

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082123\
 Data File : VN078977.D
 Acq On : 21 Aug 2023 16:09
 Operator : JC\MD
 Sample : 04082-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 22 00:58:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

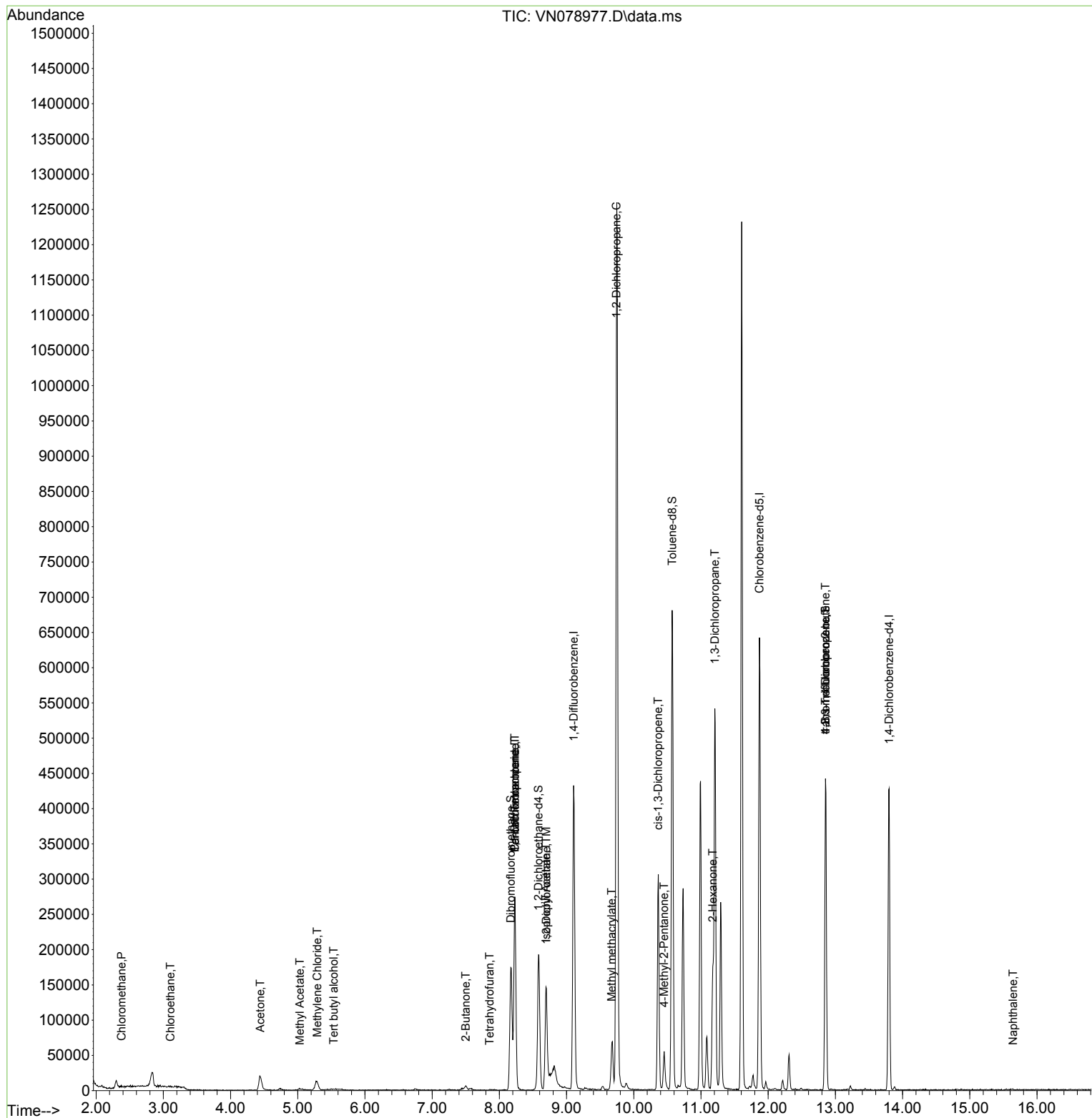
Internal Standards						
1) Pentafluorobenzene	8.230	168	190367	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	359078	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	357338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	112726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	153031	51.660	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.320%	
35) Dibromofluoromethane	8.171	113	124461	51.491	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.980%	
50) Toluene-d8	10.571	98	457952	51.025	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.060%	
62) 4-Bromofluorobenzene	12.853	95	142634	48.621	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.240%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	909	0.246	ug/l #	65
6) Chloroethane	3.106	64	466	0.206	ug/l #	43
11) Tert butyl alcohol	5.536	59	117	0.235	ug/l #	72
16) Acetone	4.442	43	38571	31.557	ug/l	88
18) Methyl Acetate	5.030	43	4275	0.828	ug/l #	47
20) Methylene Chloride	5.289	84	9514	3.653	ug/l #	84
25) 2-Butanone	7.500	43	10551	5.384	ug/l #	63
29) Tetrahydrofuran	7.853	42	530	0.409	ug/l #	20
31) Cyclohexane	8.230	56	5343	Below Cal	#	50
36) 1,1-Dichloropropene	8.230	75	17191	4.728	ug/l #	47
38) Carbon Tetrachloride	8.230	117	20008	5.492	ug/l #	15
42) 1,2-Dichloroethane	8.700	62	1010	0.252	ug/l #	73
43) Isopropyl Acetate	8.694	43	170665	23.735	ug/l #	76
45) 1,2-Dichloropropane	9.741	63	1365	0.477	ug/l #	45
48) Methyl methacrylate	9.671	41	4773	1.465	ug/l #	28
51) 4-Methyl-2-Pentanone	10.453	43	40466	9.489	ug/l #	76
54) cis-1,3-Dichloropropene	10.365	75	48452	10.704	ug/l #	73
57) 1,3-Dichloropropane	11.206	76	5527	1.168	ug/l #	42
59) 2-Hexanone	11.177	43	141091	45.677	ug/l #	19
76) 1,2,3-Trichloropropane	12.853	75	78928	29.059	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	78928	74.233	ug/l #	15
95) Naphthalene	15.647	128	175	2.607	ug/l #	70

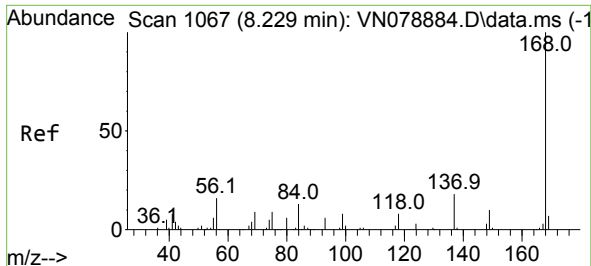
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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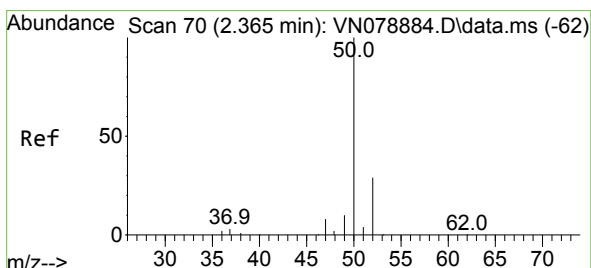
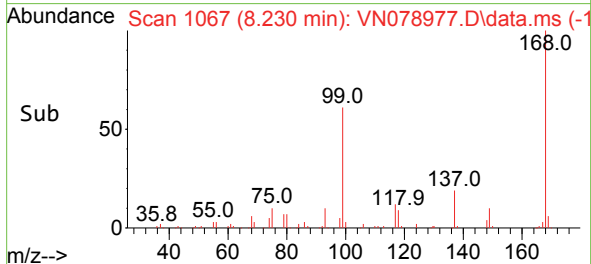
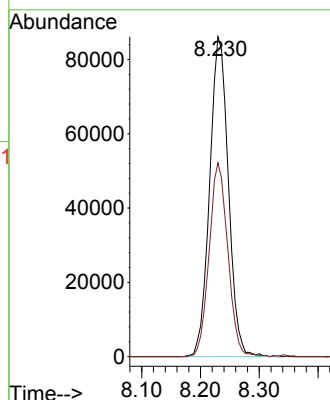
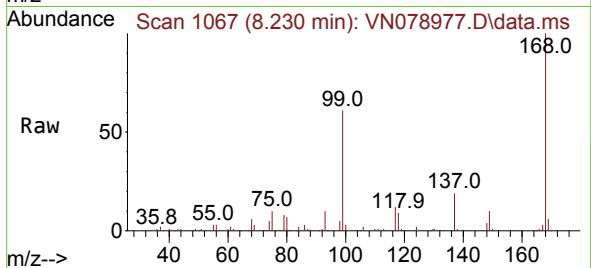




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN078977.D
Acq: 21 Aug 2023 16:09

