

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
 Data File : VN078045.D
 Acq On : 05 Jun 2023 15:33
 Operator : JC\MD
 Sample : PB153198ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153198ZHE#06

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

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

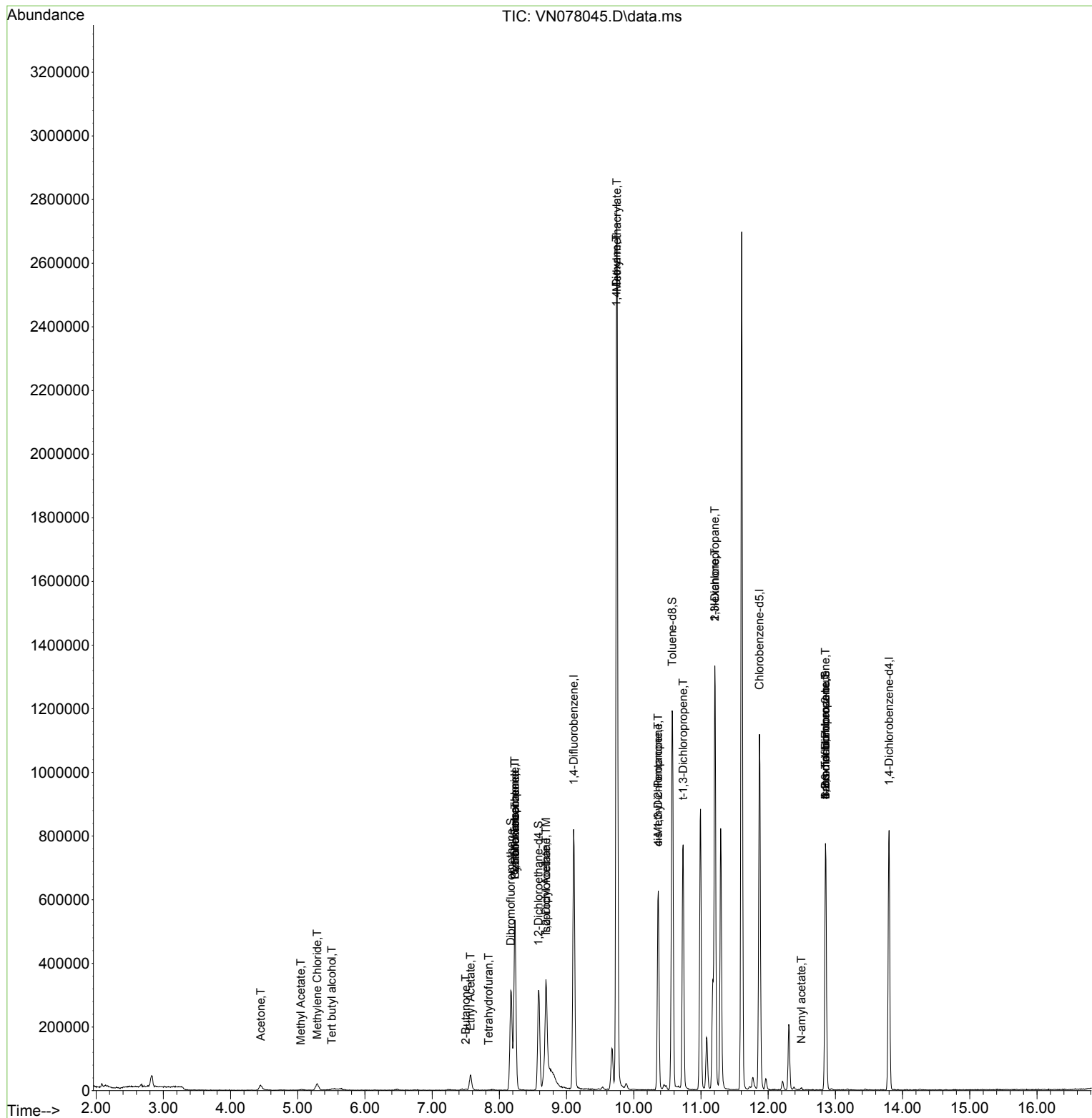
Internal Standards						
1) Pentafluorobenzene	8.235	168	381752	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	716050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	673770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	222413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	262491	45.954	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.900%		
35) Dibromofluoromethane	8.171	113	230223	49.306	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.620%		
50) Toluene-d8	10.571	98	889456	49.490	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.980%		
62) 4-Bromofluorobenzene	12.853	95	273633	43.109	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.220%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1004	Below Cal	#	42
11) Tert butyl alcohol	5.506	59	994	1.261	ug/l #	72
13) Acrolein	4.189	56	186	Below Cal	#	4
16) Acetone	4.447	43	29504	16.418	ug/l	99
18) Methyl Acetate	5.047	43	5108	0.678	ug/l #	71
20) Methylene Chloride	5.289	84	16091	1.525	ug/l #	79
25) 2-Butanone	7.500	43	4647	1.653	ug/l #	83
29) Tetrahydrofuran	7.841	42	396	0.215	ug/l #	66
31) Cyclohexane	8.235	56	8546	1.101	ug/l #	41
36) 1,1-Dichloropropene	8.230	75	32839	4.808	ug/l #	47
37) Ethyl Acetate	7.571	43	67804	11.139	ug/l #	96
38) Carbon Tetrachloride	8.230	117	40797	5.916	ug/l #	15
42) 1,2-Dichloroethane	8.694	62	2161	0.295	ug/l	80
43) Isopropyl Acetate	8.694	43	552274	55.545	ug/l #	70
48) Methyl methacrylate	9.747	41	244459	51.857	ug/l #	29
49) 1,4-Dioxane	9.741	88	638	7.166	ug/l #	1
51) 4-Methyl-2-Pentanone	10.365	43	224919	38.056	ug/l #	41
53) t-1,3-Dichloropropene	10.735	75	2272	0.305	ug/l #	43
54) cis-1,3-Dichloropropene	10.365	75	122588	14.916	ug/l #	65
57) 1,3-Dichloropropane	11.206	76	14516	1.700	ug/l #	43
59) 2-Hexanone	11.206	43	164284	37.581	ug/l #	50
71) Bromoform	12.853	173	1862	0.554	ug/l #	1
74) N-amyl acetate	12.494	43	2788	0.393	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	144314	25.909	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	144314	82.819	ug/l #	15

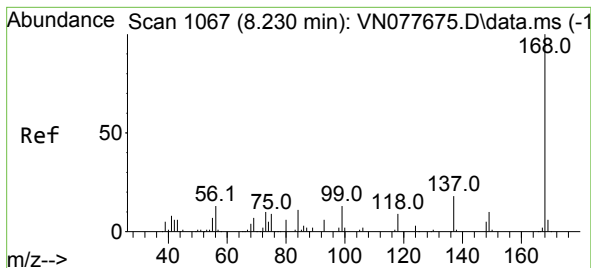
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
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PB153198ZHE#06

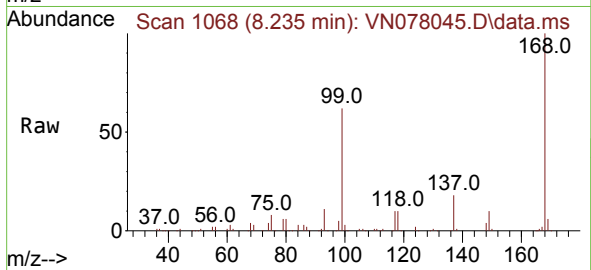
Quant Time: Jun 06 02:02:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
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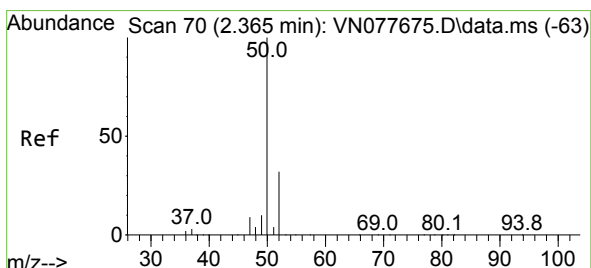
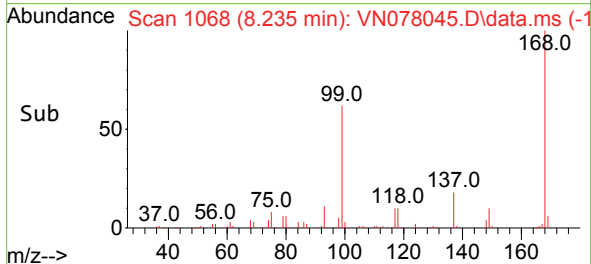
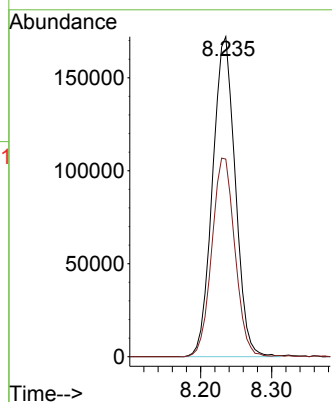


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN078045.D
Acq: 05 Jun 2023 15:33

Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#06

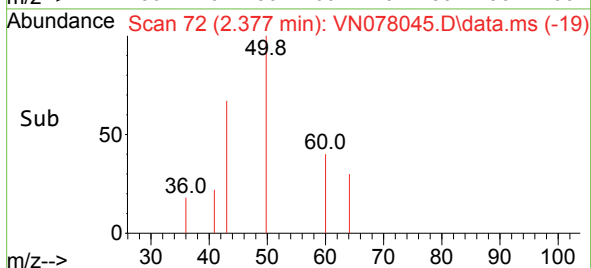
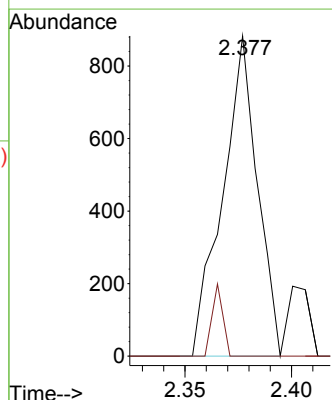
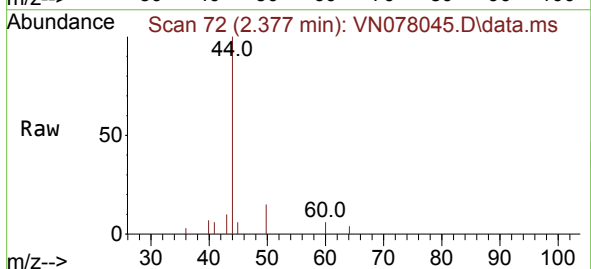


