

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031423\
 Data File : VN076985.D
 Acq On : 14 Mar 2023 16:21
 Operator : JC\MD
 Sample : PB151382ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB151382ZHE#04

Quant Time: Mar 15 04:25:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

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

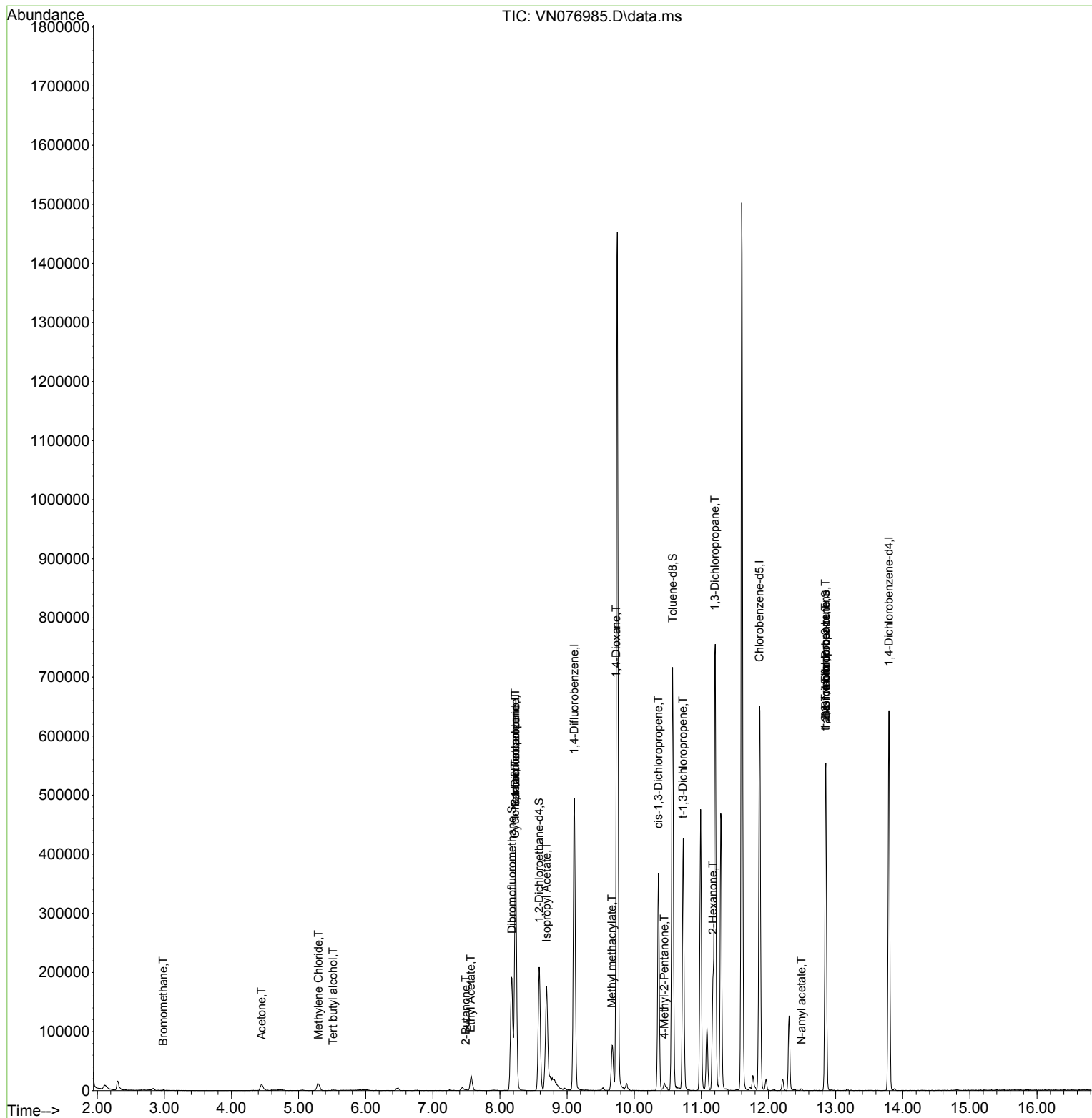
Internal Standards						
1) Pentafluorobenzene	8.230	168	268258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	407487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	374132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	163517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	201154	50.249	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.500%			
35) Dibromofluoromethane	8.178	113	131950	48.587	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.180%			
50) Toluene-d8	10.571	98	482846	48.242	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.480%			
62) 4-Bromofluorobenzene	12.854	95	186496	50.942	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.880%			
Target Compounds					Qvalue	
5) Bromomethane	2.984	94	621	0.348	ug/l #	46
11) Tert butyl alcohol	5.513	59	351	0.630	ug/l #	72
16) Acetone	4.448	43	21163	15.256	ug/l #	86
20) Methylene Chloride	5.295	84	10272	2.880	ug/l	91
25) 2-Butanone	7.489	43	2883	1.461	ug/l #	64
31) Cyclohexane	8.225	56	6299	1.097	ug/l #	33
36) 1,1-Dichloropropene	8.230	75	23003	5.477	ug/l #	53
37) Ethyl Acetate	7.566	43	35843	10.671	ug/l	95
38) Carbon Tetrachloride	8.230	117	33015	6.716	ug/l #	15
43) Isopropyl Acetate	8.695	43	223677	37.723	ug/l #	75
48) Methyl methacrylate	9.666	41	4638	1.596	ug/l #	29
49) 1,4-Dioxane	9.730	88	195	3.545	ug/l #	30
51) 4-Methyl-2-Pentanone	10.448	43	12203	3.426	ug/l #	68
53) t-1,3-Dichloropropene	10.724	75	1173	0.261	ug/l #	43
54) cis-1,3-Dichloropropene	10.360	75	68264	13.815	ug/l #	73
57) 1,3-Dichloropropane	11.201	76	8739	1.672	ug/l #	42
59) 2-Hexanone	11.171	43	131927	50.797	ug/l #	17
71) Bromoform	12.854	173	997	0.421	ug/l #	1
74) N-amyl acetate	12.489	43	1326	0.275	ug/l #	33
76) 1,2,3-Trichloropropane	12.848	75	114193	28.805	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	114193	94.091	ug/l #	15

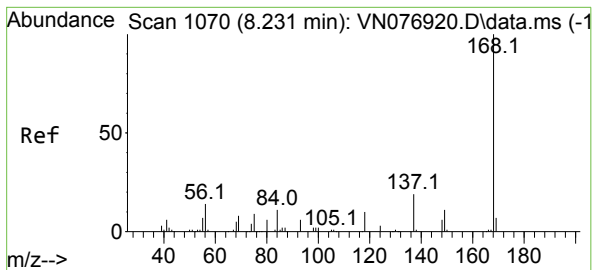
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN076985.D

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Instrument :

MSVOA_N

ClientSampleId :

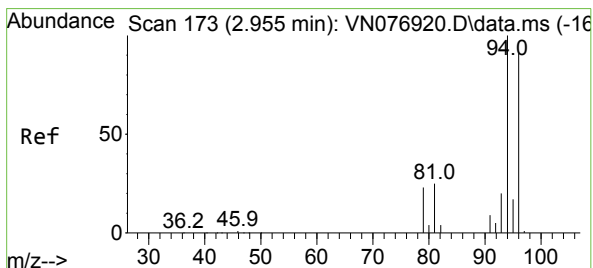
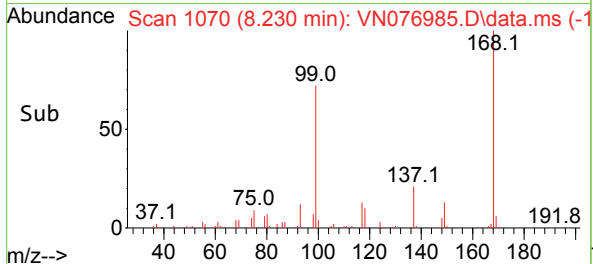
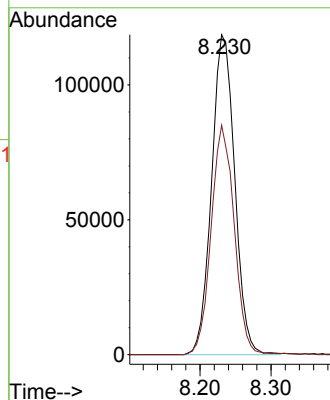
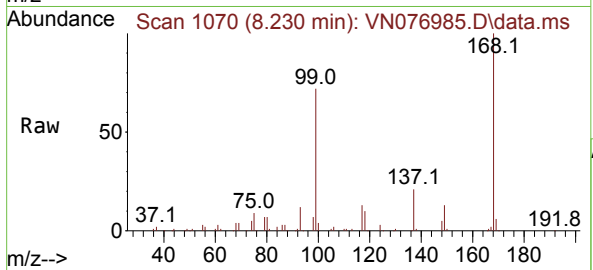
PB151382ZHE#04

