgt Ion:	43	Resp:	279382
Ion	Ratio	Lower	Upper
43	100		
61	17.2	24.7	37.1#
87	12.0	14.6	21.8#

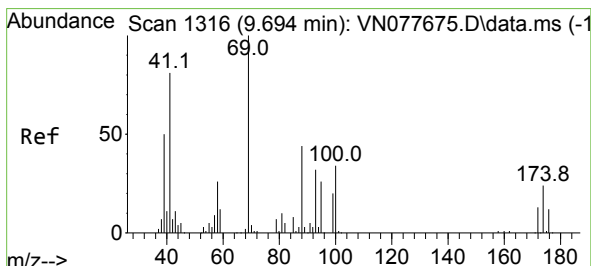
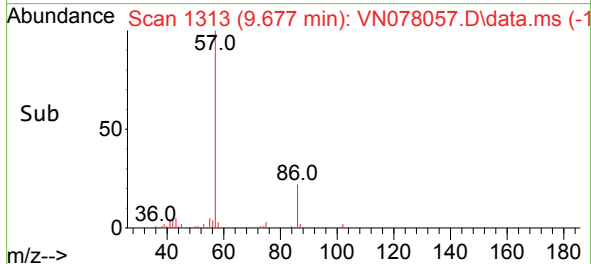
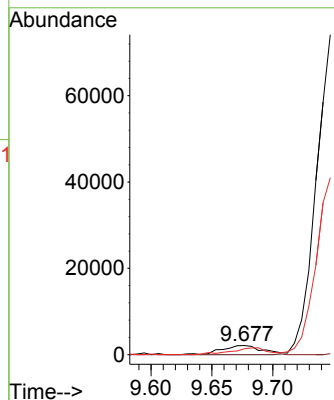
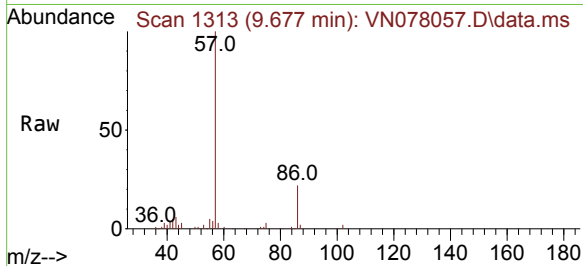




#48
Methyl methacrylate
Concen: 1.076 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.011 min
Lab File: VN078057.D
Acq: 05 Jun 2023 20:21

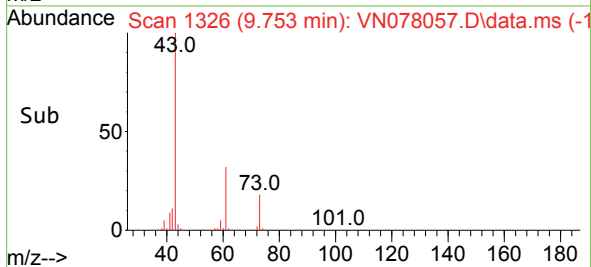
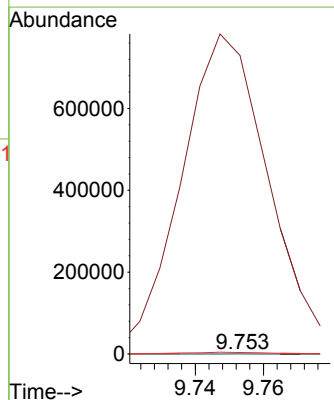
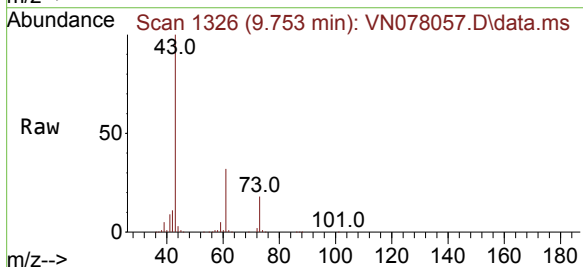
Instrument :
MSVOA_N
ClientSampleId :
RT-4648

