

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081623\
 Data File : VN078901.D
 Acq On : 16 Aug 2023 14:28
 Operator : JC\MD
 Sample : PB154855ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB154855ZHE#04

Quant Time: Aug 17 01:16:32 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)

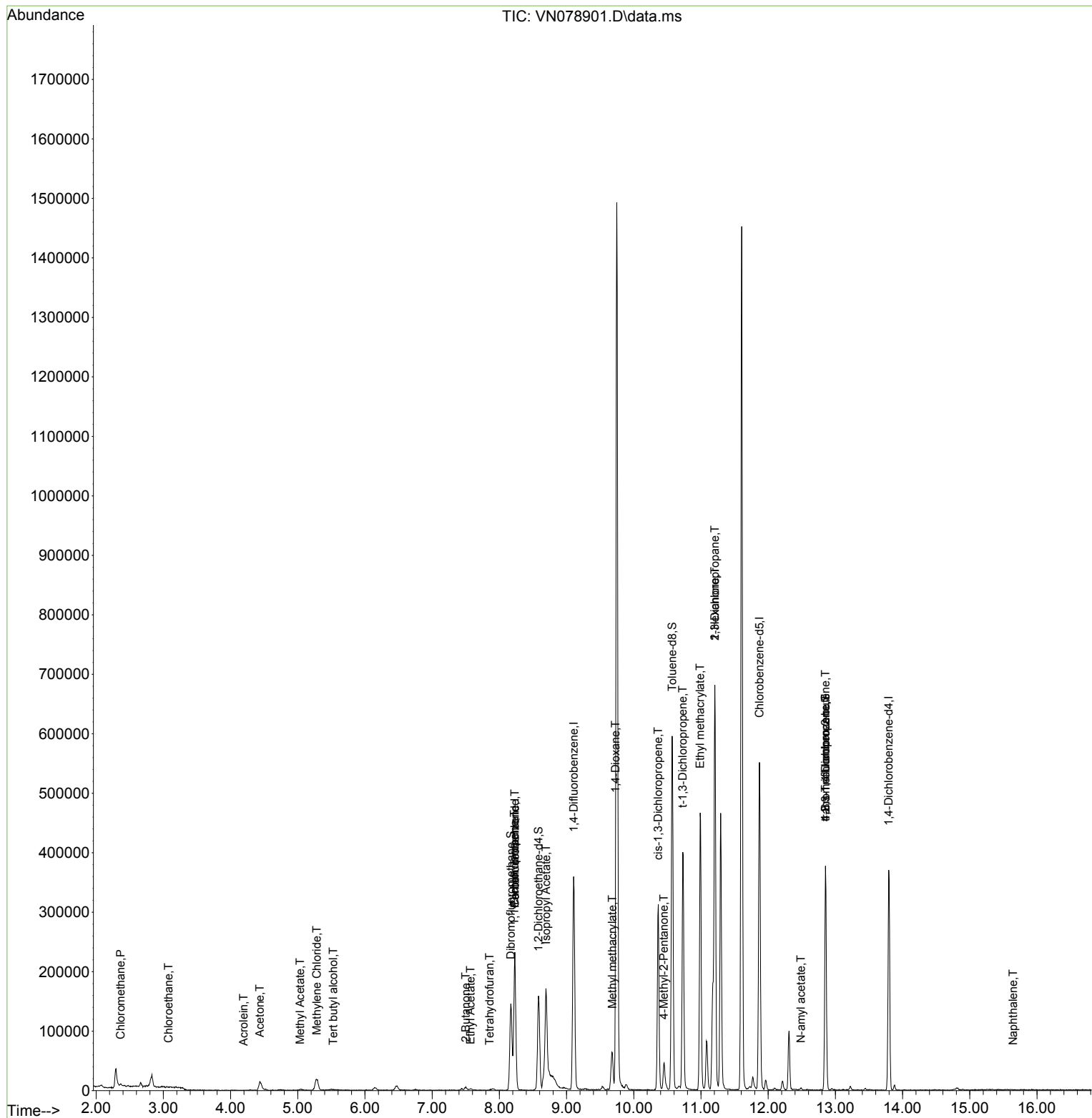
Internal Standards						
1) Pentafluorobenzene	8.230	168	150701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	304646	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	299551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	93428	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	130551	55.671	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.340%			
35) Dibromofluoromethane	8.171	113	102752	50.105	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.220%			
50) Toluene-d8	10.571	98	392612	51.561	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.120%			
62) 4-Bromofluorobenzene	12.853	95	121249	48.716	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.440%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	1514	0.519	ug/l	99
6) Chloroethane	3.077	64	698	0.390	ug/l #	43
11) Tert butyl alcohol	5.530	59	127	0.323	ug/l #	72
13) Acrolein	4.195	56	55	7.059	ug/l #	16
16) Acetone	4.436	43	28087	29.028	ug/l #	75
18) Methyl Acetate	5.036	43	2387	0.584	ug/l #	86
20) Methylene Chloride	5.283	84	13670	6.629	ug/l #	73
25) 2-Butanone	7.500	43	8172	5.268	ug/l #	78
29) Tetrahydrofuran	7.853	42	502	0.489	ug/l #	29
31) Cyclohexane	8.230	56	4572	Below Cal	#	67
36) 1,1-Dichloropropene	8.224	75	13971	4.529	ug/l #	48
37) Ethyl Acetate	7.571	43	3708	1.074	ug/l #	81
38) Carbon Tetrachloride	8.230	117	17461	5.649	ug/l #	16
43) Isopropyl Acetate	8.694	43	220428	36.133	ug/l #	72
48) Methyl methacrylate	9.682	41	4731	1.711	ug/l #	32
49) 1,4-Dioxane	9.729	88	91	1.933	ug/l #	30
51) 4-Methyl-2-Pentanone	10.447	43	35456	9.799	ug/l #	82
53) t-1,3-Dichloropropene	10.729	75	1080	0.306	ug/l	92
54) cis-1,3-Dichloropropene	10.365	75	48130	12.533	ug/l #	71
56) Ethyl methacrylate	10.988	69	1757	0.505	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6717	1.673	ug/l #	42
59) 2-Hexanone	11.206	43	93342	35.618	ug/l #	45
74) N-amyl acetate	12.488	43	1709	0.435	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	68693	30.514	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	68693	77.951	ug/l #	15
95) Naphthalene	15.647	128	268	2.634	ug/l #	70

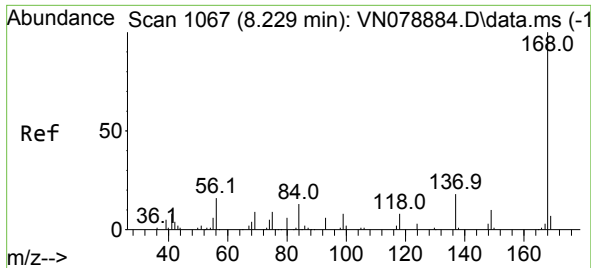
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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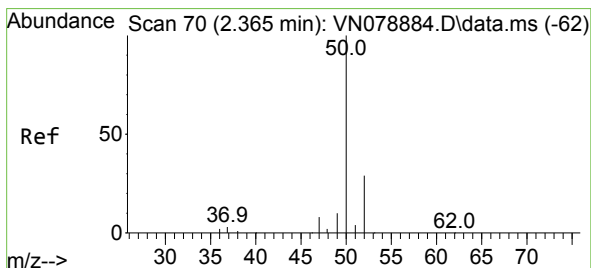
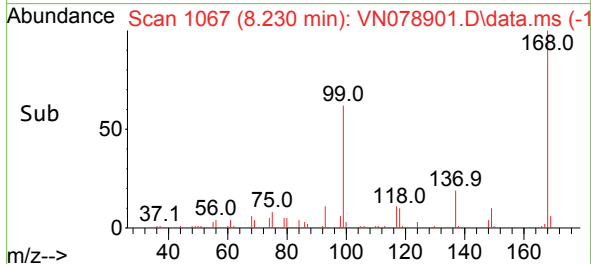
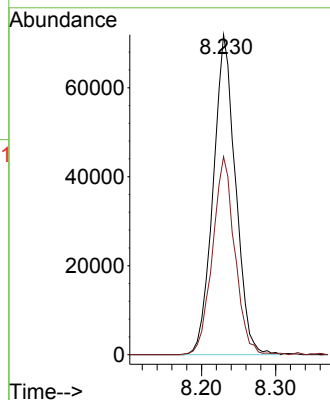
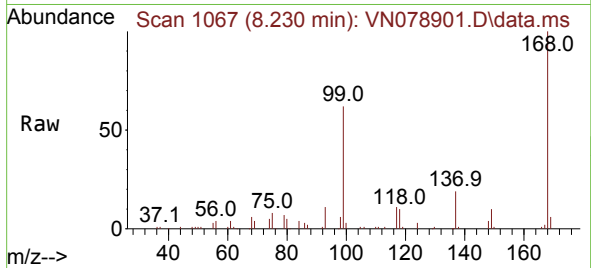




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

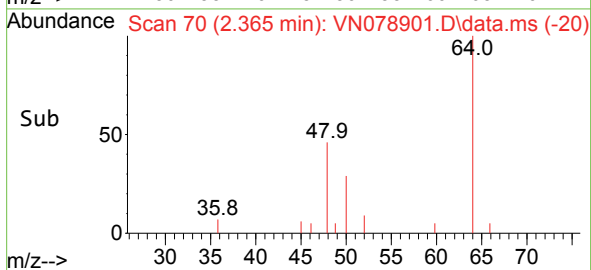
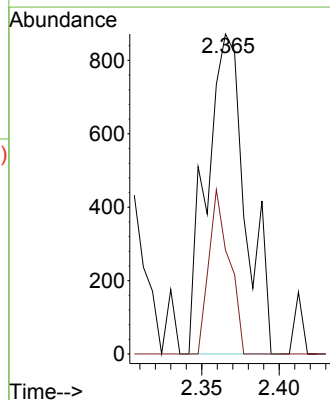
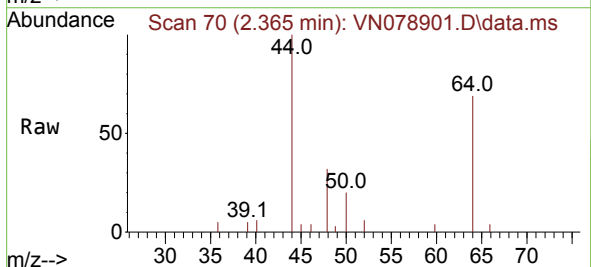
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#04