Tgt Ion:168 Resp: 268258

Ion Ratio Lower Upper

168 100

99 71.7 48.6 73.0



#5

Bromomethane

Concen: 0.348 ug/l

RT: 2.984 min Scan# 178

Delta R.T. 0.029 min

Lab File: VN076985.D

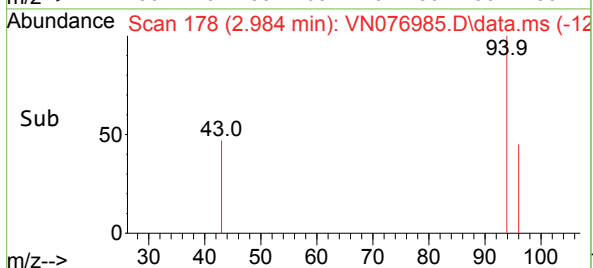
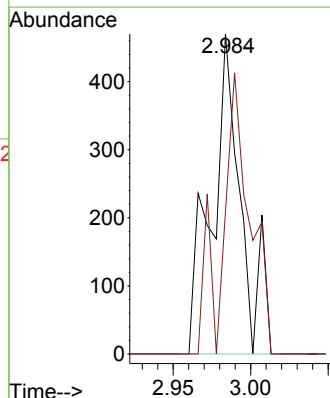
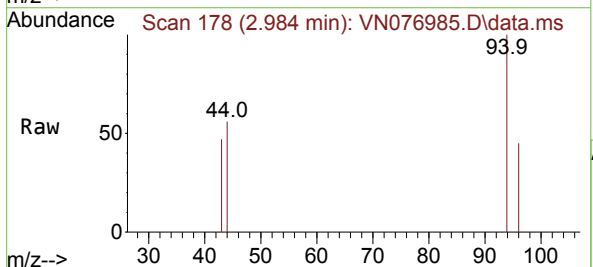
Acq: 14 Mar 2023 16:21

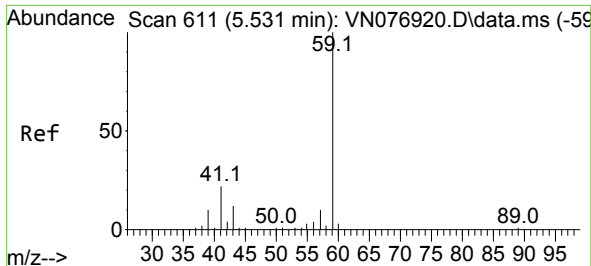
Tgt Ion: 94 Resp: 621

Ion Ratio Lower Upper

94 100

96 44.7 79.0 118.6#

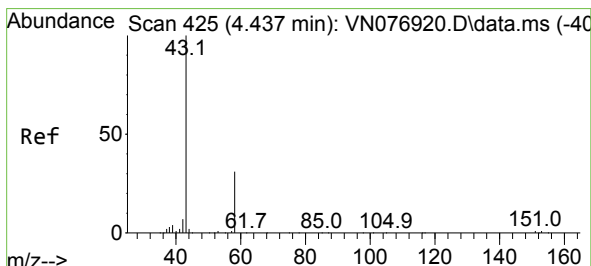
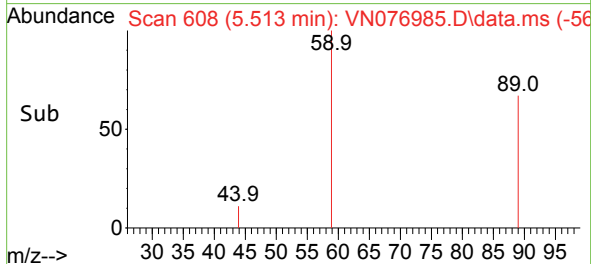
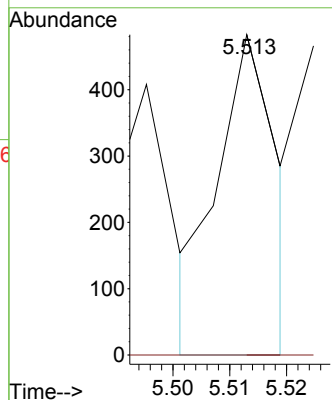
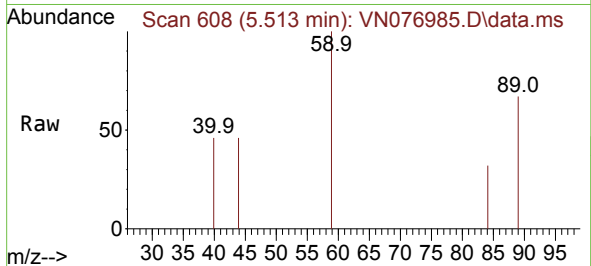




#11
Tert butyl alcohol
Concen: 0.630 ug/l
RT: 5.513 min Scan# 608
Delta R.T. -0.018 min
Lab File: VN076985.D
Acq: 14 Mar 2023 16:21

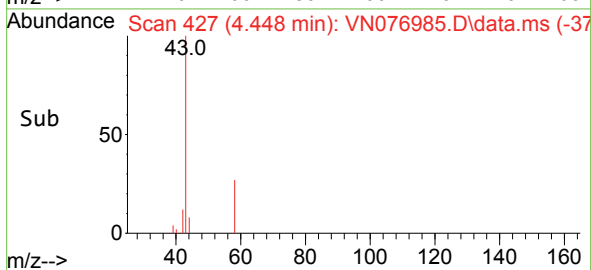
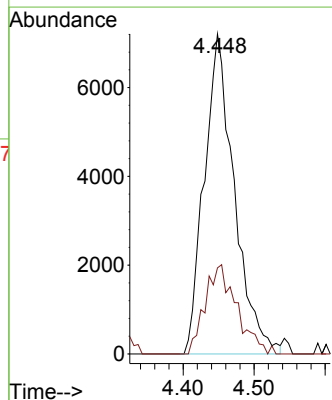
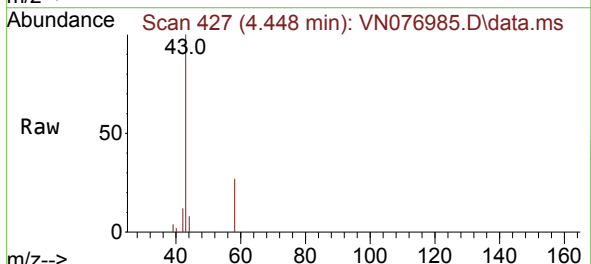
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#04

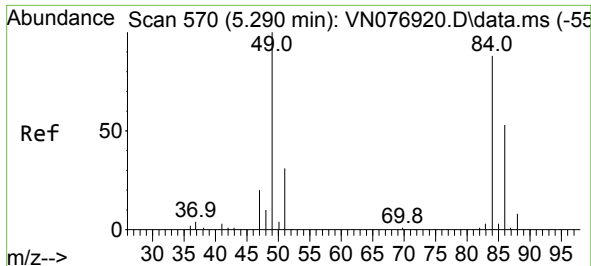
Tgt Ion: 59 Resp: 351
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 15.256 ug/l
RT: 4.448 min Scan# 427
Delta R.T. 0.011 min
Lab File: VN076985.D
Acq: 14 Mar 2023 16:21

Tgt Ion: 43 Resp: 21163
Ion Ratio Lower Upper
43 100
58 26.9 28.2 42.2#

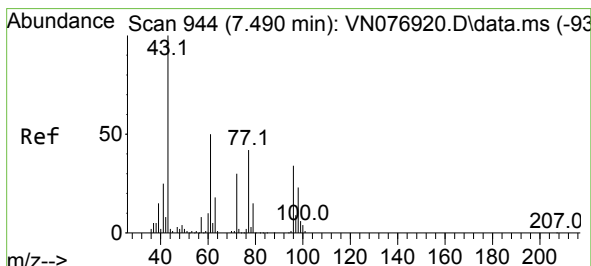
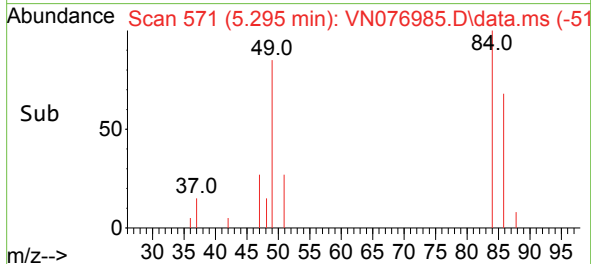
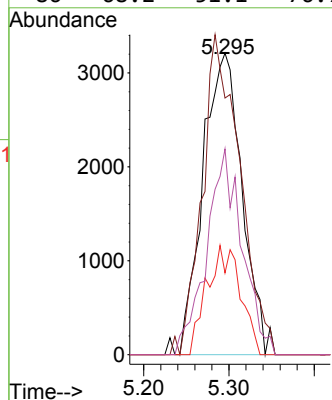
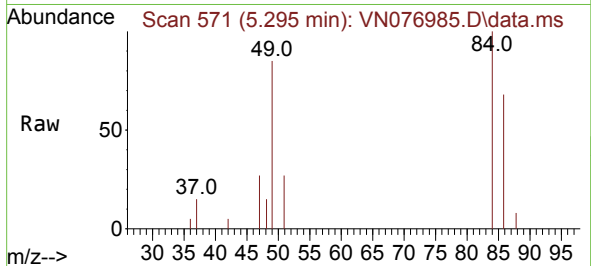




#20
Methylene Chloride
Concen: 2.880 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN076985.D
Acq: 14 Mar 2023 16:21