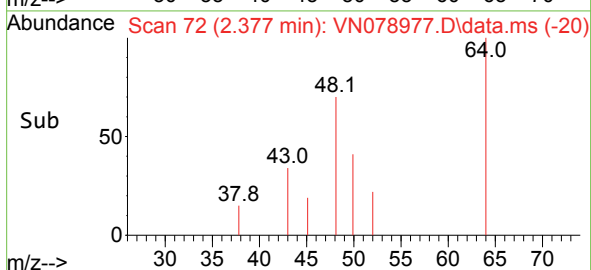
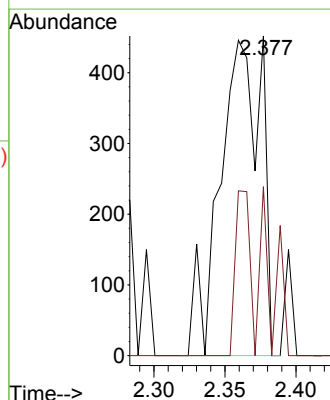
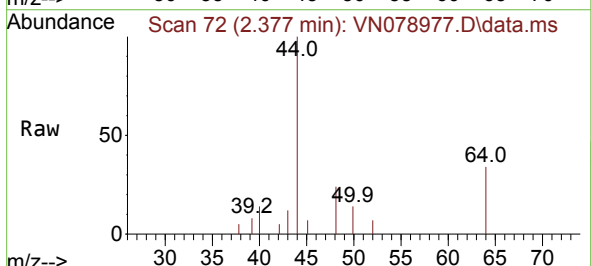
Instrument :
MSVOA_N
ClientSampleId :

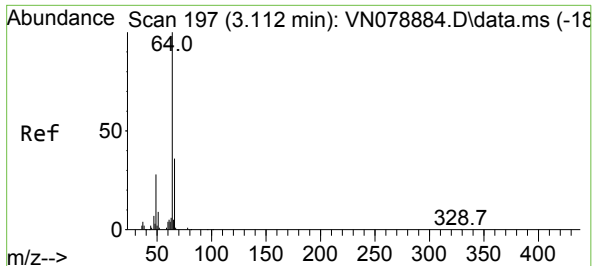
Tgt Ion:168 Resp: 190367
Ion Ratio Lower Upper
168 100
99 60.6 53.0 79.6



#3
Chloromethane
Concen: 0.246 ug/l
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078977.D
Acq: 21 Aug 2023 16:09

Tgt Ion: 50 Resp: 909
Ion Ratio Lower Upper
50 100
52 52.9 26.5 39.7#

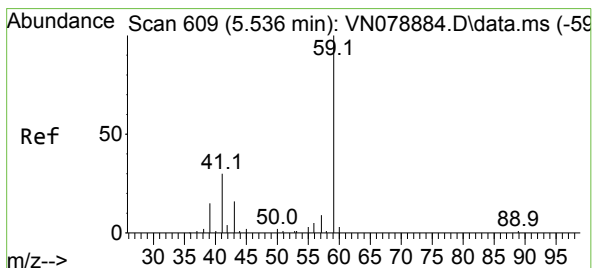
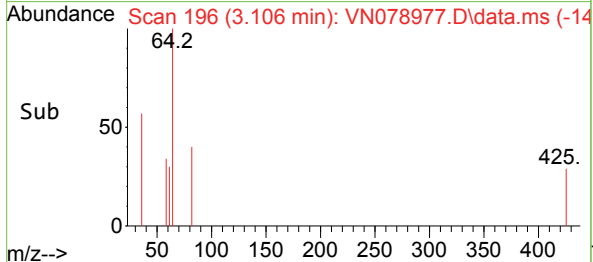
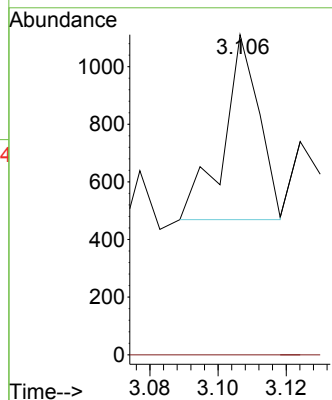
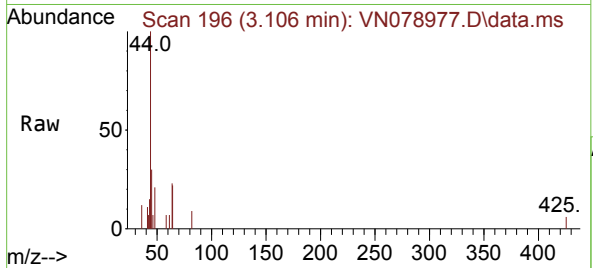




#6
Chloroethane
Concen: 0.206 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN078977.D
Acq: 21 Aug 2023 16:09

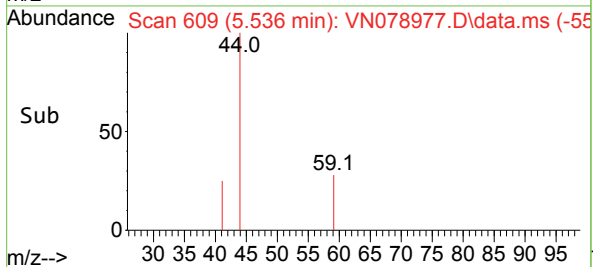
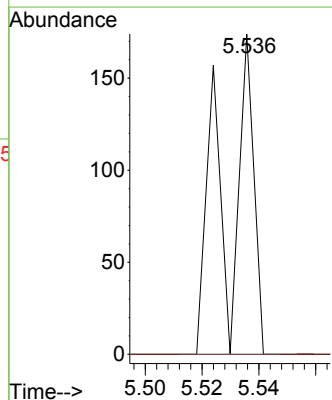
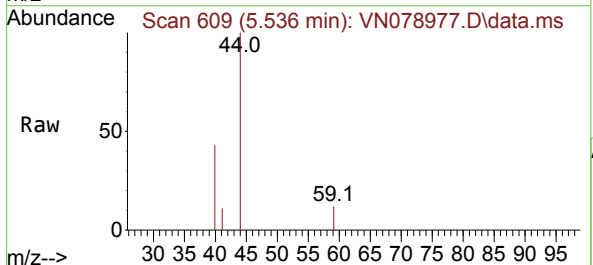
Instrument :
MSVOA_N
ClientSampleId :

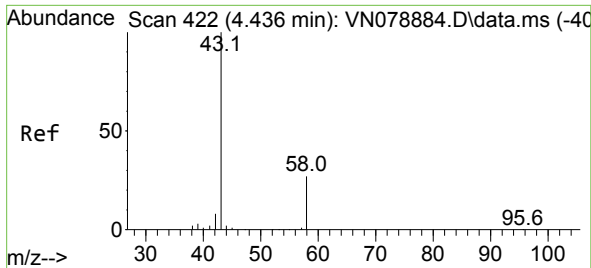
Tgt Ion: 64 Resp: 466
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.235 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN078977.D
Acq: 21 Aug 2023 16:09

Tgt Ion: 59 Resp: 117
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

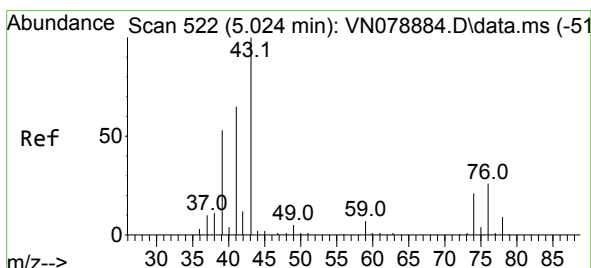
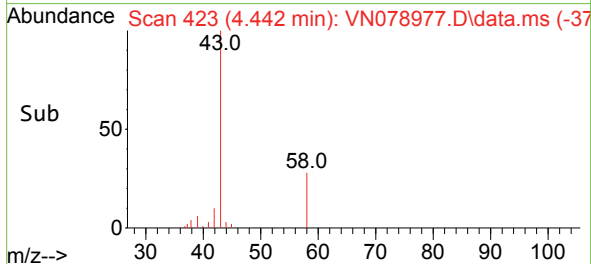
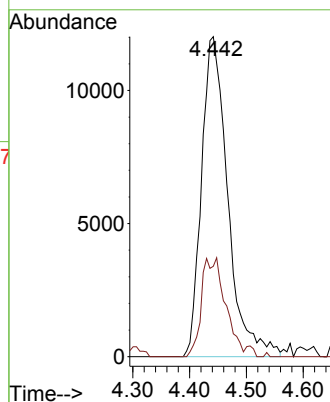
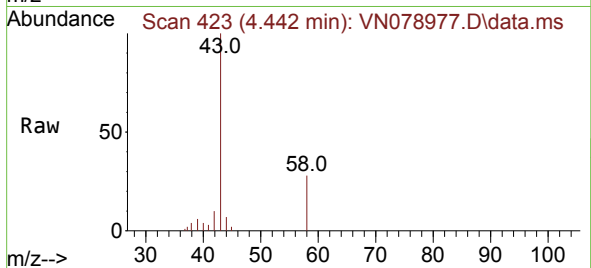




#16
Acetone
Concen: 31.557 ug/l
RT: 4.442 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN078977.D
Acq: 21 Aug 2023 16:09

