

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
 Data File : VN078051.D
 Acq On : 05 Jun 2023 17:57
 Operator : JC\MD
 Sample : PB153198ZHE#12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153198ZHE#12

Quant Time: Jun 06 02:05:15 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

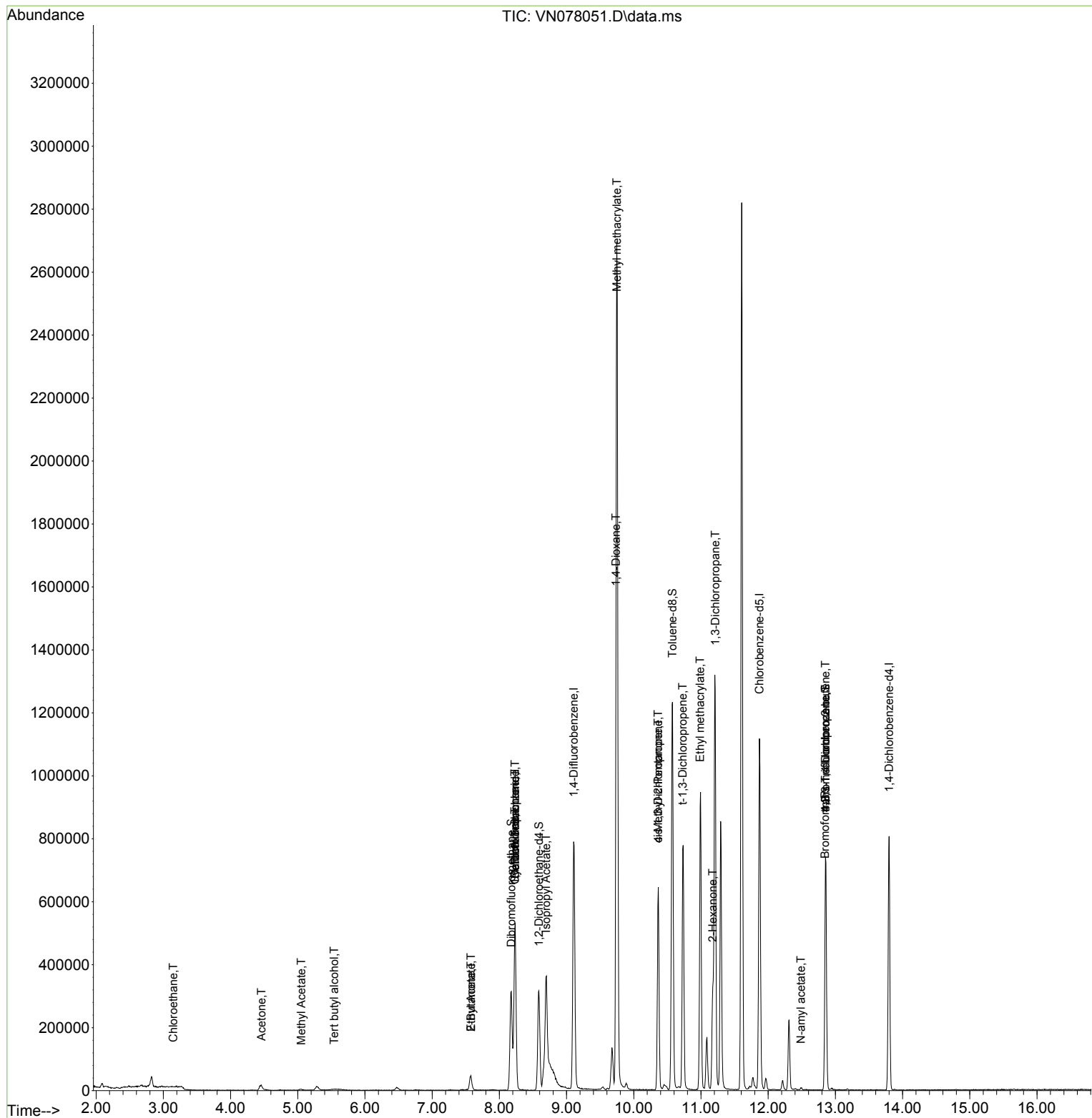
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	377314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	720278	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	668596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	223318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	263911	46.746	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.500%
35) Dibromofluoromethane	8.177	113	230546	49.085	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.180%
50) Toluene-d8	10.576	98	895637	49.541	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.080%
62) 4-Bromofluorobenzene	12.853	95	271858	42.578	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.160%
Target Compounds						
					Qvalue	
3) Chloromethane	2.383	50	1057	Below Cal		100
6) Chloroethane	3.148	64	819	0.210 ug/l #		43
11) Tert butyl alcohol	5.541	59	312	0.400 ug/l #		72
16) Acetone	4.459	43	28847	16.241 ug/l		97
18) Methyl Acetate	5.053	43	7016	0.942 ug/l #		66
20) Methylene Chloride	5.283	84	8982	Below Cal		94
25) 2-Butanone	7.577	43	66515	23.939 ug/l #		37
31) Cyclohexane	8.230	56	8764	1.142 ug/l #		51
36) 1,1-Dichloropropene	8.230	75	32180	4.684 ug/l #		48
37) Ethyl Acetate	7.577	43	66515	10.863 ug/l		98
38) Carbon Tetrachloride	8.235	117	41771	6.021 ug/l #		16
43) Isopropyl Acetate	8.694	43	596937	59.684 ug/l #		68
48) Methyl methacrylate	9.747	41	248840	52.476 ug/l #		28
49) 1,4-Dioxane	9.735	88	415	4.634 ug/l #		1
51) 4-Methyl-2-Pentanone	10.365	43	222974	37.506 ug/l #		41
53) t-1,3-Dichloropropene	10.729	75	2826	0.377 ug/l #		73
54) cis-1,3-Dichloropropene	10.365	75	120582	14.586 ug/l #		66
56) Ethyl methacrylate	10.988	69	4354	0.575 ug/l #		1
57) 1,3-Dichloropropane	11.212	76	15295	1.780 ug/l #		42
59) 2-Hexanone	11.176	43	253104	57.559 ug/l #		19
71) Bromoform	12.847	173	1466	0.439 ug/l #		1
74) N-amyl acetate	12.488	43	2487	0.350 ug/l #		45
76) 1,2,3-Trichloropropane	12.853	75	140073	25.046 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	140073	80.059 ug/l #		15