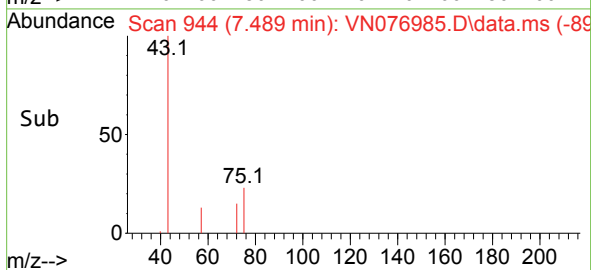
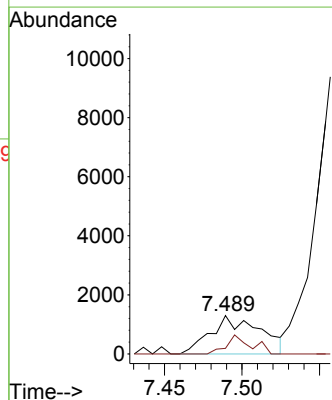
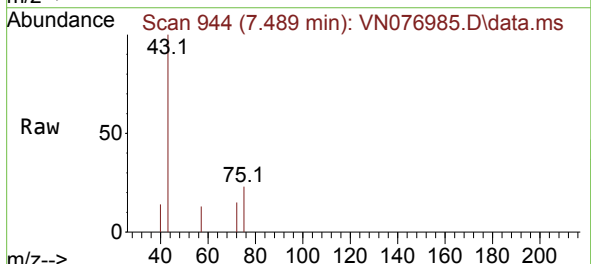
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#04

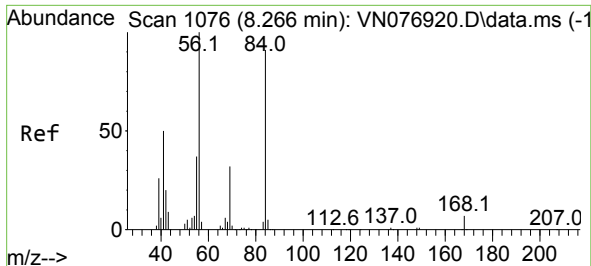
Tgt Ion:	84	Resp:	10272
Ion	Ratio	Lower	Upper
84	100		
49	85.1	76.6	114.8
51	27.1	25.4	38.2
86	68.2	51.1	76.7



#25
2-Butanone
Concen: 1.461 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.001 min
Lab File: VN076985.D
Acq: 14 Mar 2023 16:21

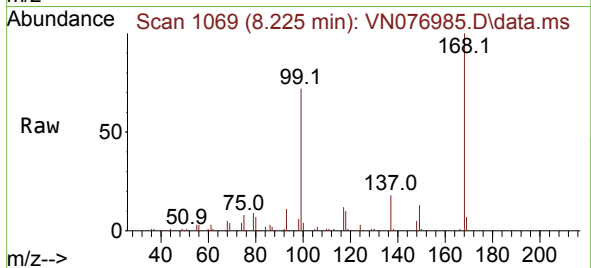
Tgt Ion:	43	Resp:	2883
Ion	Ratio	Lower	Upper
43	100		
72	14.7	28.8	43.2#



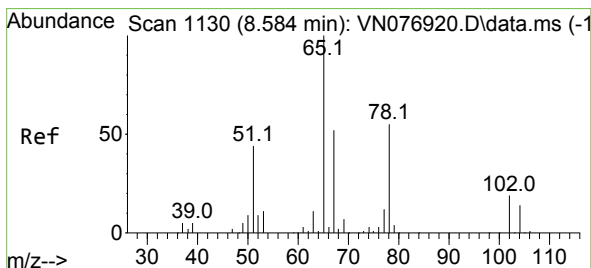
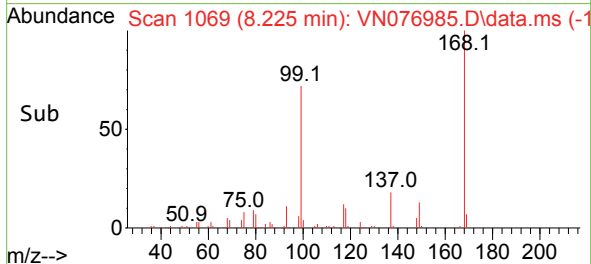
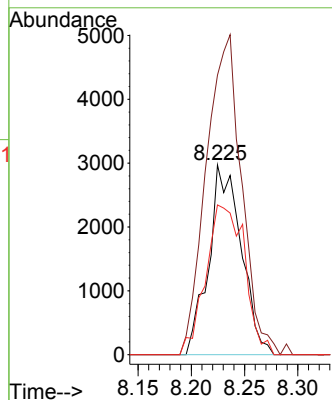


#31
Cyclohexane
Concen: 1.097 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.041 min
Lab File: VN076985.D
Acq: 14 Mar 2023 16:21

Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#04

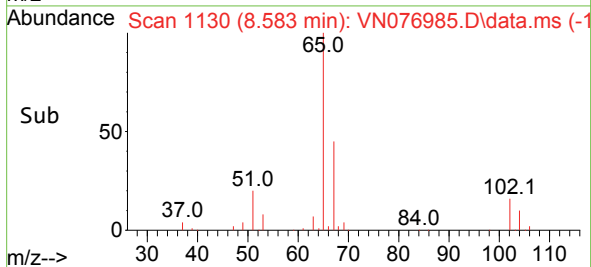
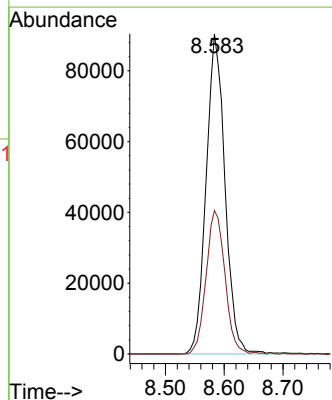
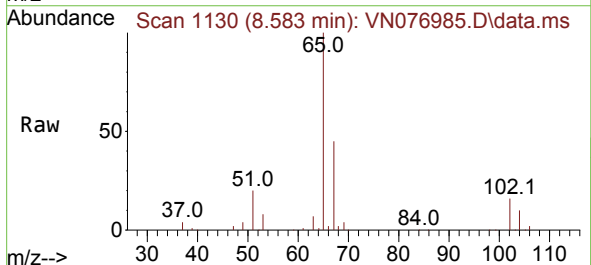


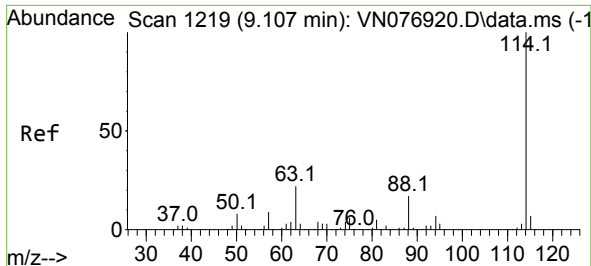
Tgt Ion: 56 Resp: 6299
Ion Ratio Lower Upper
56 100
69 147.3 27.0 40.6#
84 79.0 82.9 124.3#



#33
1,2-Dichloroethane-d4
Concen: 50.249 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.001 min
Lab File: VN076985.D
Acq: 14 Mar 2023 16:21

Tgt Ion: 65 Resp: 201154
Ion Ratio Lower Upper
65 100
67 45.0 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076985.D

Acq: 14 Mar 2023 16:21

Instrument :

MSVOA_N

ClientSampleId :

PB151382ZHE#04

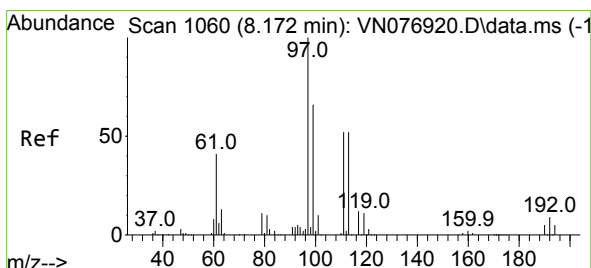
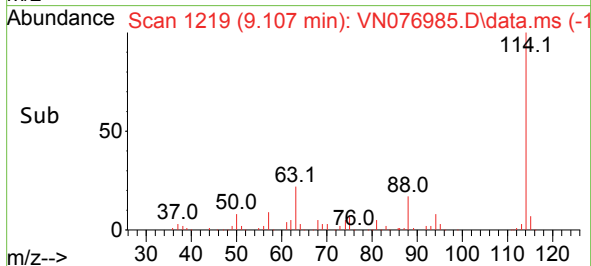
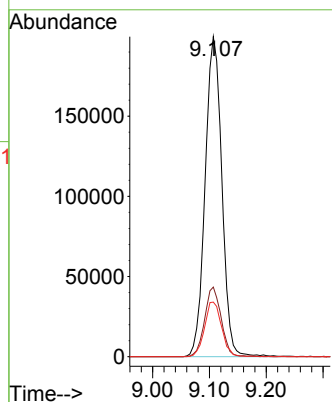
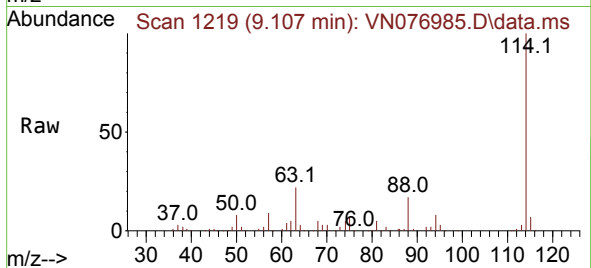
Tgt Ion:114 Resp: 407487