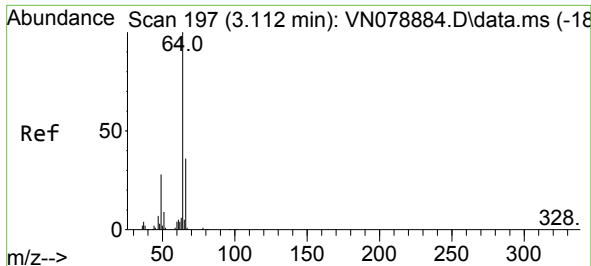
Tgt Ion:168 Resp: 150701
Ion Ratio Lower Upper
168 100
99 61.9 53.0 79.6



#3
Chloromethane
Concen: 0.519 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

Tgt Ion: 50 Resp: 1514
Ion Ratio Lower Upper
50 100
52 32.5 26.5 39.7

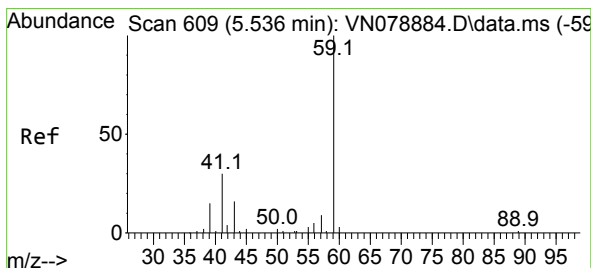
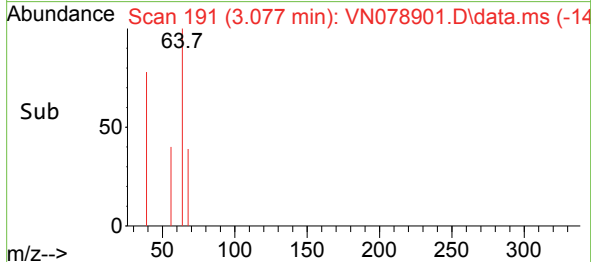
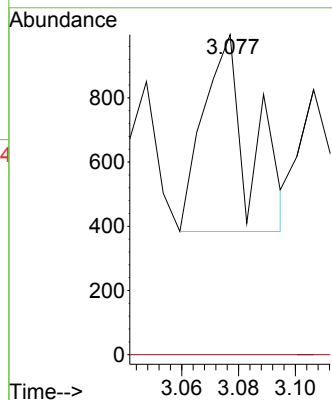
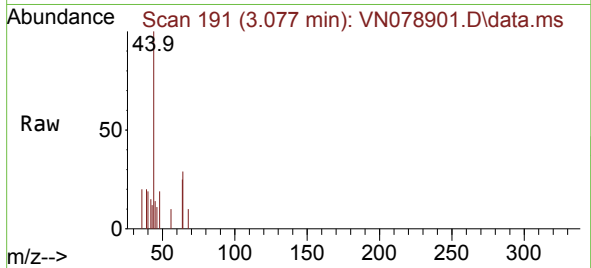




#6
Chloroethane
Concen: 0.390 ug/l
RT: 3.077 min Scan# 197
Delta R.T. -0.041 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

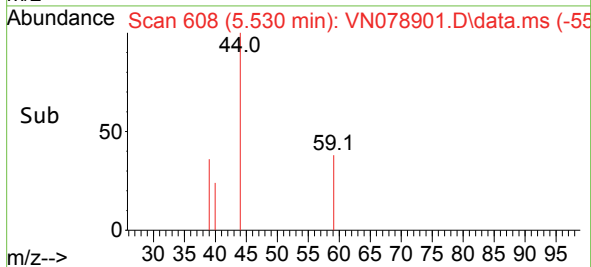
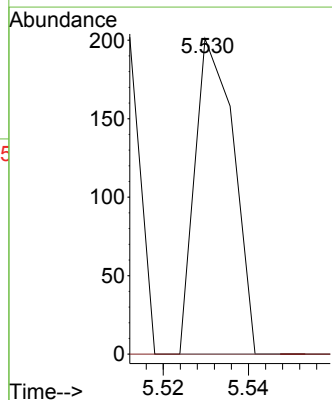
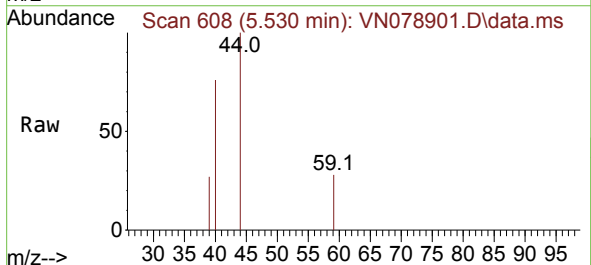
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#04

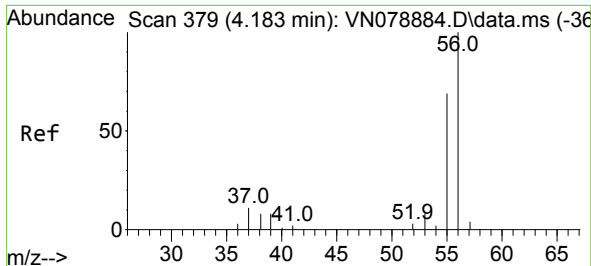
Tgt Ion: 64 Resp: 698
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.323 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.012 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

Tgt Ion: 59 Resp: 127
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

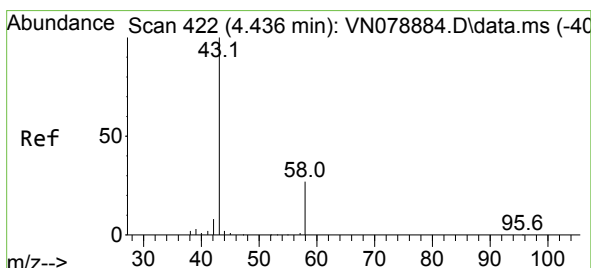
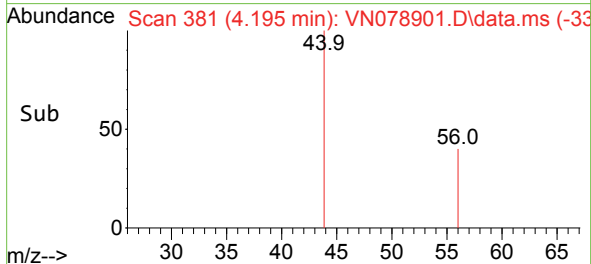
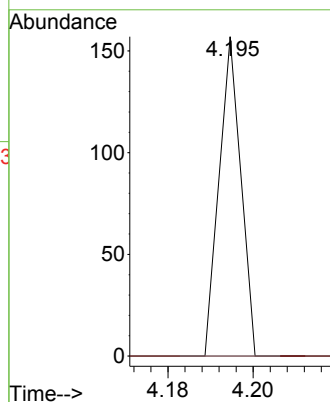
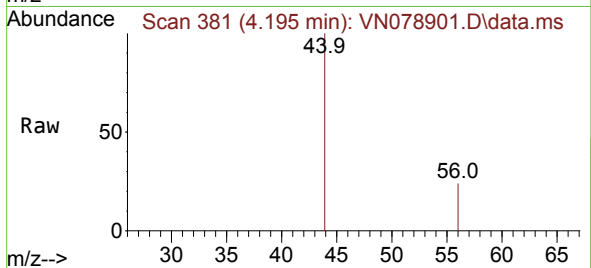




#13
Acrolein
Concen: 7.059 ug/l
RT: 4.195 min Scan# 381
Delta R.T. -0.000 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

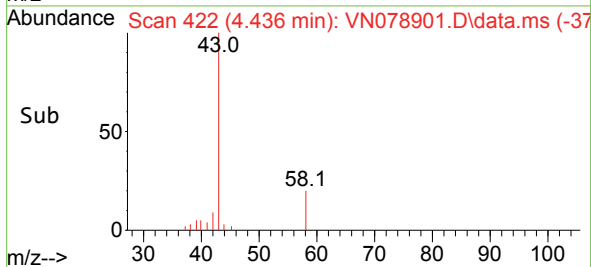
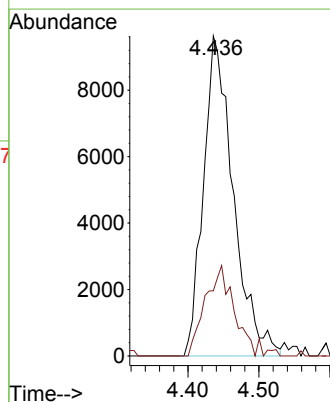
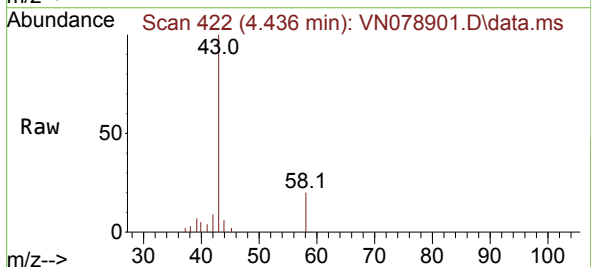
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#04

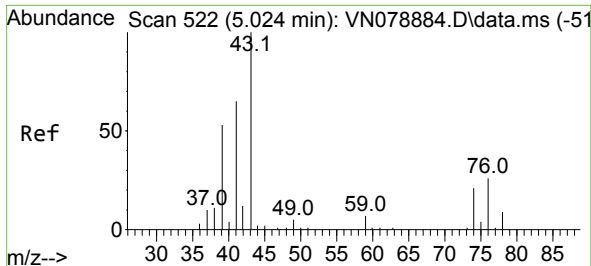
Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 29.028 ug/l
RT: 4.436 min Scan# 422
Delta R.T. -0.006 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