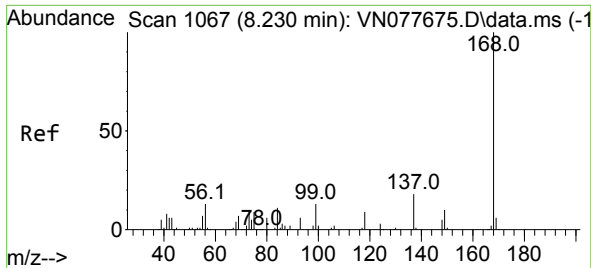
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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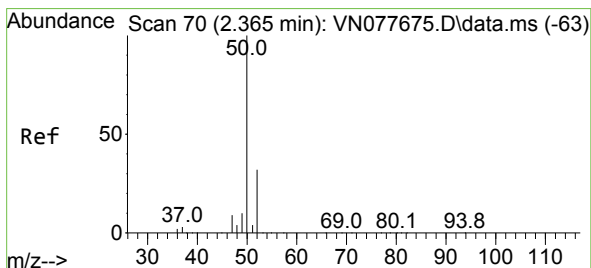
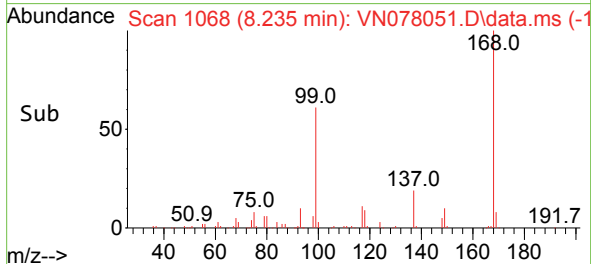
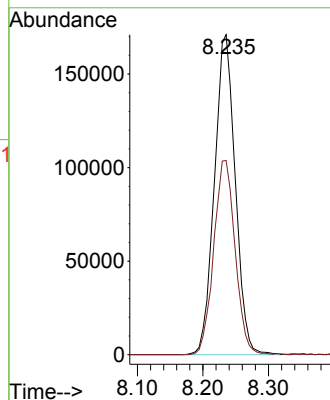
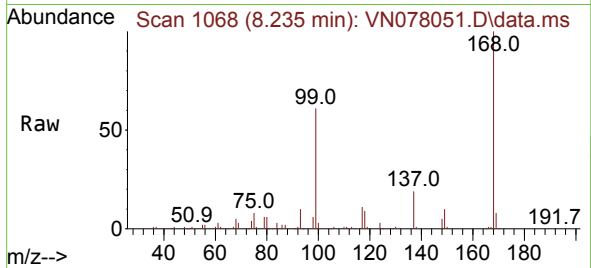




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN078051.D
Acq: 05 Jun 2023 17:57