Ion Ratio Lower Upper

114 100

63 21.7 0.0 36.6

88 17.1 0.0 28.6



#35

Dibromofluoromethane

Concen: 48.587 ug/l

RT: 8.178 min Scan# 1061

Delta R.T. 0.006 min

Lab File: VN076985.D

Acq: 14 Mar 2023 16:21

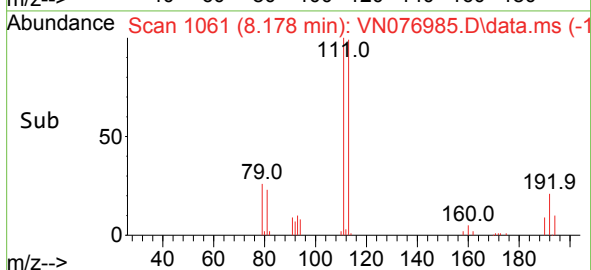
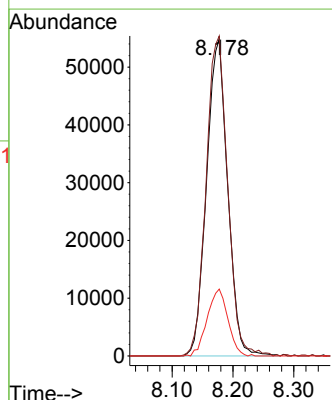
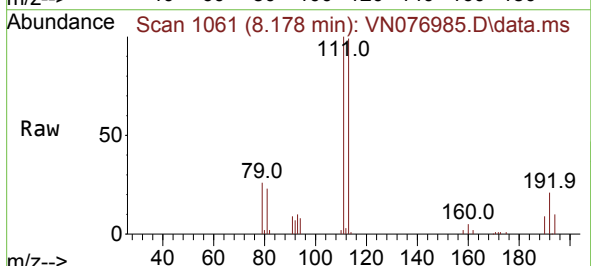
Tgt Ion:113 Resp: 131950

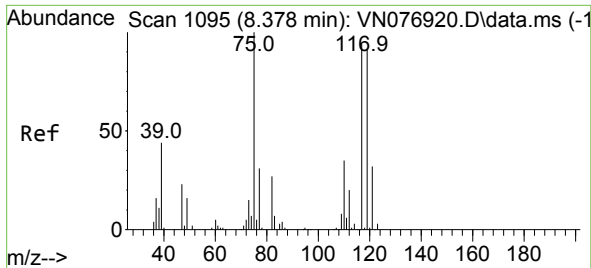
Ion Ratio Lower Upper

113 100

111 103.2 81.8 122.8

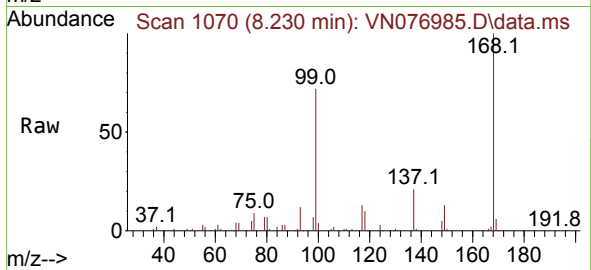
192 20.8 13.9 20.9



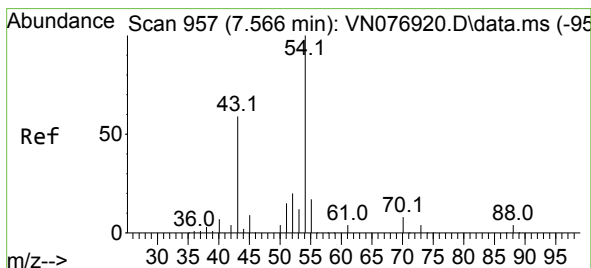
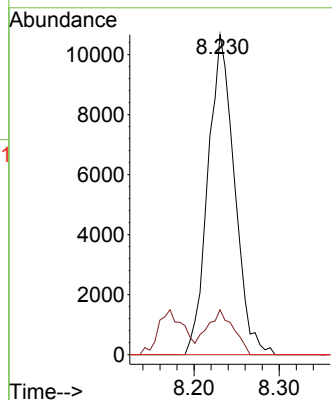
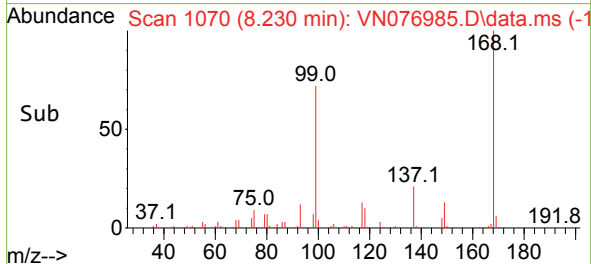


#36
1,1-Dichloropropene
Concen: 5.477 ug/l
RT: 8.230 min Scan# 1095
Delta R.T. -0.148 min
Lab File: VN076985.D
Acq: 14 Mar 2023 16:21

Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#04

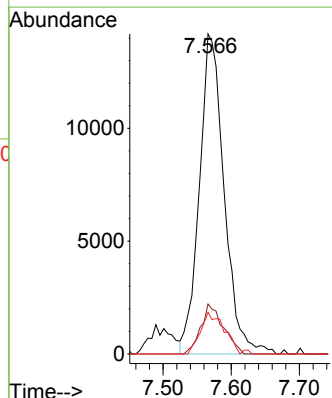
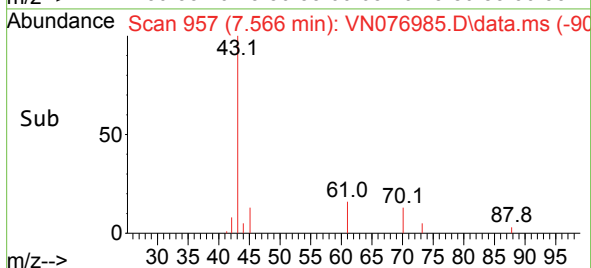
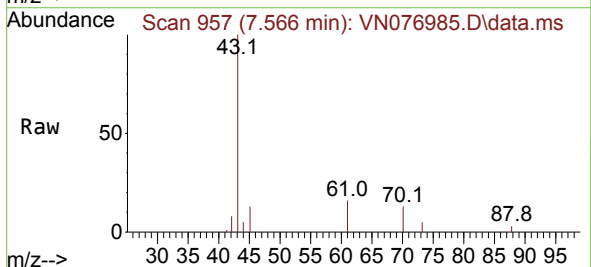


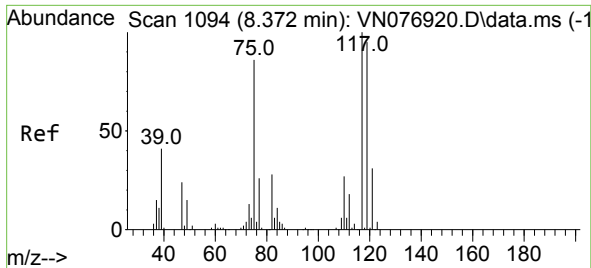
Tgt Ion: 75 Resp: 23003
Ion Ratio Lower Upper
75 100
110 13.9 18.9 56.9#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 10.671 ug/l
RT: 7.566 min Scan# 957
Delta R.T. -0.000 min
Lab File: VN076985.D
Acq: 14 Mar 2023 16:21

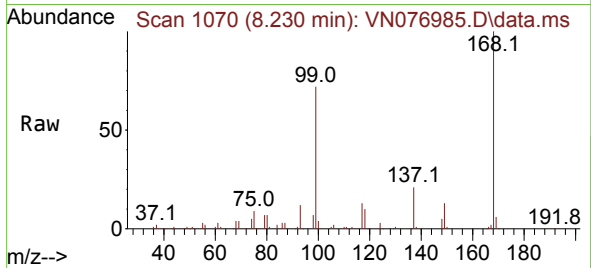
Tgt Ion: 43 Resp: 35843
Ion Ratio Lower Upper
43 100
61 14.2 13.5 20.3
70 12.4 11.0 16.6



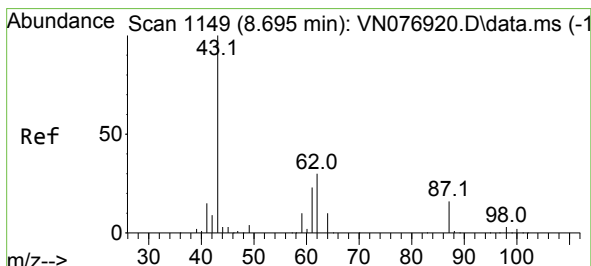
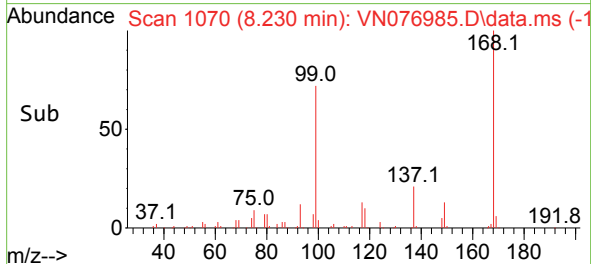
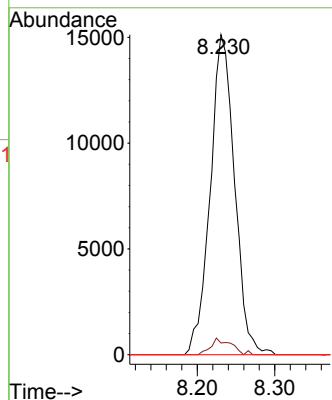