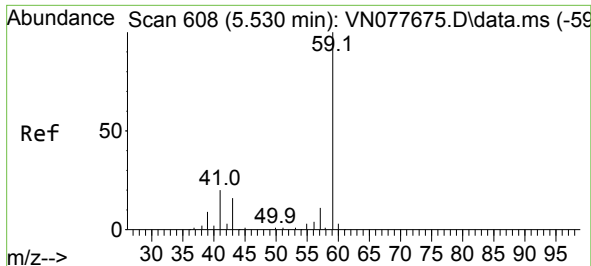
Tgt Ion:168 Resp: 381752
Ion Ratio Lower Upper
168 100
99 61.7 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.012 min
Lab File: VN078045.D
Acq: 05 Jun 2023 15:33

Tgt Ion: 50 Resp: 1004
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

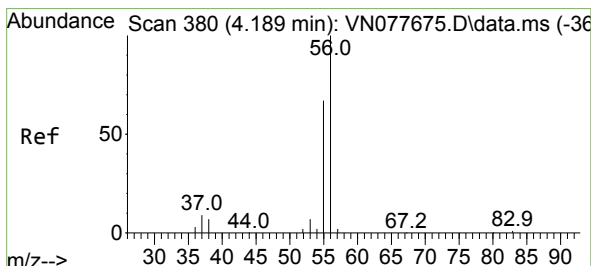
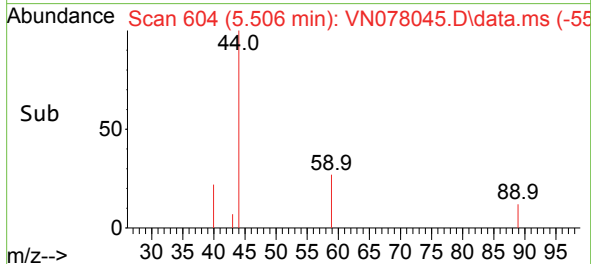
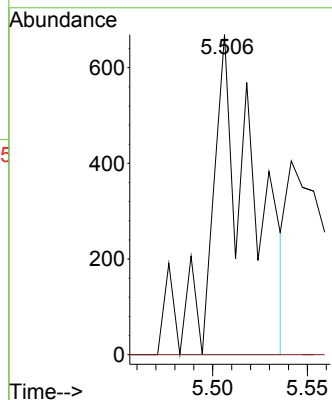
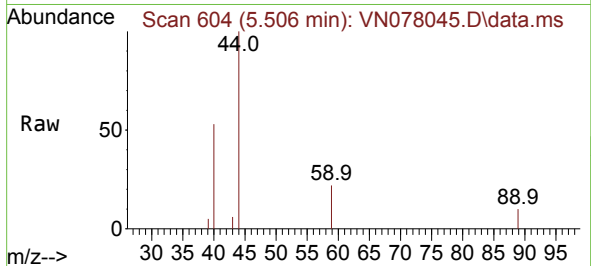




#11
Tert butyl alcohol
Concen: 1.261 ug/l
RT: 5.506 min Scan# 608
Delta R.T. -0.024 min
Lab File: VN078045.D
Acq: 05 Jun 2023 15:33

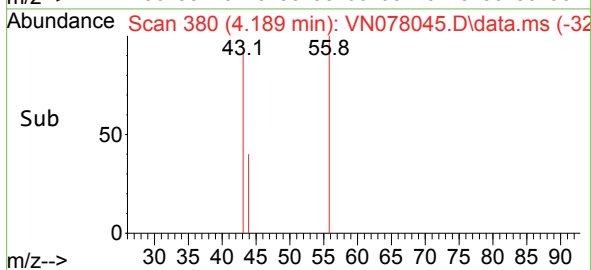
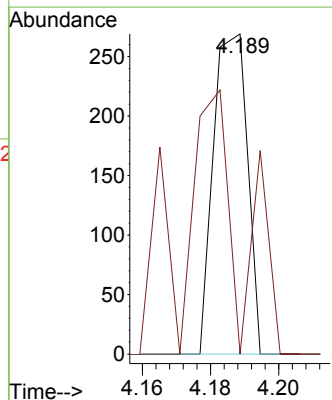
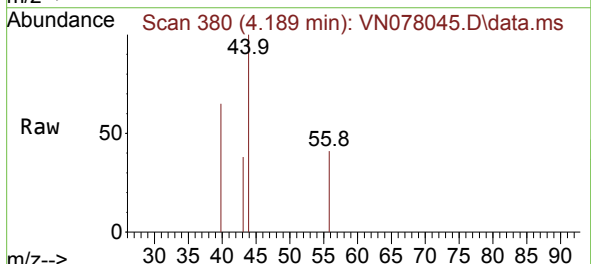
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#06

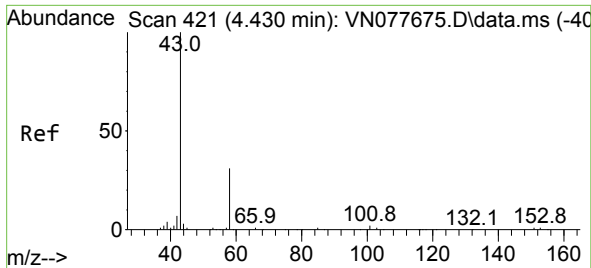
Tgt Ion: 59 Resp: 994
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 380
Delta R.T. -0.000 min
Lab File: VN078045.D
Acq: 05 Jun 2023 15:33

Tgt Ion: 56 Resp: 186
Ion Ratio Lower Upper
56 100
55 145.7 54.5 81.7#

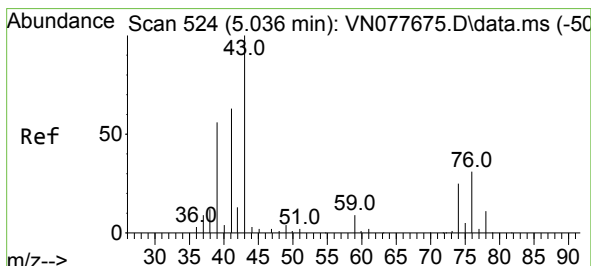
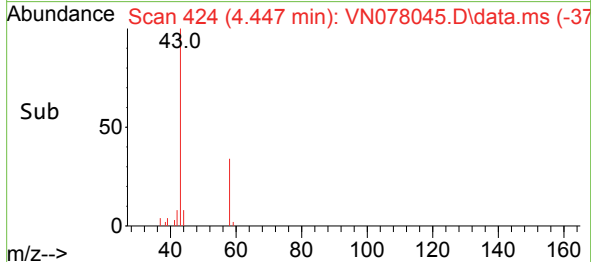
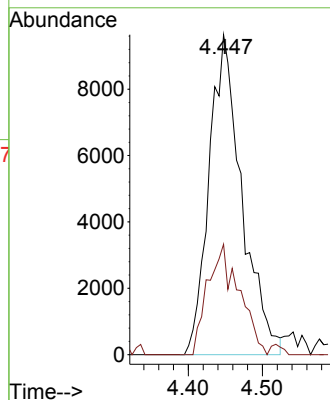
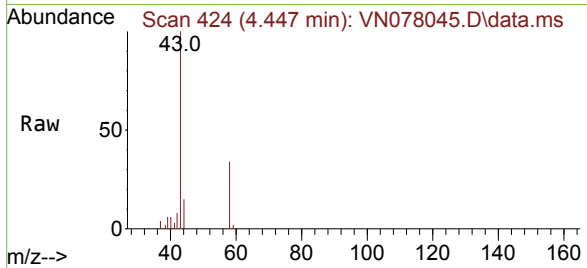




#16
Acetone
Concen: 16.418 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN078045.D
Acq: 05 Jun 2023 15:33

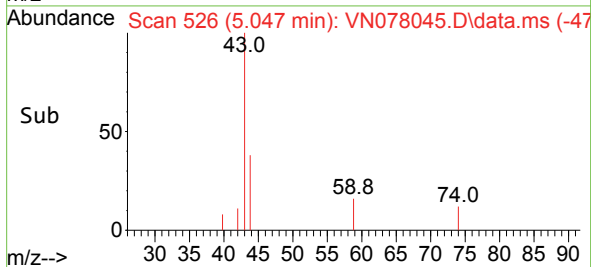
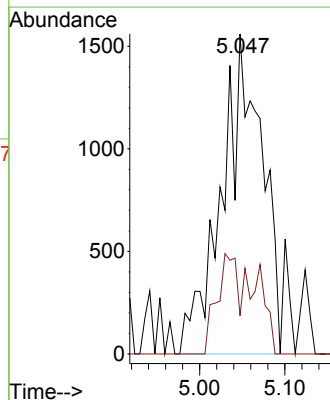
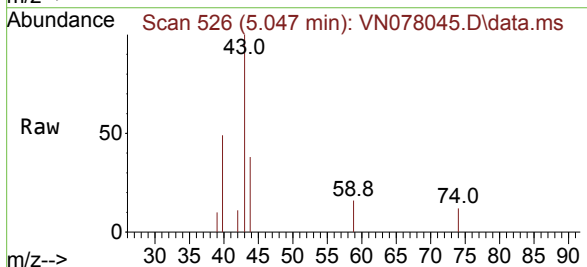
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#06

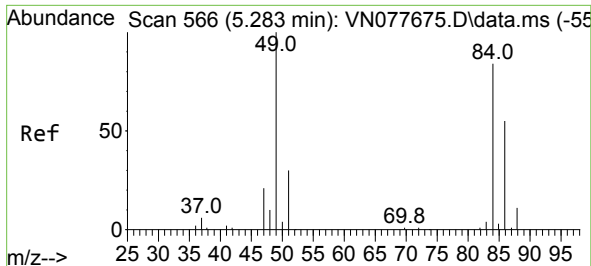
Tgt Ion: 43 Resp: 29504
Ion Ratio Lower Upper
43 100
58 34.5 28.0 42.0



#18
Methyl Acetate
Concen: 0.678 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.011 min
Lab File: VN078045.D
Acq: 05 Jun 2023 15:33