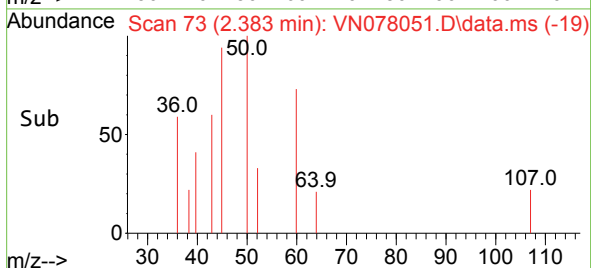
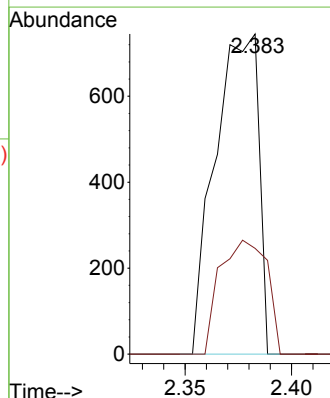
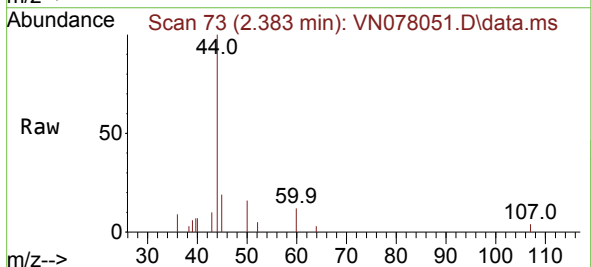
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#12

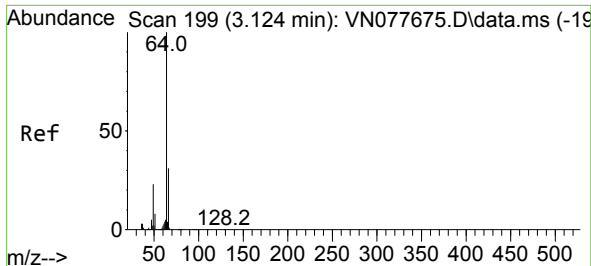
Tgt Ion:168 Resp: 377314
Ion Ratio Lower Upper
168 100
99 60.7 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.383 min Scan# 73
Delta R.T. 0.018 min
Lab File: VN078051.D
Acq: 05 Jun 2023 17:57

Tgt Ion: 50 Resp: 1057
Ion Ratio Lower Upper
50 100
52 33.0 26.5 39.7

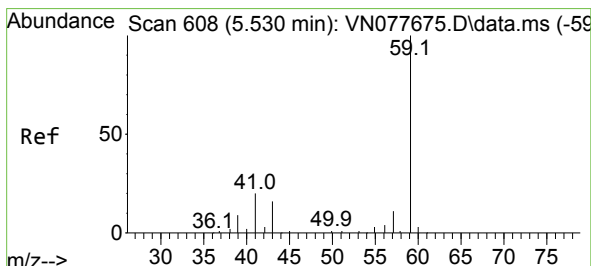
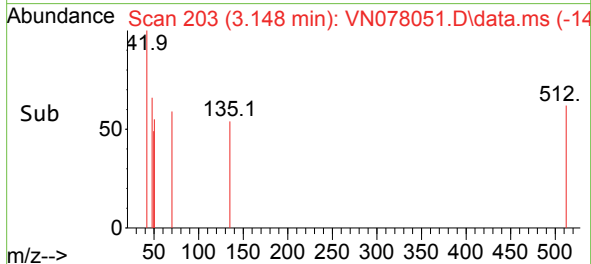
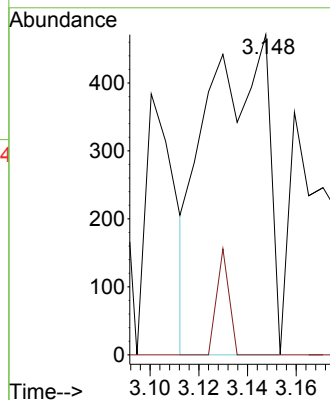
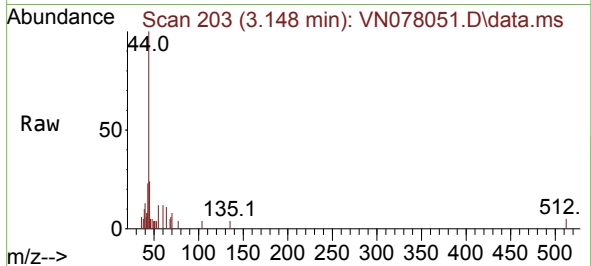




#6
Chloroethane
Concen: 0.210 ug/l
RT: 3.148 min Scan# 203
Delta R.T. 0.024 min
Lab File: VN078051.D
Acq: 05 Jun 2023 17:57