Tgt Ion: 43 Resp: 28087
Ion Ratio Lower Upper
43 100
58 20.4 28.0 42.0#

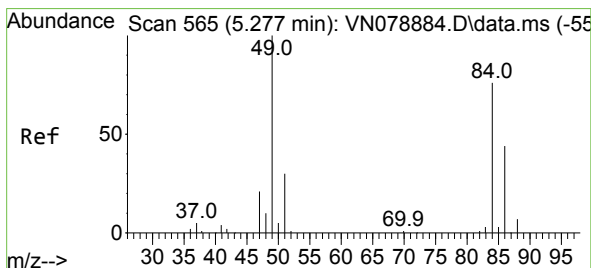
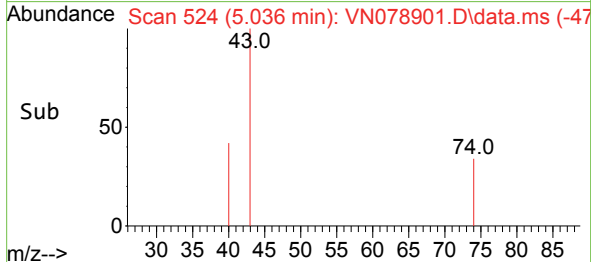
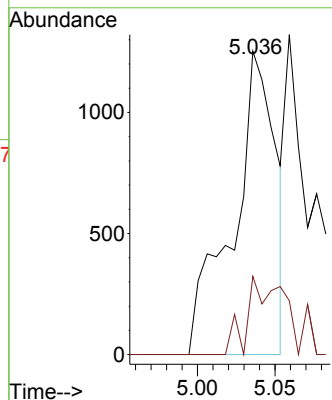
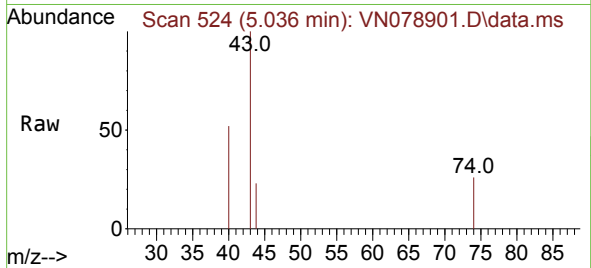




#18
Methyl Acetate
Concen: 0.584 ug/l
RT: 5.036 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

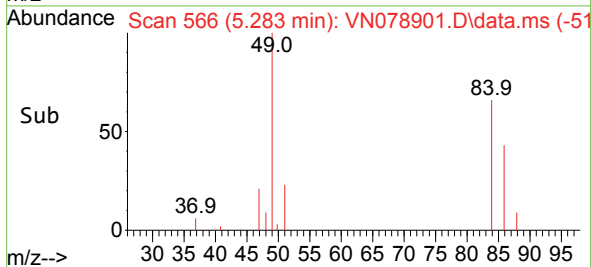
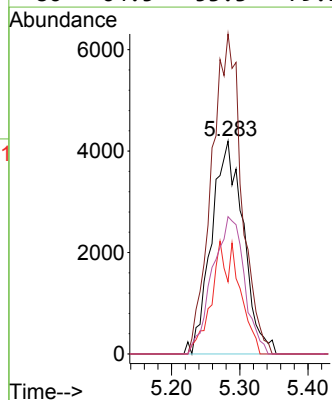
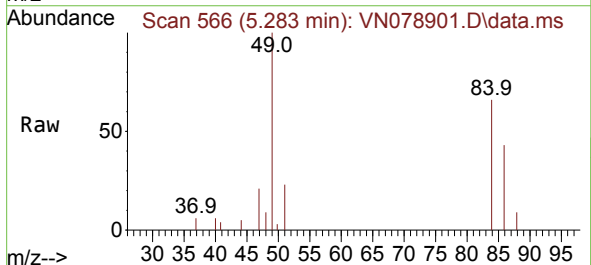
Instrument :
MSVOA_N
ClientSampleId :
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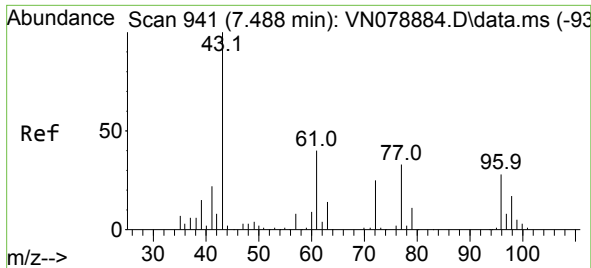
Tgt Ion: 43 Resp: 2387
Ion Ratio Lower Upper
43 100
74 24.7 26.2 39.4#



#20
Methylene Chloride
Concen: 6.629 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

Tgt Ion: 84 Resp: 13670
Ion Ratio Lower Upper
84 100
49 150.4 79.7 119.5#
51 33.9 25.2 37.8
86 64.5 53.3 79.9

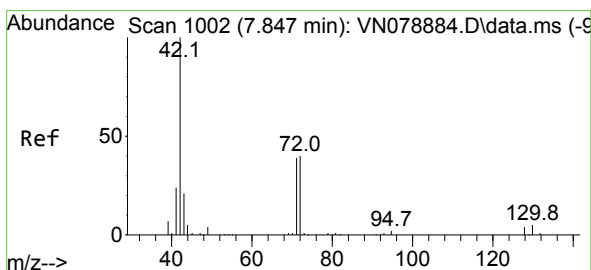
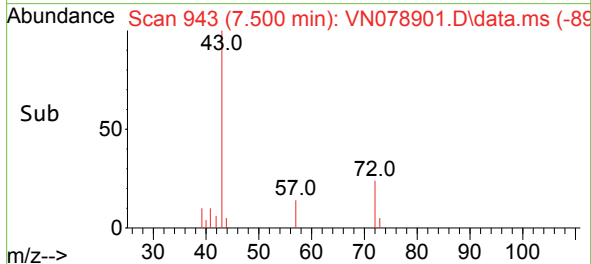
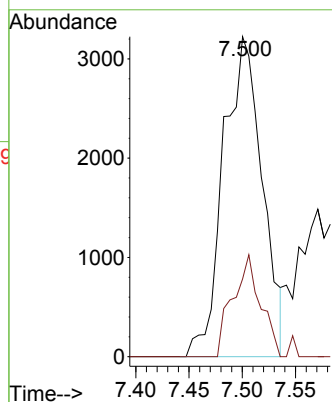
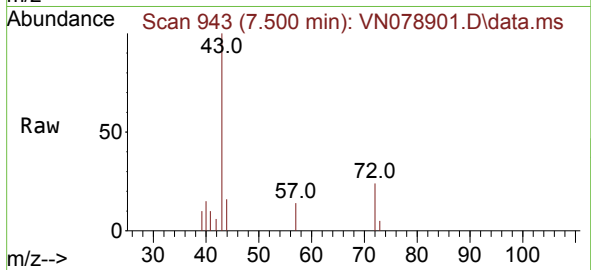




#25
2-Butanone
Concen: 5.268 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

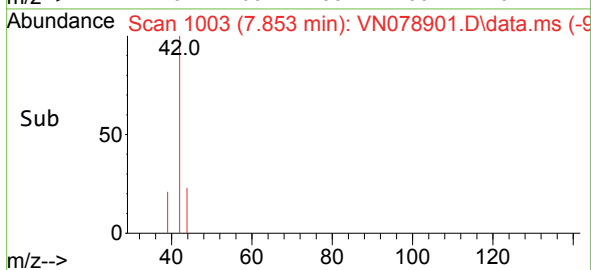
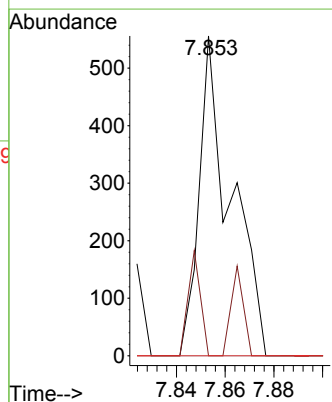
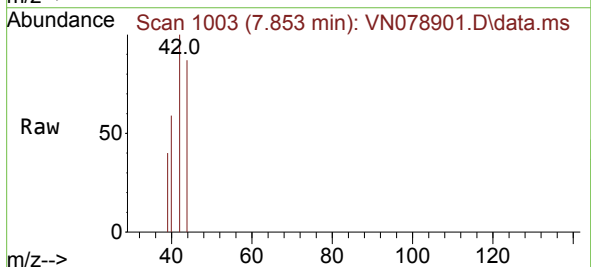
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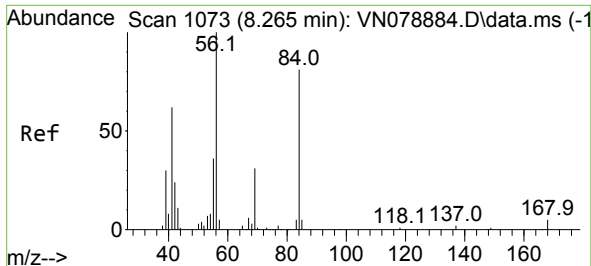
Tgt Ion: 43 Resp: 8172
Ion Ratio Lower Upper
43 100
72 24.3 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.489 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

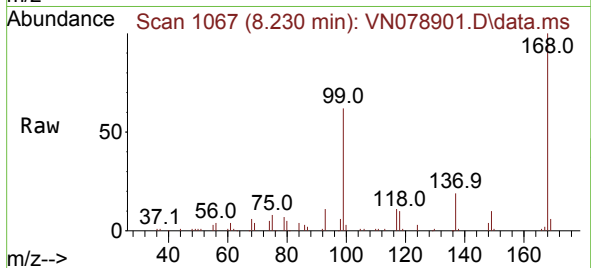
Tgt Ion: 42 Resp: 502
Ion Ratio Lower Upper
42 100
72 12.9 49.8 74.6#
71 0.0 47.4 71.2#



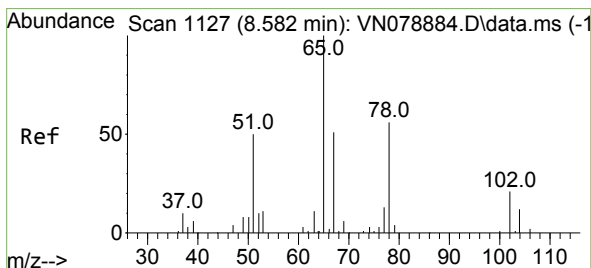
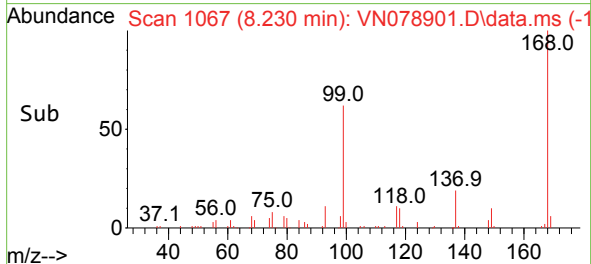
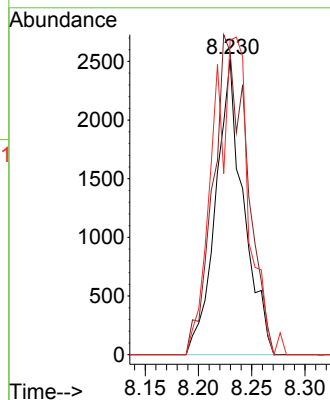