Tgt Ion: 43 Resp: 5108
Ion Ratio Lower Upper
43 100
74 16.2 26.2 39.4#

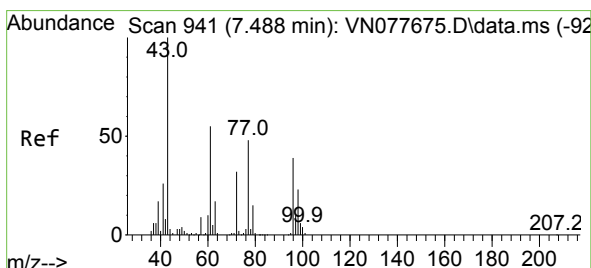
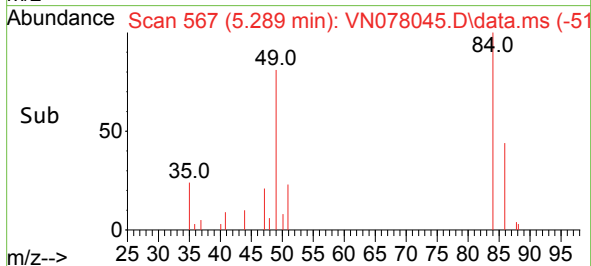
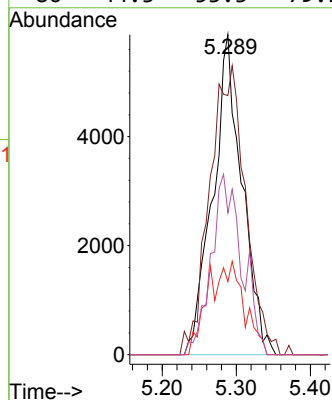
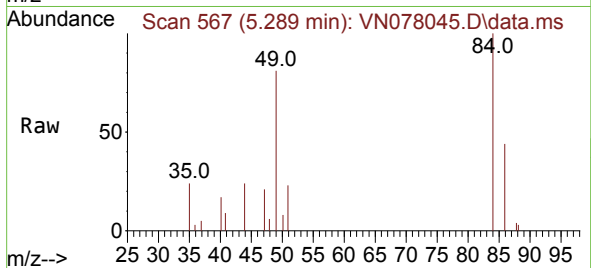




#20
Methylene Chloride
Concen: 1.525 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078045.D
Acq: 05 Jun 2023 15:33

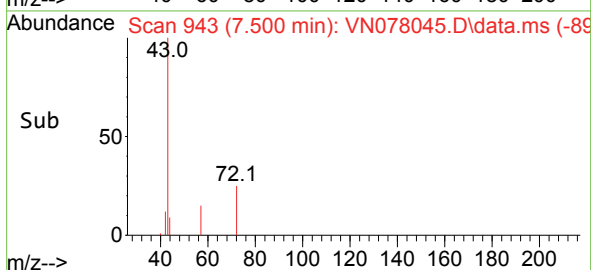
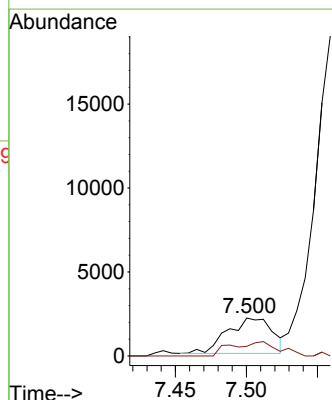
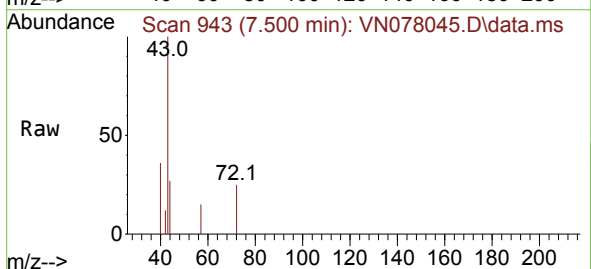
Instrument :
MSVOA_N
ClientSampleId :
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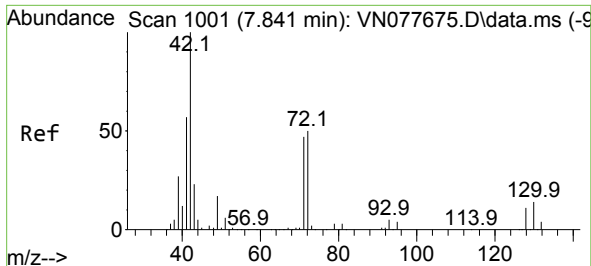
Tgt Ion: 84	Resp: 16091
Ion Ratio	Lower Upper
84 100	
49 81.0	79.7 119.5
51 22.8	25.2 37.8#
86 44.3	53.3 79.9#



#25
2-Butanone
Concen: 1.653 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN078045.D
Acq: 05 Jun 2023 15:33

Tgt Ion: 43	Resp: 4647		
Ion Ratio	Lower	Upper	
43 100			
72 27.3	30.2	45.2#	

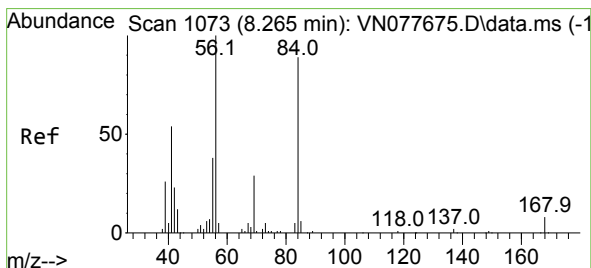
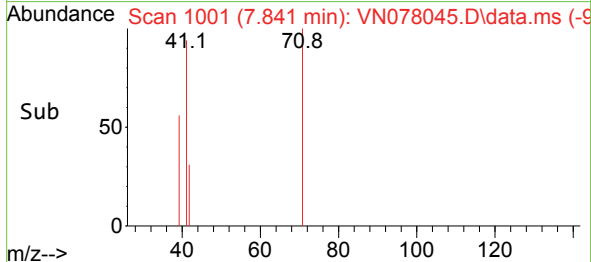
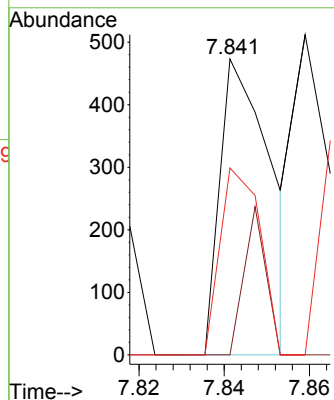
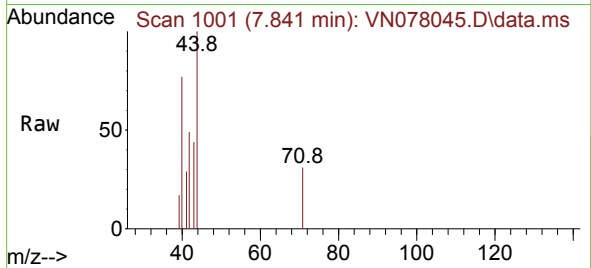




#29
Tetrahydrofuran
Concen: 0.215 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VN078045.D
Acq: 05 Jun 2023 15:33

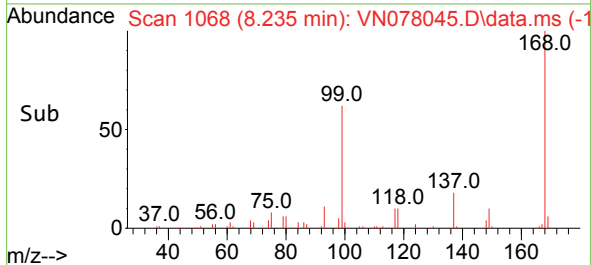
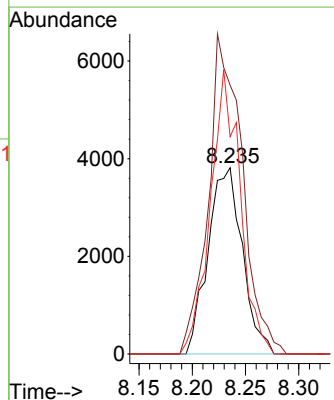
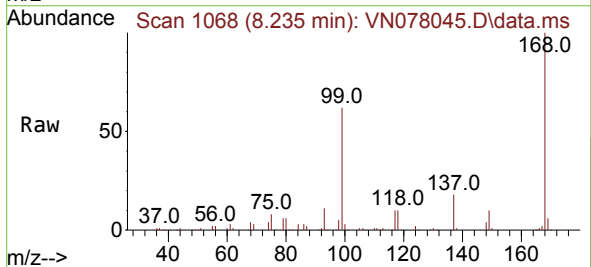
Instrument :
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PB153198ZHE#06

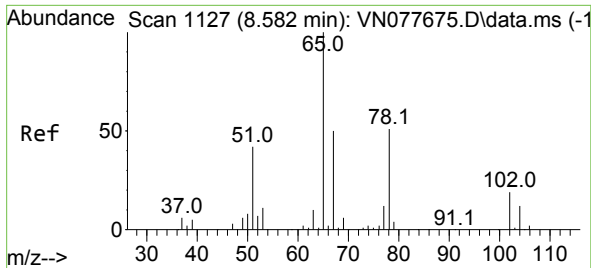
Tgt Ion: 42 Resp: 396
Ion Ratio Lower Upper
42 100
72 21.2 49.8 74.6#
71 49.2 47.4 71.2



#31
Cyclohexane
Concen: 1.101 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN078045.D
Acq: 05 Jun 2023 15:33

Tgt Ion: 56 Resp: 8546
Ion Ratio Lower Upper
56 100
69 144.4 26.8 40.2#
84 116.6 81.8 122.6