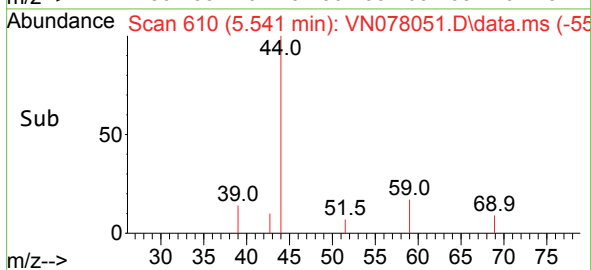
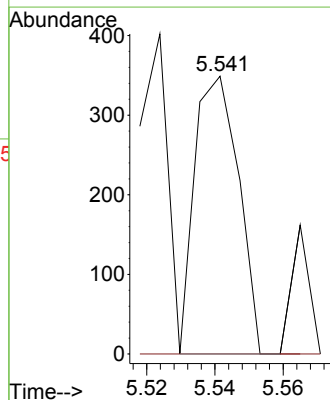
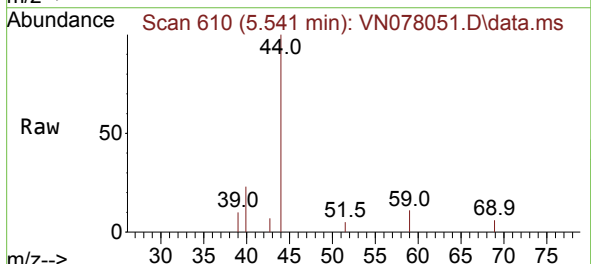
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#12

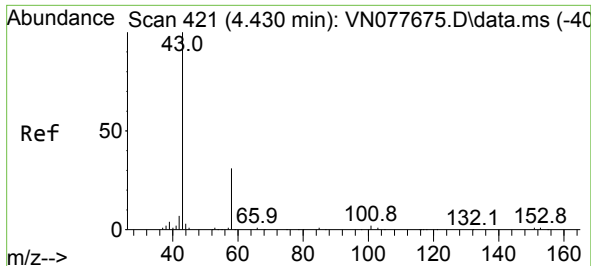
Tgt Ion: 64 Resp: 819
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.400 ug/l
RT: 5.541 min Scan# 610
Delta R.T. 0.011 min
Lab File: VN078051.D
Acq: 05 Jun 2023 17:57

Tgt Ion: 59 Resp: 312
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

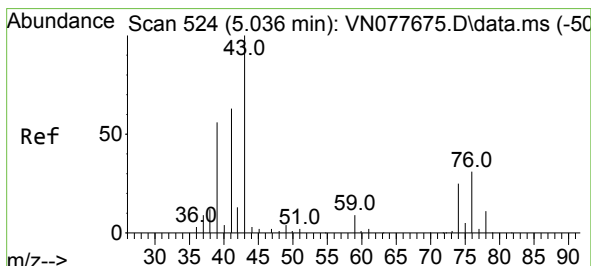
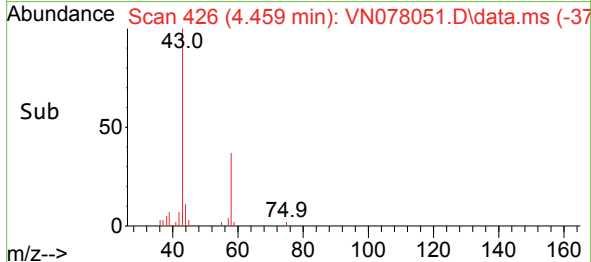
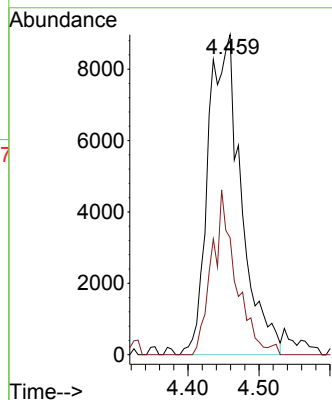
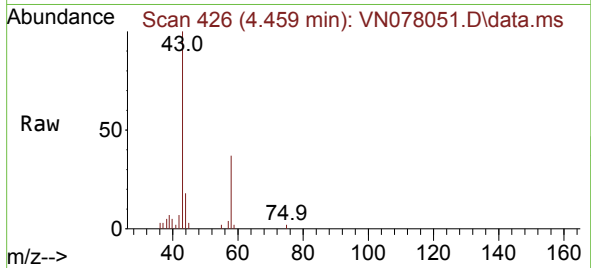




#16
Acetone
Concen: 16.241 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN078051.D
Acq: 05 Jun 2023 17:57