#31
Cyclohexane
Concen: Below Cal
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

Instrument :
MSVOA_N
ClientSampleId :
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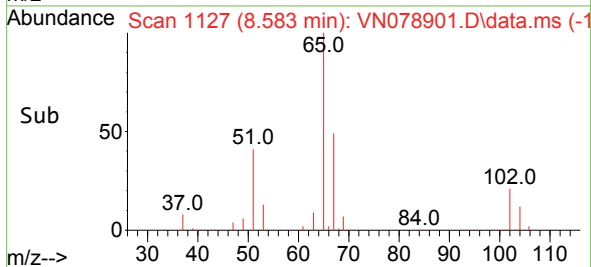
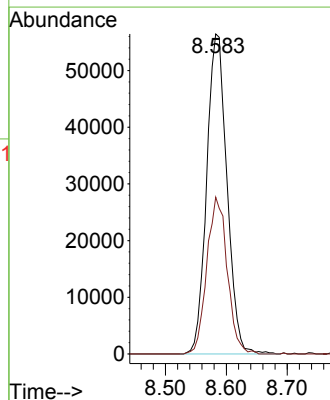
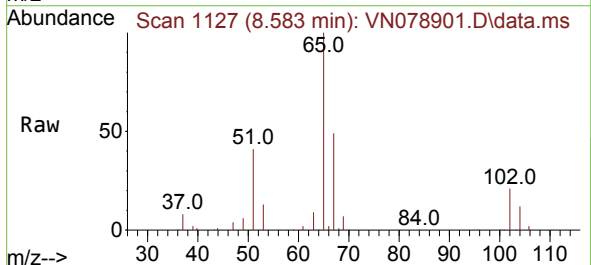


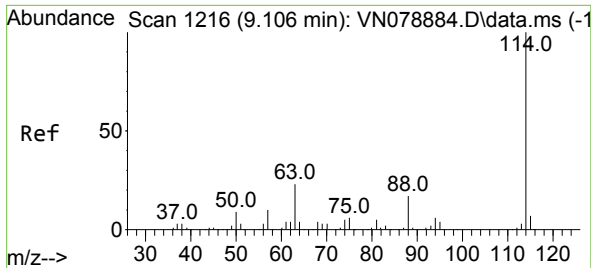
Tgt Ion: 56 Resp: 4572
Ion Ratio Lower Upper
56 100
69 102.6 26.8 40.2#
84 106.4 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 55.671 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

Tgt Ion: 65 Resp: 130551
Ion Ratio Lower Upper
65 100
67 49.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN078901.D

Acq: 16 Aug 2023 14:28

Instrument :

MSVOA_N

ClientSampleId :

PB154855ZHE#04

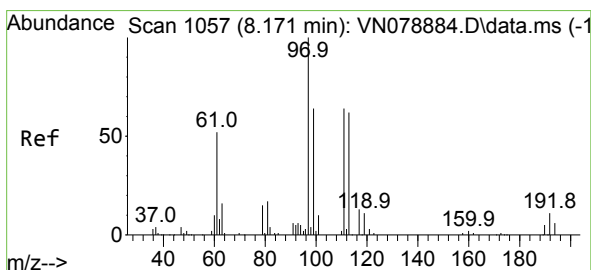
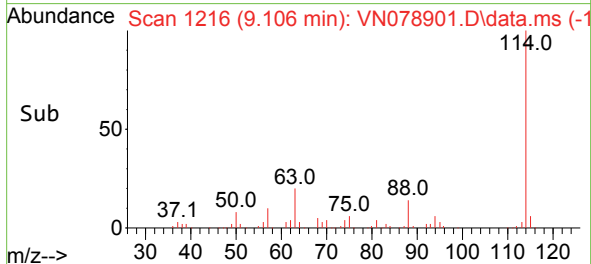
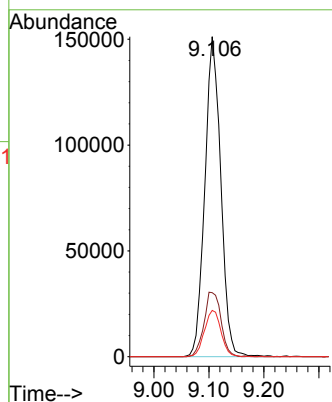
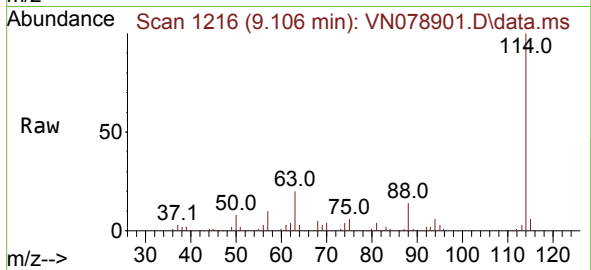
Tgt Ion:114 Resp: 304646

Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.105 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN078901.D

Acq: 16 Aug 2023 14:28

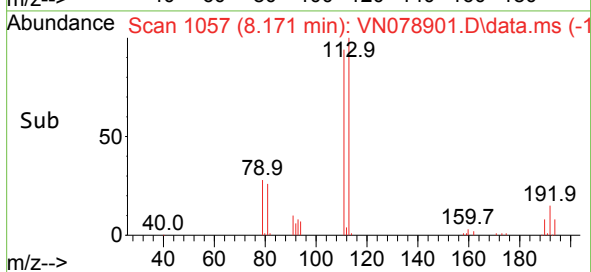
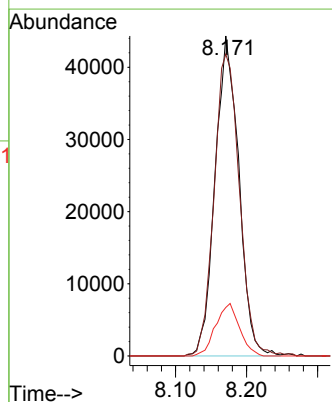
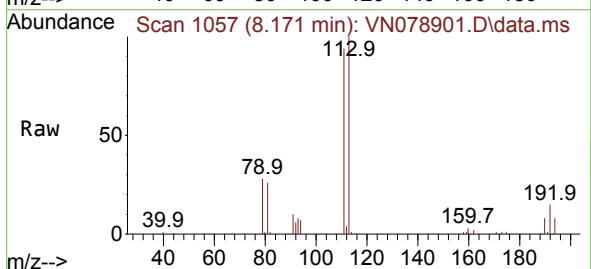
Tgt Ion:113 Resp: 102752

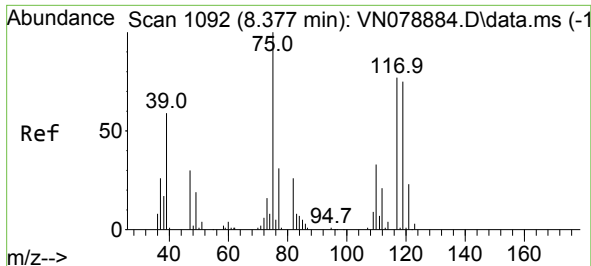
Ion Ratio Lower Upper

113 100

111 100.7 82.6 123.8

192 16.5 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.529 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN078901.D

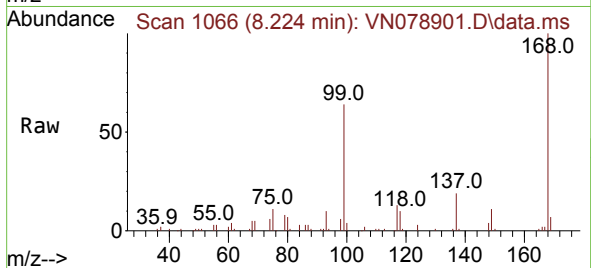
Acq: 16 Aug 2023 14:28

Instrument :

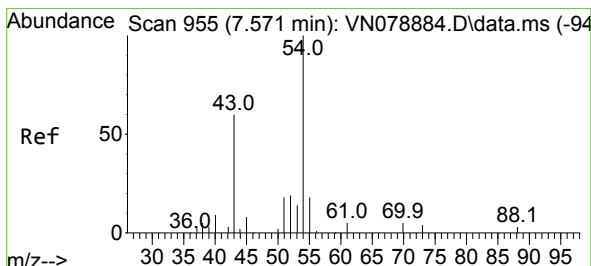
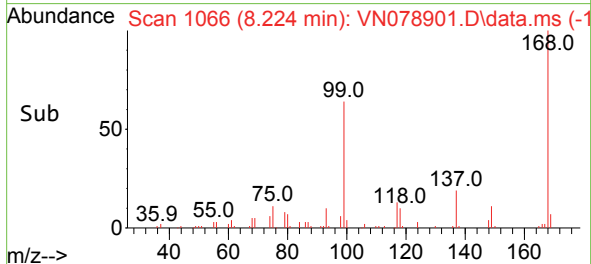
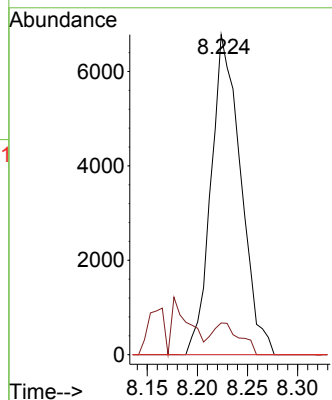
MSVOA_N

ClientSampleId :

PB154855ZHE#04



Tgt Ion:	75	Resp:	13971
Ion	Ratio	Lower	Upper
75	100		
110	9.4	19.1	57.3#
77	0.0	25.0	37.4#