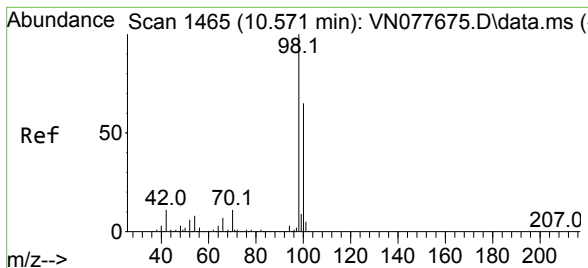
Tgt Ion: 41 Resp: 4945
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 66.4 54.6 81.8



#49
1,4-Dioxane
Concen: 1.810 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.059 min
Lab File: VN078057.D
Acq: 05 Jun 2023 20:21

Tgt Ion: 88 Resp: 157
Ion Ratio Lower Upper
88 100
43 905227.4 17.0 25.6#
58 5054.8 47.0 70.4#

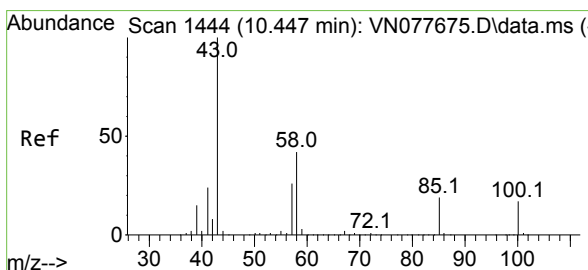
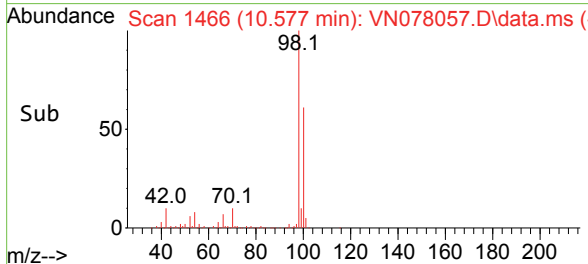
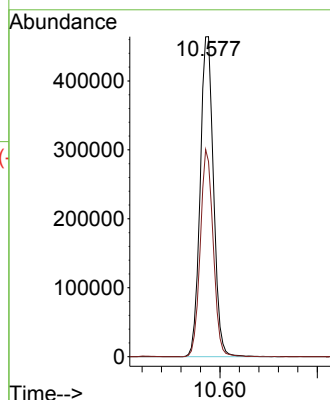
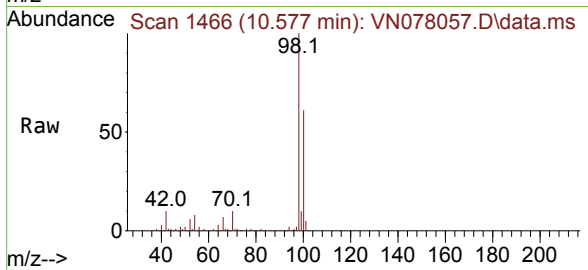




#50
Toluene-d8
Concen: 50.352 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078057.D
Acq: 05 Jun 2023 20:21

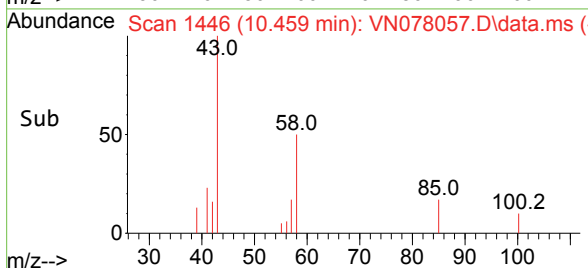
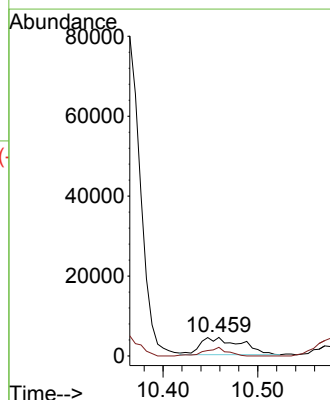
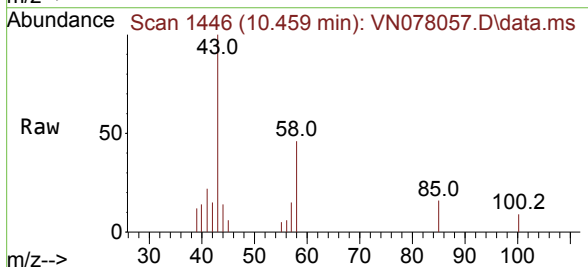
Instrument :
MSVOA_N
ClientSampleId :
RT-4648