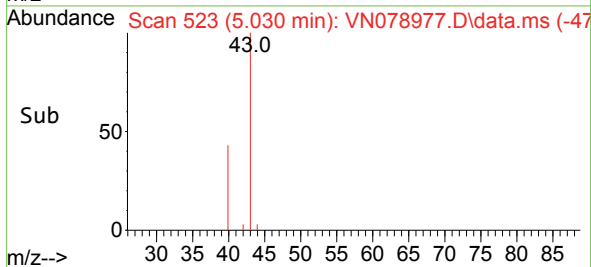
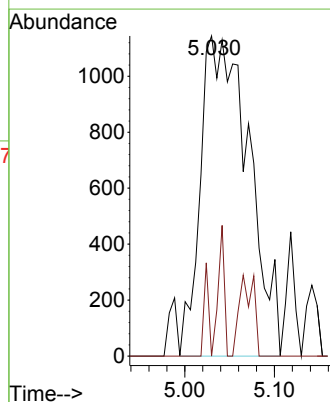
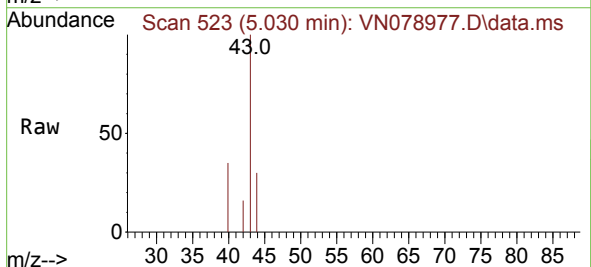
Instrument :
MSVOA_N
ClientSampleId :

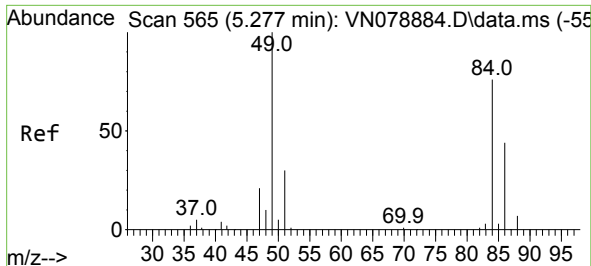
Tgt Ion: 43 Resp: 38571
Ion Ratio Lower Upper
43 100
58 28.3 28.0 42.0



#18
Methyl Acetate
Concen: 0.828 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.012 min
Lab File: VN078977.D
Acq: 21 Aug 2023 16:09

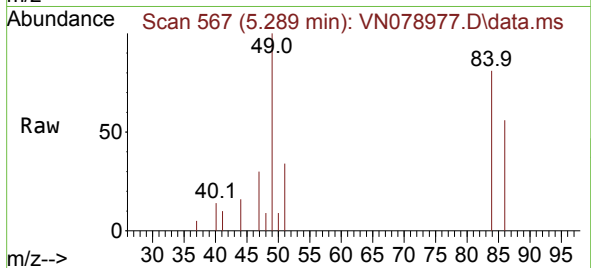
Tgt Ion: 43 Resp: 4275
Ion Ratio Lower Upper
43 100
74 2.7 26.2 39.4#



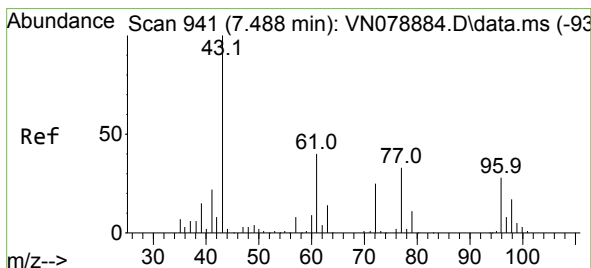
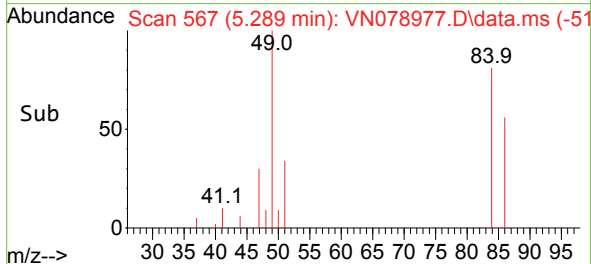
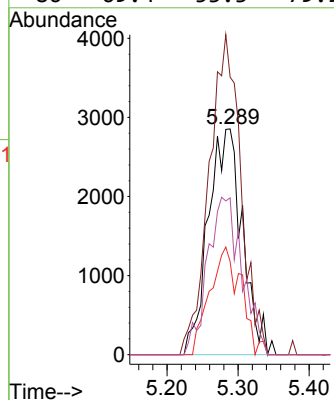


#20
Methylene Chloride
Concen: 3.653 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078977.D
Acq: 21 Aug 2023 16:09

Instrument :
MSVOA_N
ClientSampleId :

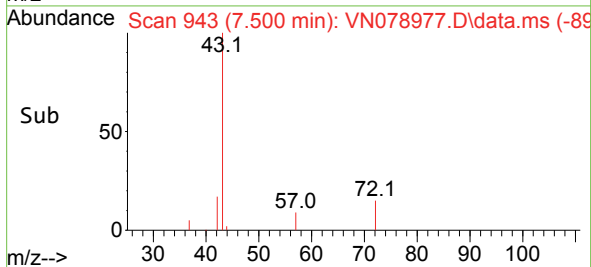
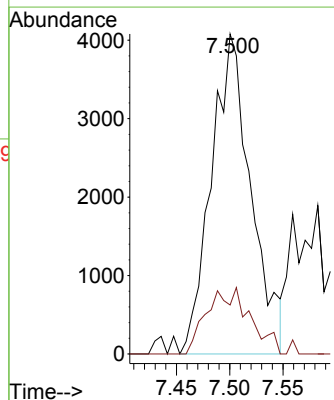
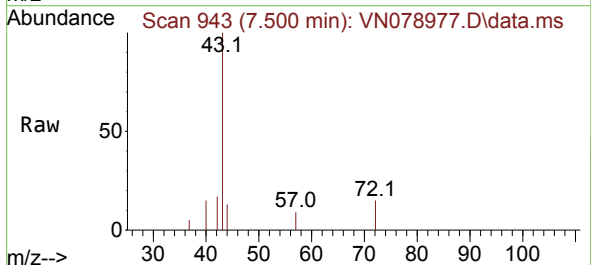


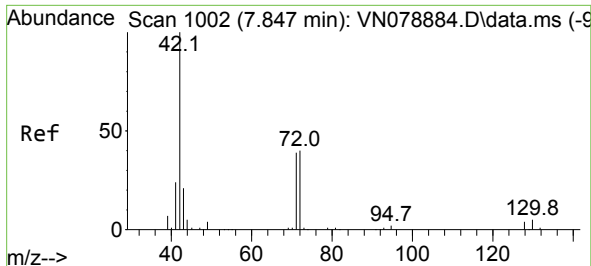
Tgt Ion:	84	Resp:	9514
Ion	Ratio	Lower	Upper
84	100		
49	123.0	79.7	119.5#
51	41.2	25.2	37.8#
86	69.4	53.3	79.9



#25
2-Butanone
Concen: 5.384 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078977.D
Acq: 21 Aug 2023 16:09

Tgt Ion:	43	Resp:	10551
Ion	Ratio	Lower	Upper
43	100		
72	15.3	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.409 ug/l

RT: 7.853 min Scan# 1067

Delta R.T. 0.006 min

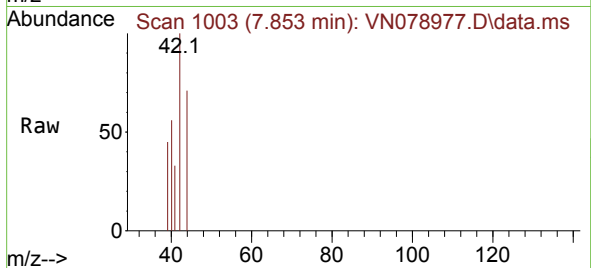
Lab File: VN078977.D

Acq: 21 Aug 2023 16:09

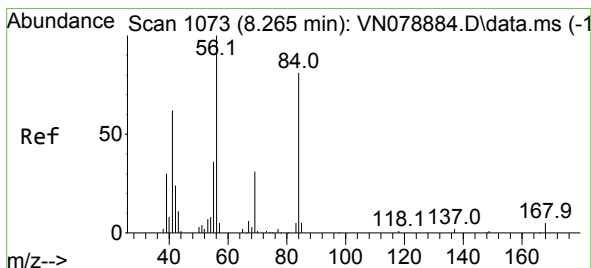
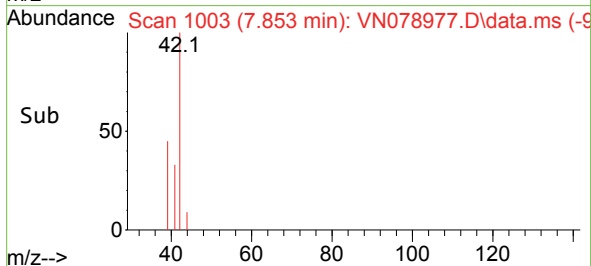
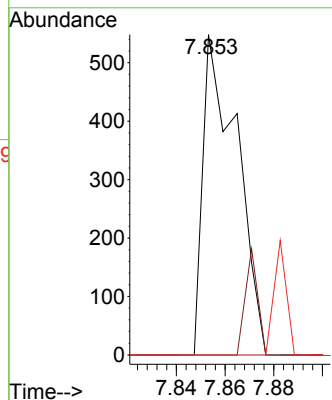
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	530
Ion Ratio	Lower	Upper	
42	100		
72	0.0	49.8	74.6#
71	0.0	47.4	71.2#