#37

Ethyl Acetate

Concen: 1.074 ug/l

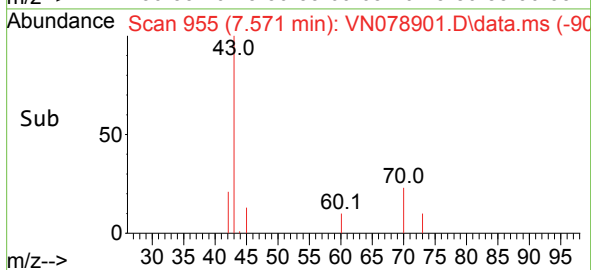
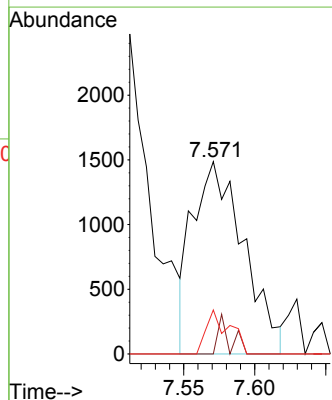
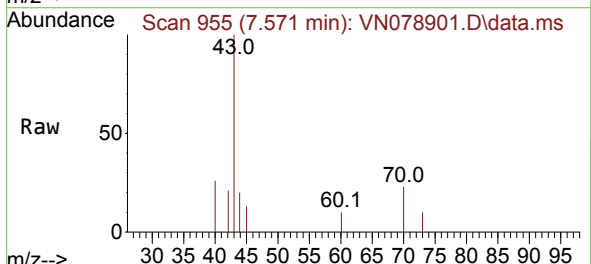
RT: 7.571 min Scan# 955

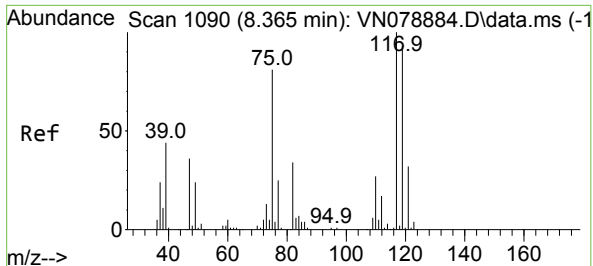
Delta R.T. -0.000 min

Lab File: VN078901.D

Acq: 16 Aug 2023 14:28

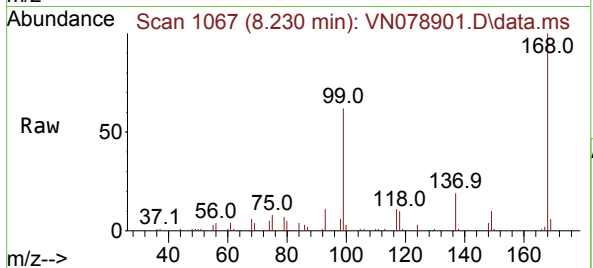
Tgt Ion:	43	Resp:	3708
Ion	Ratio	Lower	Upper
43	100		
61	4.7	13.2	19.8#
70	10.4	11.3	16.9#



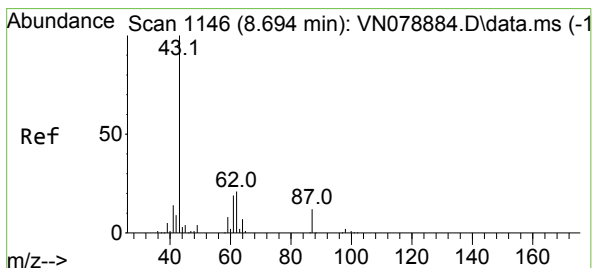
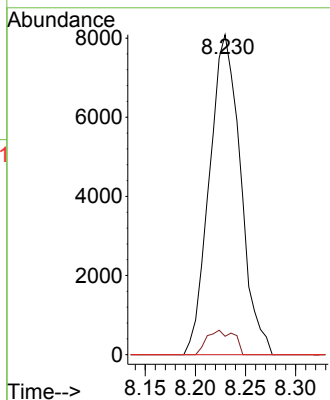
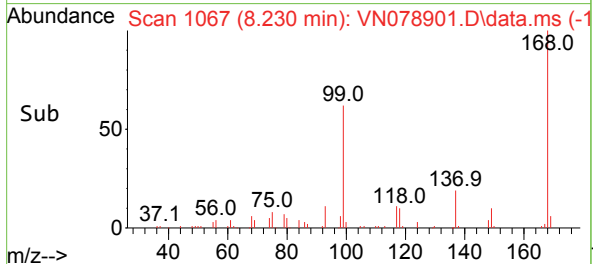


#38
Carbon Tetrachloride
Concen: 5.649 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#04

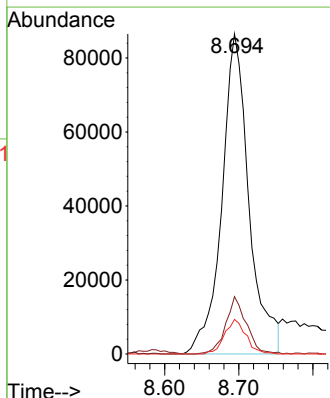
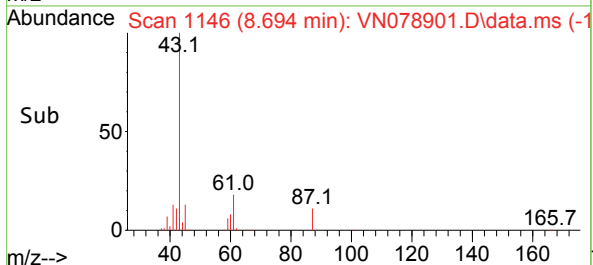
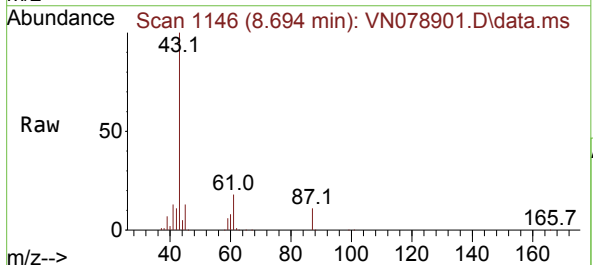


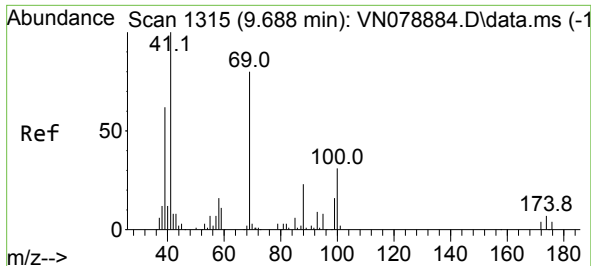
Tgt Ion:117 Resp: 17461
Ion Ratio Lower Upper
117 100
119 5.7 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 36.133 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

Tgt Ion: 43 Resp: 220428
Ion Ratio Lower Upper
43 100
61 13.7 24.7 37.1#
87 8.5 14.6 21.8#

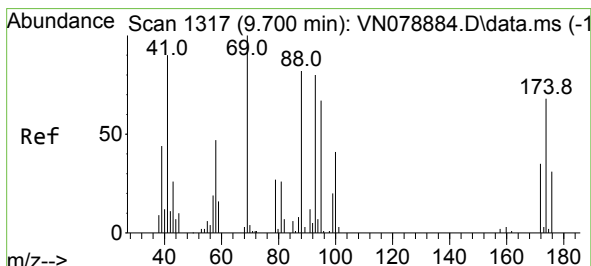
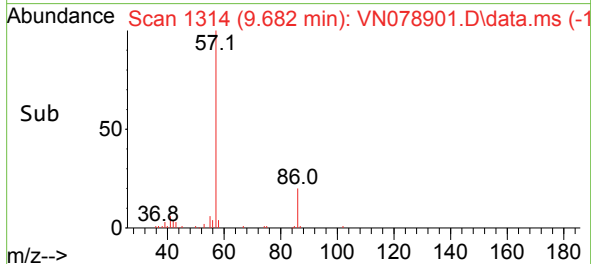
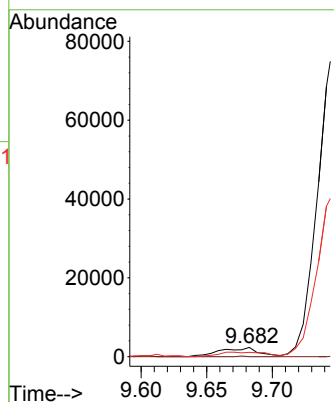
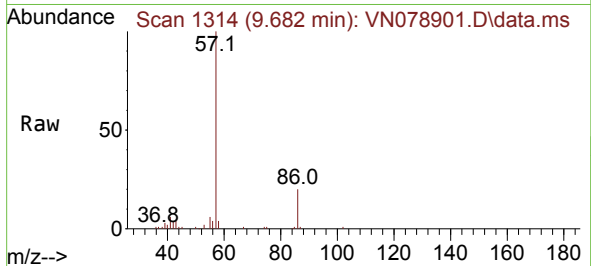




#48
Methyl methacrylate
Concen: 1.711 ug/l
RT: 9.682 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

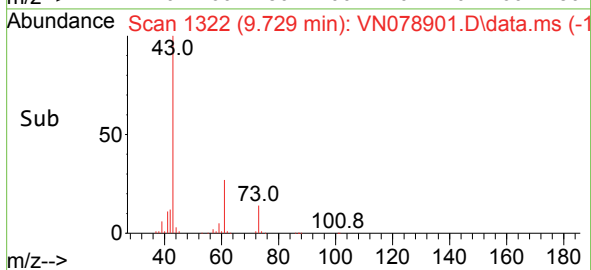
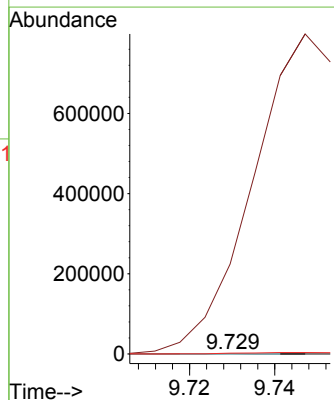
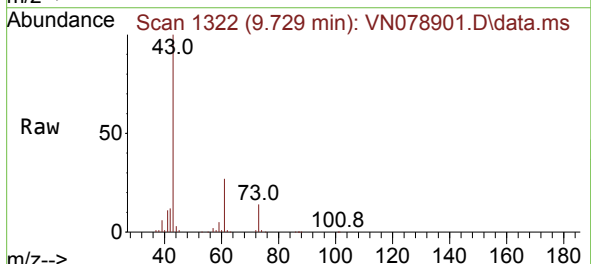
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#04