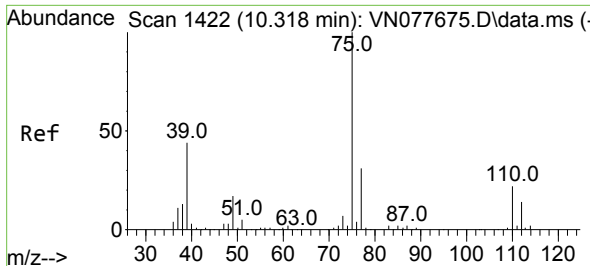
Tgt Ion: 98 Resp: 881837
Ion Ratio Lower Upper
98 100
100 62.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.244 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.012 min
Lab File: VN078057.D
Acq: 05 Jun 2023 20:21

Tgt Ion: 43 Resp: 12924
Ion Ratio Lower Upper
43 100
58 27.4 36.6 54.8#

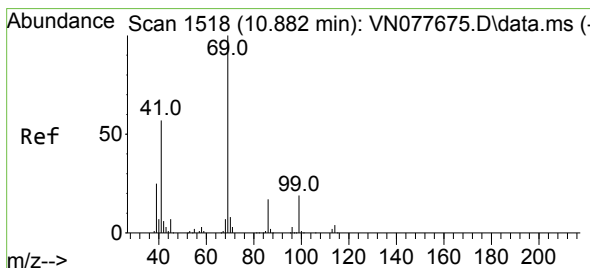
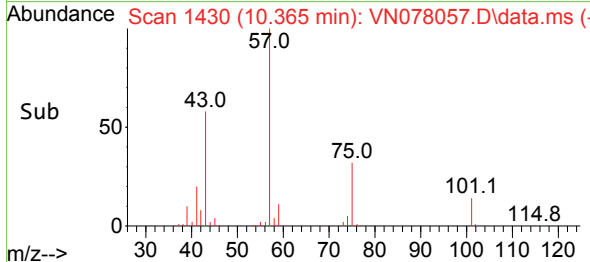
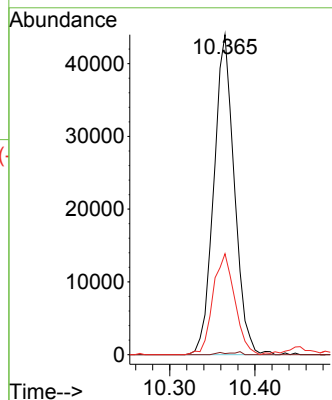
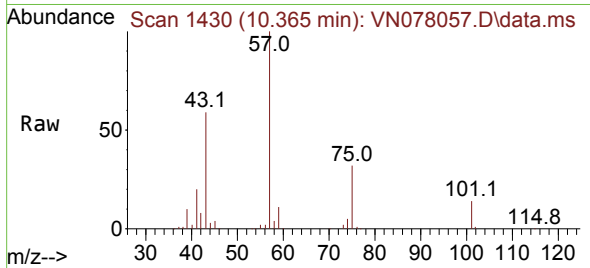




#54
 cis-1,3-Dichloropropene
 Concen: 9.210 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN078057.D
 Acq: 05 Jun 2023 20:21

