

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090223\
 Data File : VN079141.D
 Acq On : 02 Sep 2023 14:23
 Operator : JC\MD
 Sample : PB155301ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB155301ZHE#03

Quant Time: Sep 04 01:03:40 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)

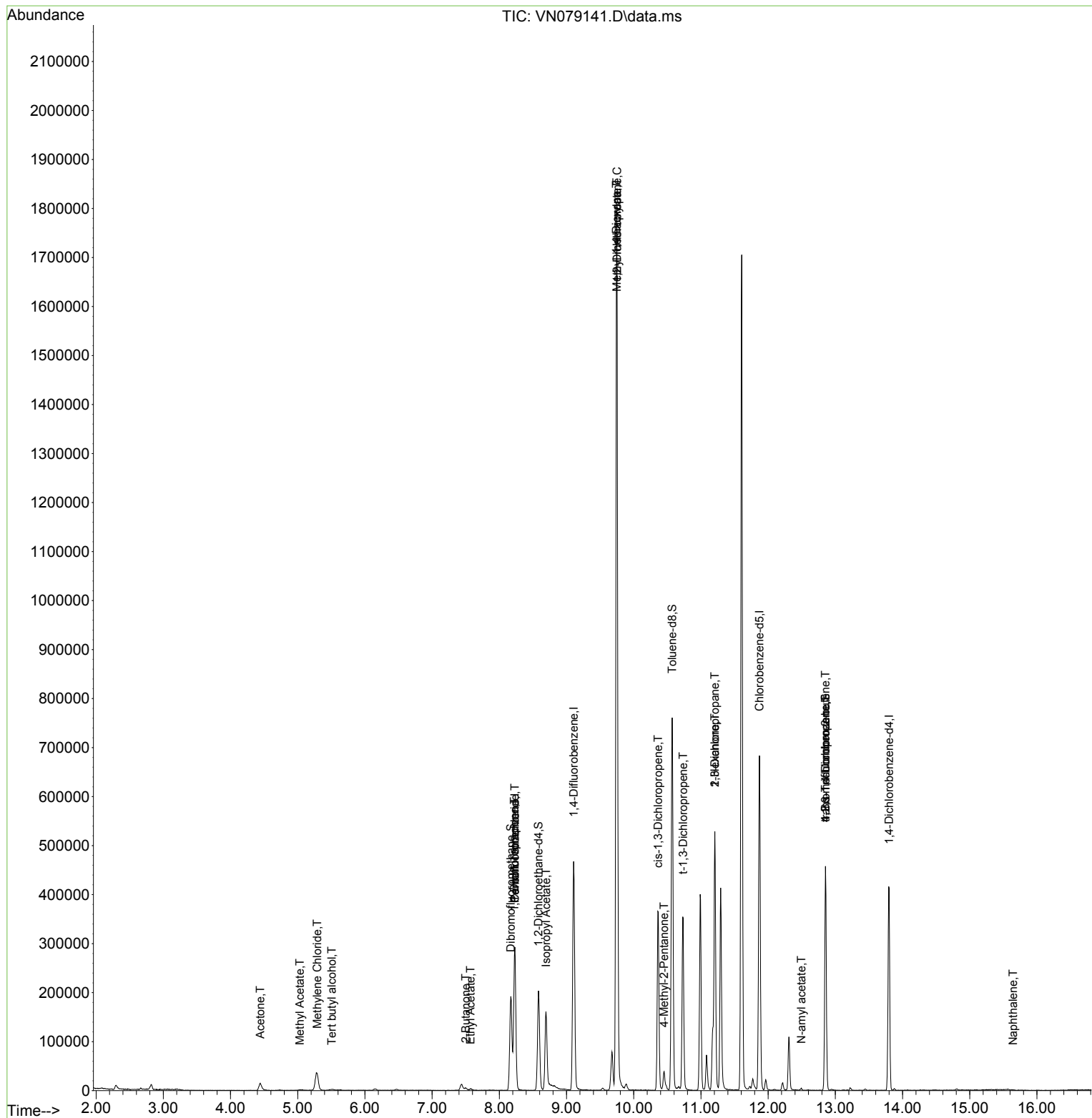
Internal Standards						
1) Pentafluorobenzene	8.230	168	216781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	413338	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	405596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	117634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	164042	48.630	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.260%
35) Dibromofluoromethane	8.171	113	140813	50.609	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.220%
50) Toluene-d8	10.571	98	537268	52.004	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.000%
62) 4-Bromofluorobenzene	12.853	95	159863	47.341	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.680%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.506	59	1682	2.971	ug/l #	72
16) Acetone	4.442	43	29006	20.840	ug/l	92
18) Methyl Acetate	5.030	43	1499	0.255	ug/l #	56
20) Methylene Chloride	5.289	84	28913	9.748	ug/l	89
25) 2-Butanone	7.500	43	8418	3.772	ug/l	91
31) Cyclohexane	8.224	56	4476	Below Cal	#	25
36) 1,1-Dichloropropene	8.224	75	17306	4.135	ug/l #	48
37) Ethyl Acetate	7.571	43	4879	1.042	ug/l #	79
38) Carbon Tetrachloride	8.230	117	22760	5.427	ug/l #	17
43) Isopropyl Acetate	8.694	43	184077	22.240	ug/l #	83
45) 1,2-Dichloropropane	9.753	63	2262	0.687	ug/l #	45
48) Methyl methacrylate	9.747	41	153389	40.896	ug/l #	27
49) 1,4-Dioxane	9.741	88	175	2.739	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	30805	6.275	ug/l #	83
53) t-1,3-Dichloropropene	10.735	75	1050	0.219	ug/l #	77
54) cis-1,3-Dichloropropene	10.365	75	67841	13.021	ug/l #	66
57) 1,3-Dichloropropane	11.206	76	5325	0.978	ug/l #	42
59) 2-Hexanone	11.206	43	63642	17.899	ug/l #	49
74) N-amyl acetate	12.494	43	1835	0.371	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	80336	28.343	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	80336	72.404	ug/l #	15
95) Naphthalene	15.647	128	180	2.606	ug/l #	70

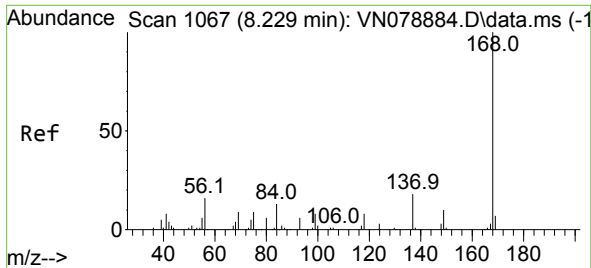
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

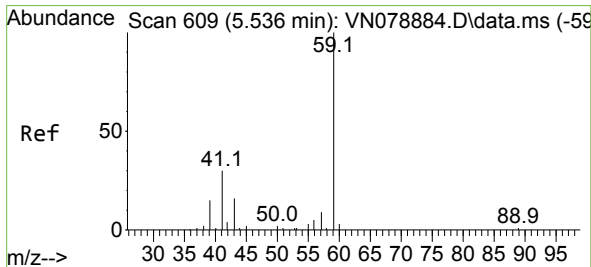
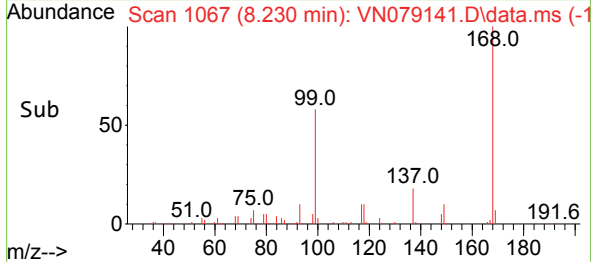
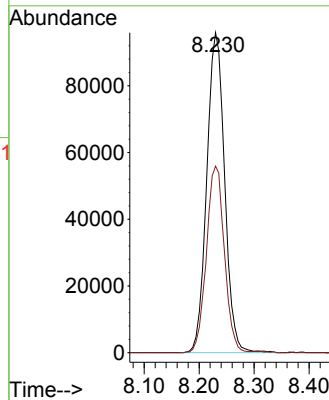
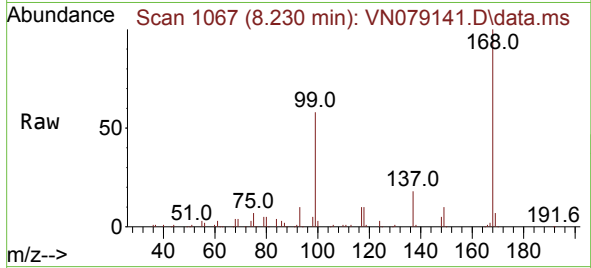




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079141.D
Acq: 02 Sep 2023 14:23