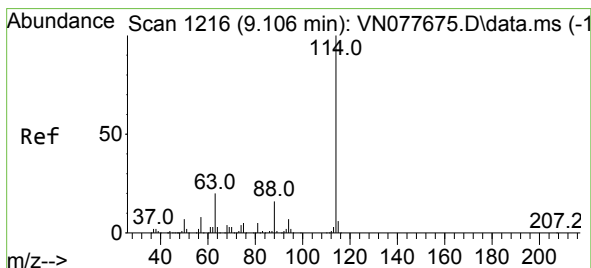
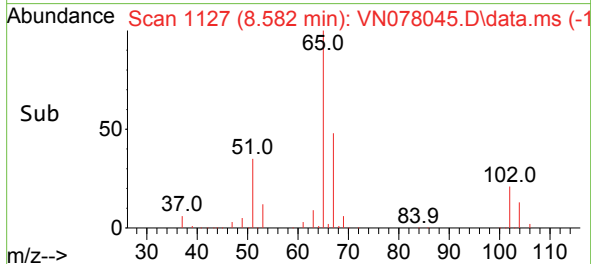
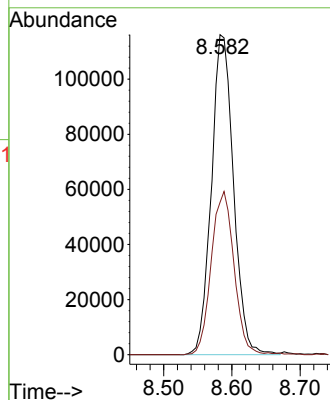
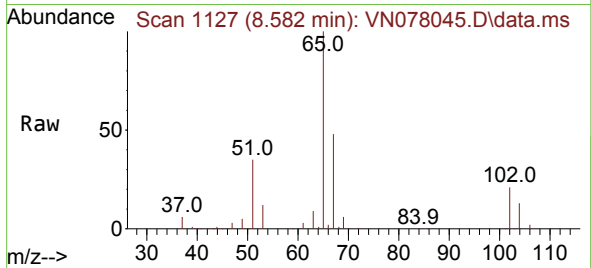




#33
 1,2-Dichloroethane-d4
 Concen: 45.954 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VN078045.D
 Acq: 05 Jun 2023 15:33

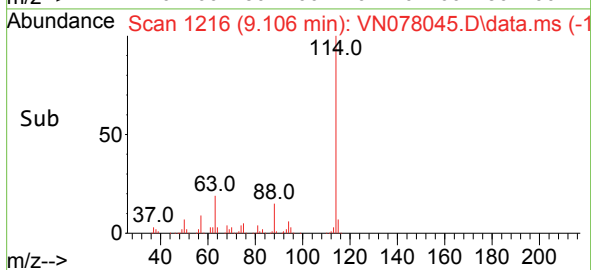
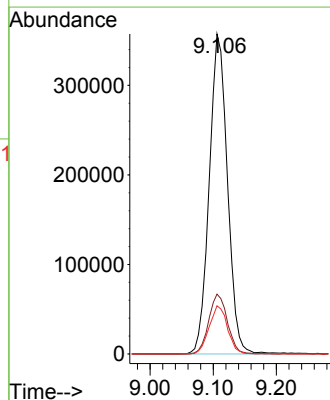
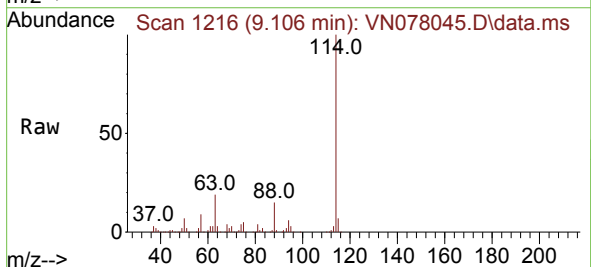
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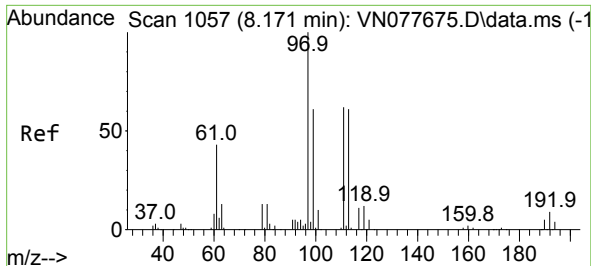
Tgt Ion: 65 Resp: 262491
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. -0.000 min
 Lab File: VN078045.D
 Acq: 05 Jun 2023 15:33

Tgt Ion: 114 Resp: 716050
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 36.4
 88 15.0 0.0 30.6

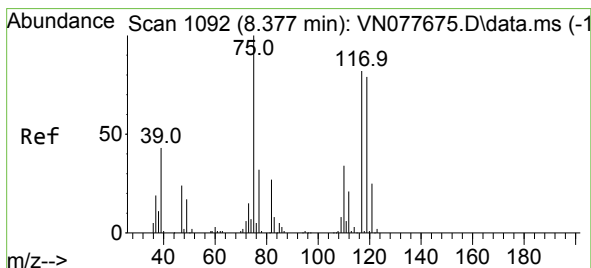
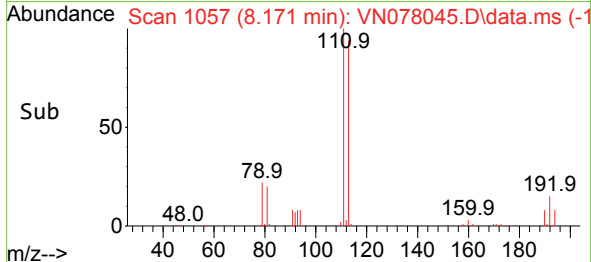
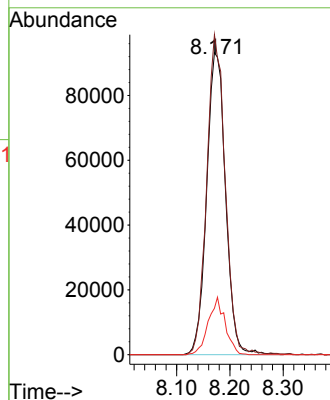
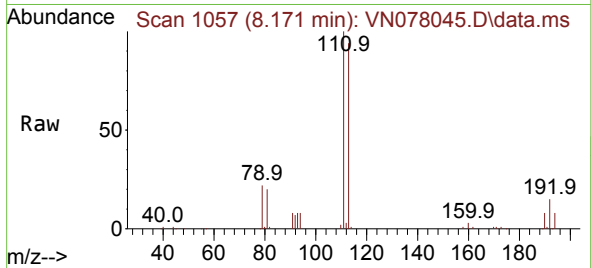




#35
Dibromofluoromethane
Concen: 49.306 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN078045.D
Acq: 05 Jun 2023 15:33

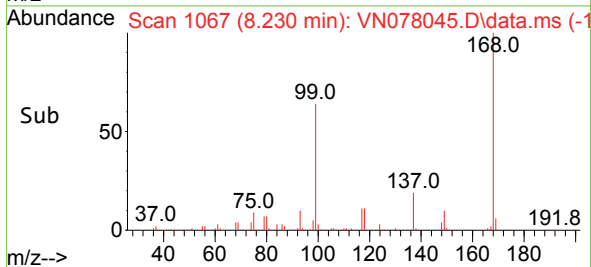
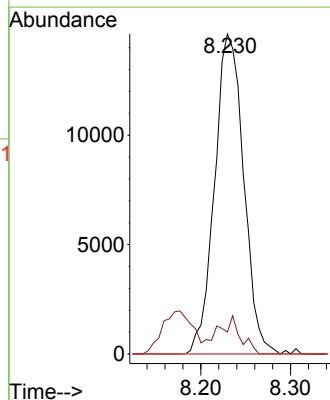
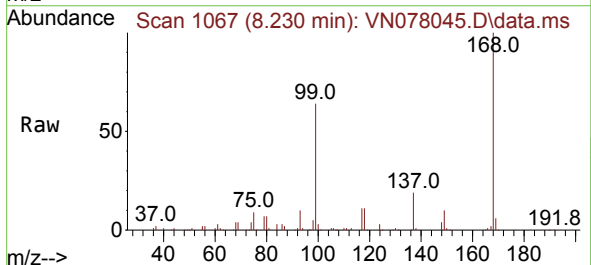
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#06

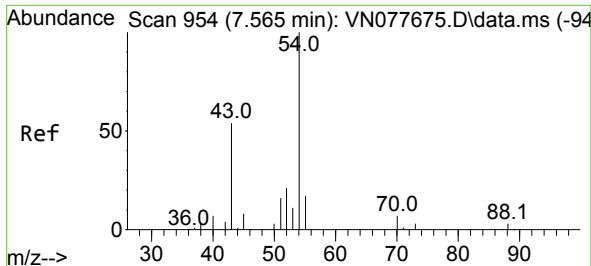
Tgt Ion:113 Resp: 230223
Ion Ratio Lower Upper
113 100
111 103.1 82.6 123.8
192 16.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.808 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078045.D
Acq: 05 Jun 2023 15:33

Tgt Ion: 75 Resp: 32839
Ion Ratio Lower Upper
75 100
110 8.1 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 11.139 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN078045.D

Acq: 05 Jun 2023 15:33

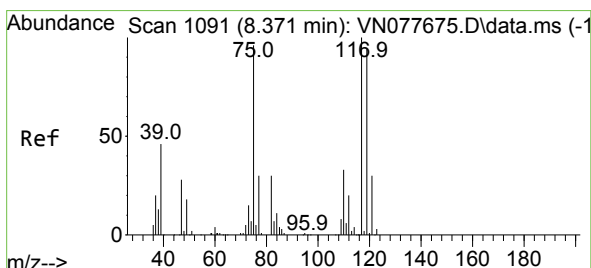
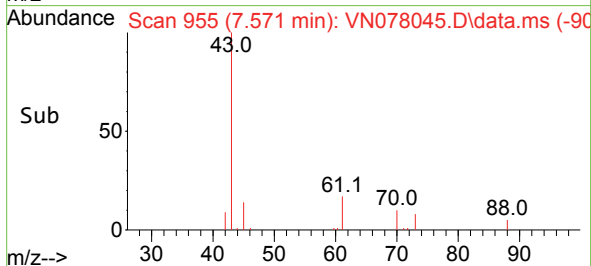
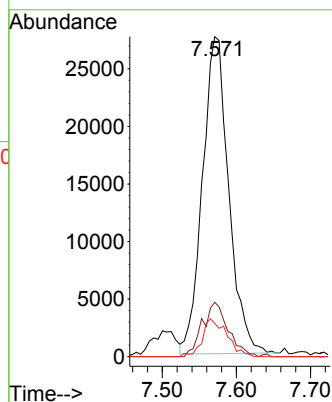
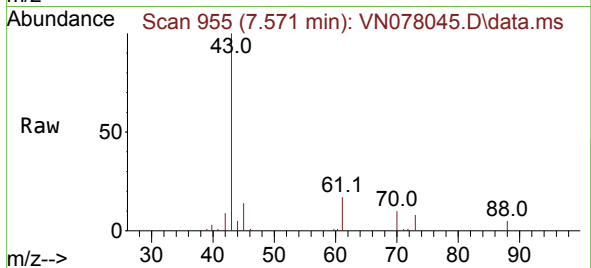
Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#06