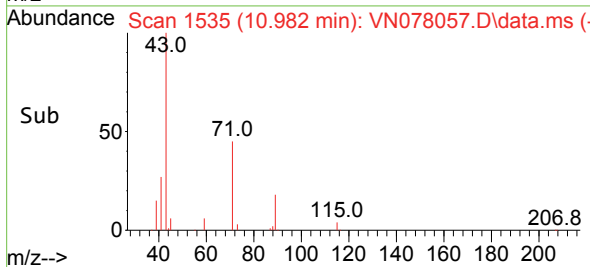
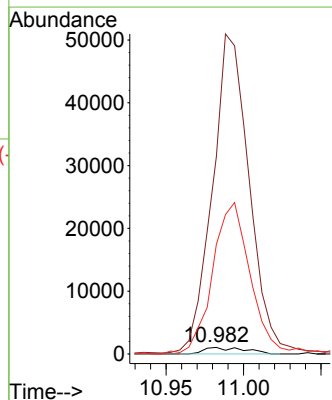
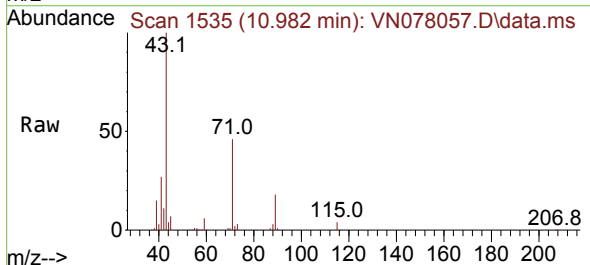
Instrument :
 MSVOA_N
 ClientSampleId :
 RT-4648

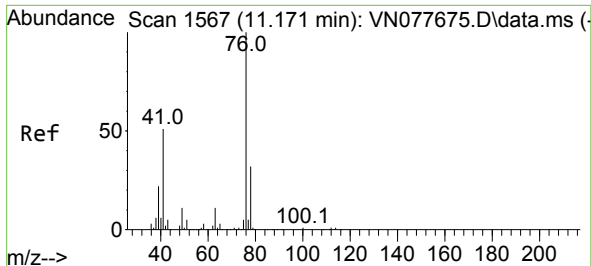
Tgt Ion: 75 Resp: 73757
 Ion Ratio Lower Upper
 75 100
 77 0.4 26.1 39.1#
 39 31.0 31.6 47.4#



#56
 Ethyl methacrylate
 Concen: 0.260 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.100 min
 Lab File: VN078057.D
 Acq: 05 Jun 2023 20:21

Tgt Ion: 69 Resp: 1909
 Ion Ratio Lower Upper
 69 100
 41 4382.6 39.6 59.4#
 39 2163.2 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 0.584 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN078057.D

Acq: 05 Jun 2023 20:21

Instrument :

MSVOA_N

ClientSampleId :

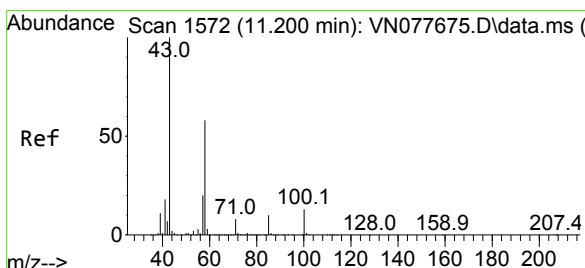
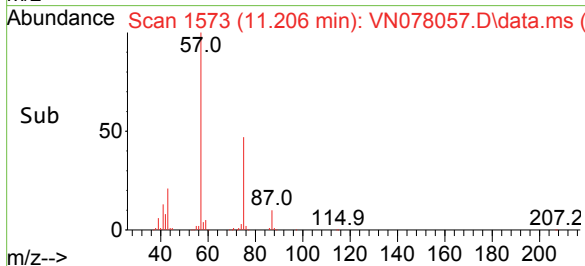
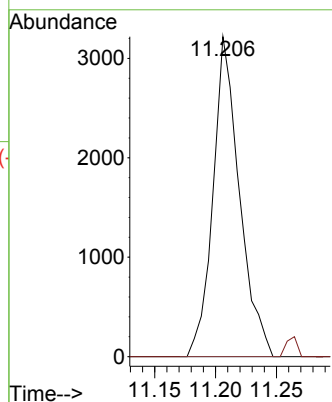
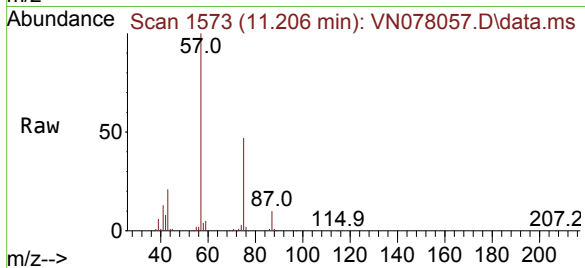
RT-4648