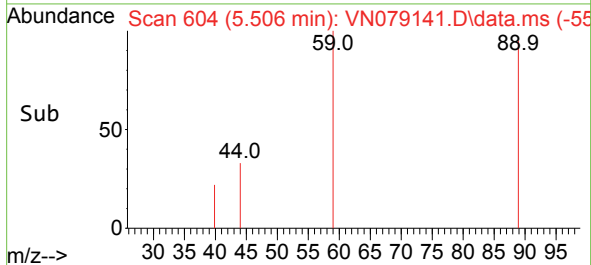
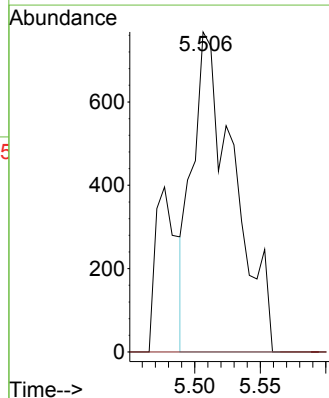
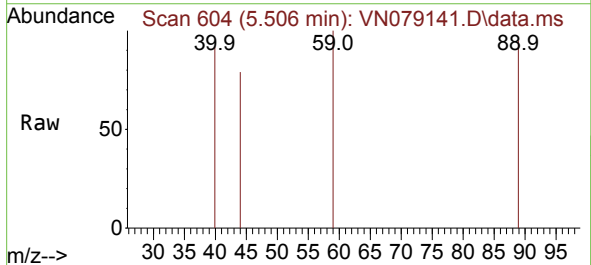
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#03

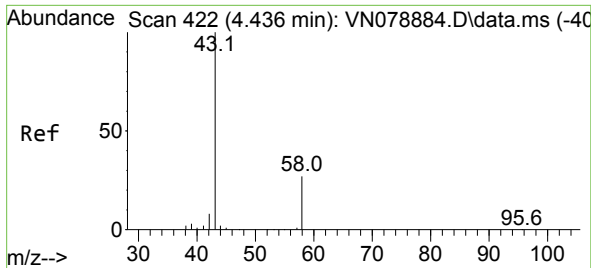
Tgt Ion:168 Resp: 216781
Ion Ratio Lower Upper
168 100
99 58.3 53.0 79.6



#11
Tert butyl alcohol
Concen: 2.971 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.036 min
Lab File: VN079141.D
Acq: 02 Sep 2023 14:23

Tgt Ion: 59 Resp: 1682
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 20.840 ug/l

RT: 4.442 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN079141.D

Acq: 02 Sep 2023 14:23

Instrument :

MSVOA_N

ClientSampleId :

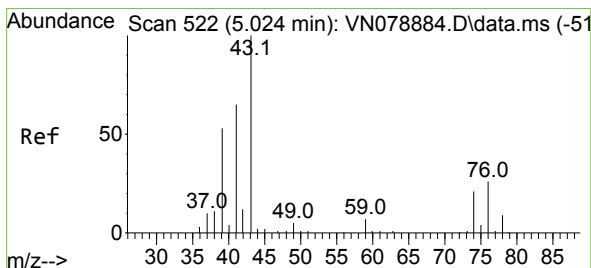
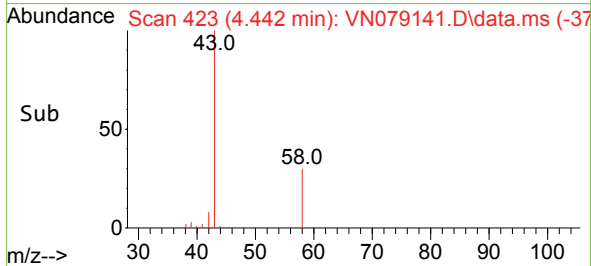
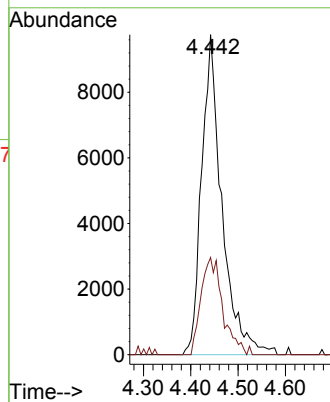
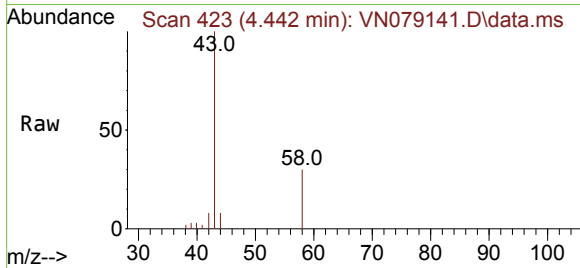
PB155301ZHE#03

Tgt Ion: 43 Resp: 29006

Ion Ratio Lower Upper

43 100

58 30.4 28.0 42.0



#18

Methyl Acetate

Concen: 0.255 ug/l

RT: 5.030 min Scan# 523

Delta R.T. -0.012 min

Lab File: VN079141.D

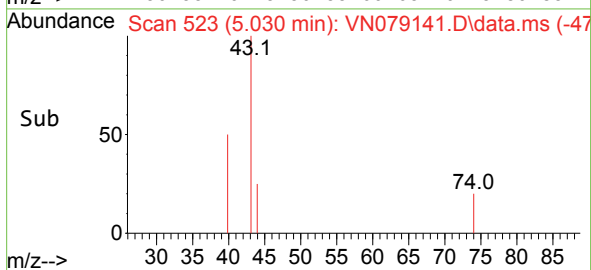
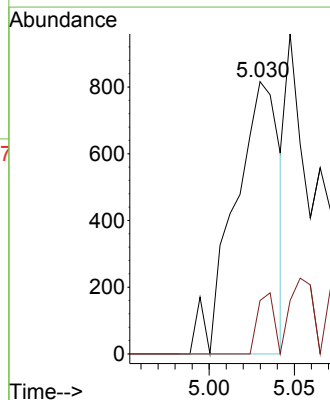
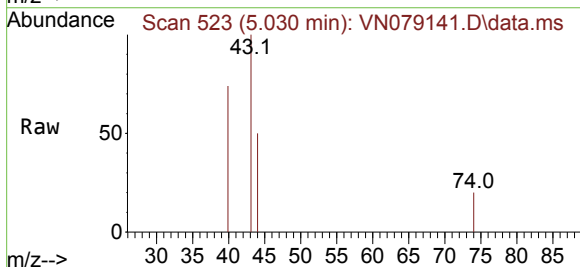
Acq: 02 Sep 2023 14:23

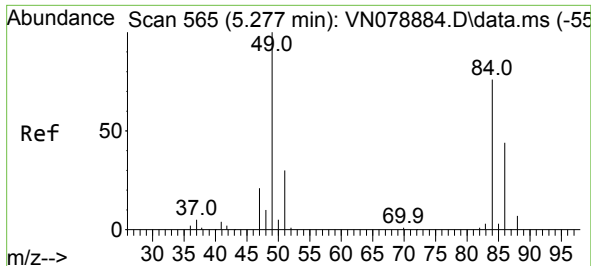
Tgt Ion: 43 Resp: 1499

Ion Ratio Lower Upper

43 100

74 8.1 26.2 39.4#

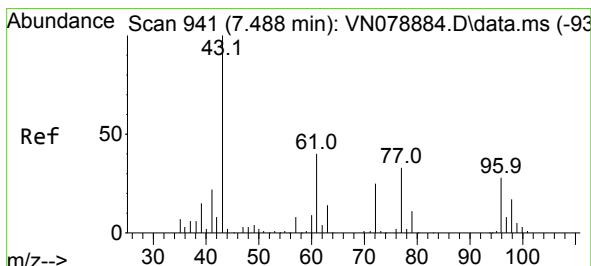
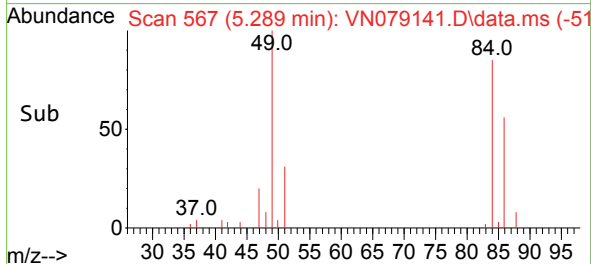
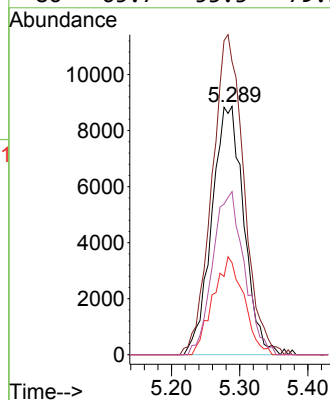
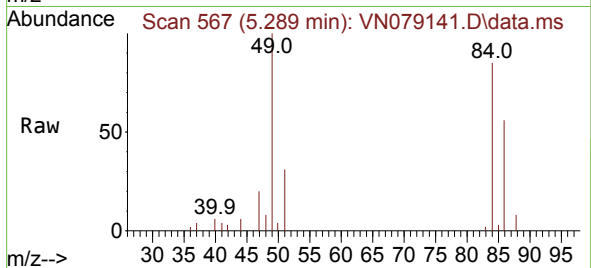




#20
Methylene Chloride
Concen: 9.748 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN079141.D
Acq: 02 Sep 2023 14:23