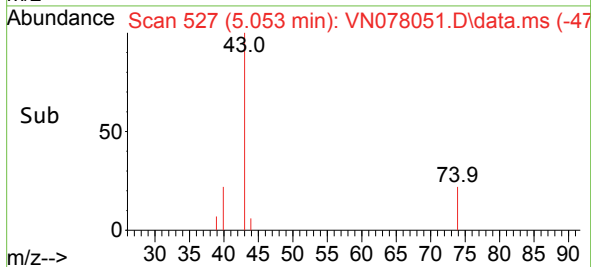
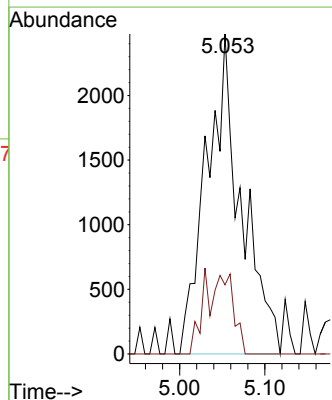
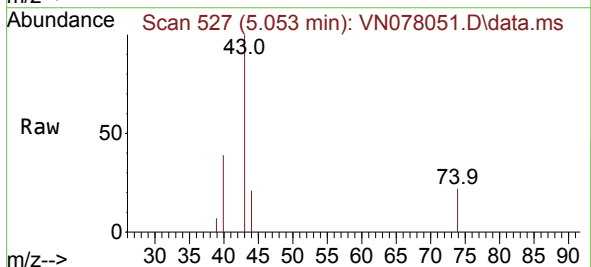
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#12

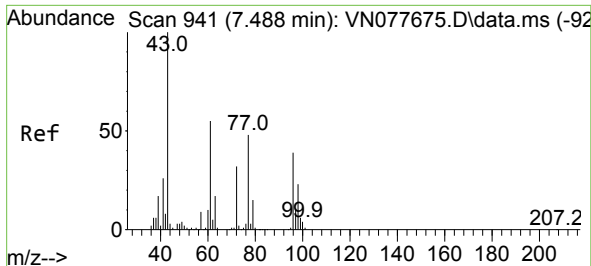
Tgt Ion: 43 Resp: 28847
Ion Ratio Lower Upper
43 100
58 36.5 28.0 42.0



#18
Methyl Acetate
Concen: 0.942 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.017 min
Lab File: VN078051.D
Acq: 05 Jun 2023 17:57

Tgt Ion: 43 Resp: 7016
Ion Ratio Lower Upper
43 100
74 13.6 26.2 39.4#

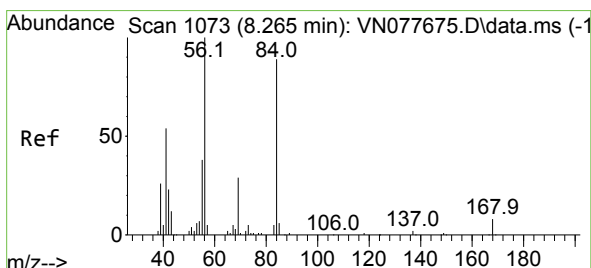
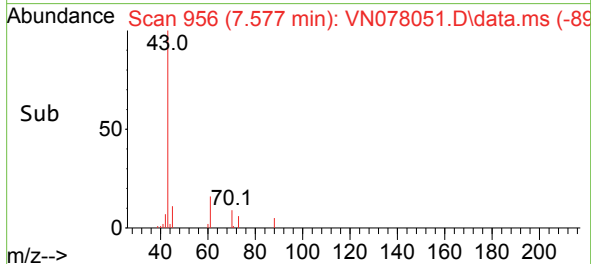
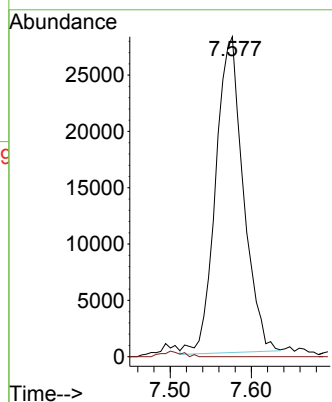
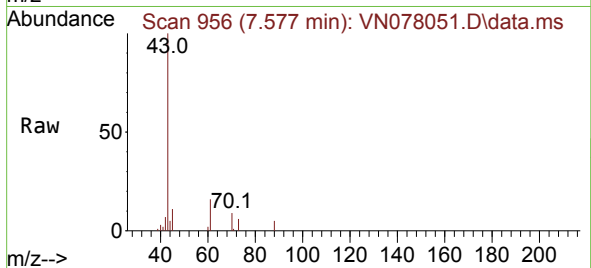




#25
2-Butanone
Concen: 23.939 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.089 min
Lab File: VN078051.D
Acq: 05 Jun 2023 17:57