#31

Cyclohexane

Concen: Below Cal

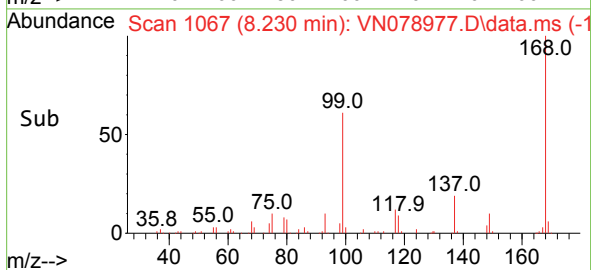
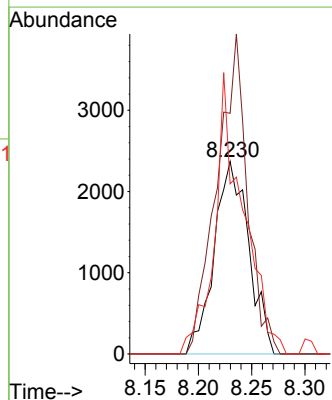
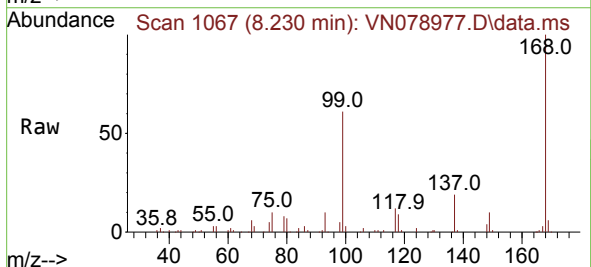
RT: 8.230 min Scan# 1067

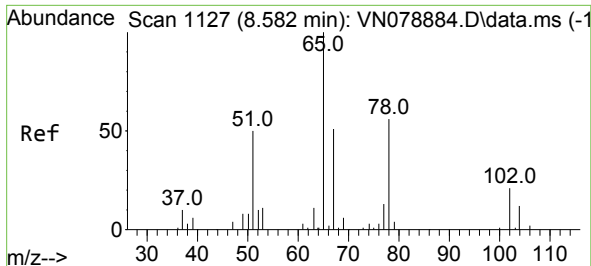
Delta R.T. -0.035 min

Lab File: VN078977.D

Acq: 21 Aug 2023 16:09

Tgt Ion:	56	Resp:	5343
Ion Ratio	Lower	Upper	
56	100		
69	125.0	26.8	40.2#
84	88.4	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 51.660 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN078977.D

Acq: 21 Aug 2023 16:09

Instrument :

MSVOA_N

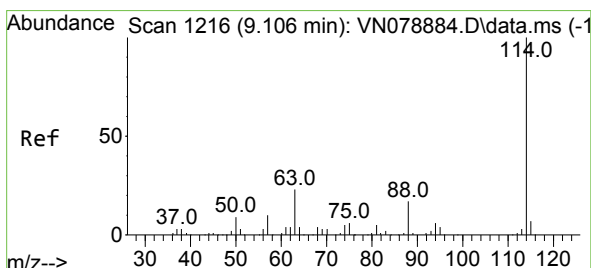
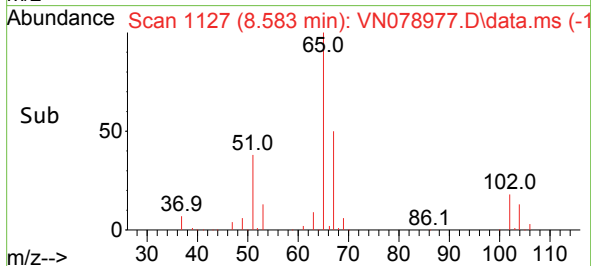
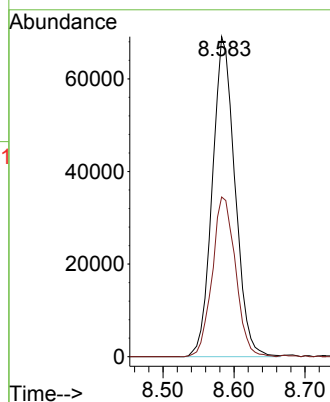
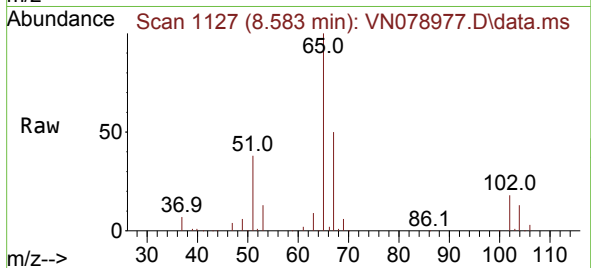
ClientSampleId :

Tgt Ion: 65 Resp: 153031

Ion Ratio Lower Upper

65 100

67 51.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN078977.D

Acq: 21 Aug 2023 16:09

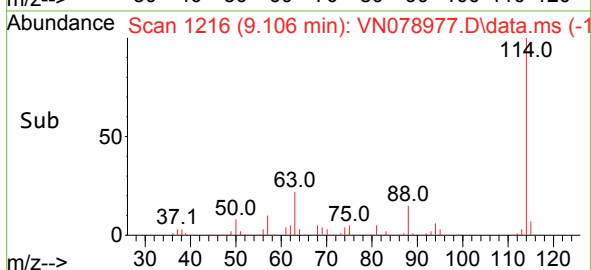
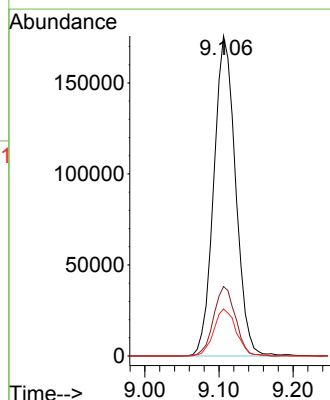
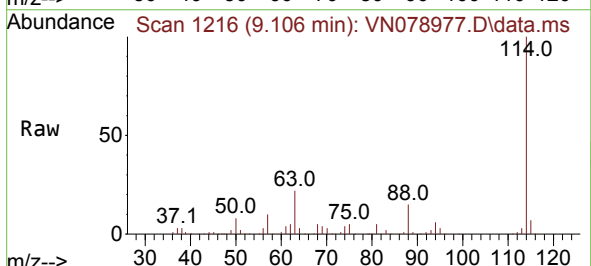
Tgt Ion: 114 Resp: 359078

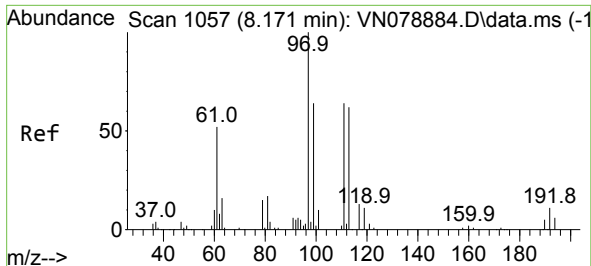
Ion Ratio Lower Upper

114 100

63 21.7 0.0 36.4

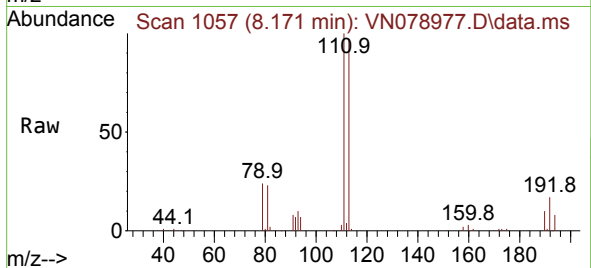
88 14.7 0.0 30.6



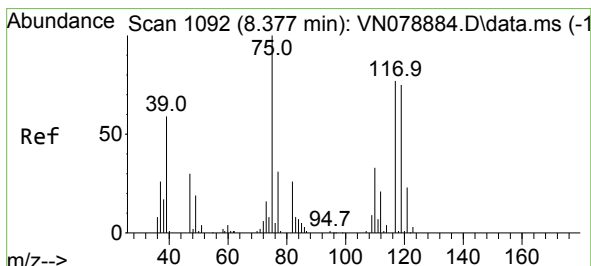
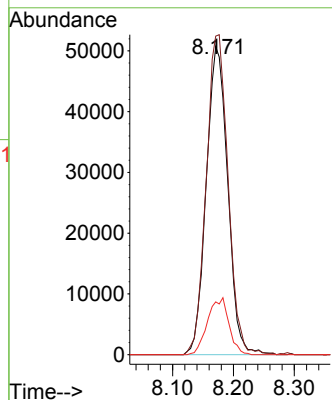
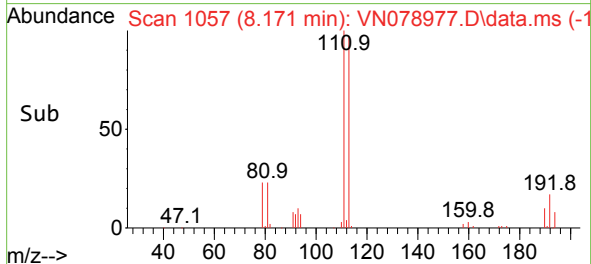


#35
Dibromofluoromethane
Concen: 51.491 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN078977.D
Acq: 21 Aug 2023 16:09

Instrument :
MSVOA_N
ClientSampleId :