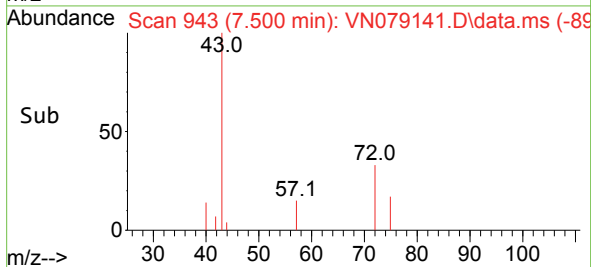
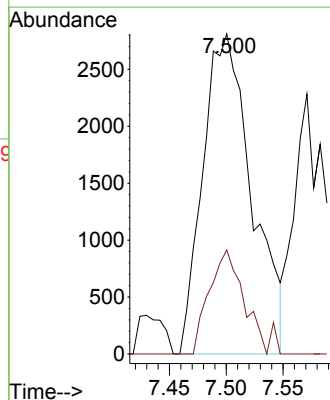
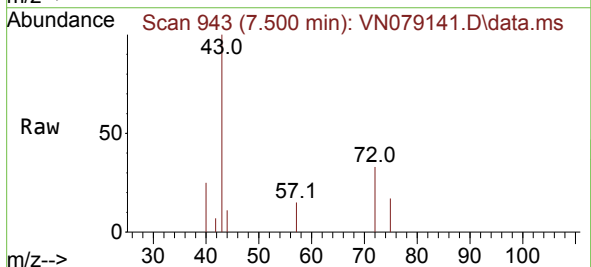
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#03

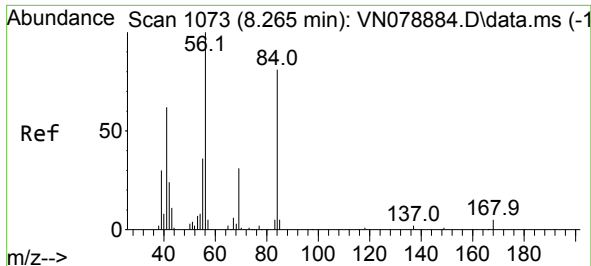
Tgt Ion:	84	Resp:	28913
Ion	Ratio	Lower	Upper
84	100		
49	118.0	79.7	119.5
51	37.0	25.2	37.8
86	65.7	53.3	79.9



#25
2-Butanone
Concen: 3.772 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN079141.D
Acq: 02 Sep 2023 14:23

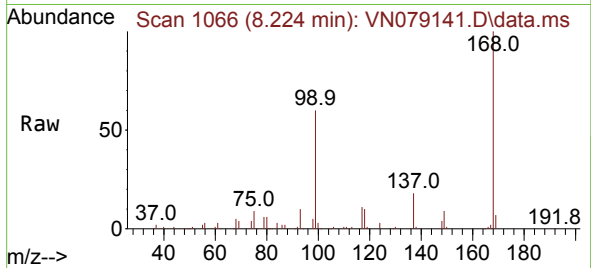
Tgt Ion:	43	Resp:	8418
Ion	Ratio	Lower	Upper
43	100		
72	32.5	30.2	45.2



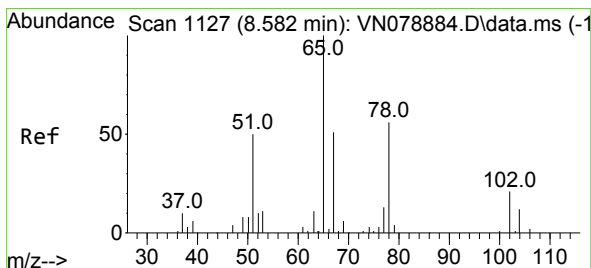
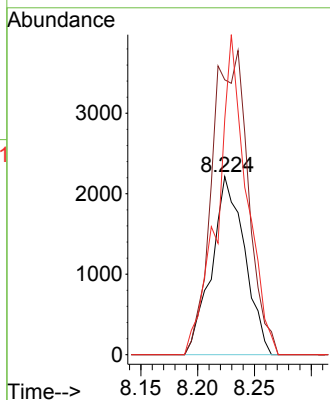
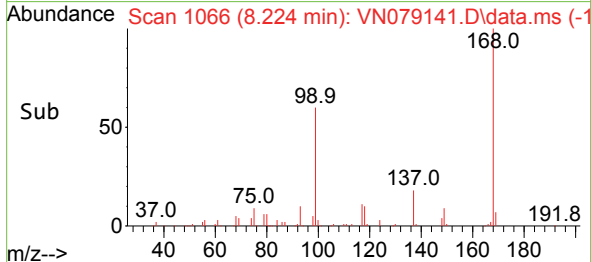


#31
Cyclohexane
Concen: Below Cal
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN079141.D
Acq: 02 Sep 2023 14:23

Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#03

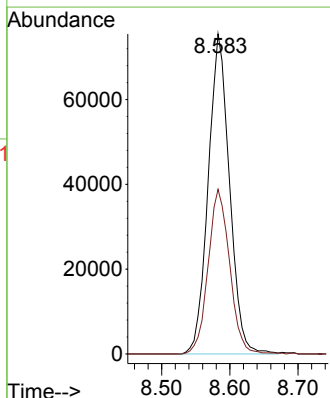
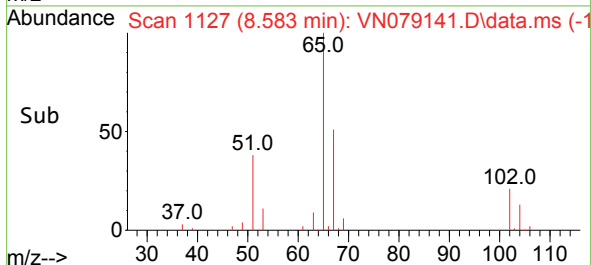
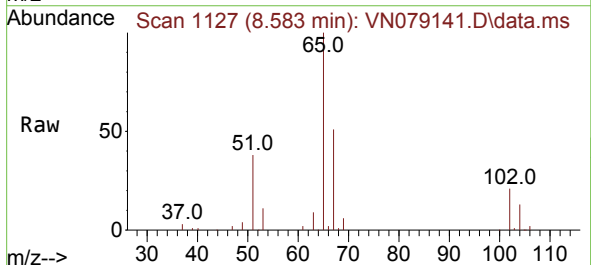


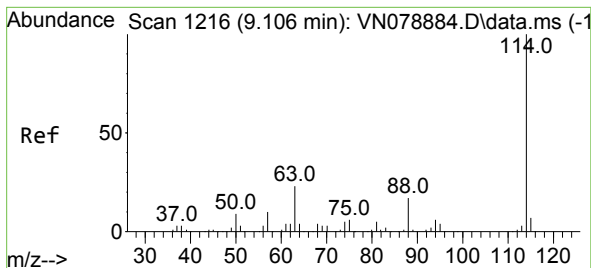
Tgt Ion: 56 Resp: 4476
Ion Ratio Lower Upper
56 100
69 154.3 26.8 40.2#
84 132.2 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 48.630 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079141.D
Acq: 02 Sep 2023 14:23

Tgt Ion: 65 Resp: 164042
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# 11

Delta R.T. -0.006 min

Lab File: VN079141.D

Acq: 02 Sep 2023 14:23

Instrument :

MSVOA_N

ClientSampleId :

PB155301ZHE#03

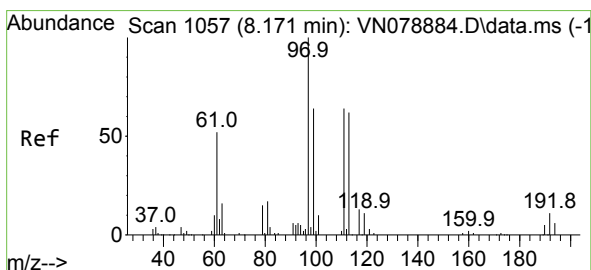
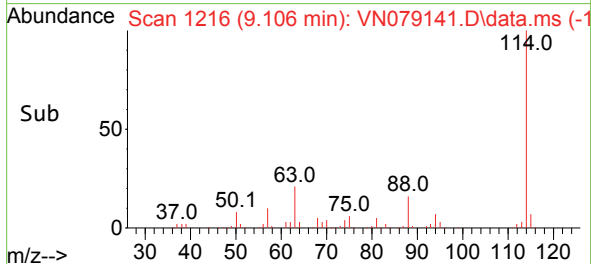
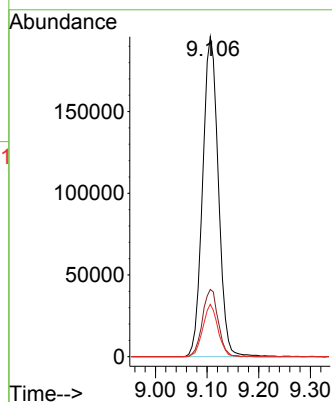
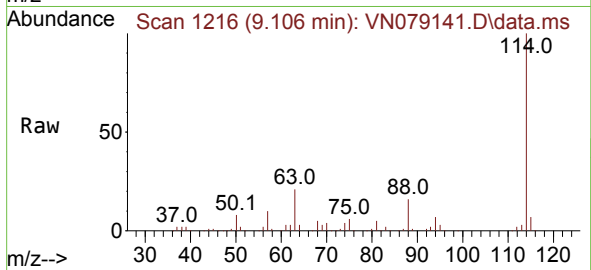
Tgt Ion:114 Resp: 413338

Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.4

88 16.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.609 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079141.D