#38
Carbon Tetrachloride
Concen: 6.716 ug/l
RT: 8.230 min Scan# 1094
Delta R.T. -0.142 min
Lab File: VN076985.D
Acq: 14 Mar 2023 16:21

Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#04

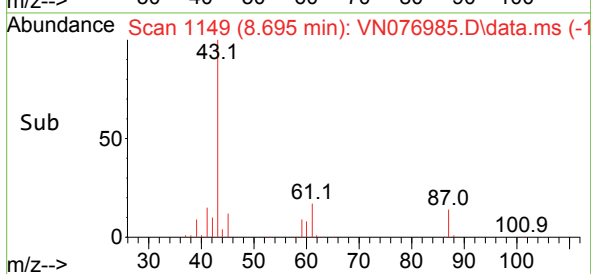
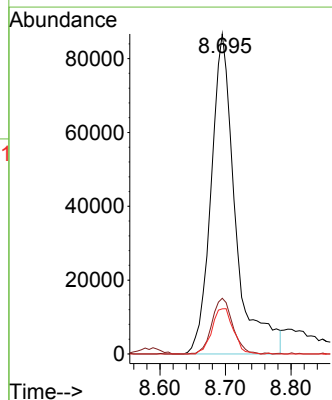
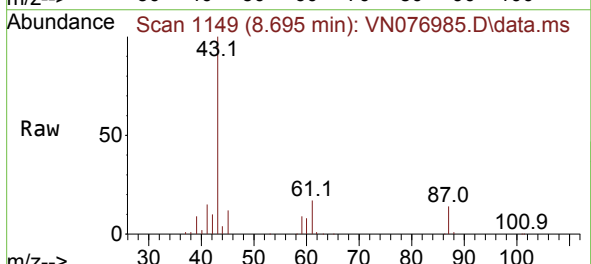


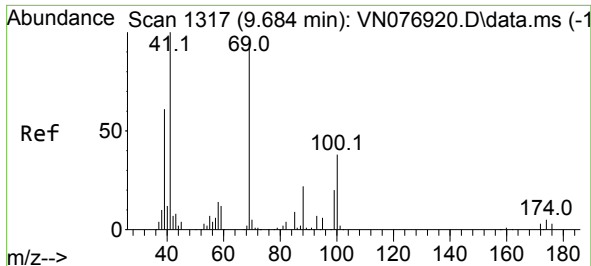
Tgt Ion:117 Resp: 33015
Ion Ratio Lower Upper
117 100
119 3.7 76.9 115.3#
121 0.0 23.2 34.8#



#43
Isopropyl Acetate
Concen: 37.723 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN076985.D
Acq: 14 Mar 2023 16:21

Tgt Ion: 43 Resp: 223677
Ion Ratio Lower Upper
43 100
61 14.8 26.2 39.2#
87 12.4 14.8 22.2#

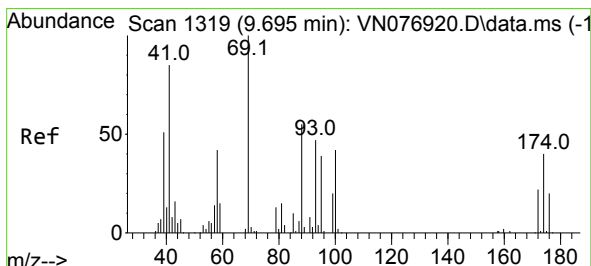
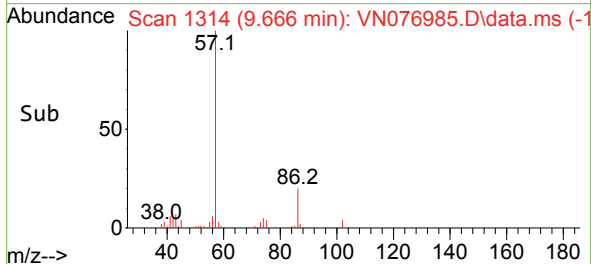
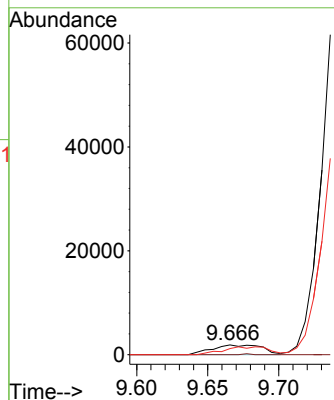
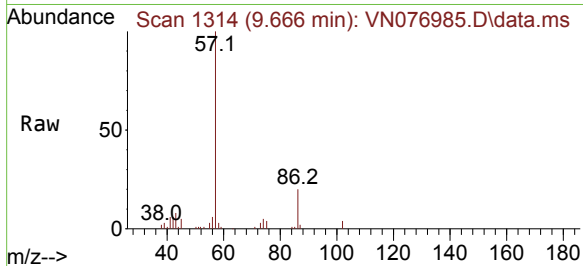




#48
Methyl methacrylate
Concen: 1.596 ug/l
RT: 9.666 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN076985.D
Acq: 14 Mar 2023 16:21

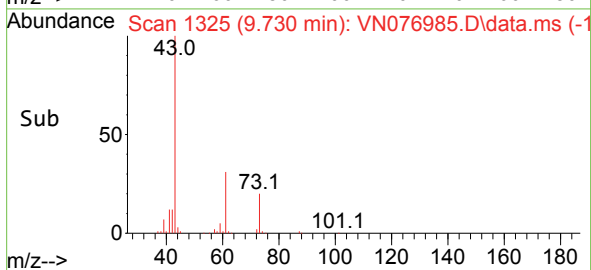
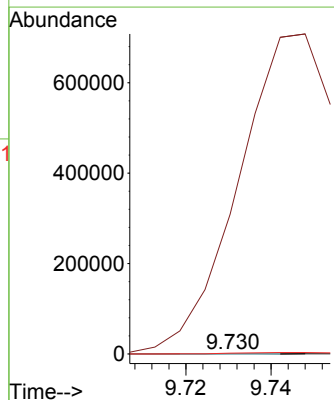
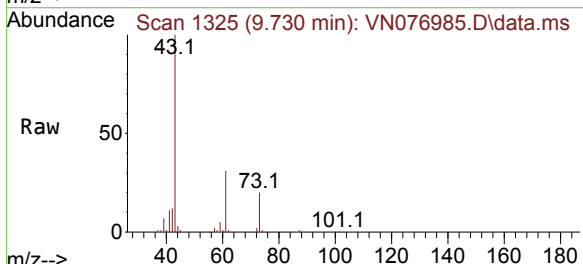
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#04

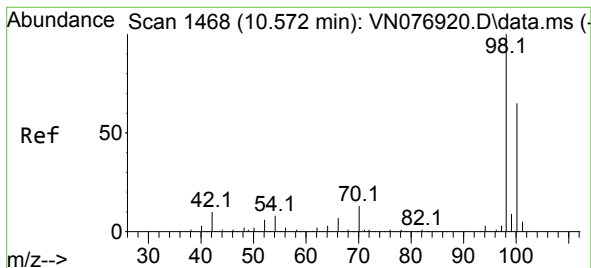
Tgt Ion: 41 Resp: 4638
Ion Ratio Lower Upper
41 100
69 1.4 92.6 139.0#
39 72.1 51.4 77.0



#49
1,4-Dioxane
Concen: 3.545 ug/l
RT: 9.730 min Scan# 1325
Delta R.T. 0.035 min
Lab File: VN076985.D
Acq: 14 Mar 2023 16:21

Tgt Ion: 88 Resp: 195
Ion Ratio Lower Upper
88 100
43 0.0 15.3 22.9#
58 0.0 47.6 71.4#

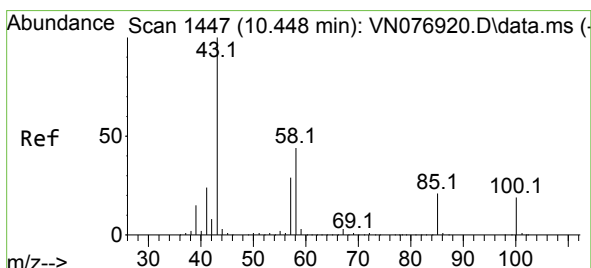
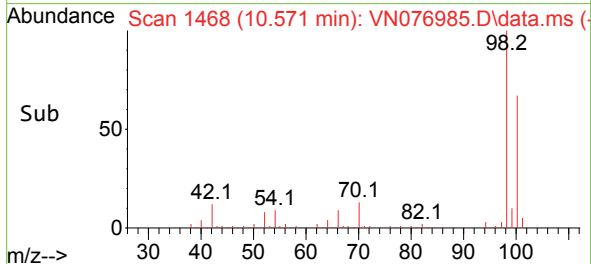
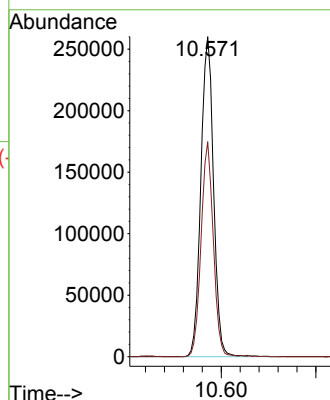
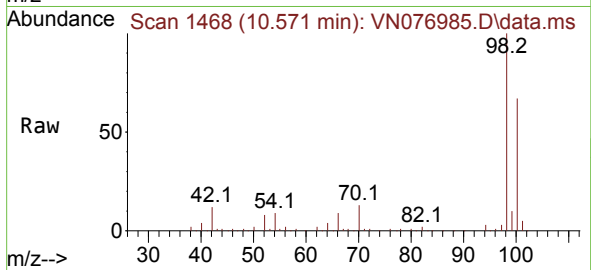