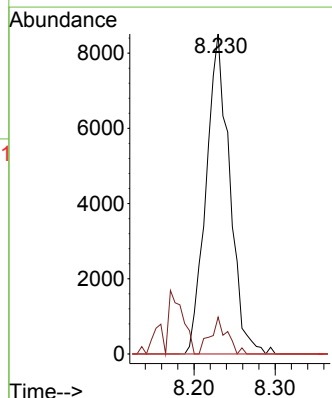
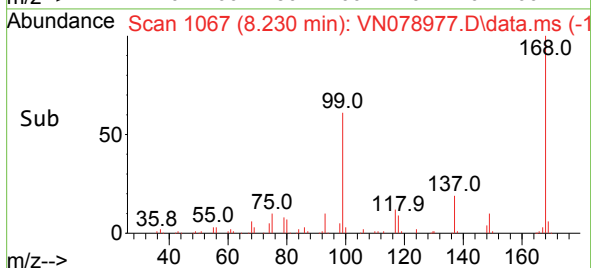
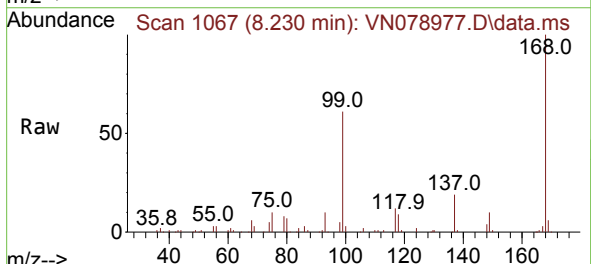


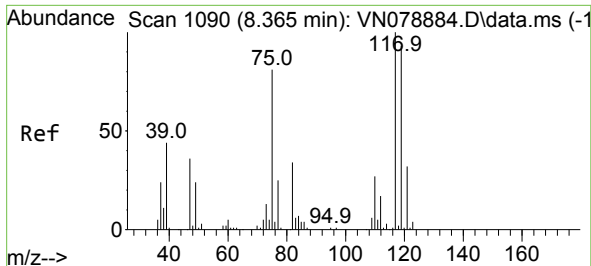
Tgt Ion:113 Resp: 124461
Ion Ratio Lower Upper
113 100
111 105.4 82.6 123.8
192 18.3 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.728 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078977.D
Acq: 21 Aug 2023 16:09

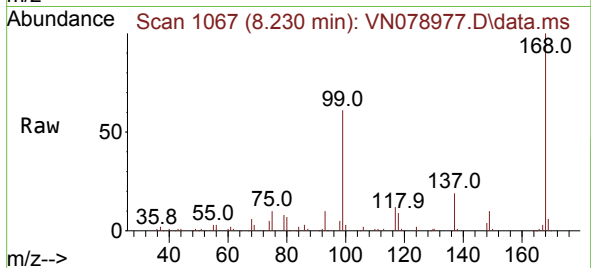
Tgt Ion: 75 Resp: 17191
Ion Ratio Lower Upper
75 100
110 8.1 19.1 57.3#
77 0.0 25.0 37.4#



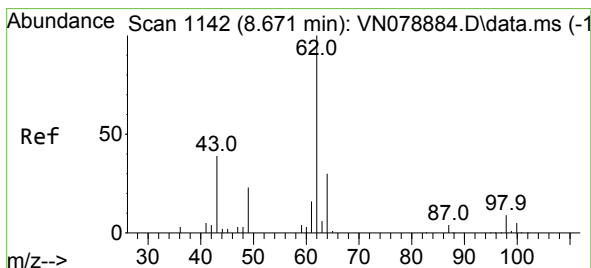
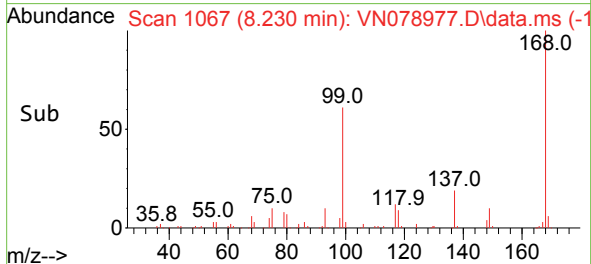
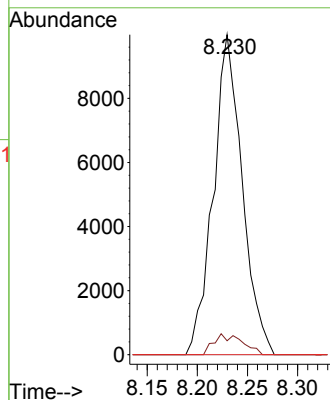


#38
Carbon Tetrachloride
Concen: 5.492 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN078977.D
Acq: 21 Aug 2023 16:09

Instrument :
MSVOA_N
ClientSampleId :

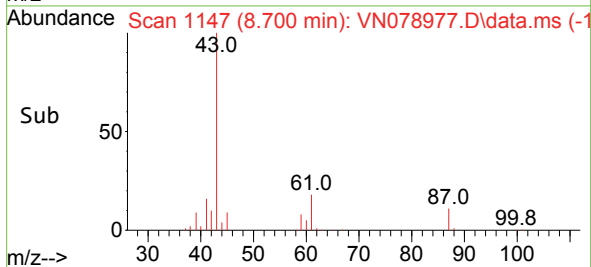
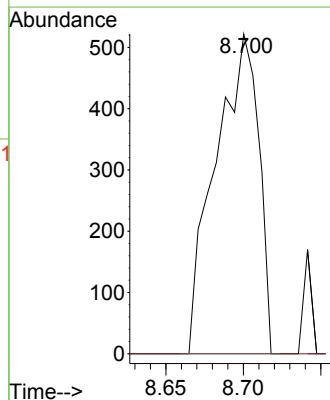
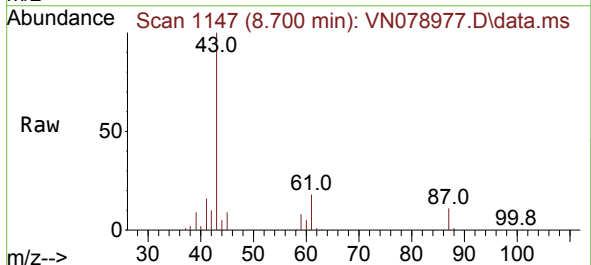


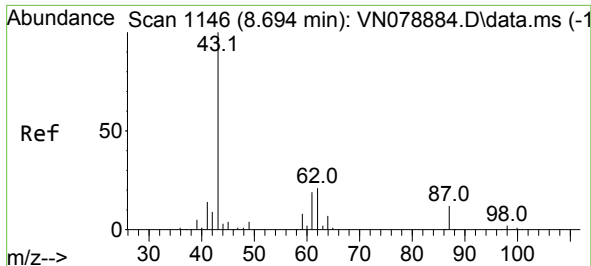
Tgt Ion:117 Resp: 20008
Ion Ratio Lower Upper
117 100
119 4.3 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.252 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.023 min
Lab File: VN078977.D
Acq: 21 Aug 2023 16:09

Tgt Ion: 62 Resp: 1010
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

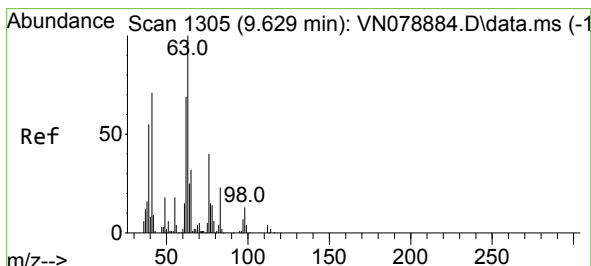
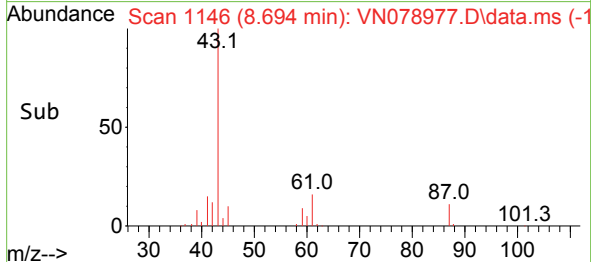
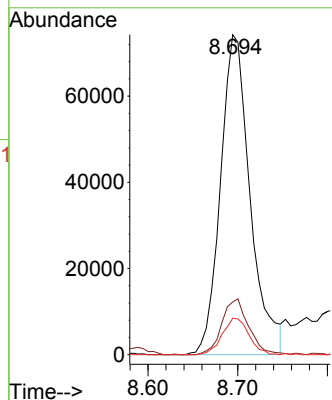
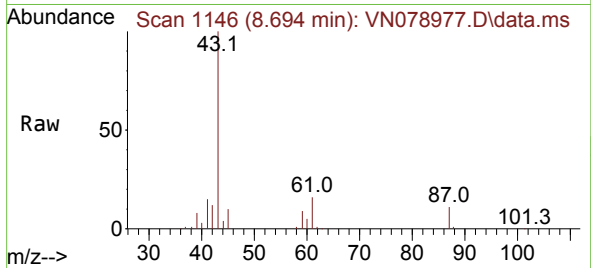




#43
Isopropyl Acetate
Concen: 23.735 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078977.D
Acq: 21 Aug 2023 16:09