Tgt Ion: 76 Resp: 4863

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 48.386 ug/l

RT: 11.177 min Scan# 1568

Delta R.T. -0.023 min

Lab File: VN078057.D

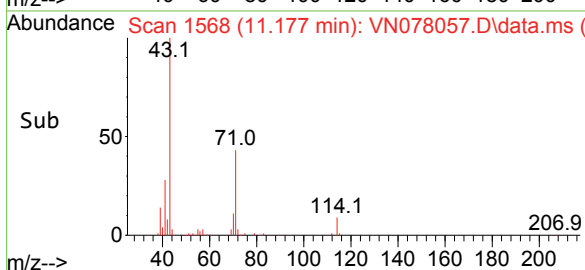
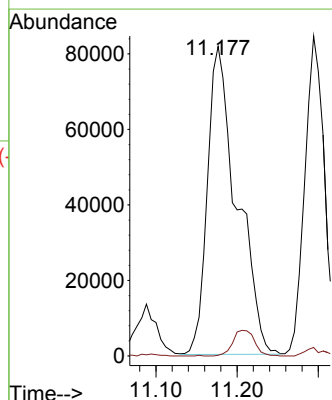
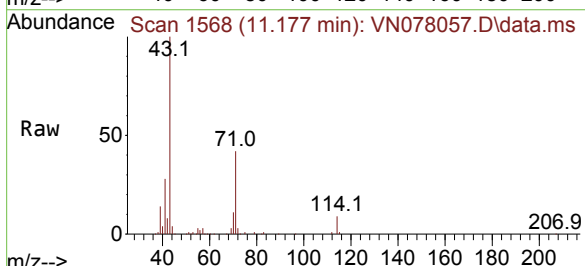
Acq: 05 Jun 2023 20:21

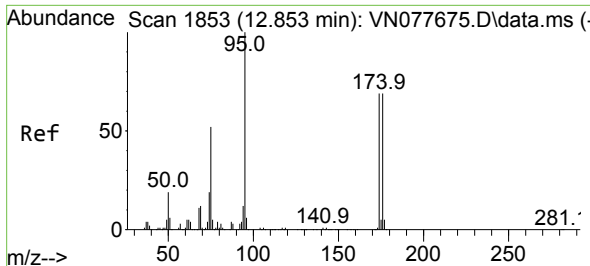
Tgt Ion: 43 Resp: 206120

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

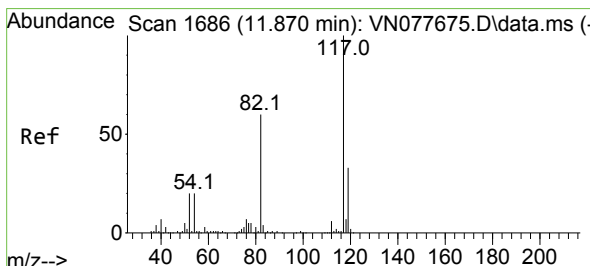
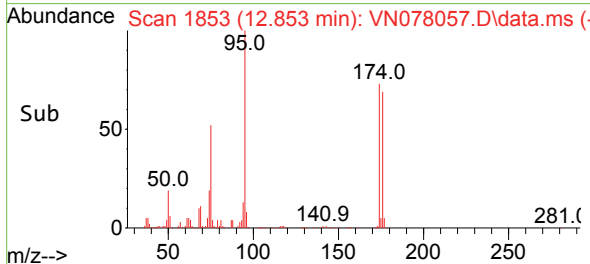
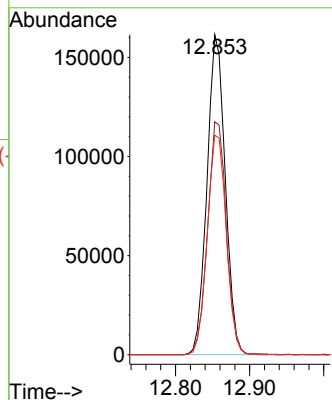
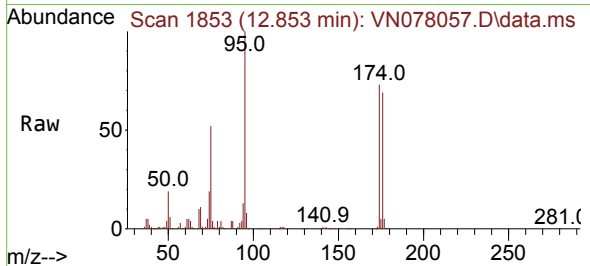