#50
Toluene-d8
Concen: 48.242 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.001 min
Lab File: VN076985.D
Acq: 14 Mar 2023 16:21

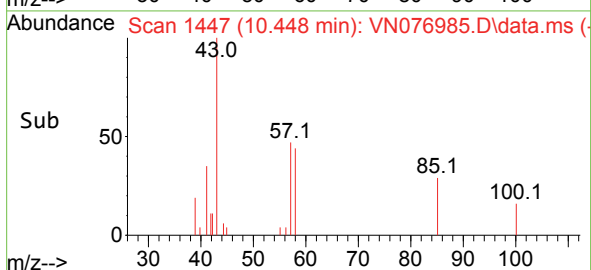
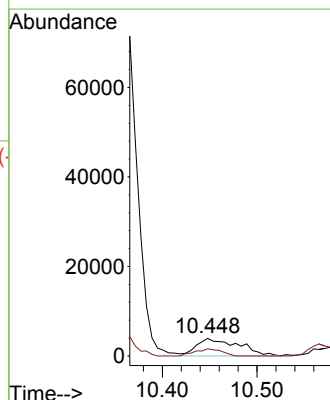
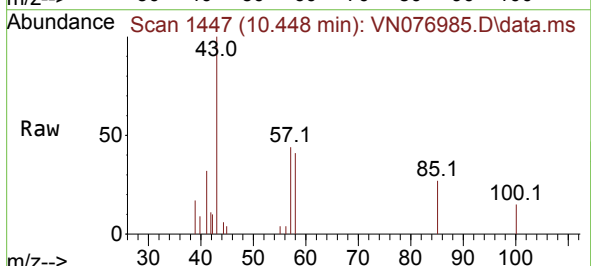
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#04

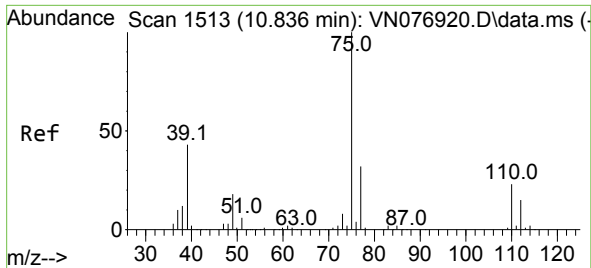
Tgt Ion: 98 Resp: 482846
Ion Ratio Lower Upper
98 100
100 64.8 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 3.426 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN076985.D
Acq: 14 Mar 2023 16:21

Tgt Ion: 43 Resp: 12203
Ion Ratio Lower Upper
43 100
58 25.4 37.4 56.0#

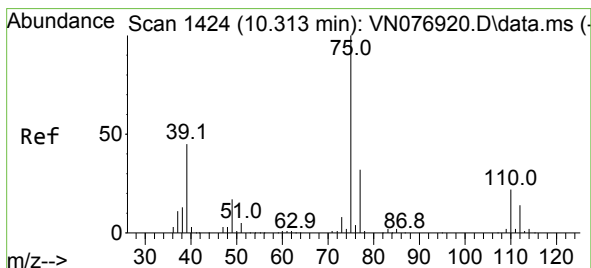
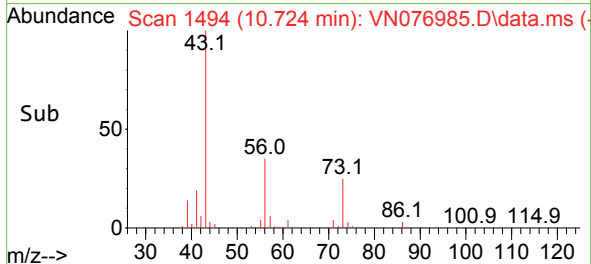
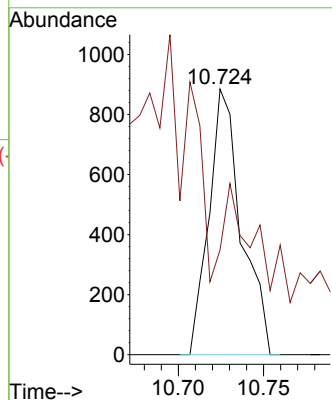
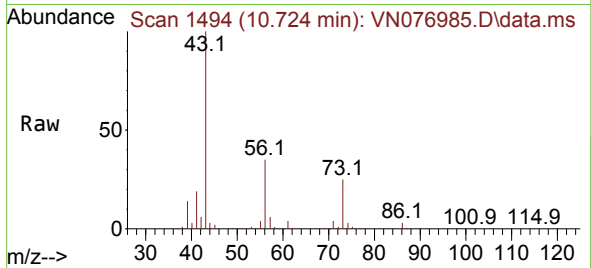




#53
 t-1,3-Dichloropropene
 Concen: 0.261 ug/l
 RT: 10.724 min Scan# 1494
 Delta R.T. -0.112 min
 Lab File: VN076985.D
 Acq: 14 Mar 2023 16:21

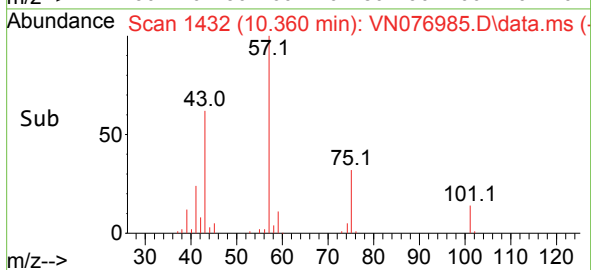
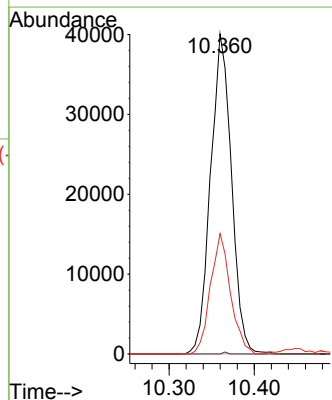
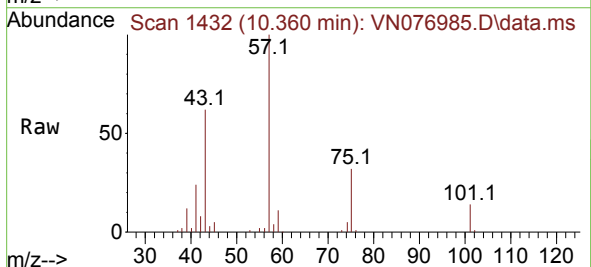
Instrument :
 MSVOA_N
 ClientSampleId :
 PB151382ZHE#04

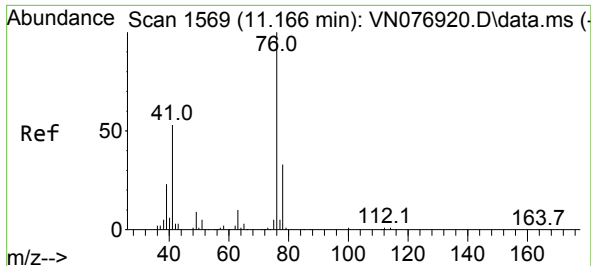
Tgt Ion: 75 Resp: 1173
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#



#54
 cis-1,3-Dichloropropene
 Concen: 13.815 ug/l
 RT: 10.360 min Scan# 1432
 Delta R.T. 0.047 min
 Lab File: VN076985.D
 Acq: 14 Mar 2023 16:21

Tgt Ion: 75 Resp: 68264
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#
 39 37.6 29.7 44.5





#57

1,3-Dichloropropane

Concen: 1.672 ug/l

RT: 11.201 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN076985.D

Acq: 14 Mar 2023 16:21

Instrument :

MSVOA_N

ClientSampleId :