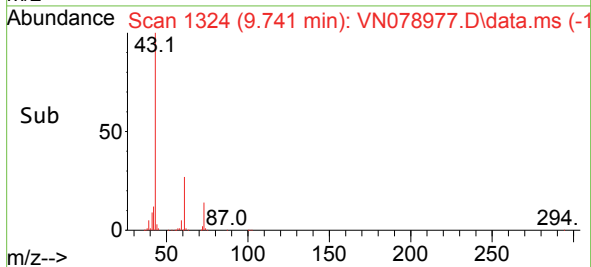
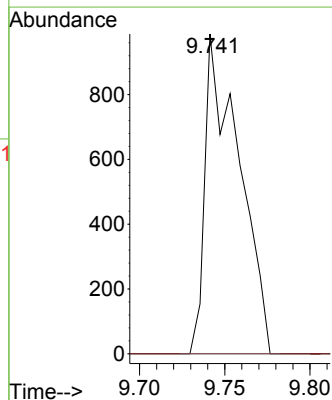
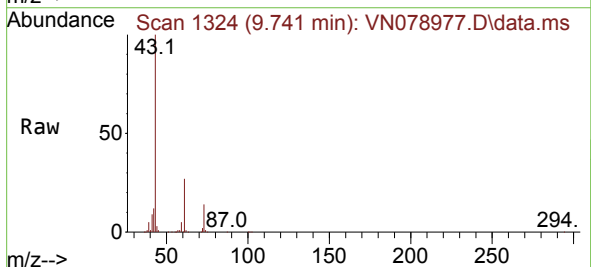
Instrument :
MSVOA_N
ClientSampleId :

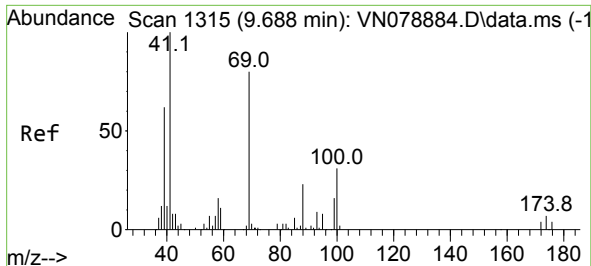
Tgt Ion: 43 Resp: 170665
Ion Ratio Lower Upper
43 100
61 15.8 24.7 37.1#
87 10.2 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.477 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.117 min
Lab File: VN078977.D
Acq: 21 Aug 2023 16:09

Tgt Ion: 63 Resp: 1365
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

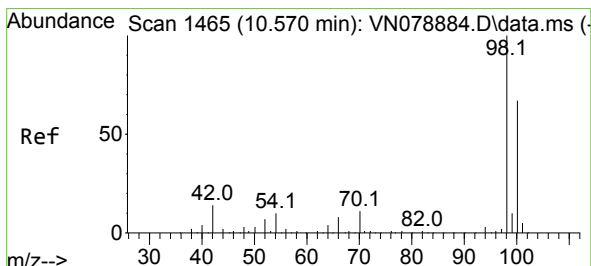
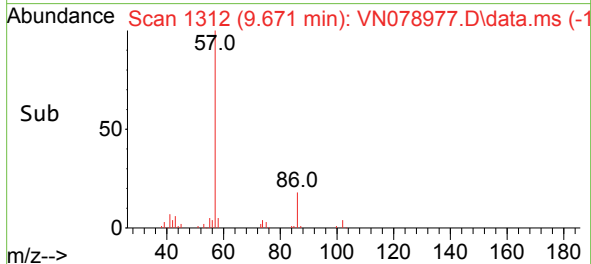
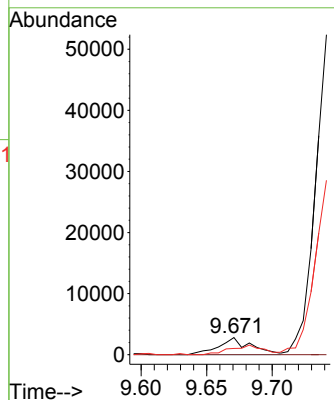
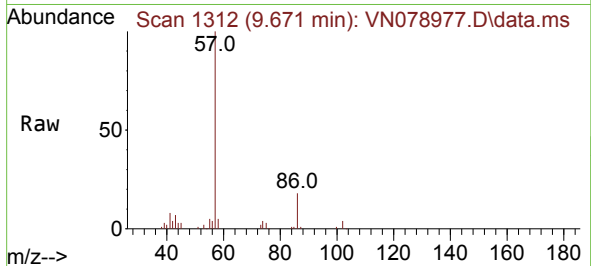




#48
Methyl methacrylate
Concen: 1.465 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.017 min
Lab File: VN078977.D
Acq: 21 Aug 2023 16:09

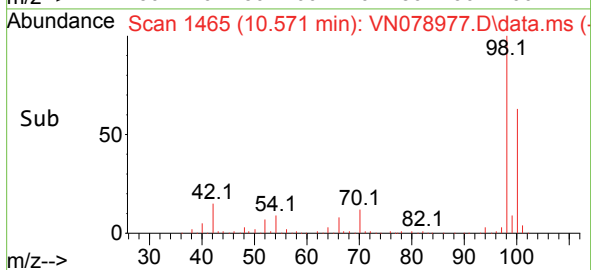
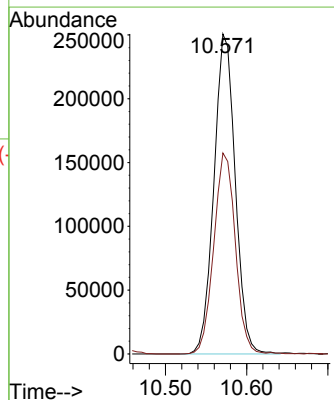
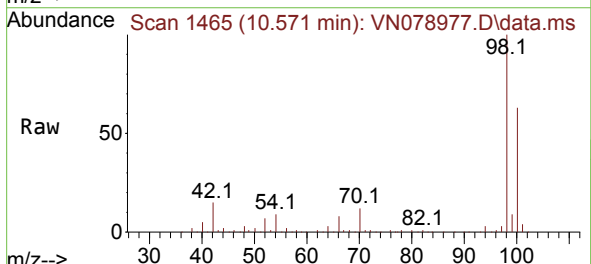
Instrument :
MSVOA_N
ClientSampleId :

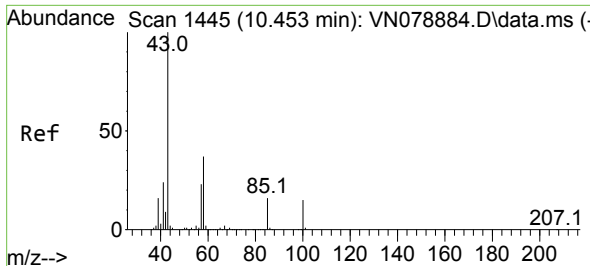
Tgt Ion: 41 Resp: 4773
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 55.7 54.6 81.8



#50
Toluene-d8
Concen: 51.025 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078977.D
Acq: 21 Aug 2023 16:09

Tgt Ion: 98 Resp: 457952
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0

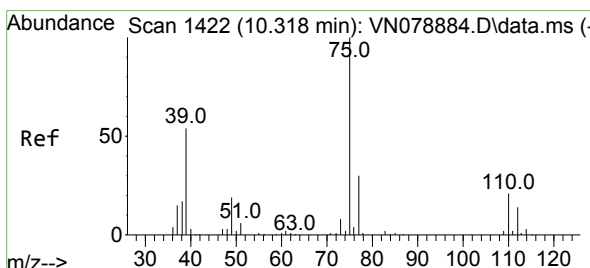
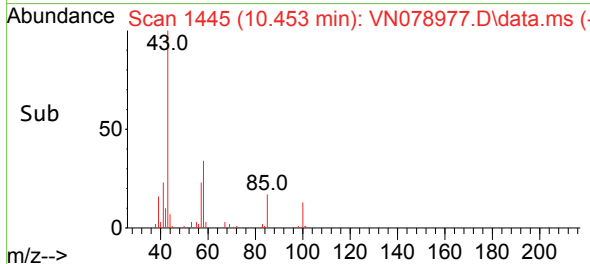
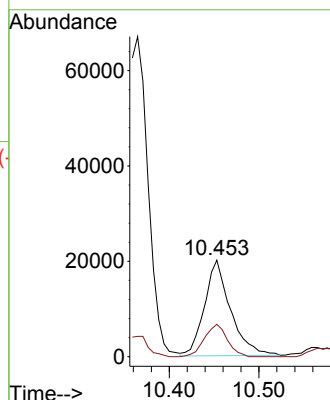
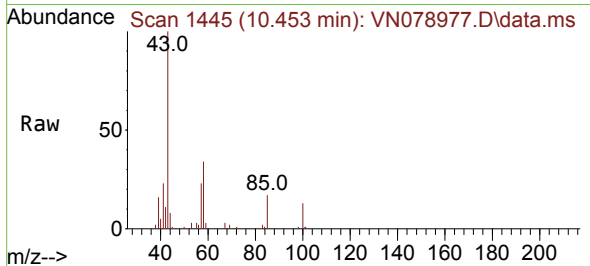




#51
4-Methyl-2-Pentanone
Concen: 9.489 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078977.D
Acq: 21 Aug 2023 16:09