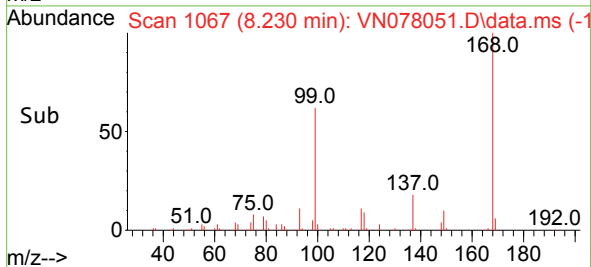
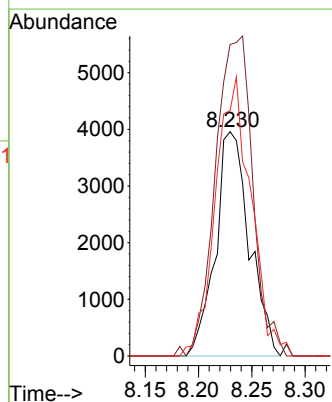
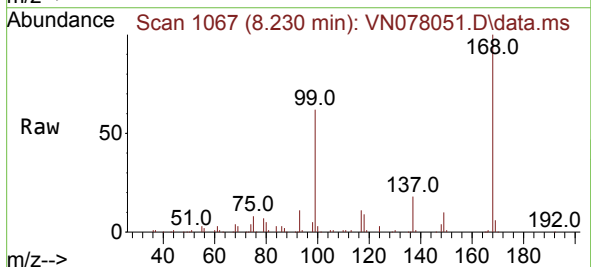
Instrument :
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ClientSampleId :
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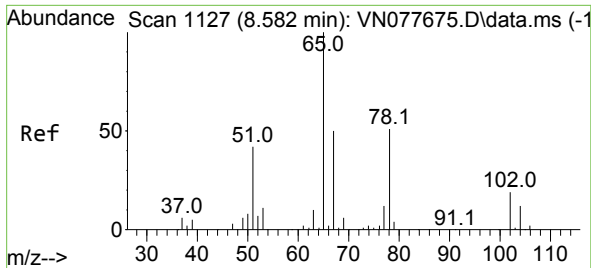
Tgt Ion: 43 Resp: 66515
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.142 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078051.D
Acq: 05 Jun 2023 17:57

Tgt Ion: 56 Resp: 8764
Ion Ratio Lower Upper
56 100
69 134.5 26.8 40.2#
84 109.4 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 46.746 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078051.D

Acq: 05 Jun 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

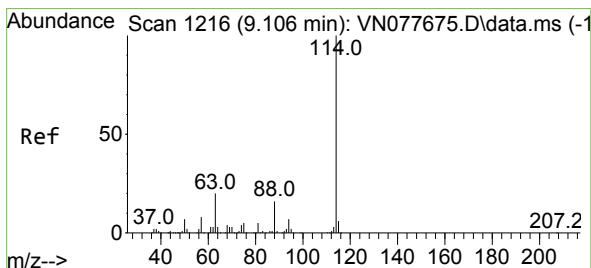
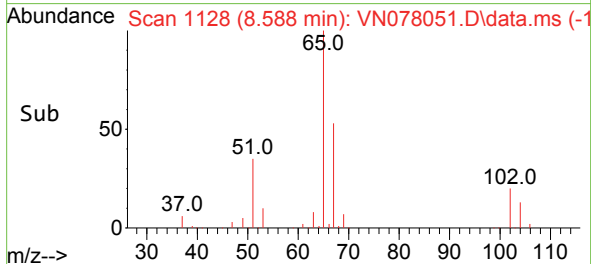
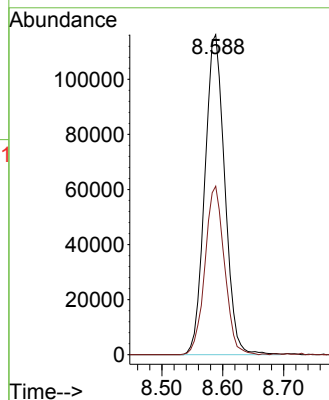
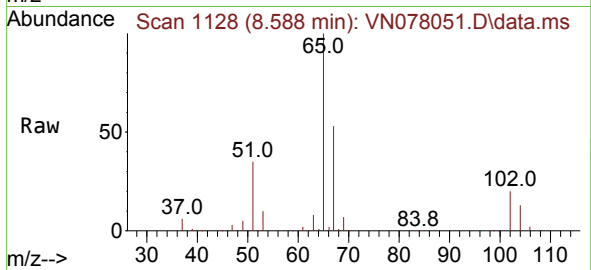
PB153198ZHE#12