Acq: 02 Sep 2023 14:23

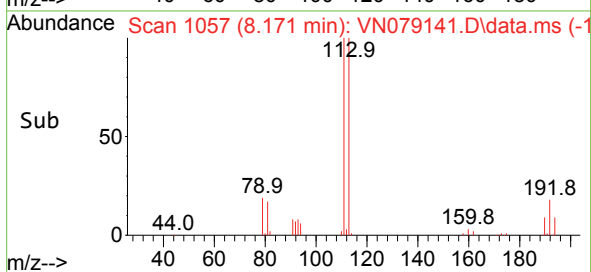
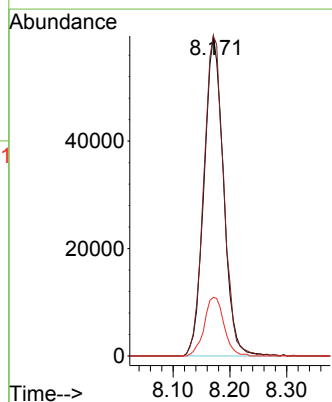
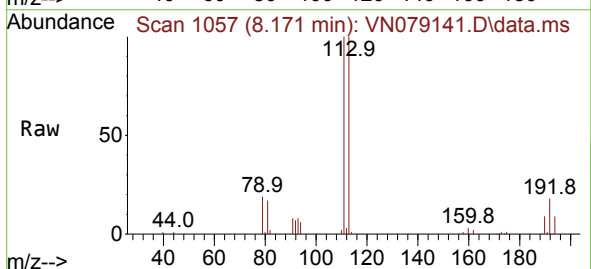
Tgt Ion:113 Resp: 140813

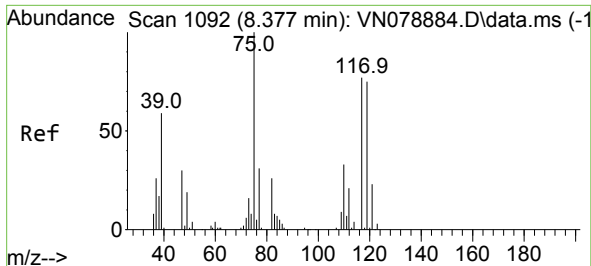
Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

192 18.7 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.135 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.153 min

Lab File: VN079141.D

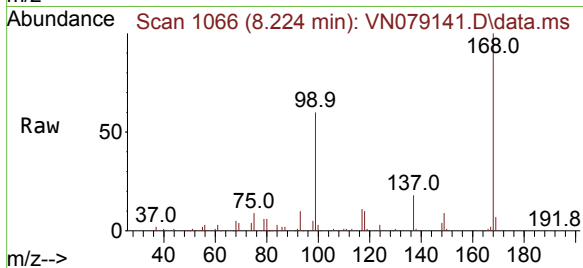
Acq: 02 Sep 2023 14:23

Instrument :

MSVOA_N

ClientSampleId :

PB155301ZHE#03



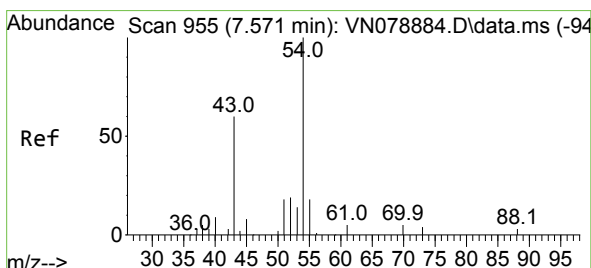
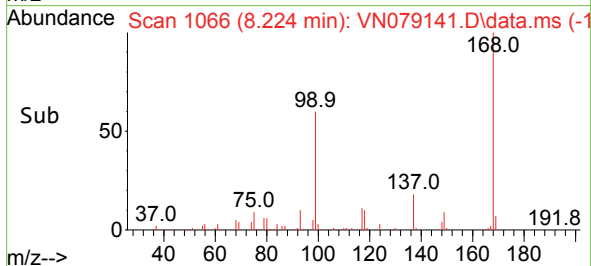
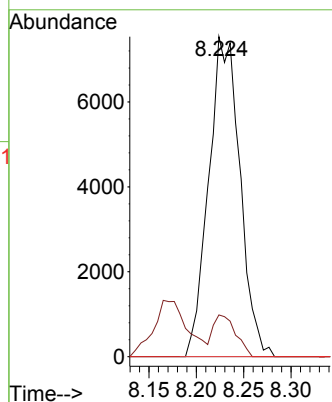
Tgt Ion: 75 Resp: 17306

Ion Ratio Lower Upper

75 100

110 9.4 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.042 ug/l

RT: 7.571 min Scan# 955

Delta R.T. -0.000 min

Lab File: VN079141.D

Acq: 02 Sep 2023 14:23

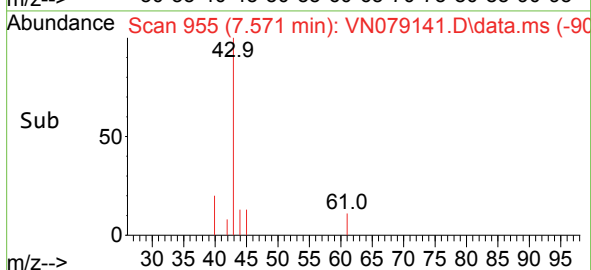
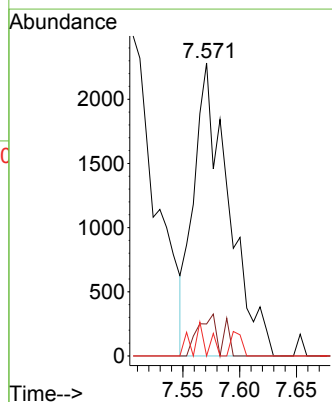
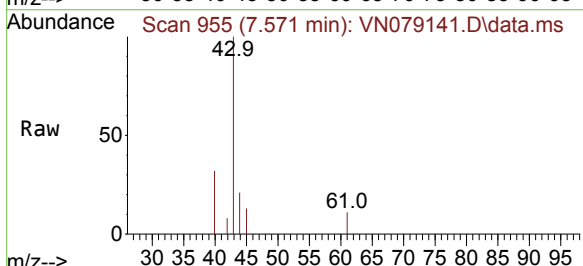
Tgt Ion: 43 Resp: 4879

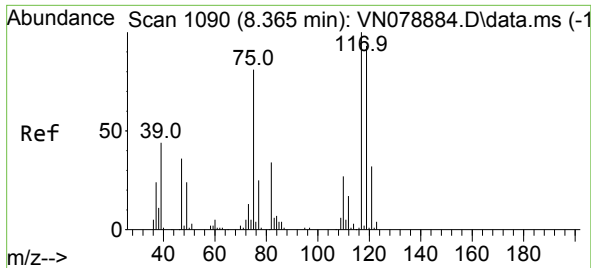
Ion Ratio Lower Upper

43 100

61 9.2 13.2 19.8#

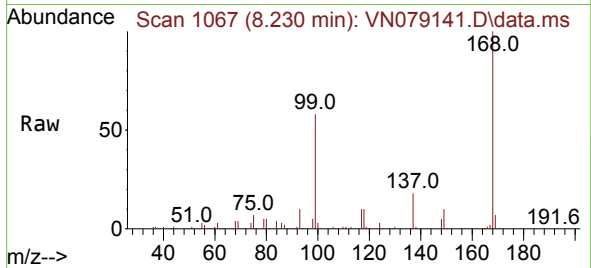
70 3.2 11.3 16.9#



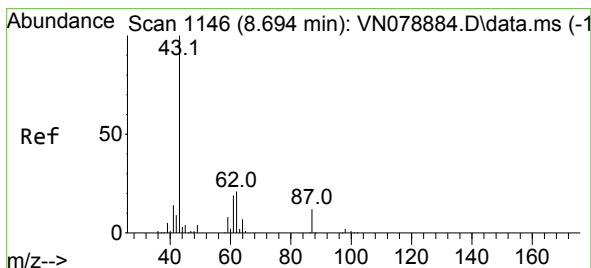
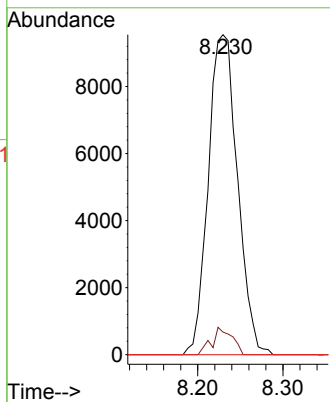
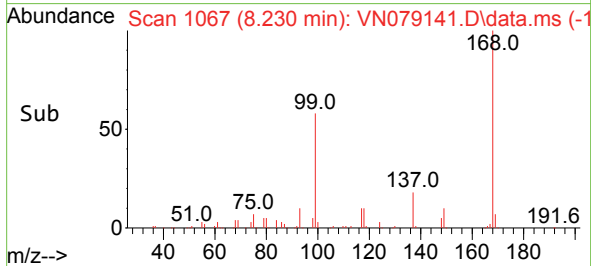


#38
Carbon Tetrachloride
Concen: 5.427 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN079141.D
Acq: 02 Sep 2023 14:23

Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#03

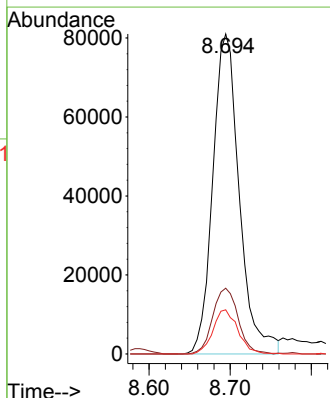
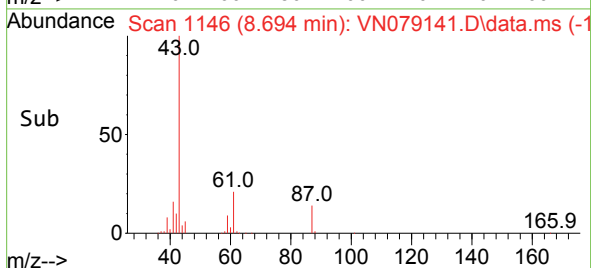
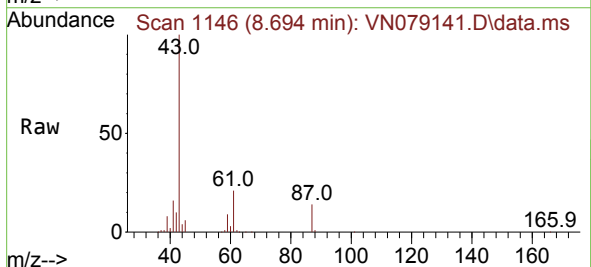


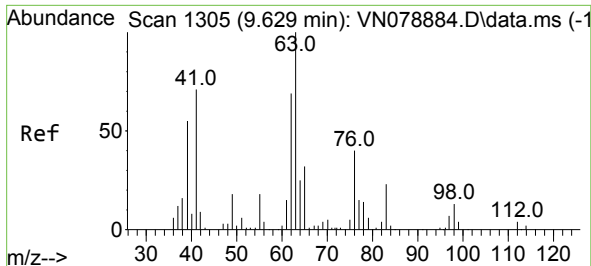
Tgt Ion:117 Resp: 22760
Ion Ratio Lower Upper
117 100
119 7.1 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 22.240 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079141.D
Acq: 02 Sep 2023 14:23

Tgt Ion: 43 Resp: 184077
Ion Ratio Lower Upper
43 100
61 19.6 24.7 37.1#
87 13.0 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.687 ug/l

RT: 9.753 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN079141.D

Acq: 02 Sep 2023 14:23

Instrument :

MSVOA_N

ClientSampleId :

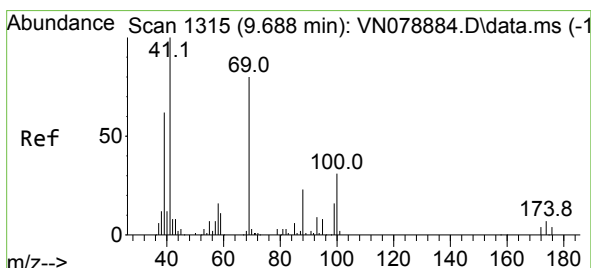
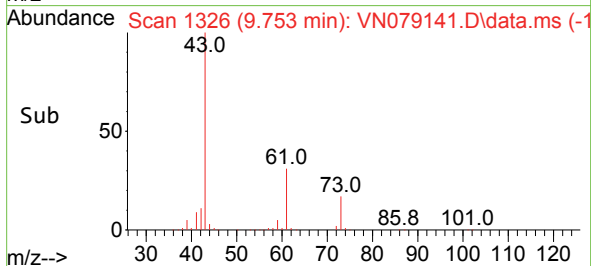
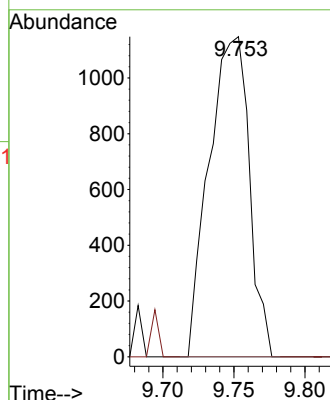
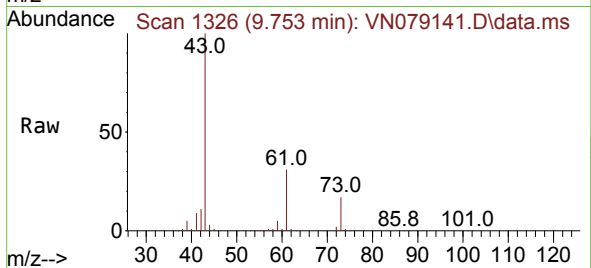
PB155301ZHE#03

Tgt Ion: 63 Resp: 2262

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 40.896 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.059 min

Lab File: VN079141.D

Acq: 02 Sep 2023 14:23

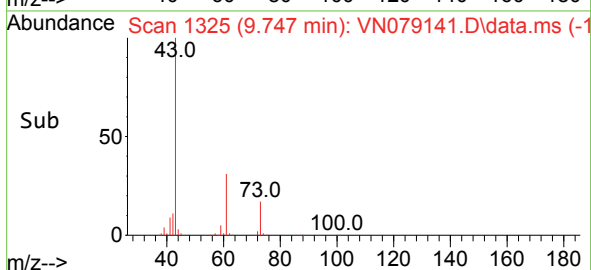
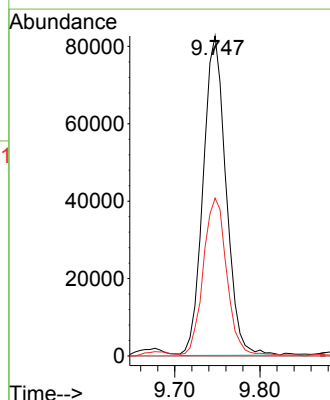
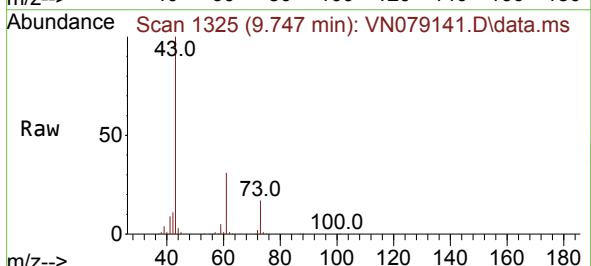
Tgt Ion: 41 Resp: 153389

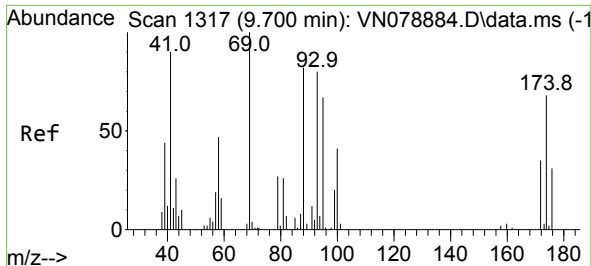
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 51.4 54.6 81.8#





#49

1,4-Dioxane

Concen: 2.739 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.041 min

Lab File: VN079141.D

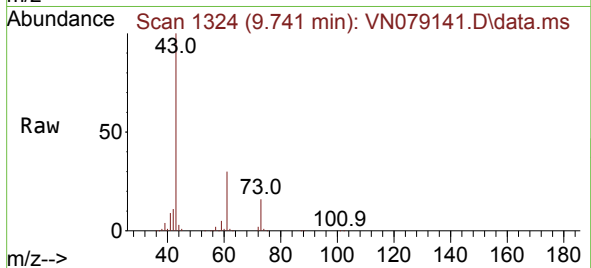
Acq: 02 Sep 2023 14:23

Instrument :

MSVOA_N

ClientSampleId :

PB155301ZHE#03



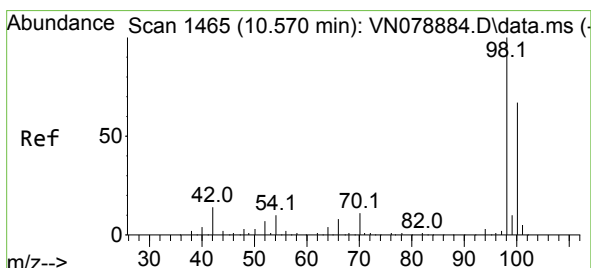
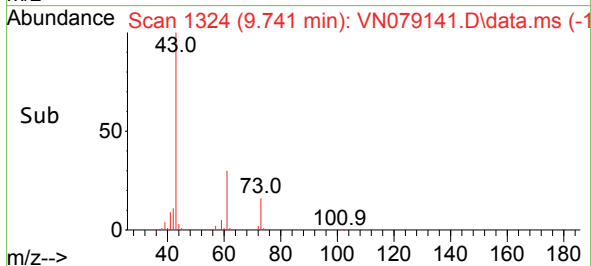
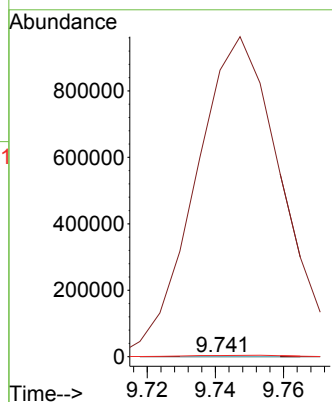
Tgt Ion: 88 Resp: 175