Tgt Ion:	43	Resp:	67804
Ion	Ratio	Lower	Upper
43	100		
61	16.9	13.2	19.8
70	11.2	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 5.916 ug/l

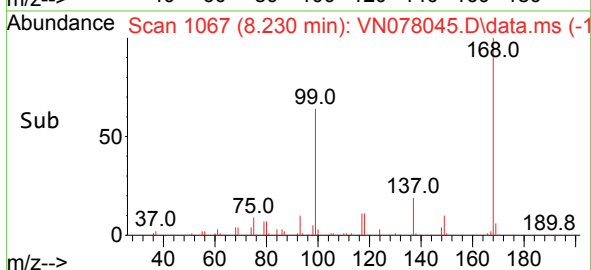
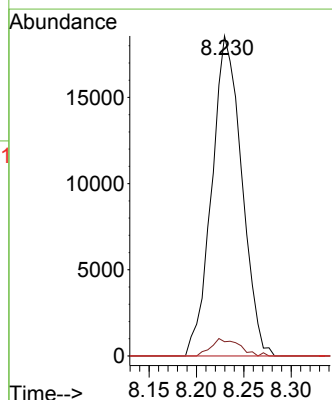
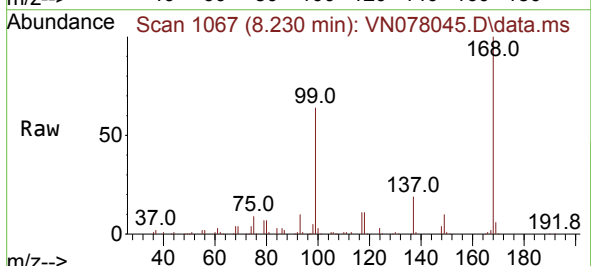
RT: 8.230 min Scan# 1067

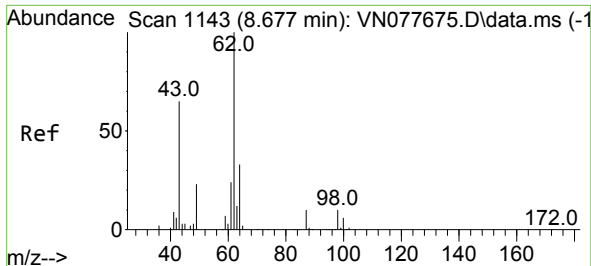
Delta R.T. -0.141 min

Lab File: VN078045.D

Acq: 05 Jun 2023 15:33

Tgt Ion:	117	Resp:	40797
Ion	Ratio	Lower	Upper
117	100		
119	4.5	77.3	115.9#
121	0.0	23.3	34.9#





#42

1,2-Dichloroethane

Concen: 0.295 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.017 min

Lab File: VN078045.D

Acq: 05 Jun 2023 15:33

Instrument :

MSVOA_N

ClientSampleId :

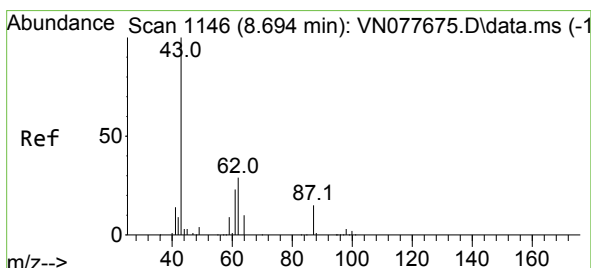
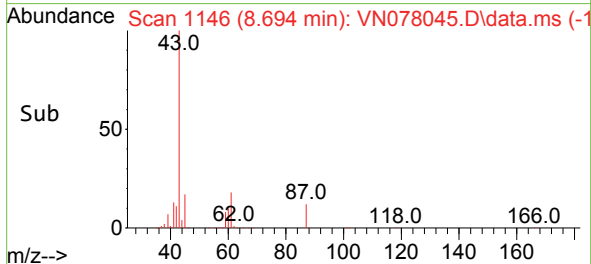
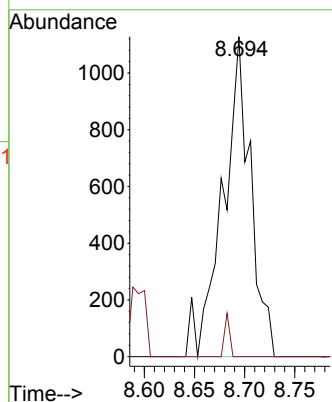
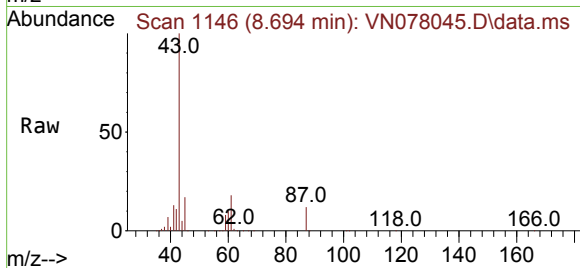
PB153198ZHE#06

Tgt Ion: 62 Resp: 2161

Ion Ratio Lower Upper

62 100

98 2.5 0.0 19.8



#43

Isopropyl Acetate

Concen: 55.545 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN078045.D

Acq: 05 Jun 2023 15:33

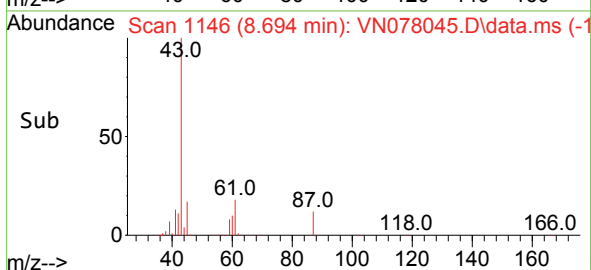
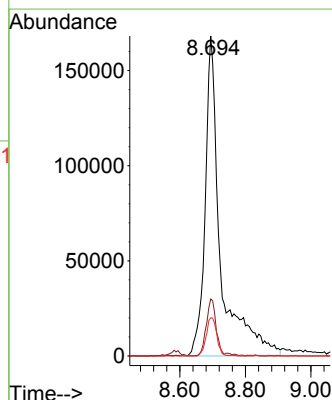
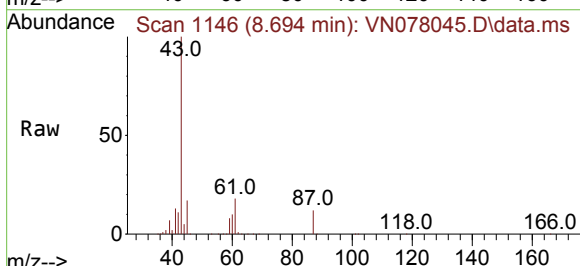
Tgt Ion: 43 Resp: 552274

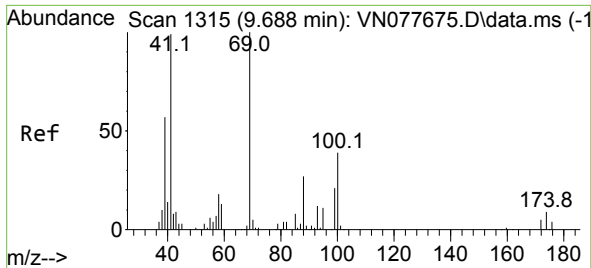
Ion Ratio Lower Upper

43 100

61 11.8 24.7 37.1#

87 8.1 14.6 21.8#

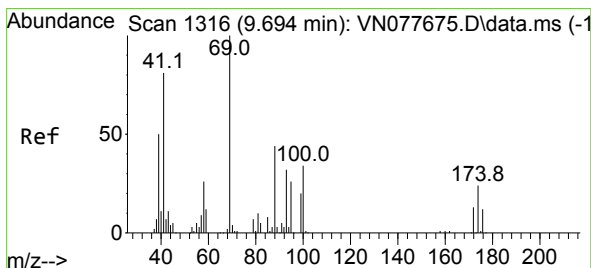
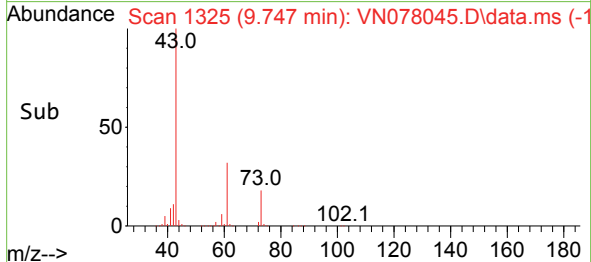
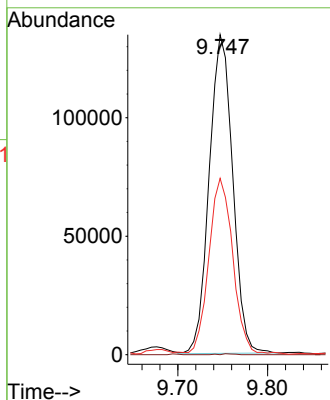
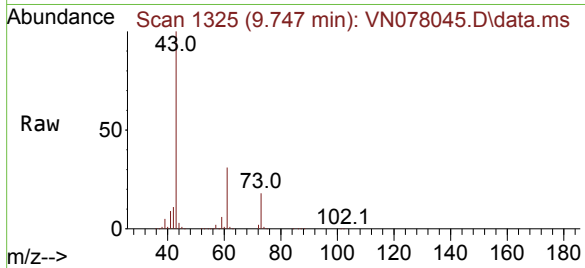




#48
Methyl methacrylate
Concen: 51.857 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.059 min
Lab File: VN078045.D
Acq: 05 Jun 2023 15:33