Tgt Ion: 65 Resp: 263911

Ion Ratio Lower Upper

65 100

67 51.6 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: VN078051.D

Acq: 05 Jun 2023 17:57

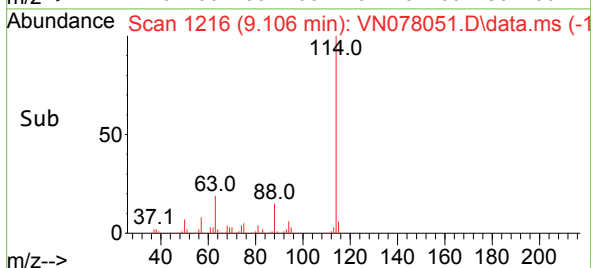
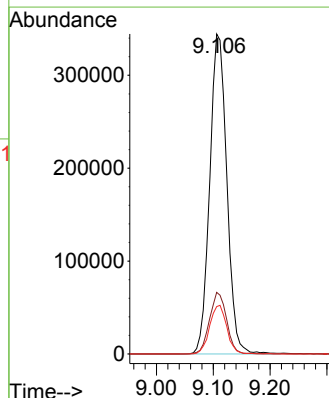
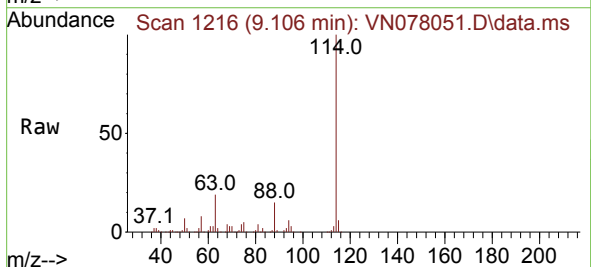
Tgt Ion: 114 Resp: 720278

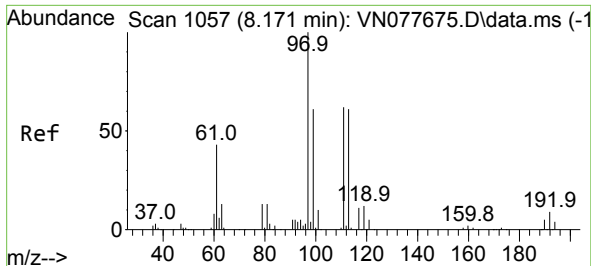
Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.4

88 14.8 0.0 30.6

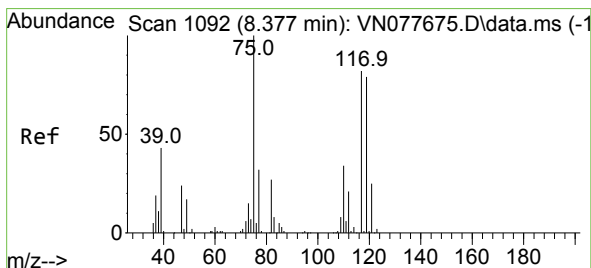
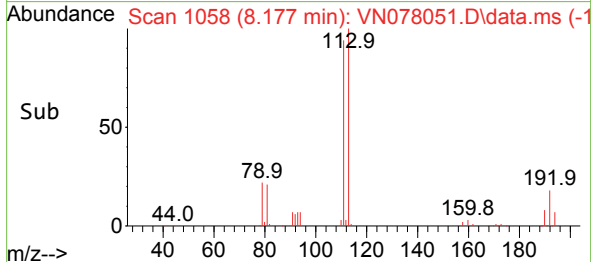
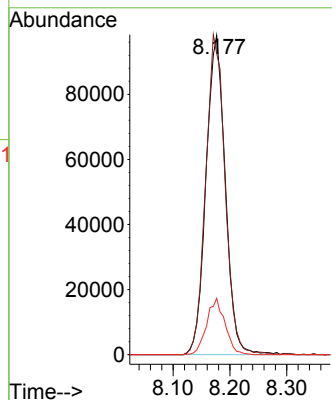
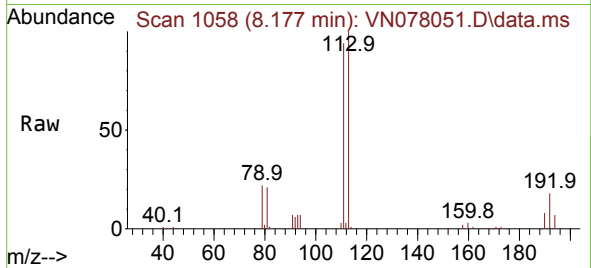




#35
 Dibromofluoromethane
 Concen: 49.085 ug/l
 RT: 8.177 min Scan# 1057
 Delta R.T. 0.006 min
 Lab File: VN078051.D
 Acq: 05 Jun 2023 17:57