Ion Ratio Lower Upper

88 100

43 985713.7 17.0 25.6#

58 4983.4 47.0 70.4#



#50

Toluene-d8

Concen: 52.004 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079141.D

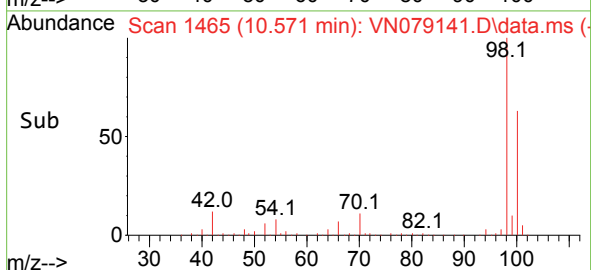
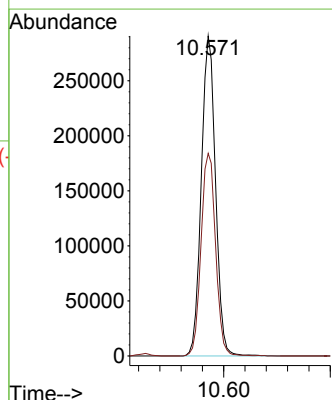
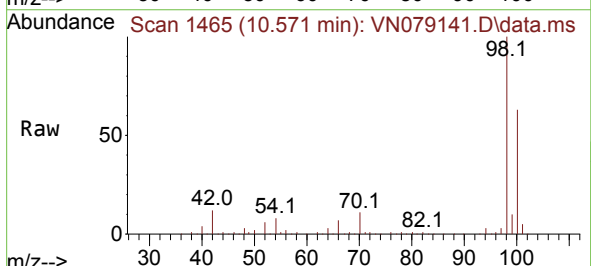
Acq: 02 Sep 2023 14:23

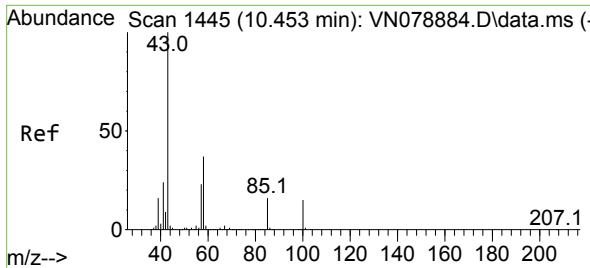
Tgt Ion: 98 Resp: 537268

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0

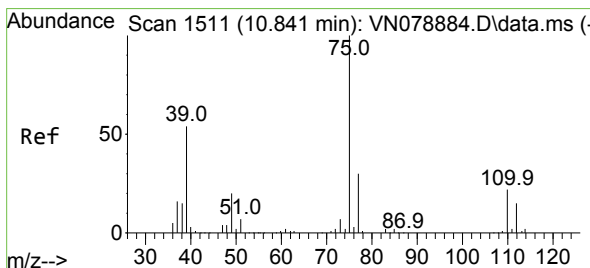
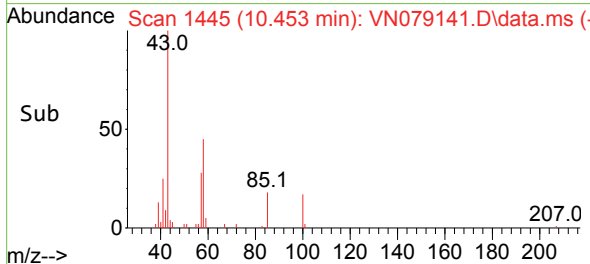
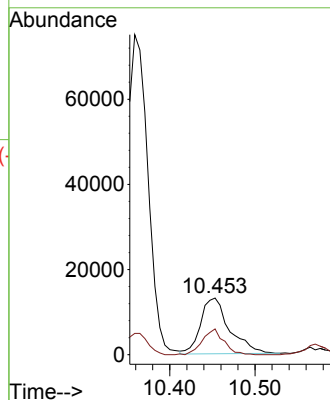
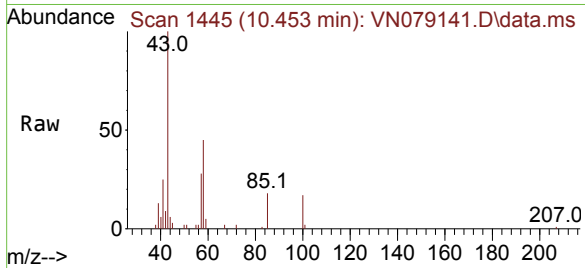




#51
4-Methyl-2-Pentanone
Concen: 6.275 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN079141.D
Acq: 02 Sep 2023 14:23

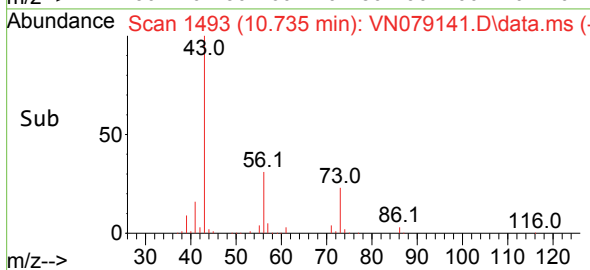
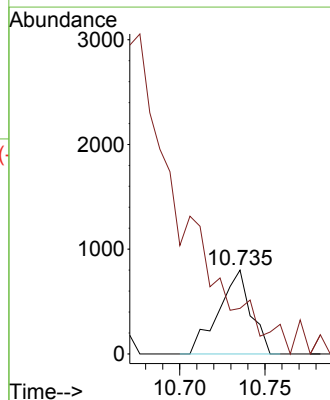
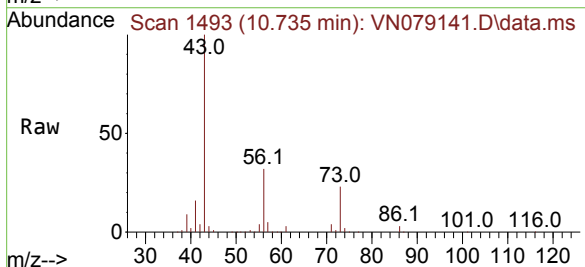
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#03

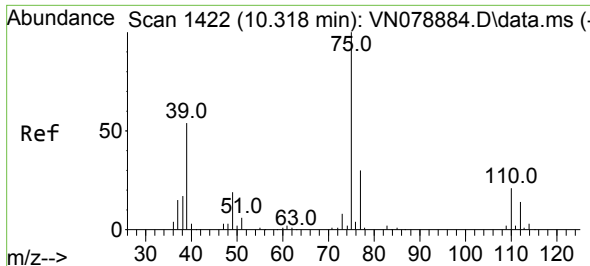
Tgt Ion: 43 Resp: 30805
Ion Ratio Lower Upper
43 100
58 34.3 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.219 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.106 min
Lab File: VN079141.D
Acq: 02 Sep 2023 14:23

Tgt Ion: 75 Resp: 1050
Ion Ratio Lower Upper
75 100
77 19.1 25.4 38.0#

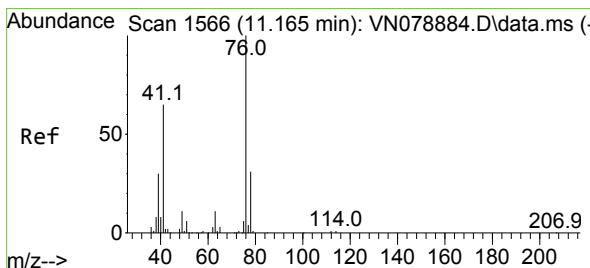
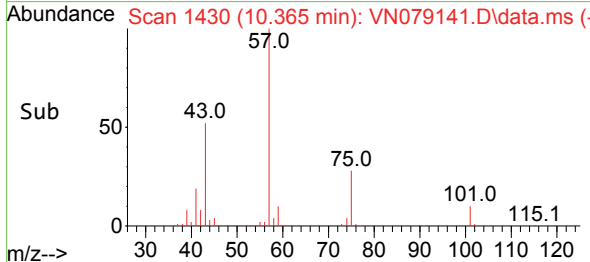
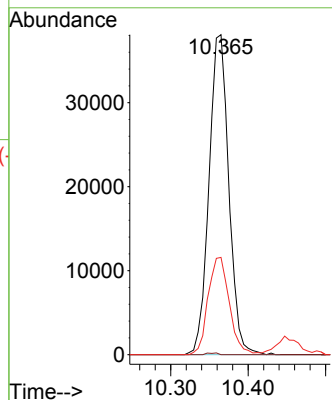
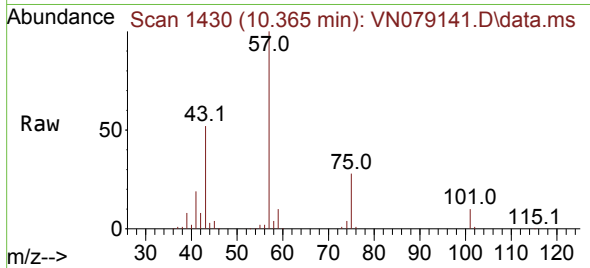




#54
 cis-1,3-Dichloropropene
 Concen: 13.021 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN079141.D
 Acq: 02 Sep 2023 14:23