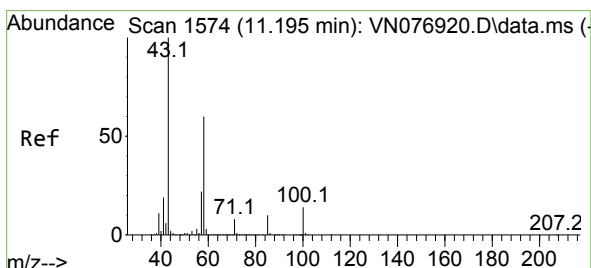
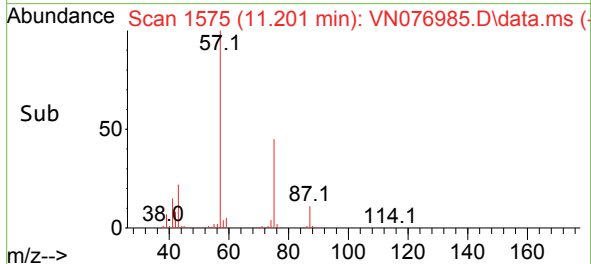
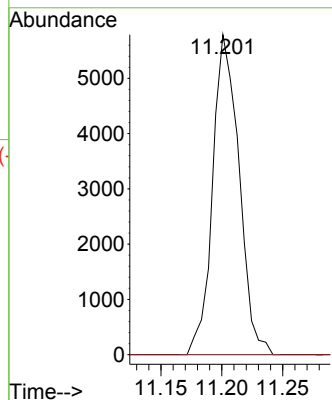
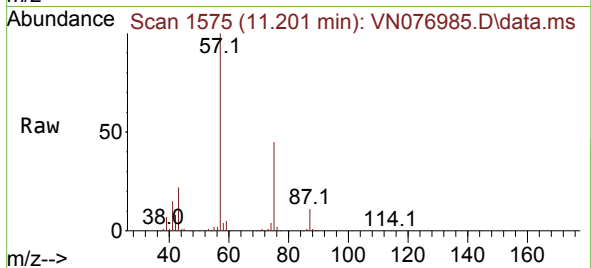
PB151382ZHE#04

Tgt Ion: 76 Resp: 8739

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 50.797 ug/l

RT: 11.171 min Scan# 1570

Delta R.T. -0.024 min

Lab File: VN076985.D

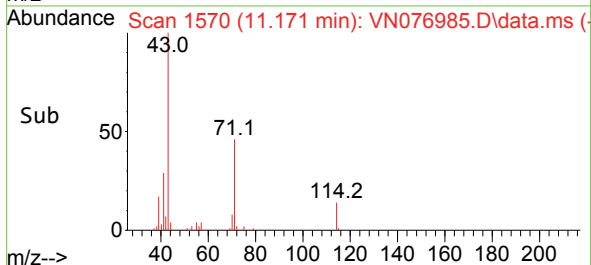
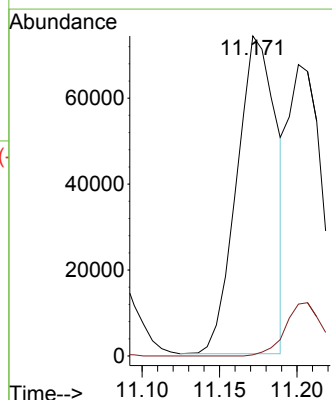
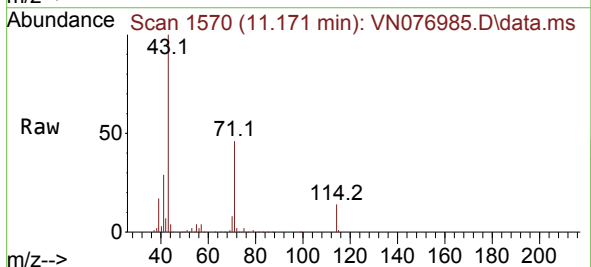
Acq: 14 Mar 2023 16:21

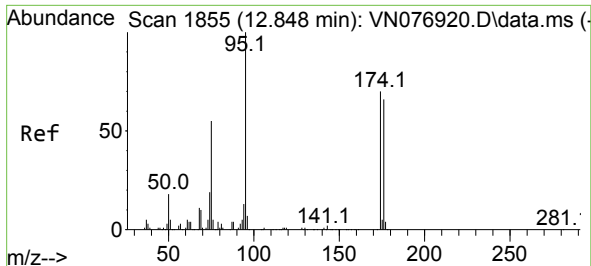
Tgt Ion: 43 Resp: 131927

Ion Ratio Lower Upper

43 100

58 0.0 32.6 98.0#

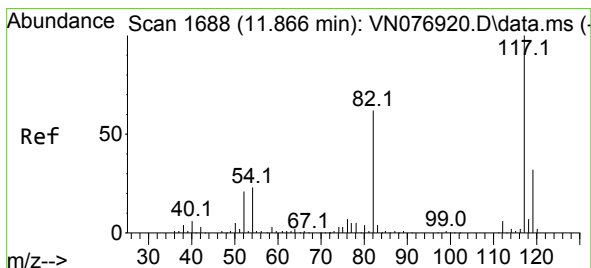
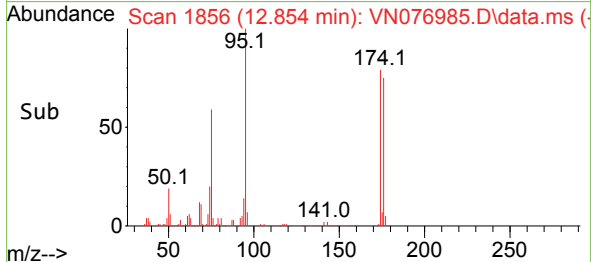
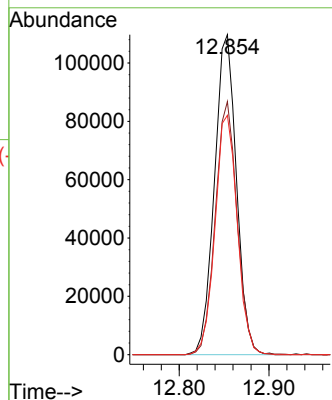
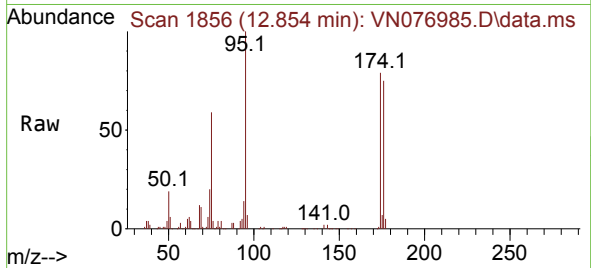




#62
4-Bromofluorobenzene
Concen: 50.942 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076985.D
Acq: 14 Mar 2023 16:21

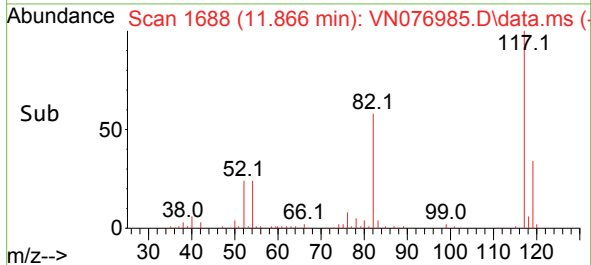
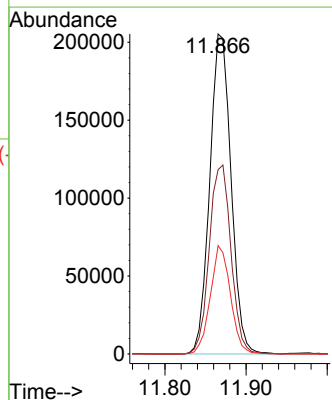
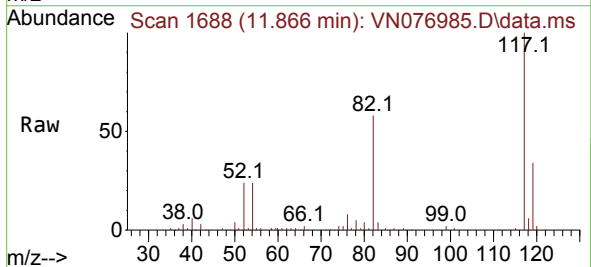
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#04

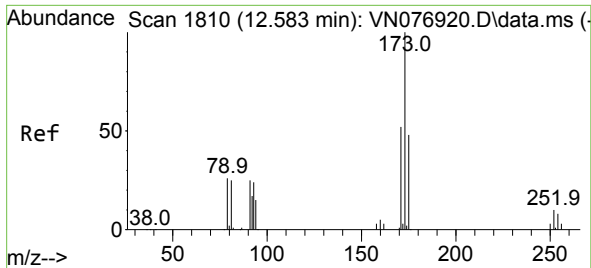
Tgt Ion: 95 Resp: 186496
Ion Ratio Lower Upper
95 100
174 78.8 0.0 162.4
176 75.7 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN076985.D
Acq: 14 Mar 2023 16:21

Tgt Ion: 117 Resp: 374132
Ion Ratio Lower Upper
117 100
82 57.6 43.5 65.3
119 33.9 25.5 38.3

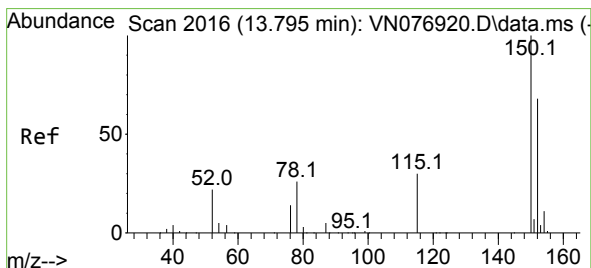
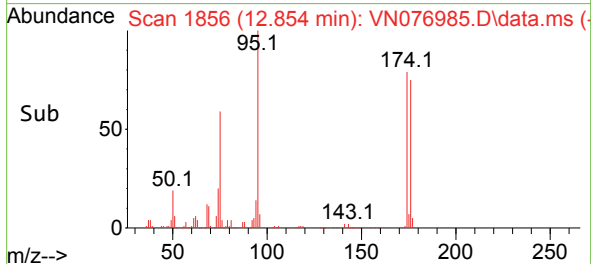
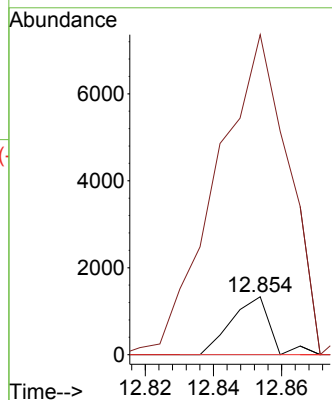
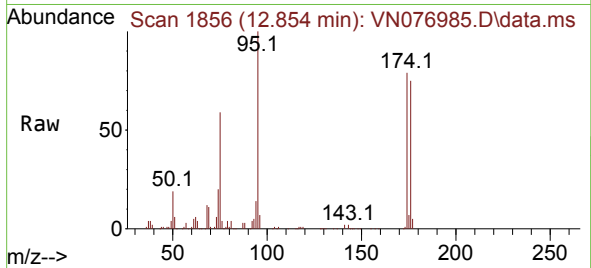