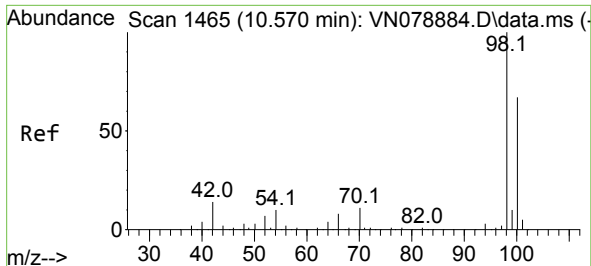
Tgt Ion: 41 Resp: 4731
Ion Ratio Lower Upper
41 100
69 1.3 90.4 135.6#
39 61.9 54.6 81.8



#49
1,4-Dioxane
Concen: 1.933 ug/l
RT: 9.729 min Scan# 1322
Delta R.T. 0.030 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

Tgt Ion: 88 Resp: 91
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 47.0 70.4#

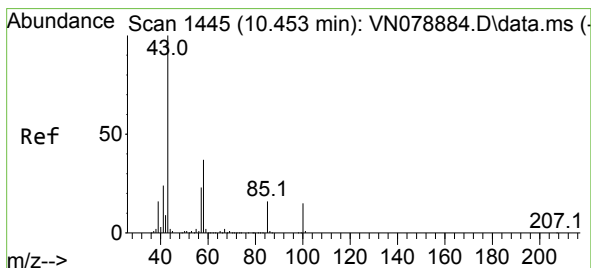
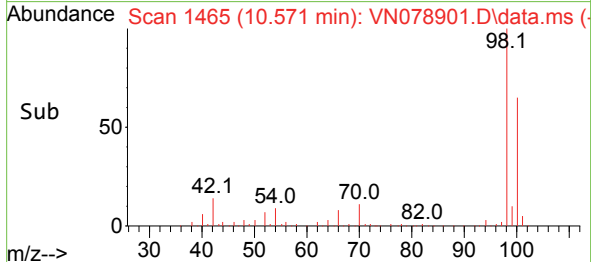
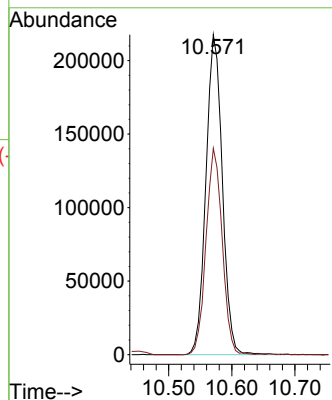
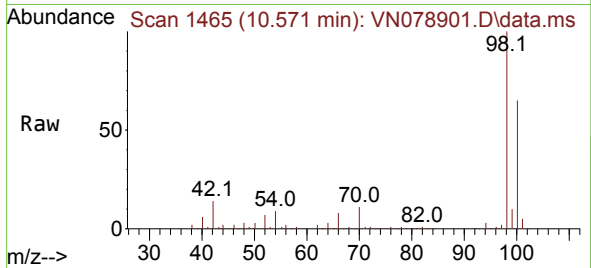




#50
Toluene-d8
Concen: 51.561 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

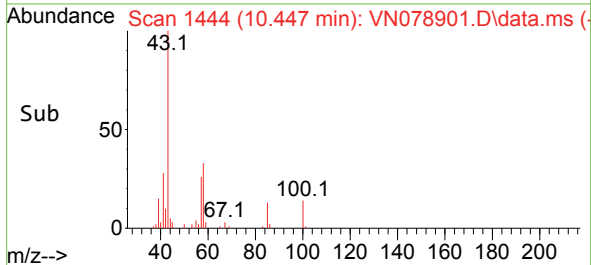
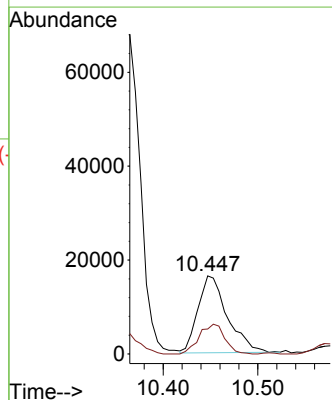
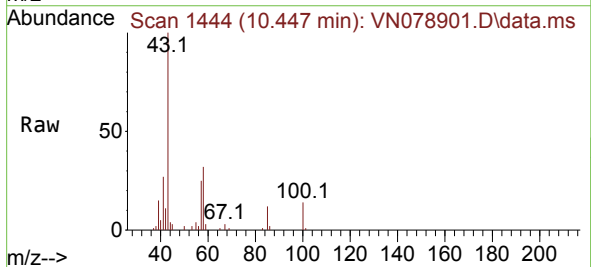
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#04

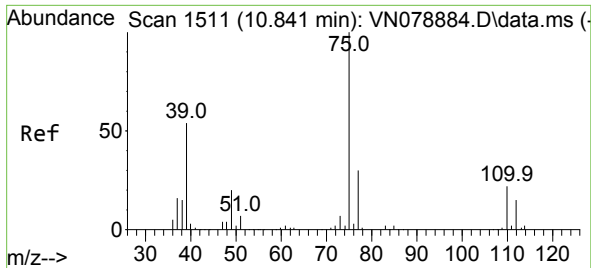
Tgt Ion: 98 Resp: 392612
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 9.799 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

Tgt Ion: 43 Resp: 35456
Ion Ratio Lower Upper
43 100
58 33.5 36.6 54.8#

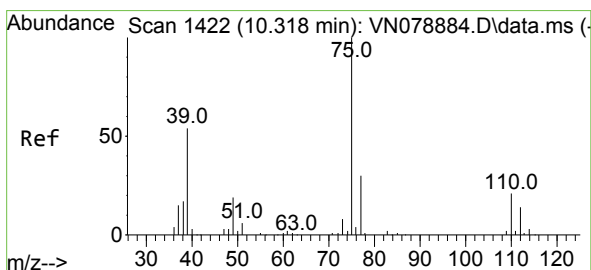
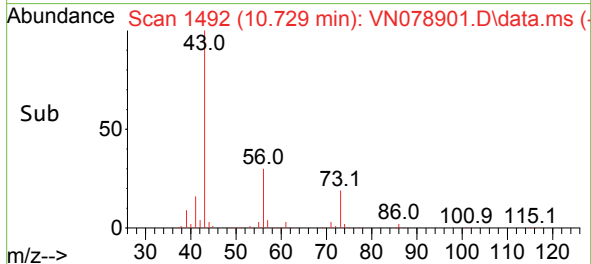
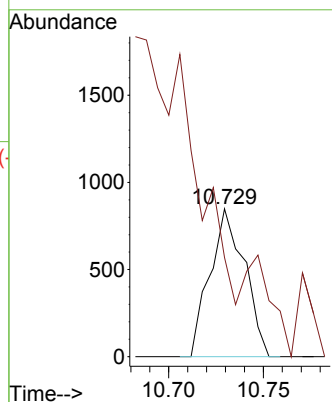
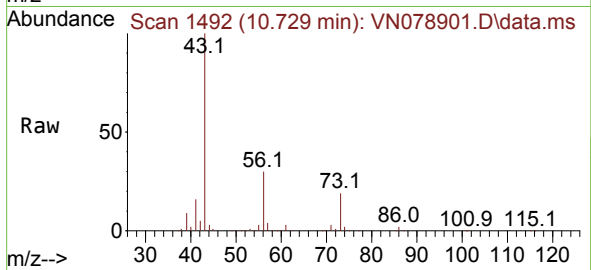




#53
t-1,3-Dichloropropene
Concen: 0.306 ug/l
RT: 10.729 min Scan# 14
Delta R.T. -0.112 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

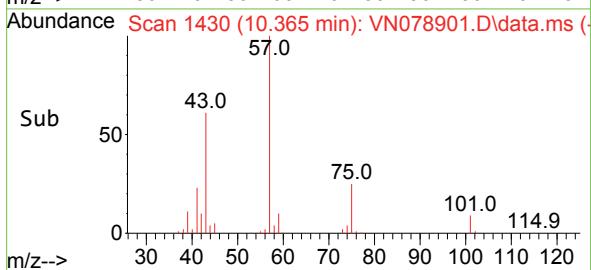
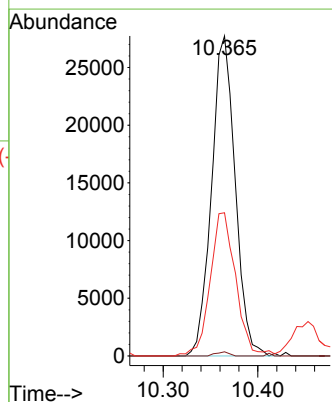
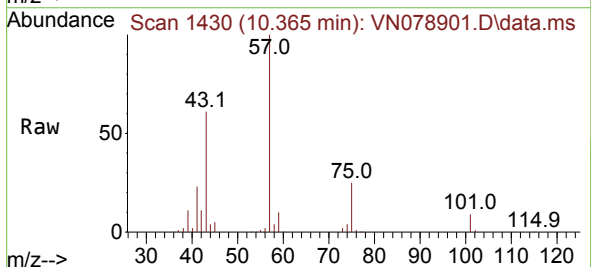
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#04

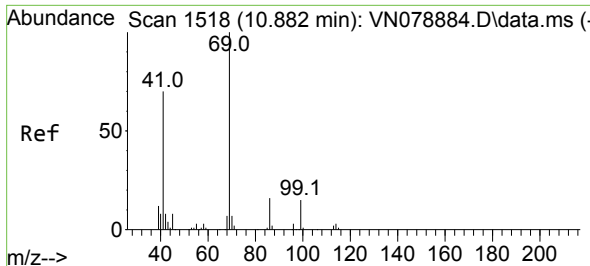
Tgt Ion: 75 Resp: 1080
Ion Ratio Lower Upper
75 100
77 36.2 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 12.533 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

Tgt Ion: 75 Resp: 48130
Ion Ratio Lower Upper
75 100
77 1.3 26.1 39.1#
39 44.0 31.6 47.4