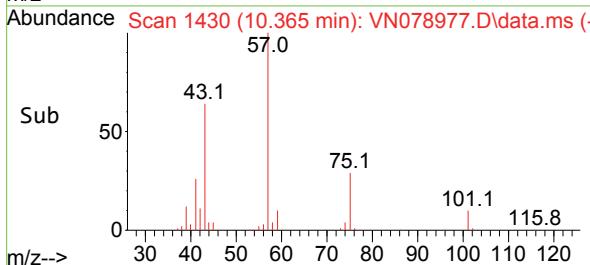
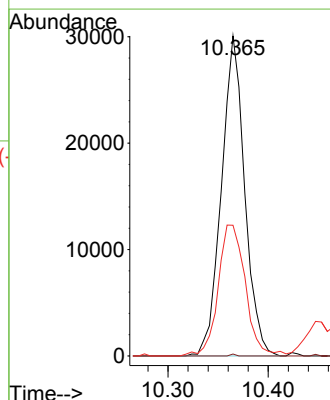
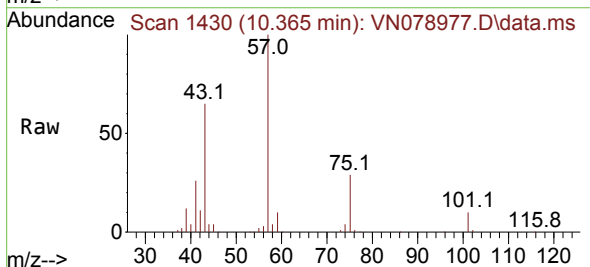
Instrument :
MSVOA_N
ClientSampleId :

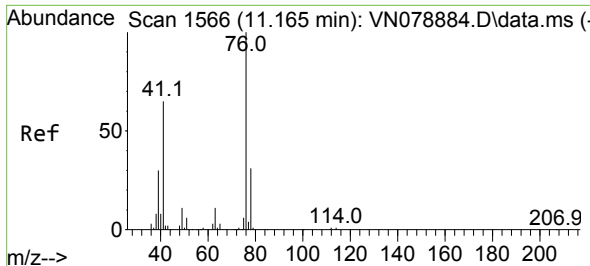
Tgt Ion: 43 Resp: 40466
Ion Ratio Lower Upper
43 100
58 29.6 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 10.704 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078977.D
Acq: 21 Aug 2023 16:09

Tgt Ion: 75 Resp: 48452
Ion Ratio Lower Upper
75 100
77 0.6 26.1 39.1#
39 40.8 31.6 47.4





#57

1,3-Dichloropropane

Concen: 1.168 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN078977.D

Acq: 21 Aug 2023 16:09

Instrument :

MSVOA_N

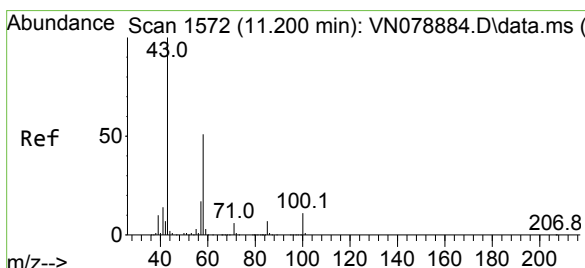
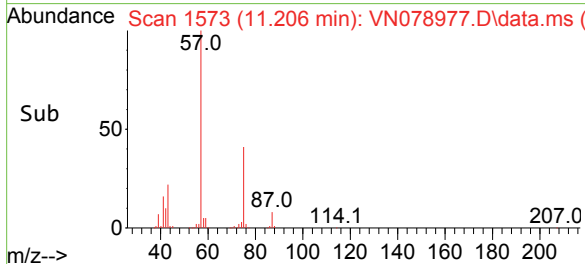
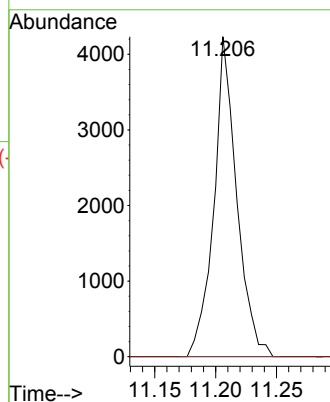
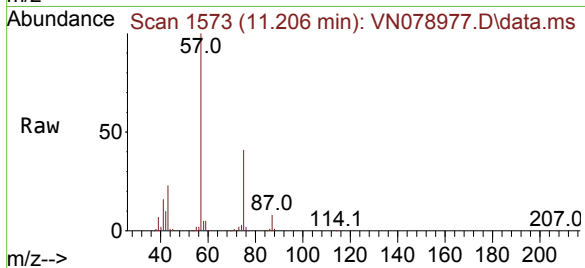
ClientSampleId :

Tgt Ion: 76 Resp: 5527

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 45.677 ug/l

RT: 11.177 min Scan# 1568

Delta R.T. -0.023 min

Lab File: VN078977.D

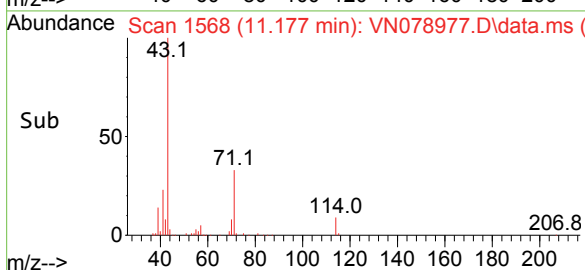
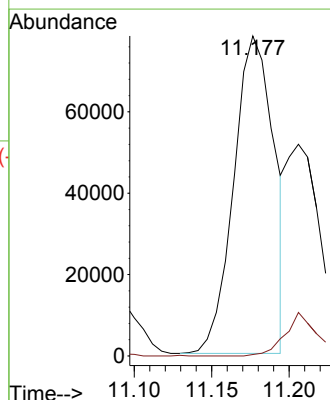
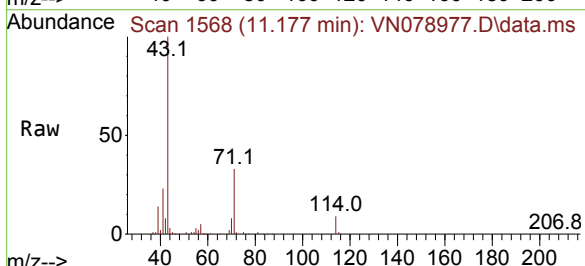
Acq: 21 Aug 2023 16:09

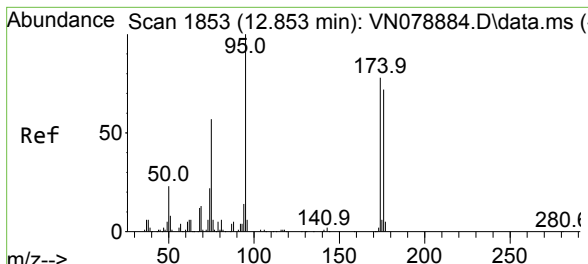
Tgt Ion: 43 Resp: 141091

Ion Ratio Lower Upper

43 100

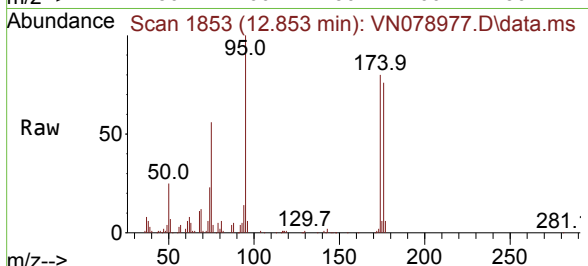
58 0.0 31.7 95.1#



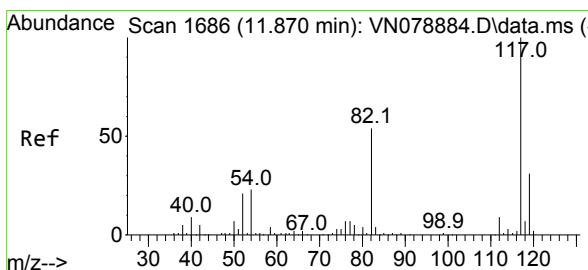
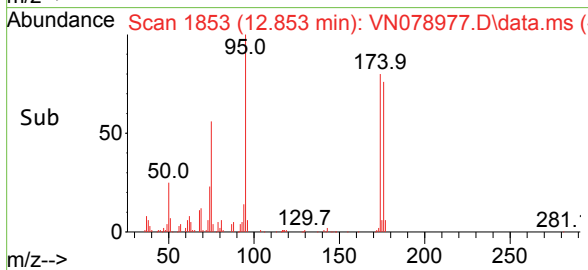
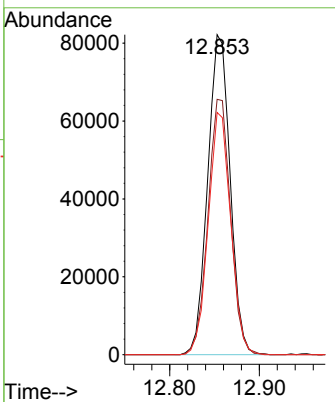


#62
 4-Bromofluorobenzene
 Concen: 48.621 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN078977.D
 Acq: 21 Aug 2023 16:09

Instrument :
 MSVOA_N
 ClientSampleId :