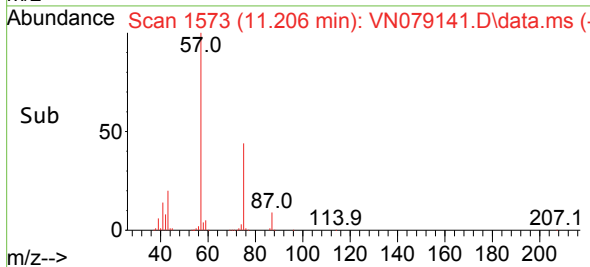
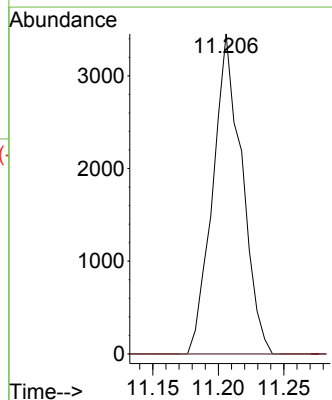
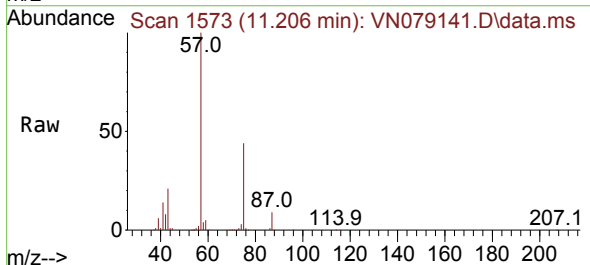
Instrument :
 MSVOA_N
 ClientSampleId :
 PB155301ZHE#03

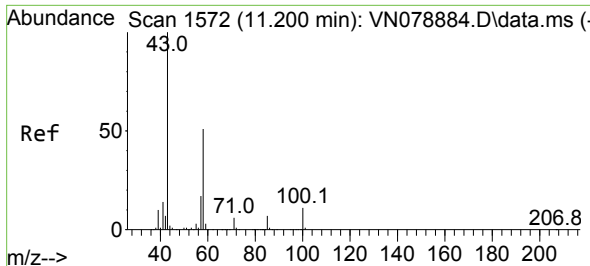
Tgt Ion: 75 Resp: 67841
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 30.4 31.6 47.4#



#57
 1,3-Dichloropropane
 Concen: 0.978 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.041 min
 Lab File: VN079141.D
 Acq: 02 Sep 2023 14:23

Tgt Ion: 76 Resp: 5325
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

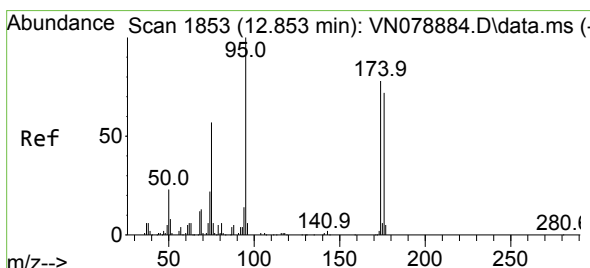
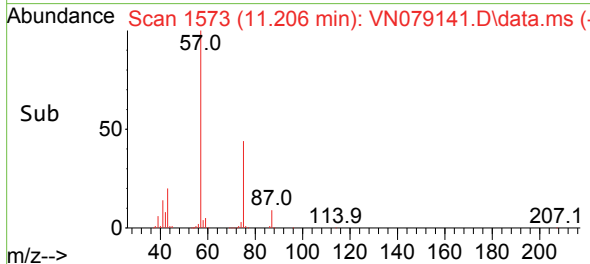
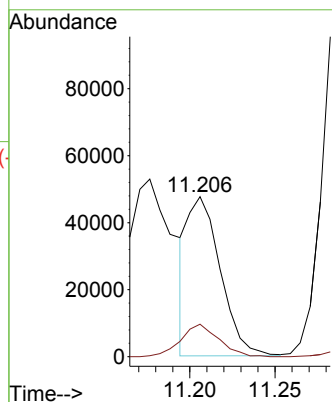
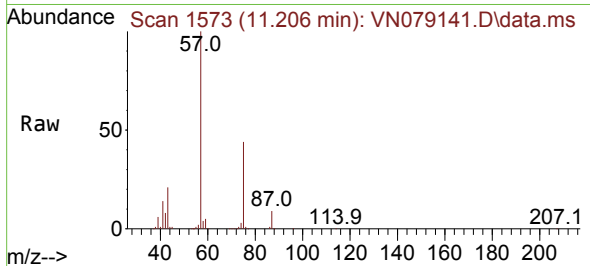




#59
2-Hexanone
Concen: 17.899 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079141.D
Acq: 02 Sep 2023 14:23

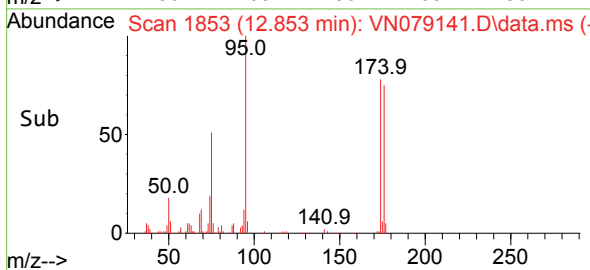
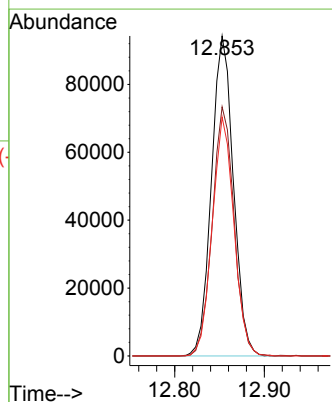
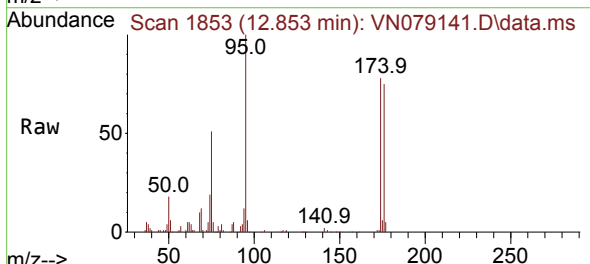
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#03

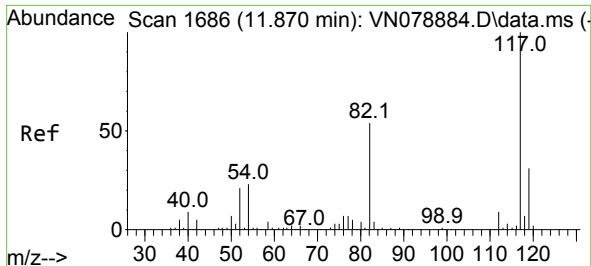
Tgt Ion: 43 Resp: 63642
Ion Ratio Lower Upper
43 100
58 23.6 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 47.341 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079141.D
Acq: 02 Sep 2023 14:23

Tgt Ion: 95 Resp: 159863
Ion Ratio Lower Upper
95 100
174 77.3 0.0 143.8
176 74.0 0.0 135.8

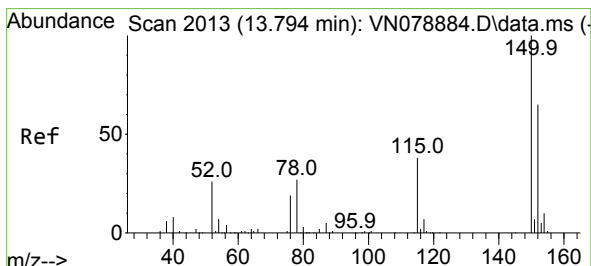
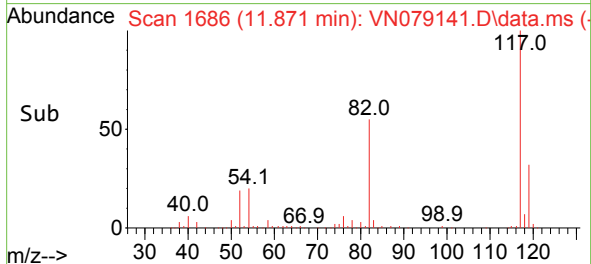
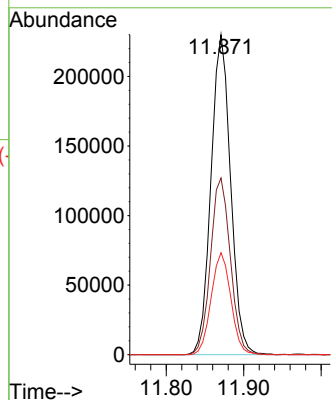
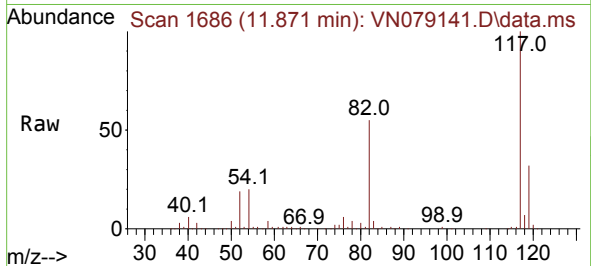




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079141.D
Acq: 02 Sep 2023 14:23