#62
4-Bromofluorobenzene
Concen: 44.689 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078057.D
Acq: 05 Jun 2023 20:21

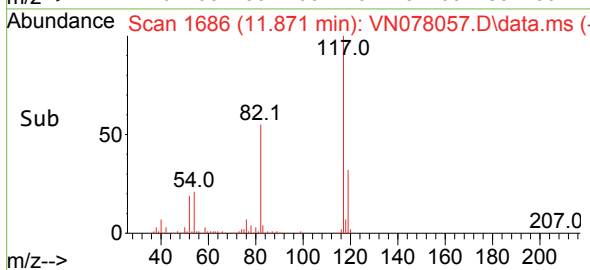
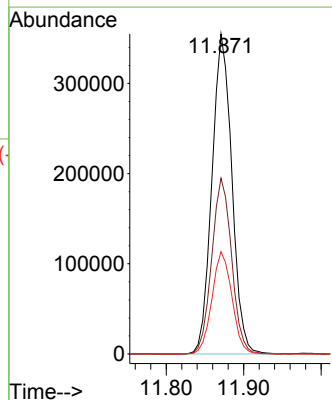
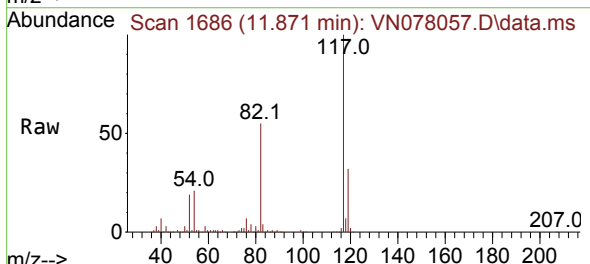
Instrument :
MSVOA_N
ClientSampleId :
RT-4648

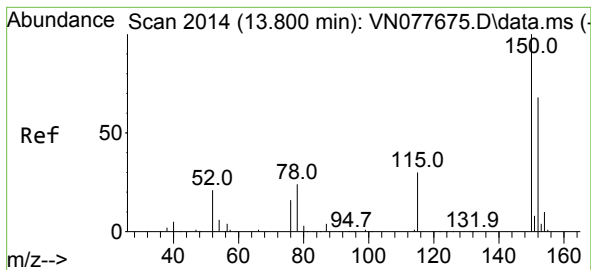
Tgt Ion: 95 Resp: 276422
Ion Ratio Lower Upper
95 100
174 74.6 0.0 143.8
176 71.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN078057.D
Acq: 05 Jun 2023 20:21

Tgt Ion: 117 Resp: 635412
Ion Ratio Lower Upper
117 100
82 54.9 44.0 66.0
119 31.9 25.6 38.4

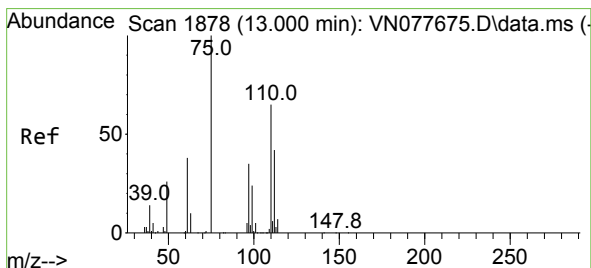
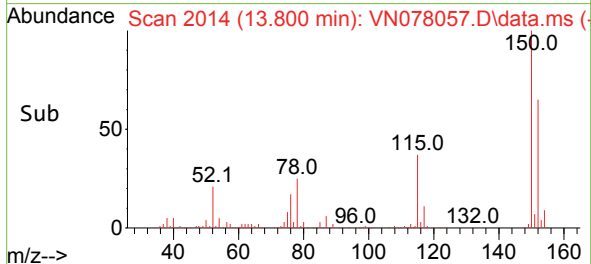
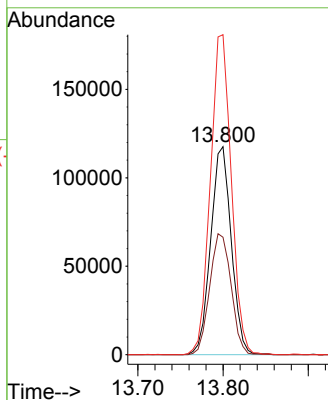
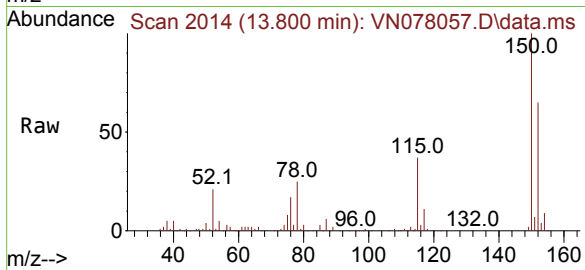