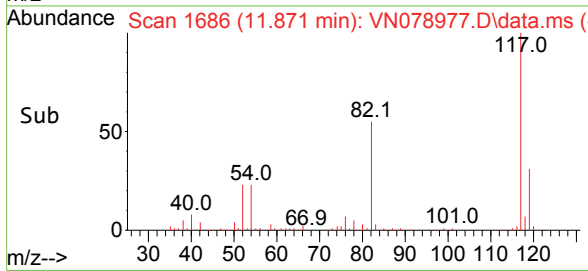
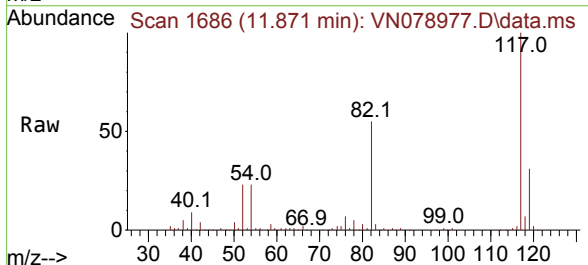
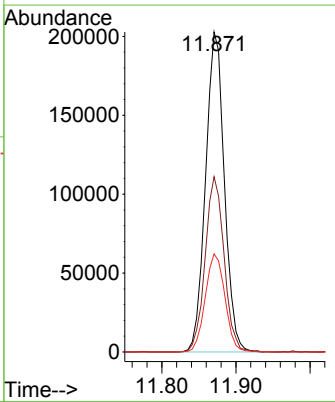


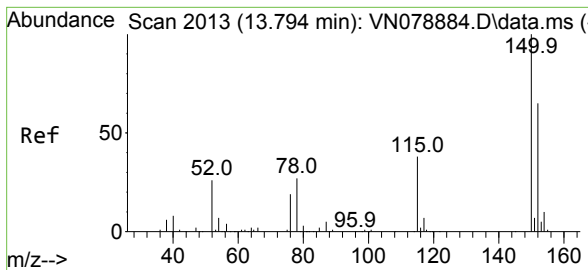
Tgt Ion:	95	Resp:	142634
Ion Ratio	Lower	Upper	
95	100		
174	80.4	0.0	143.8
176	75.8	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. -0.000 min
 Lab File: VN078977.D
 Acq: 21 Aug 2023 16:09

Tgt Ion:	117	Resp:	357338
Ion Ratio	Lower	Upper	
117	100		
82	54.7	44.0	66.0
119	30.7	25.6	38.4

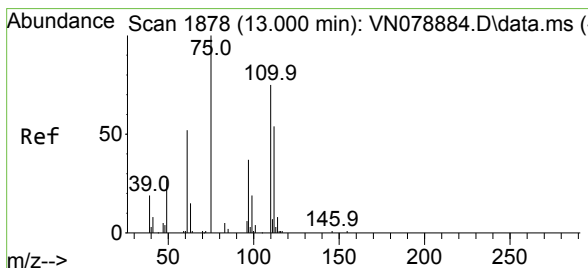
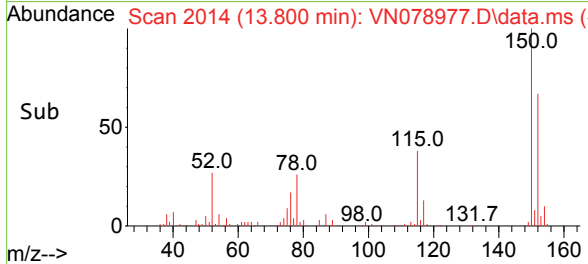
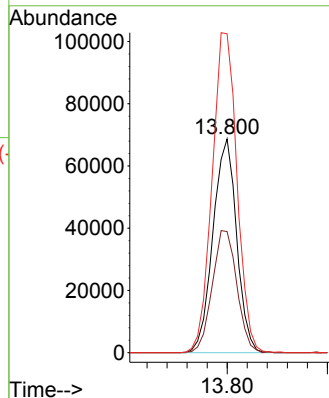
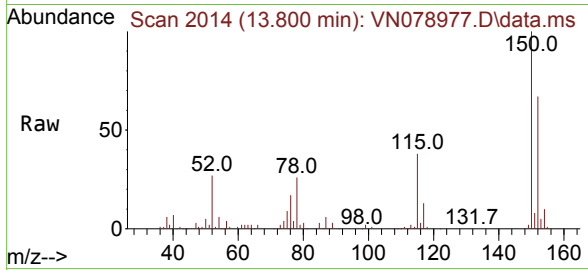




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN078977.D
 Acq: 21 Aug 2023 16:09

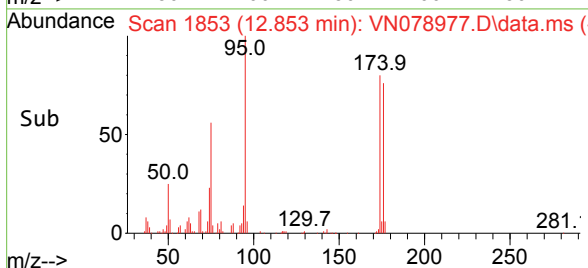
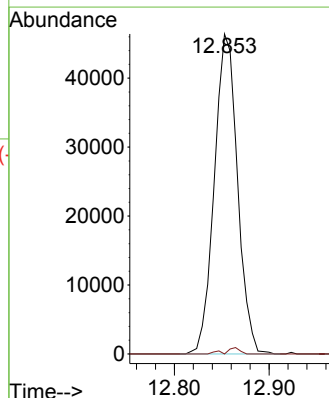
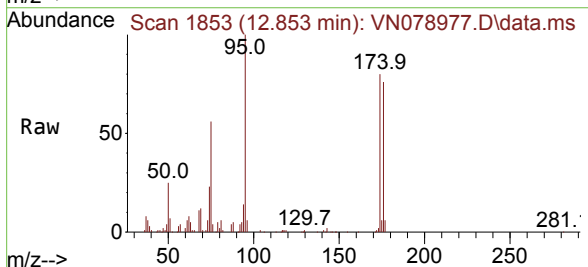
Instrument :
 MSVOA_N
 ClientSampleId :

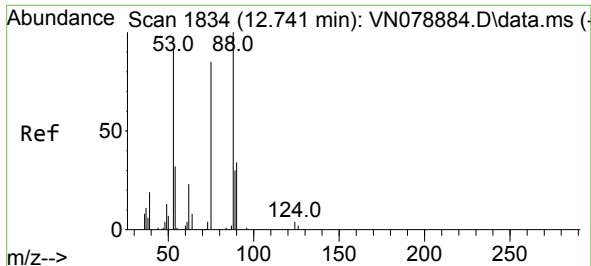
Tgt Ion:152 Resp: 112726
 Ion Ratio Lower Upper
 152 100
 115 59.4 32.3 96.8
 150 157.0 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 29.059 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN078977.D
 Acq: 21 Aug 2023 16:09

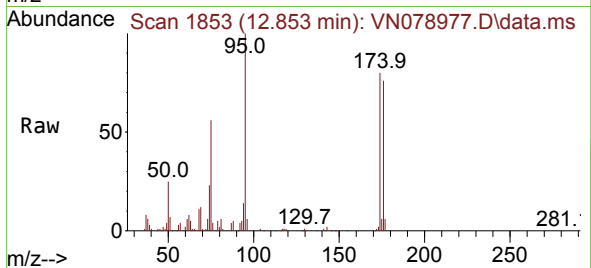
Tgt Ion: 75 Resp: 78928
 Ion Ratio Lower Upper
 75 100
 77 1.2 84.5 253.5#



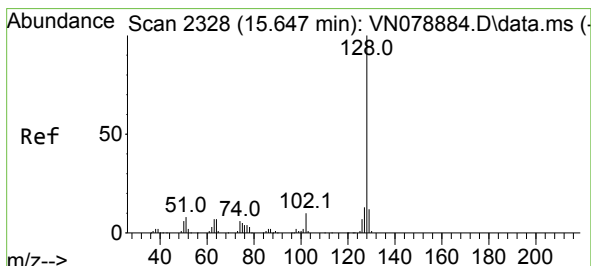
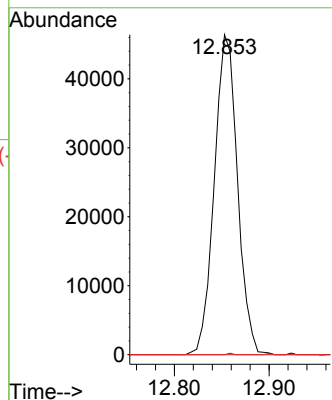
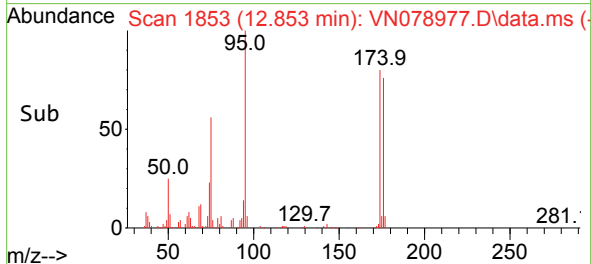


#81
trans-1,4-Dichloro-2-butene
Concen: 74.233 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078977.D
Acq: 21 Aug 2023 16:09

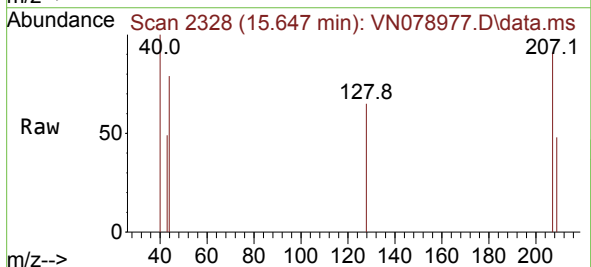
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 78928
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 2.607 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN078977.D
Acq: 21 Aug 2023 16:09



Tgt Ion: 128 Resp: 175
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