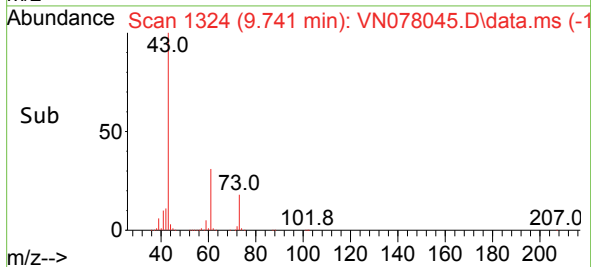
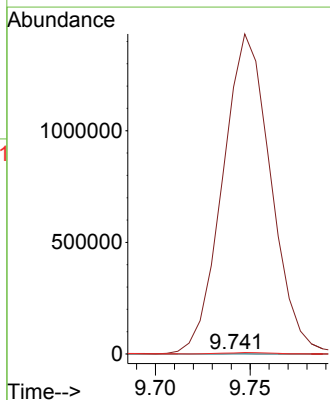
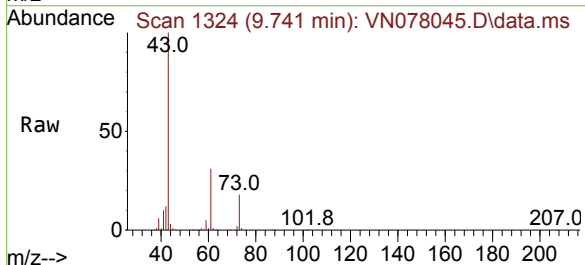
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#06

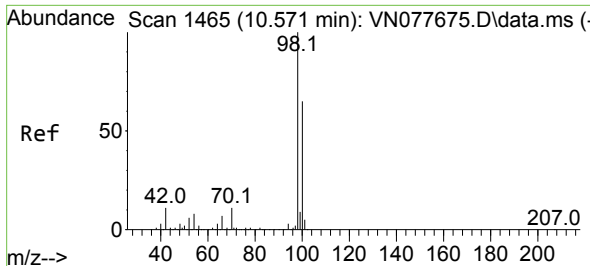
Tgt Ion: 41 Resp: 244459
Ion Ratio Lower Upper
41 100
69 0.2 90.4 135.6#
39 56.8 54.6 81.8



#49
1,4-Dioxane
Concen: 7.166 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN078045.D
Acq: 05 Jun 2023 15:33

Tgt Ion: 88 Resp: 638
Ion Ratio Lower Upper
88 100
43 401768.3 17.0 25.6#
58 1862.5 47.0 70.4#

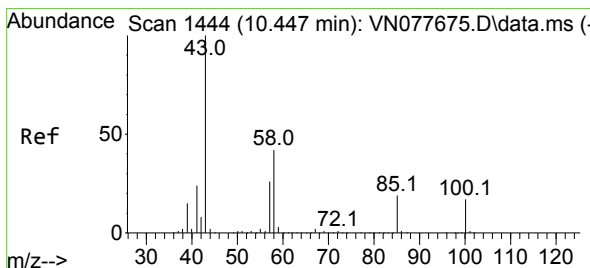
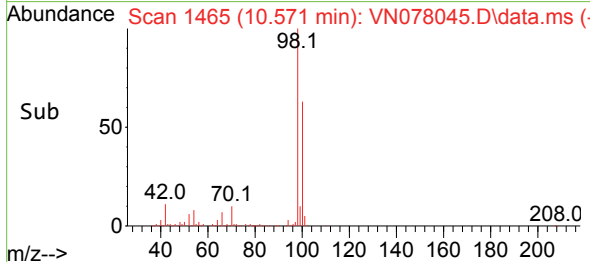
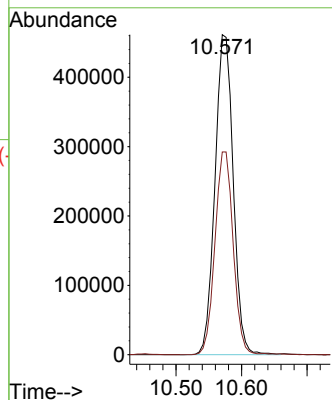
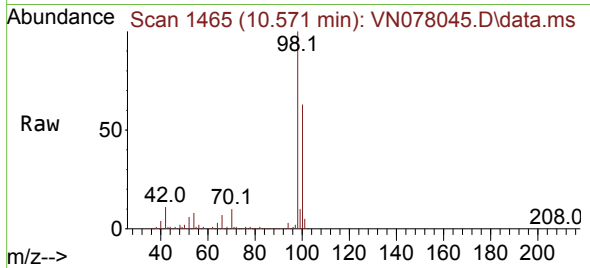




#50
Toluene-d8
Concen: 49.490 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078045.D
Acq: 05 Jun 2023 15:33

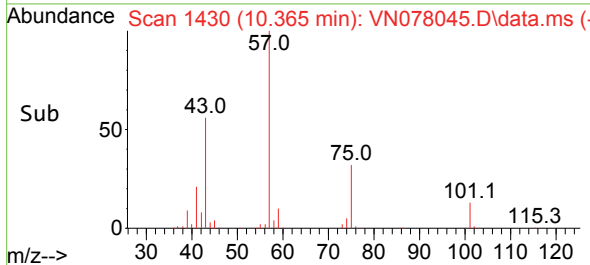
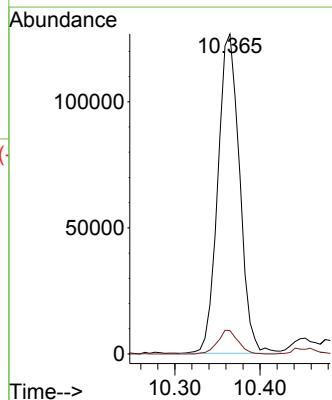
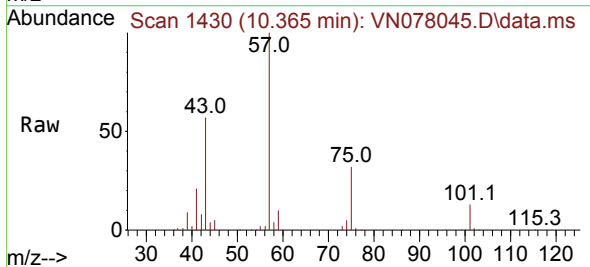
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#06

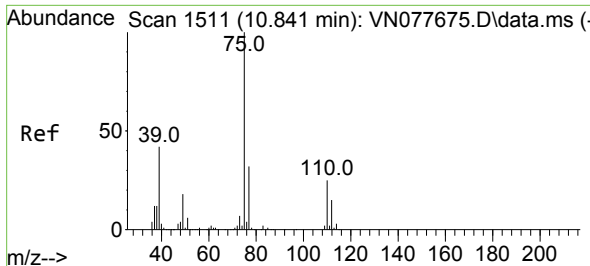
Tgt Ion: 98 Resp: 889456
Ion Ratio Lower Upper
98 100
100 63.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 38.056 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. -0.082 min
Lab File: VN078045.D
Acq: 05 Jun 2023 15:33

Tgt Ion: 43 Resp: 224919
Ion Ratio Lower Upper
43 100
58 7.0 36.6 54.8#

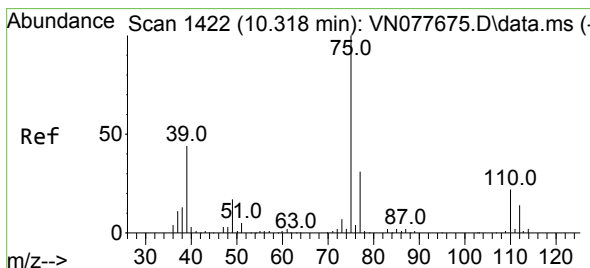
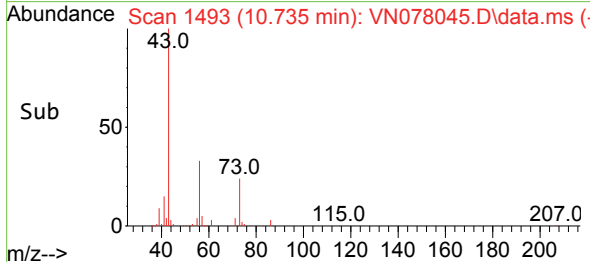
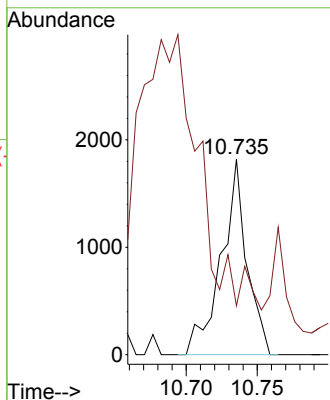
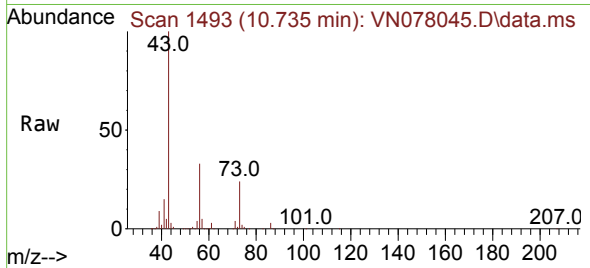




#53
 t-1,3-Dichloropropene
 Concen: 0.305 ug/l
 RT: 10.735 min Scan# 1493
 Delta R.T. -0.106 min
 Lab File: VN078045.D
 Acq: 05 Jun 2023 15:33

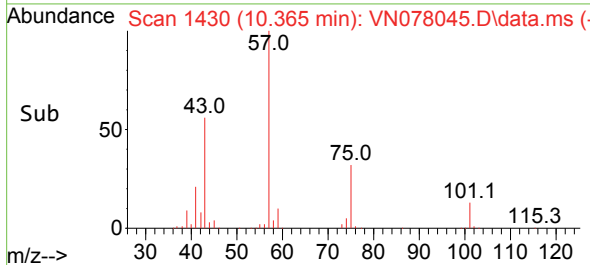
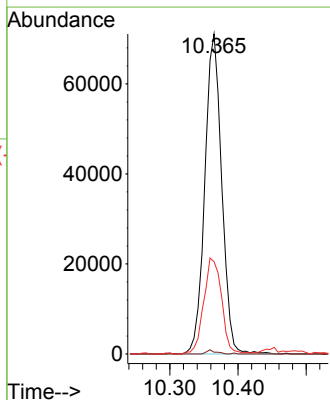
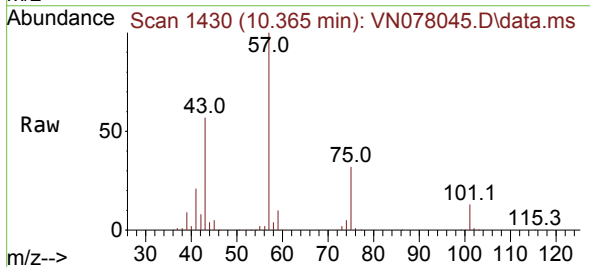
Instrument :
 MSVOA_N
 ClientSampleId :
 PB153198ZHE#06