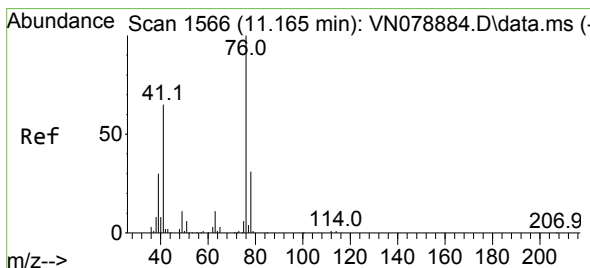
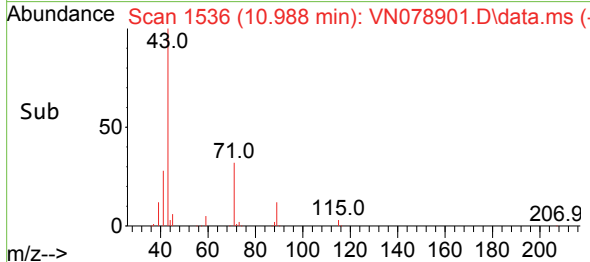
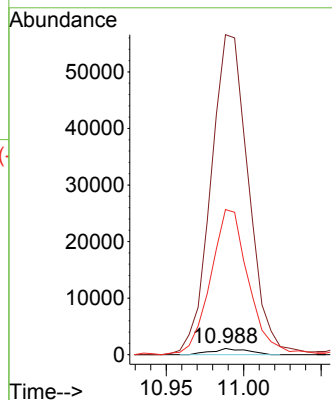
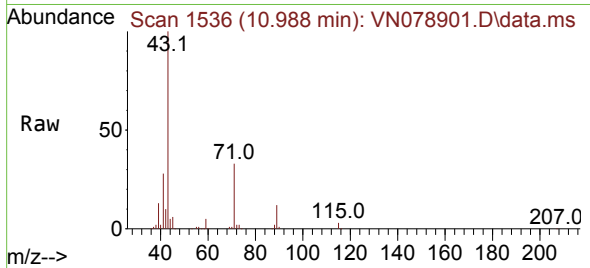




#56
Ethyl methacrylate
Concen: 0.505 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.111 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

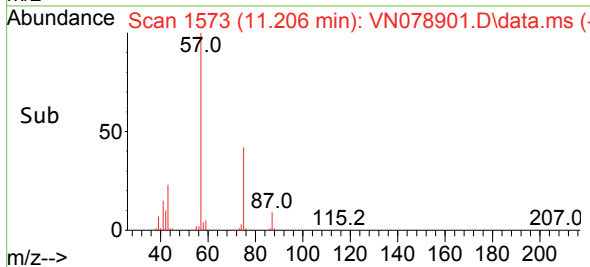
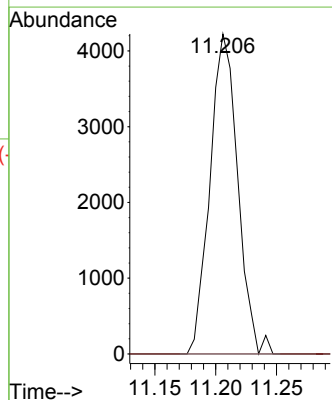
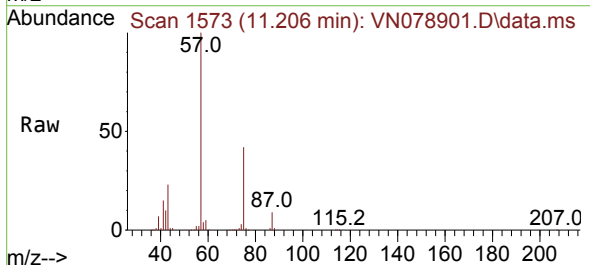
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#04

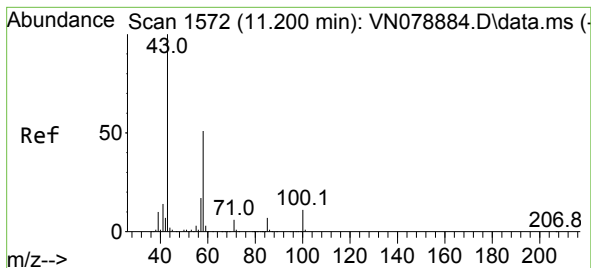
Tgt Ion: 69 Resp: 1757
Ion Ratio Lower Upper
69 100
41 5440.4 39.6 59.4#
39 2497.9 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.673 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

Tgt Ion: 76 Resp: 6717
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 35.618 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078901.D

Acq: 16 Aug 2023 14:28

Instrument :

MSVOA_N

ClientSampleId :

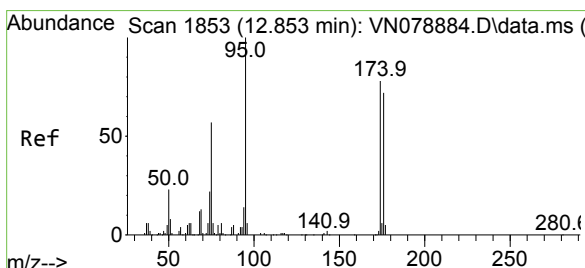
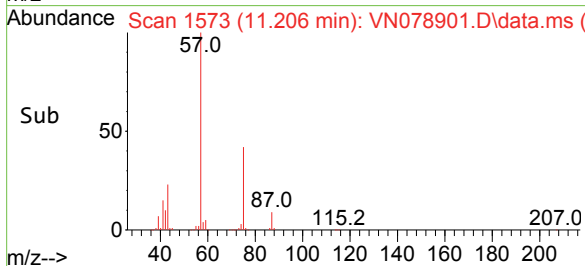
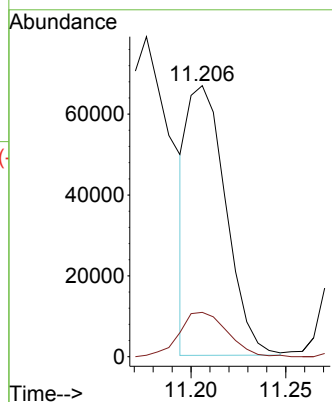
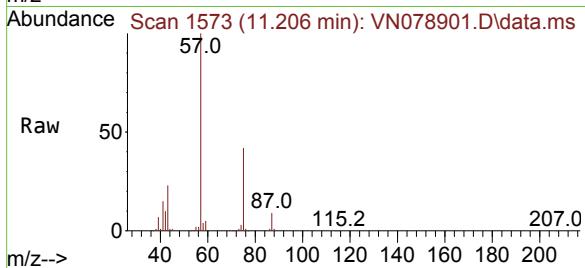
PB154855ZHE#04

Tgt Ion: 43 Resp: 93342

Ion Ratio Lower Upper

43 100

58 20.8 31.7 95.1#



#62

4-Bromofluorobenzene

Concen: 48.716 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN078901.D

Acq: 16 Aug 2023 14:28

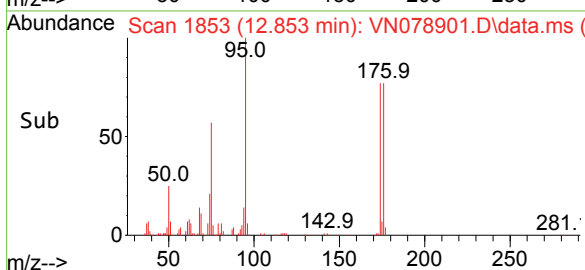
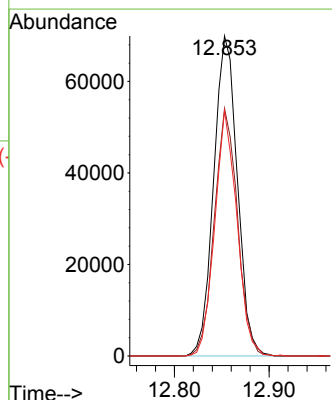
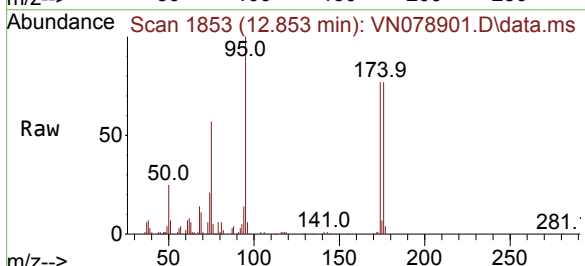
Tgt Ion: 95 Resp: 121249

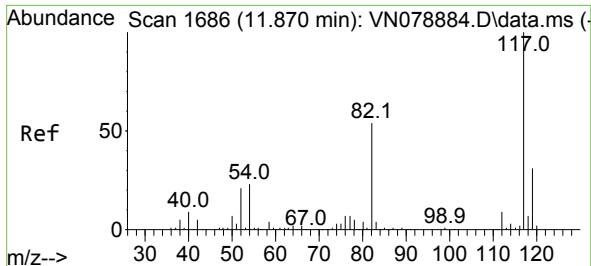
Ion Ratio Lower Upper

95 100

174 75.7 0.0 143.8

176 71.9 0.0 135.8

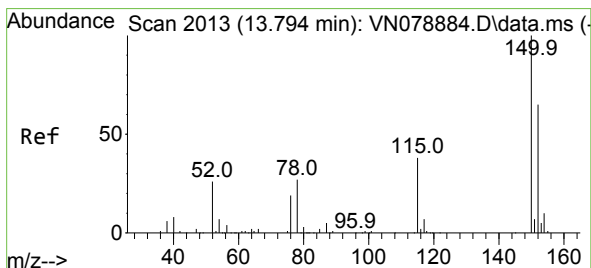
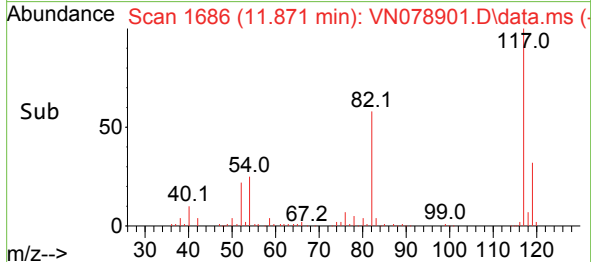
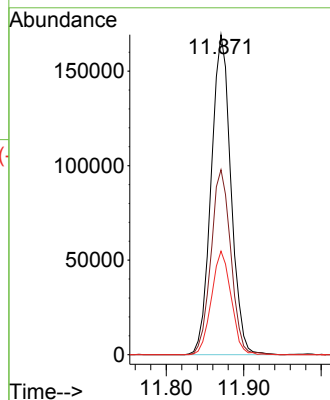
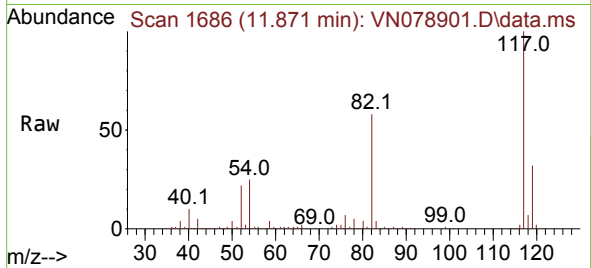