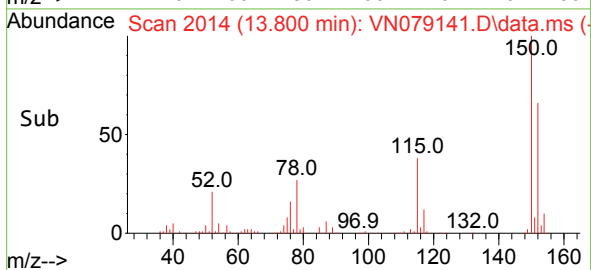
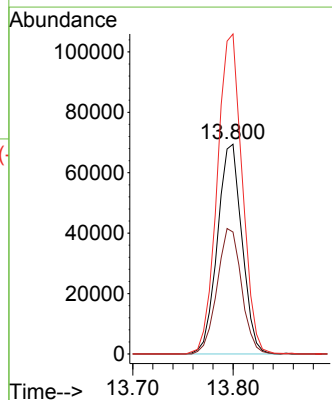
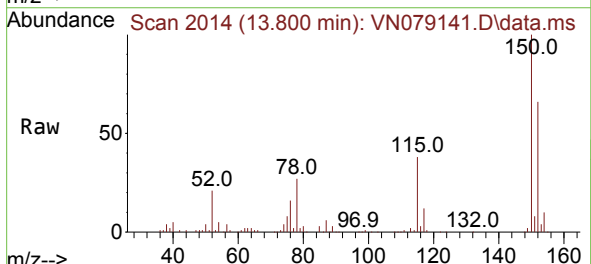
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#03

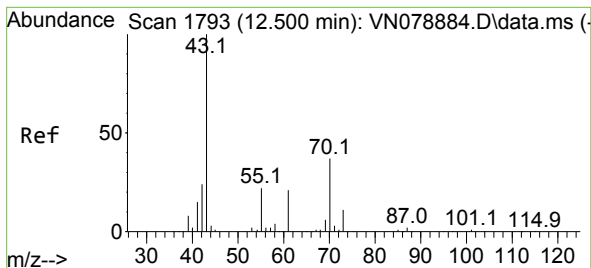
Tgt Ion:117 Resp: 405596
Ion Ratio Lower Upper
117 100
82 55.2 44.0 66.0
119 31.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.006 min
Lab File: VN079141.D
Acq: 02 Sep 2023 14:23

Tgt Ion:152 Resp: 117634
Ion Ratio Lower Upper
152 100
115 59.6 32.3 96.8
150 155.6 0.0 355.8





#74

N-amy1 acetate

Concen: 0.371 ug/l

RT: 12.494 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN079141.D

Acq: 02 Sep 2023 14:23

Instrument :

MSVOA_N

ClientSampleId :

PB155301ZHE#03

Tgt Ion: 43 Resp: 1835

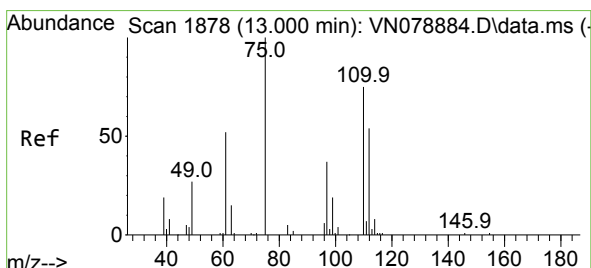
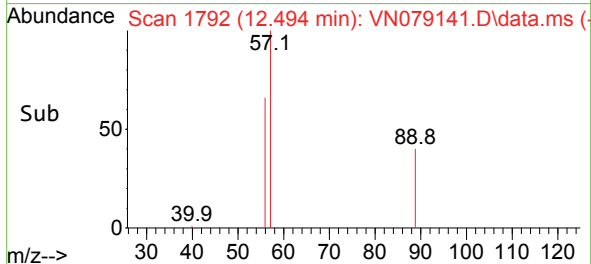
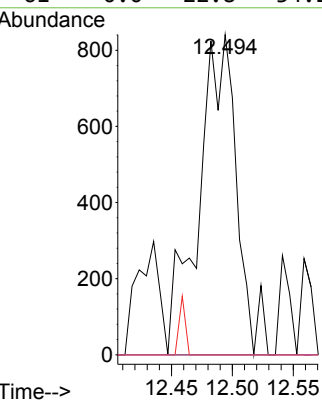
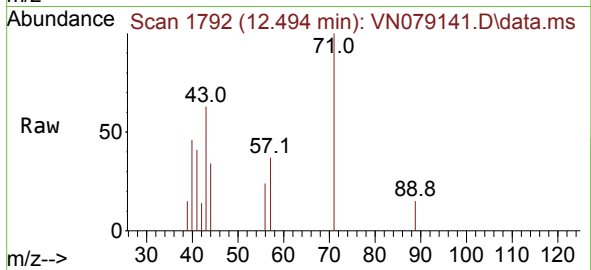
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 0.0 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 28.343 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079141.D

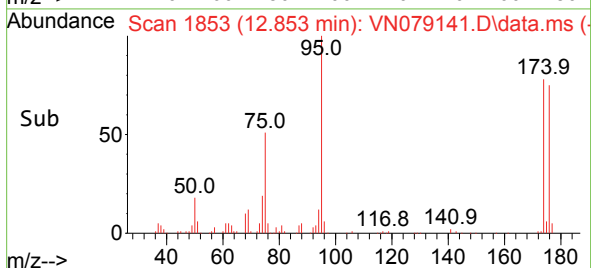
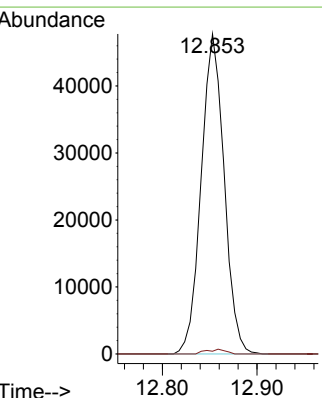
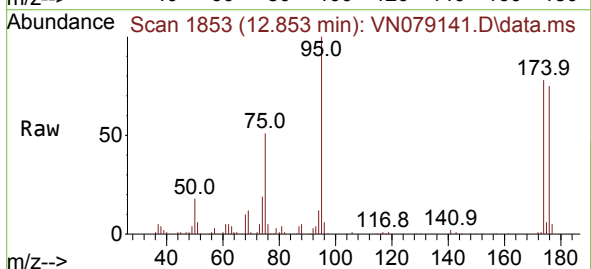
Acq: 02 Sep 2023 14:23

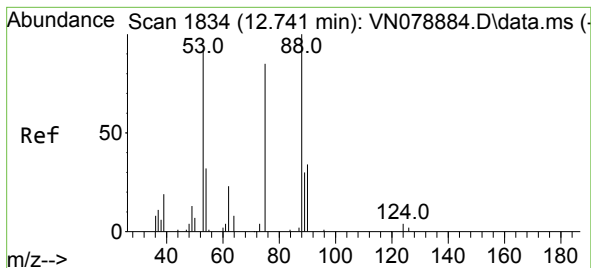
Tgt Ion: 75 Resp: 80336

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#

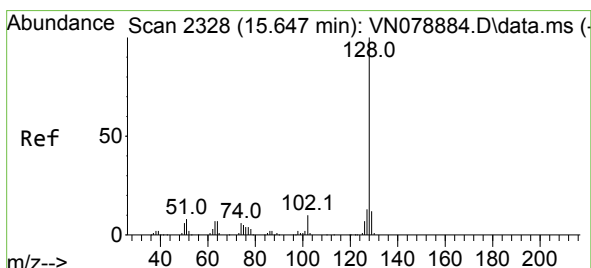
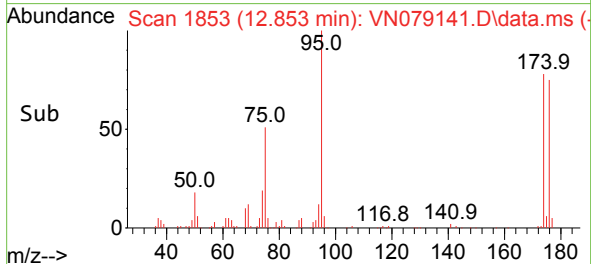
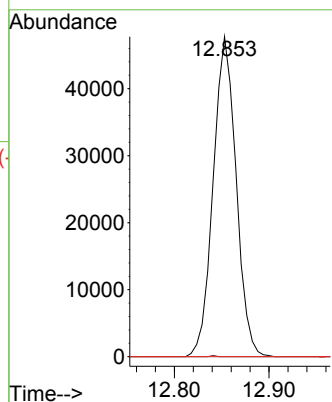
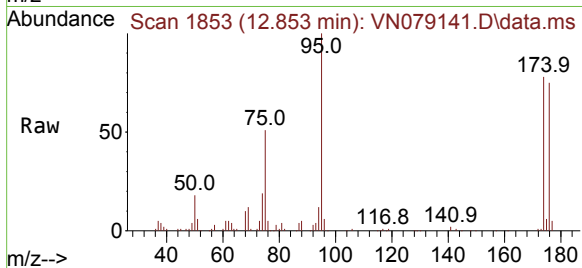




#81
trans-1,4-Dichloro-2-butene
Concen: 72.404 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079141.D
Acq: 02 Sep 2023 14:23

Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#03

Tgt Ion: 75 Resp: 80336
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 2.606 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN079141.D
Acq: 02 Sep 2023 14:23

Tgt Ion:128 Resp: 180
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