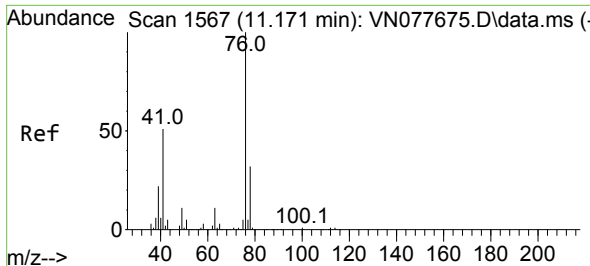
Tgt Ion: 75 Resp: 2272
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 14.916 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN078045.D
 Acq: 05 Jun 2023 15:33

Tgt Ion: 75 Resp: 122588
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.1 39.1#
 39 28.9 31.6 47.4#





#57

1,3-Dichloropropane

Concen: 1.700 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.035 min

Lab File: VN078045.D

Acq: 05 Jun 2023 15:33

Instrument :

MSVOA_N

ClientSampleId :

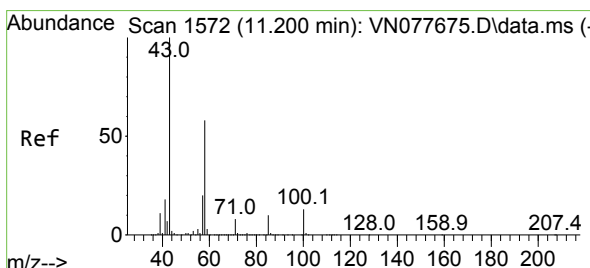
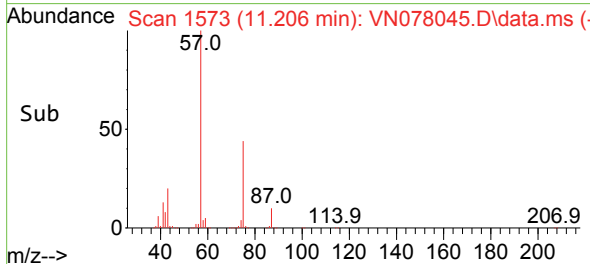
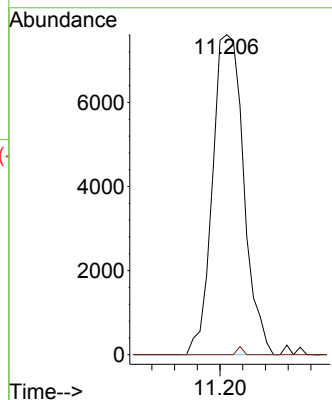
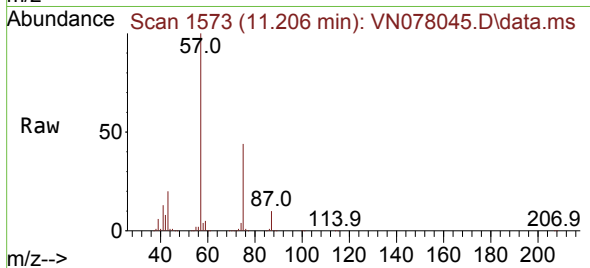
PB153198ZHE#06

Tgt Ion: 76 Resp: 14516

Ion Ratio Lower Upper

76 100

78 0.5 26.1 39.1#



#59

2-Hexanone

Concen: 37.581 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN078045.D

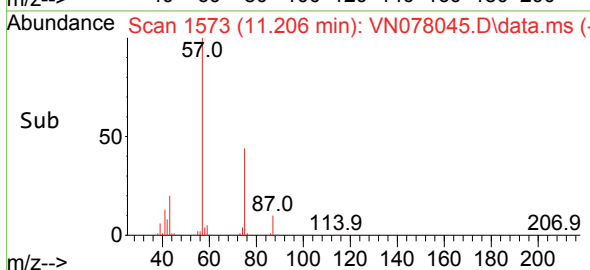
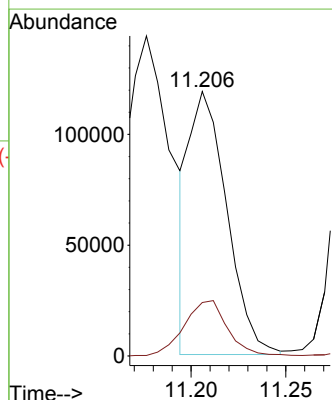
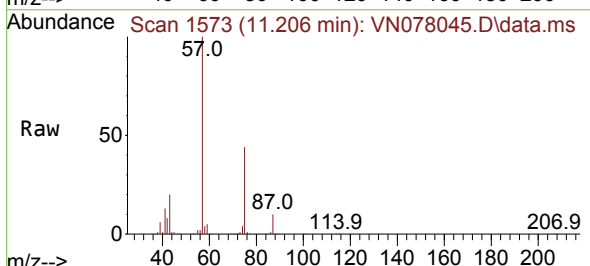
Acq: 05 Jun 2023 15:33

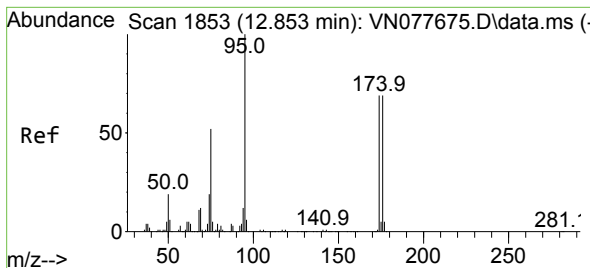
Tgt Ion: 43 Resp: 164284

Ion Ratio Lower Upper

43 100

58 24.5 31.7 95.1#

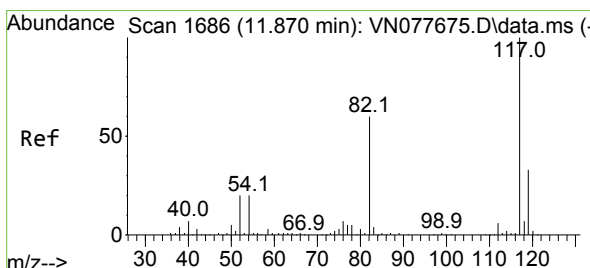
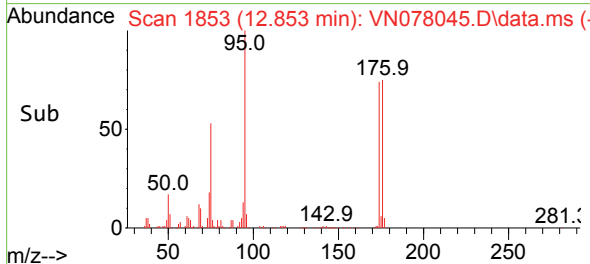
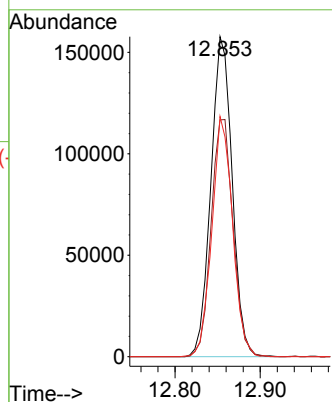
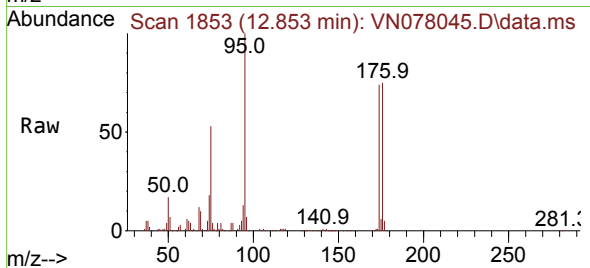




#62
4-Bromofluorobenzene
Concen: 43.109 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078045.D
Acq: 05 Jun 2023 15:33

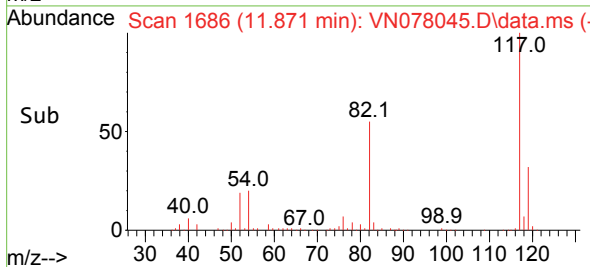
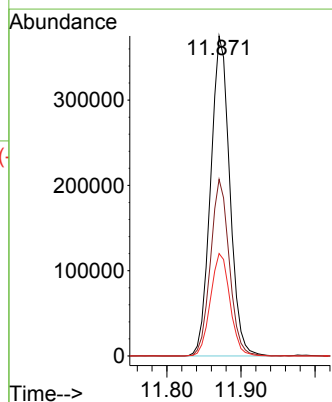
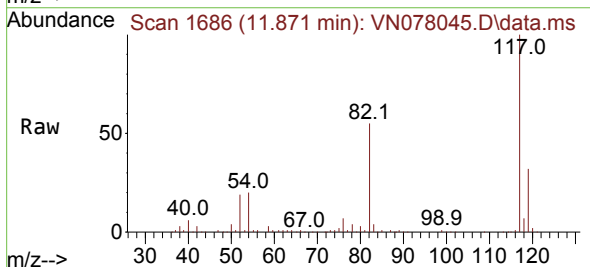
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#06

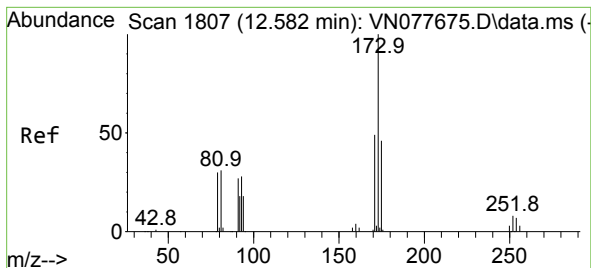
Tgt Ion: 95 Resp: 273633
Ion Ratio Lower Upper
95 100
174 76.5 0.0 143.8
176 73.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN078045.D
Acq: 05 Jun 2023 15:33