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

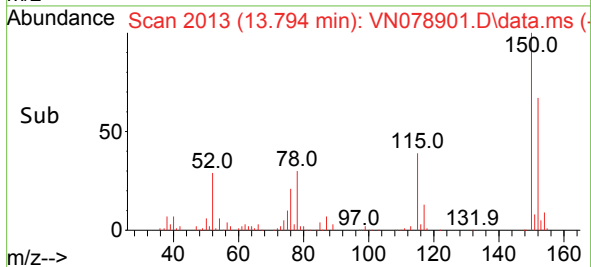
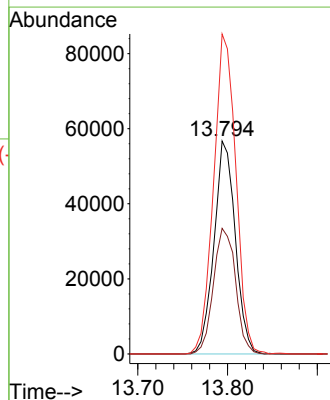
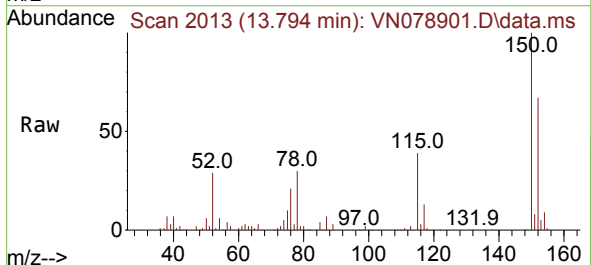
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#04

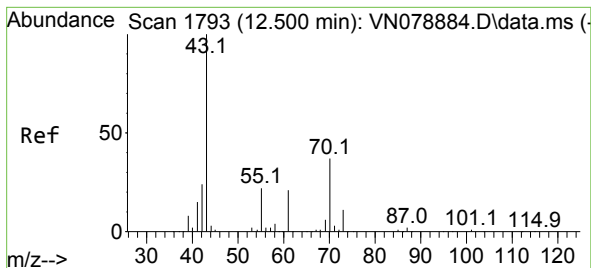
Tgt Ion:117 Resp: 299551
Ion Ratio Lower Upper
117 100
82 57.8 44.0 66.0
119 32.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

Tgt Ion:152 Resp: 93428
Ion Ratio Lower Upper
152 100
115 61.3 32.3 96.8
150 157.2 0.0 355.8





#74

N-amy1 acetate

Concen: 0.435 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.012 min

Lab File: VN078901.D

Acq: 16 Aug 2023 14:28

Instrument :

MSVOA_N

ClientSampleId :

PB154855ZHE#04

Tgt Ion: 43 Resp: 1709

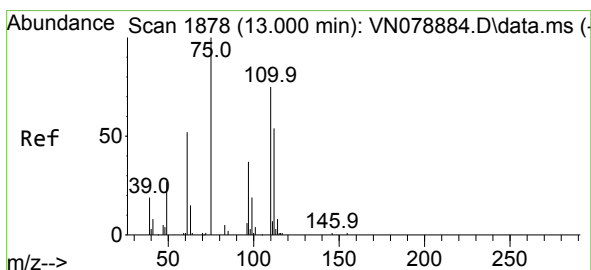
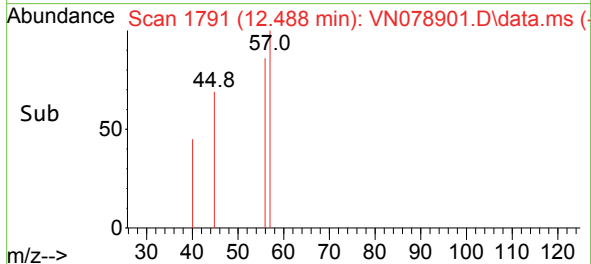
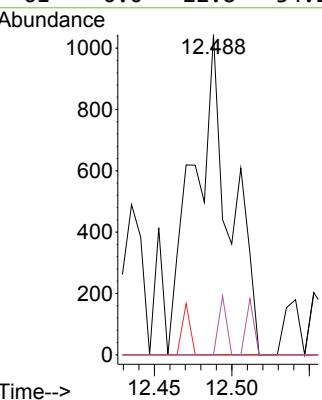
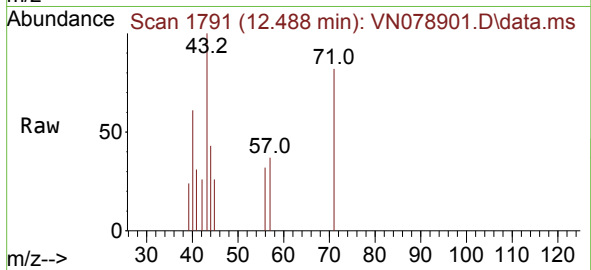
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 3.5 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 30.514 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078901.D

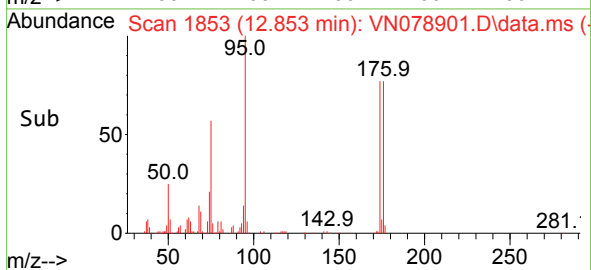
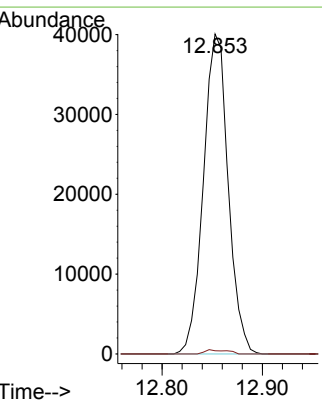
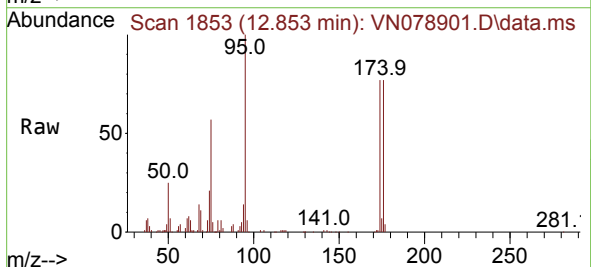
Acq: 16 Aug 2023 14:28

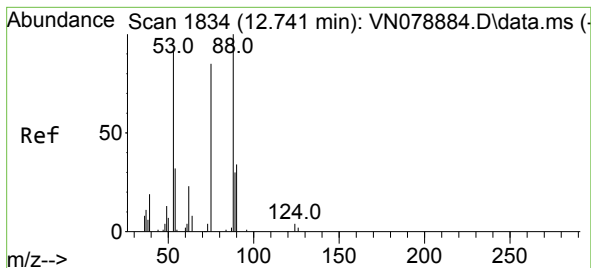
Tgt Ion: 75 Resp: 68693

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#

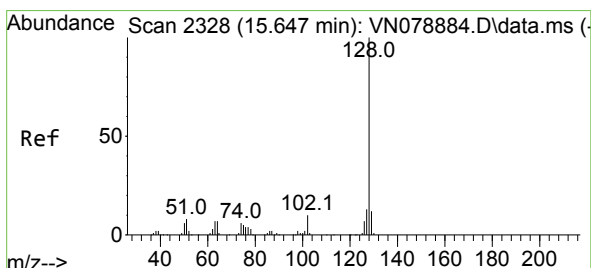
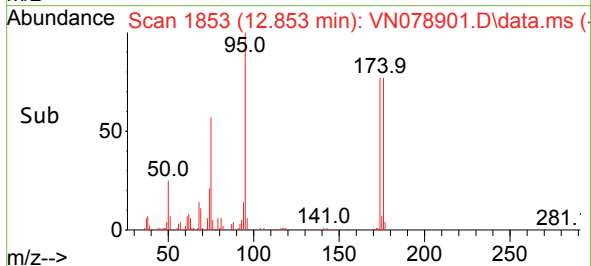
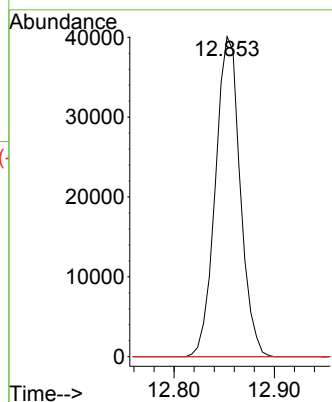
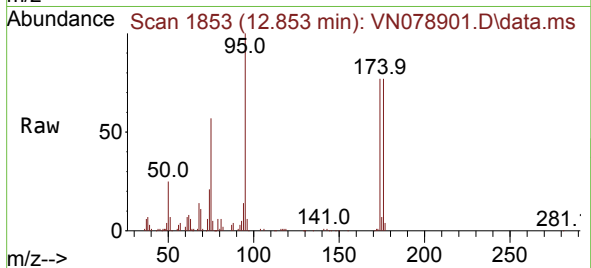




#81
trans-1,4-Dichloro-2-butene
Concen: 77.951 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#04

Tgt Ion: 75 Resp: 68693
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 2.634 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN078901.D
Acq: 16 Aug 2023 14:28

Tgt Ion: 128 Resp: 268
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