#71
Bromoform
Concen: 0.421 ug/l
RT: 12.854 min Scan# 1810
Delta R.T. 0.271 min
Lab File: VN076985.D
Acq: 14 Mar 2023 16:21

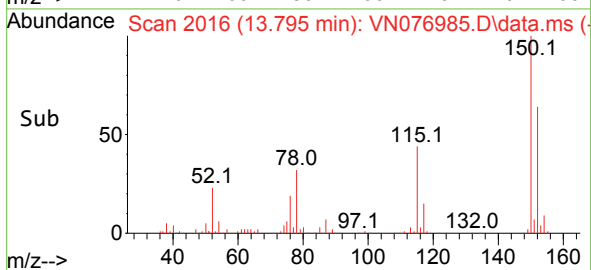
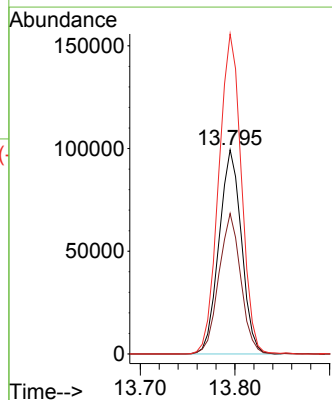
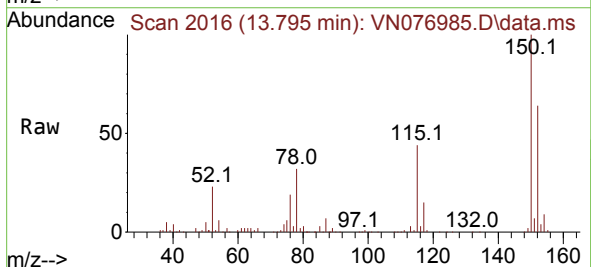
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#04

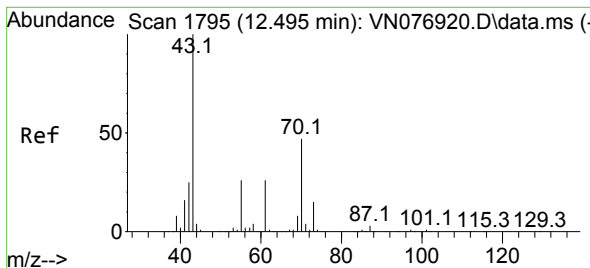
Tgt Ion:173 Resp: 997
Ion Ratio Lower Upper
173 100
175 962.9 24.9 74.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076985.D
Acq: 14 Mar 2023 16:21

Tgt Ion:152 Resp: 163517
Ion Ratio Lower Upper
152 100
115 67.1 30.3 90.9
150 158.6 0.0 353.6





#74

N-ethyl acetate

Concen: 0.275 ug/l

RT: 12.489 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN076985.D

Acq: 14 Mar 2023 16:21

Instrument :

MSVOA_N

ClientSampleId :

PB151382ZHE#04

Tgt Ion: 43 Resp: 1326

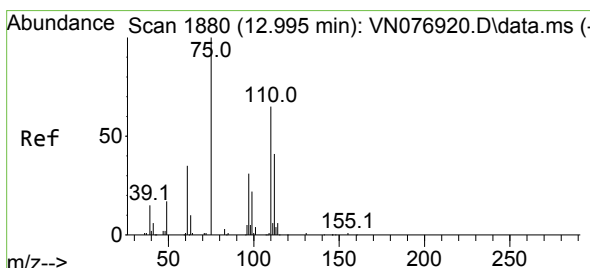
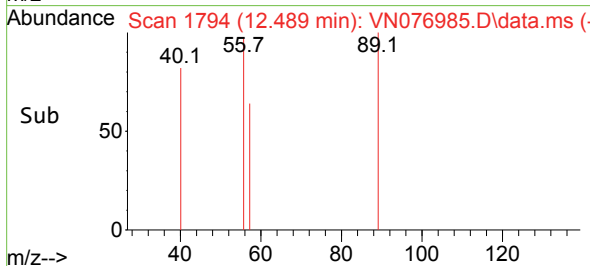
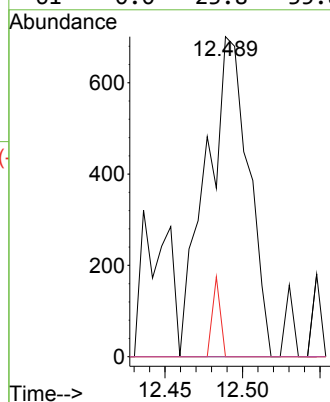
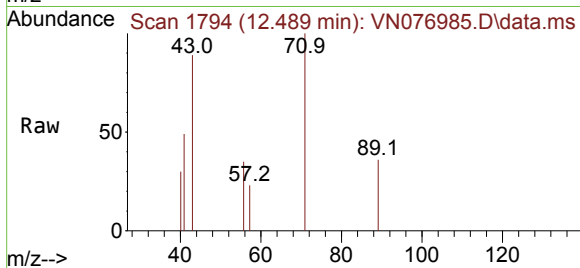
Ion Ratio Lower Upper

43 100

70 0.0 46.8 70.2#

55 0.0 23.4 35.2#

61 0.0 23.8 35.8#



#76

1,2,3-Trichloropropane

Concen: 28.805 ug/l

RT: 12.848 min Scan# 1855

Delta R.T. -0.147 min

Lab File: VN076985.D

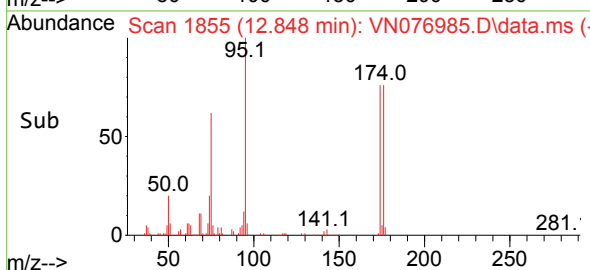
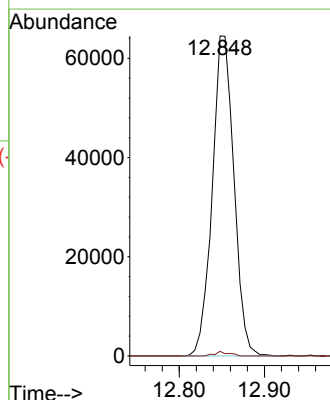
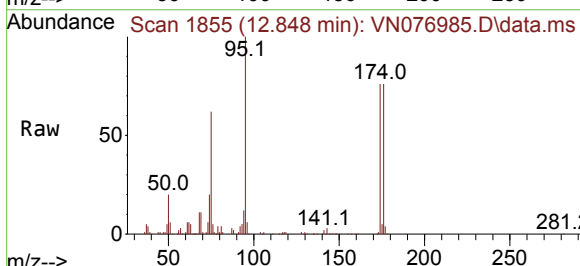
Acq: 14 Mar 2023 16:21

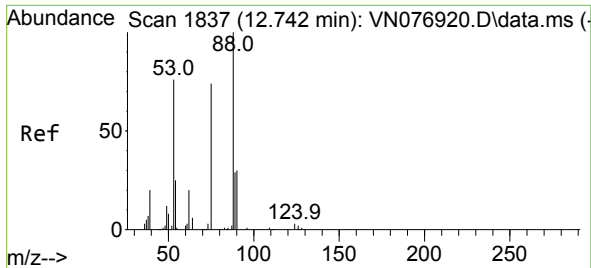
Tgt Ion: 75 Resp: 114193

Ion Ratio Lower Upper

75 100

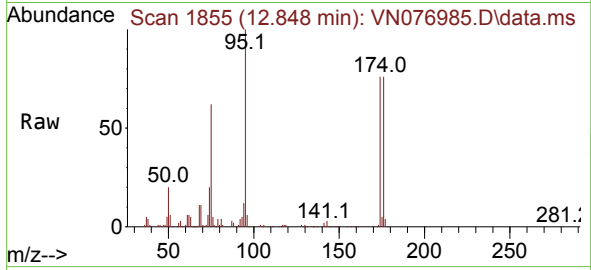
77 0.9 93.8 281.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.091 ug/l
 RT: 12.848 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN076985.D
 Acq: 14 Mar 2023 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 PB151382ZHE#04



Tgt Ion: 75 Resp: 114193
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.0#
 89 0.0 39.5 59.3#