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN078057.D
 Acq: 05 Jun 2023 20:21

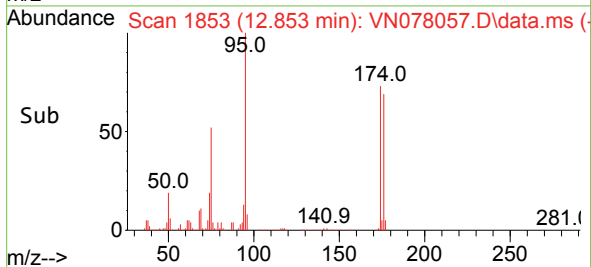
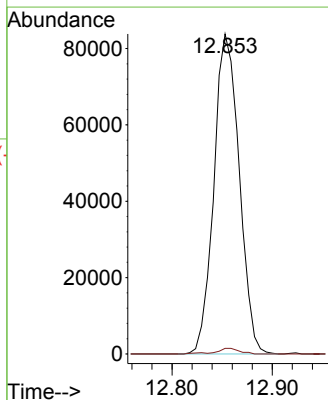
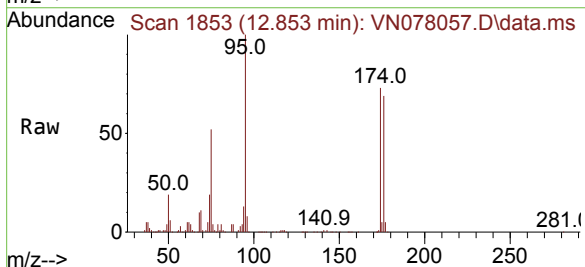
Instrument :
 MSVOA_N
 ClientSampleId :
 RT-4648

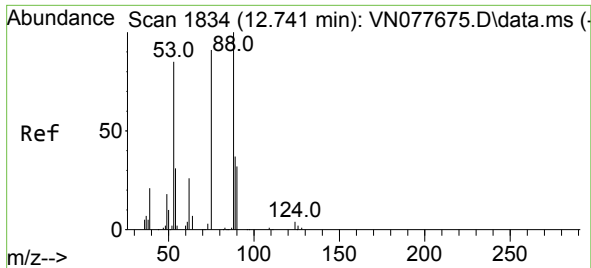
Tgt Ion:152 Resp: 197907
 Ion Ratio Lower Upper
 152 100
 115 60.3 32.3 96.8
 150 156.1 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 29.626 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN078057.D
 Acq: 05 Jun 2023 20:21

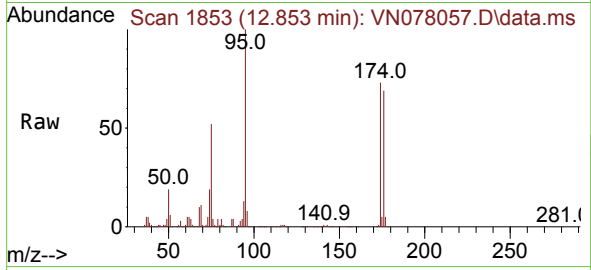
Tgt Ion: 75 Resp: 146836
 Ion Ratio Lower Upper
 75 100
 77 1.6 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.700 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078057.D
 Acq: 05 Jun 2023 20:21

Instrument :
 MSVOA_N
 ClientSampleId :
 RT-4648



Tgt Ion:	75	Resp:	146836
Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.4	101.2#
89	0.0	38.8	58.2#