Tgt Ion: 117 Resp: 673770
Ion Ratio Lower Upper
117 100
82 55.2 44.0 66.0
119 32.0 25.6 38.4





#71

Bromoform

Concen: 0.554 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN078045.D

Acq: 05 Jun 2023 15:33

Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#06

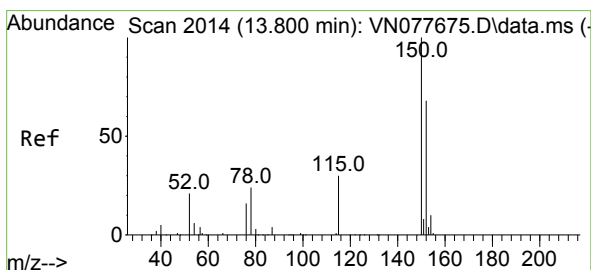
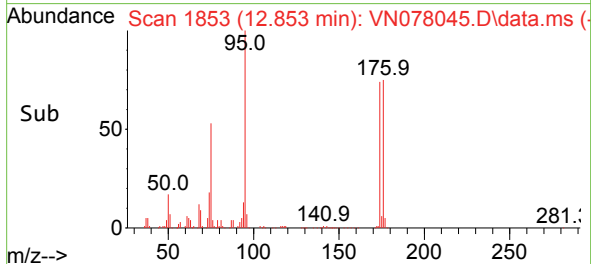
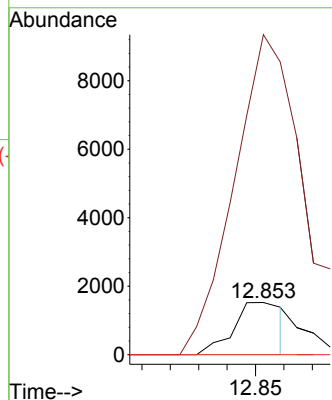
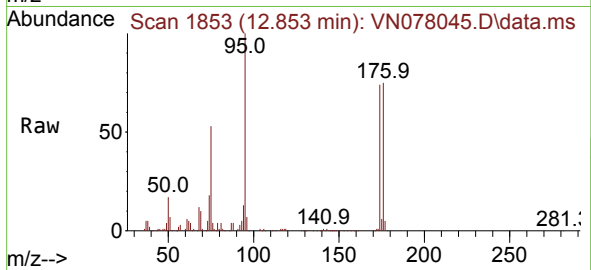
Tgt Ion:173 Resp: 1862

Ion Ratio Lower Upper

173 100

175 612.9 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078045.D

Acq: 05 Jun 2023 15:33

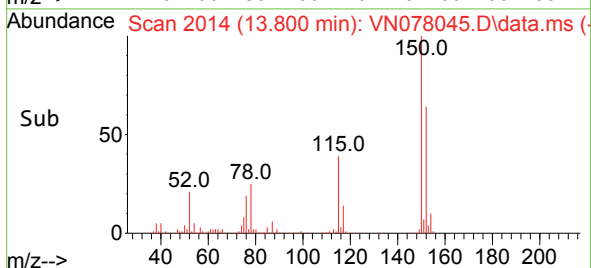
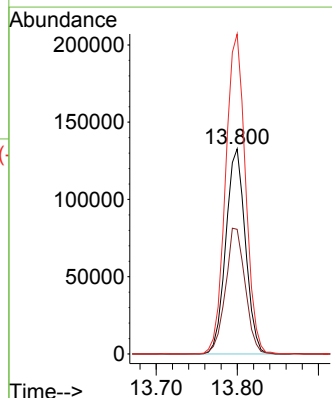
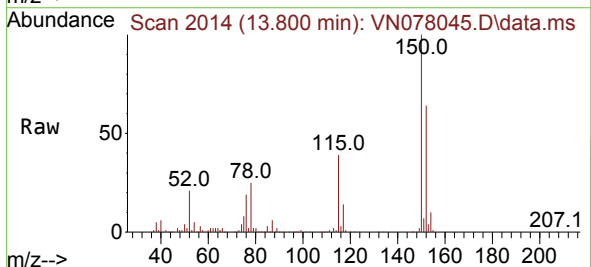
Tgt Ion:152 Resp: 222413

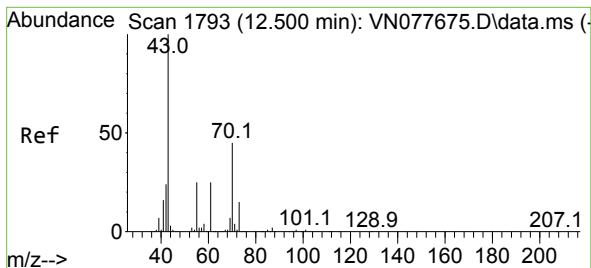
Ion Ratio Lower Upper

152 100

115 61.8 32.3 96.8

150 158.6 0.0 355.8





#74

N-amy1 acetate

Concen: 0.393 ug/l

RT: 12.494 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN078045.D

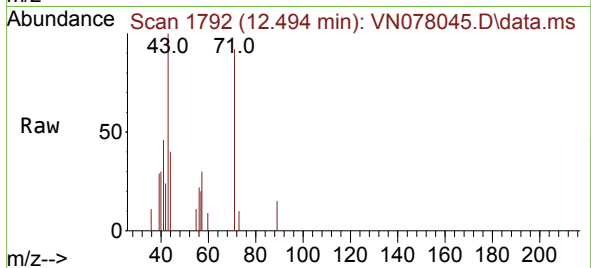
Acq: 05 Jun 2023 15:33

Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#06



Tgt Ion: 43 Resp: 2788

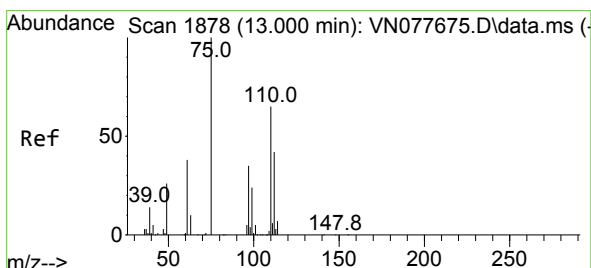
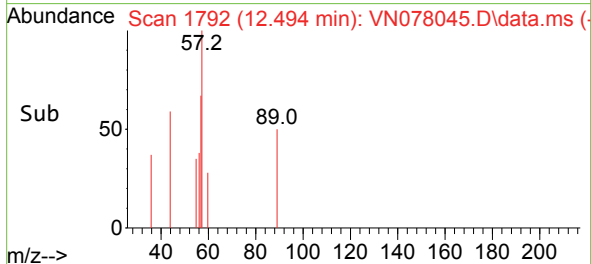
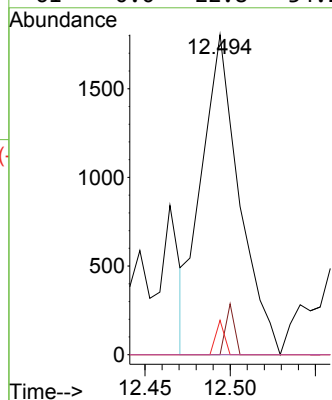
Ion Ratio Lower Upper

43 100

70 3.6 43.4 65.2#

55 0.0 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 25.909 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078045.D

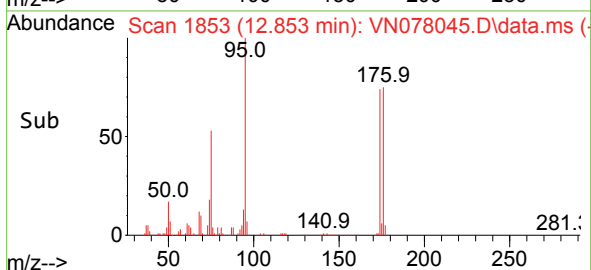
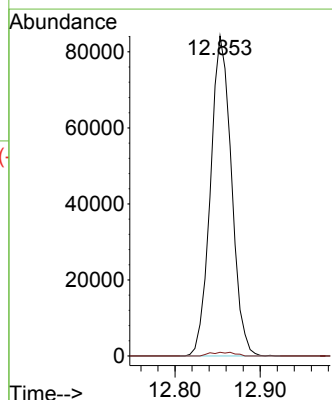
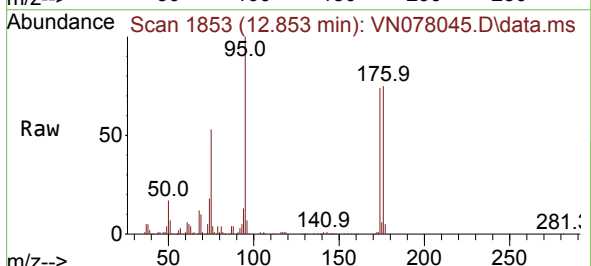
Acq: 05 Jun 2023 15:33

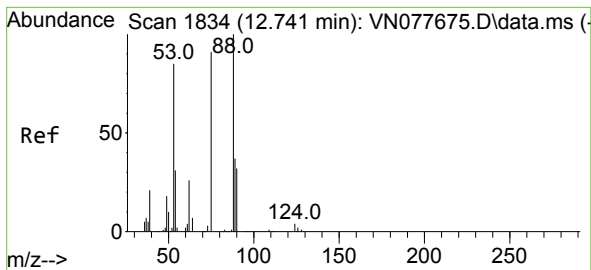
Tgt Ion: 75 Resp: 144314

Ion Ratio Lower Upper

75 100

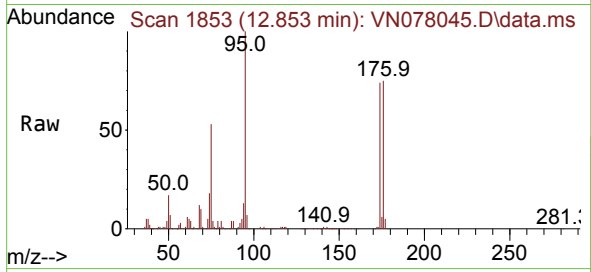
77 1.4 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.819 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078045.D
 Acq: 05 Jun 2023 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153198ZHE#06



Tgt Ion: 75 Resp: 144314
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.2 38.8 58.2#