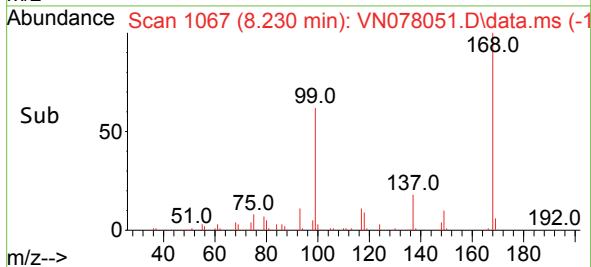
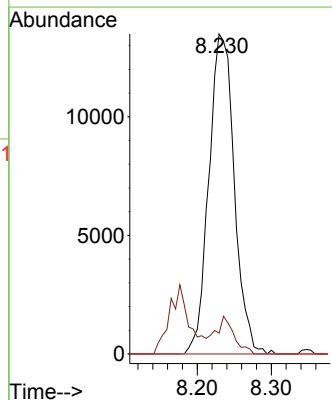
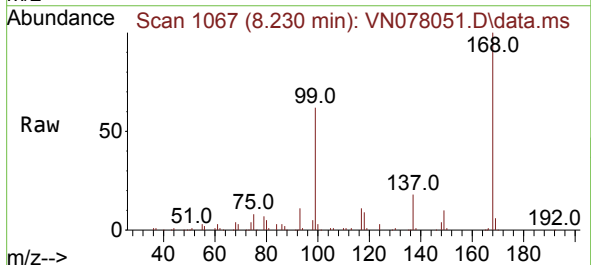
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 PB153198ZHE#12

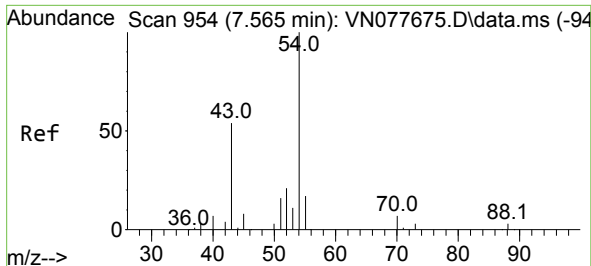
Tgt Ion:113 Resp: 230546
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.6 123.8
 192 16.8 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 4.684 ug/l
 RT: 8.230 min Scan# 1067
 Delta R.T. -0.147 min
 Lab File: VN078051.D
 Acq: 05 Jun 2023 17:57

Tgt Ion: 75 Resp: 32180
 Ion Ratio Lower Upper
 75 100
 110 8.6 19.1 57.3#
 77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 10.863 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN078051.D

Acq: 05 Jun 2023 17:57

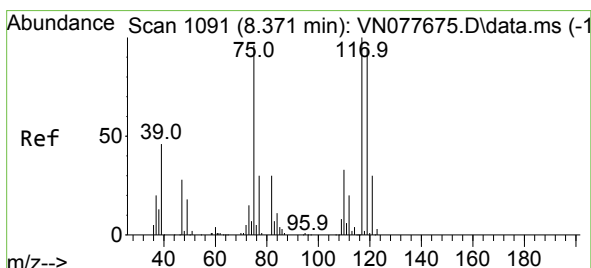
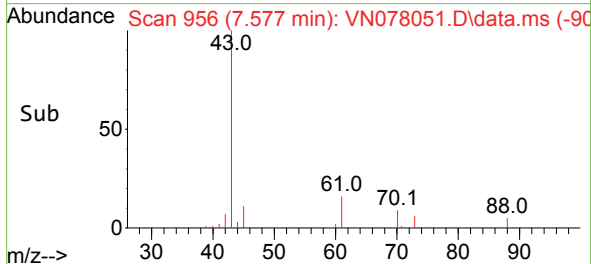
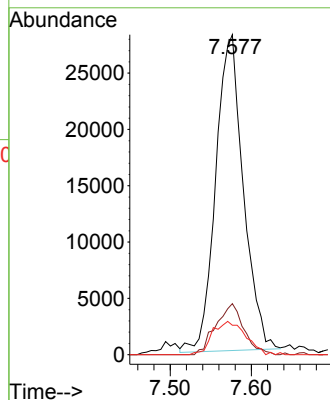
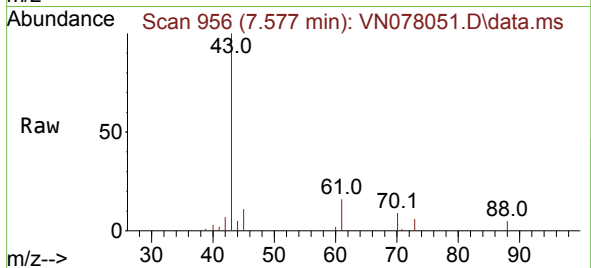
Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#12

Tgt Ion:	43	Resp:	66515
Ion	Ratio	Lower	Upper
43	100		
61	16.4	13.2	19.8
70	12.7	11.3	16.9



#38

Carbon Tetrachloride

Concen: 6.021 ug/l

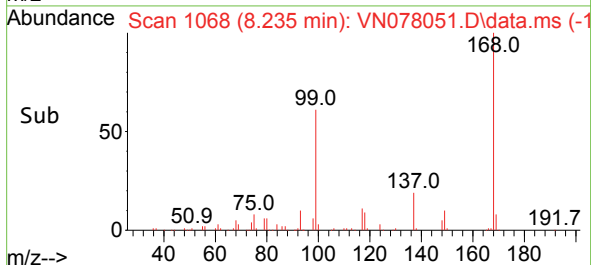
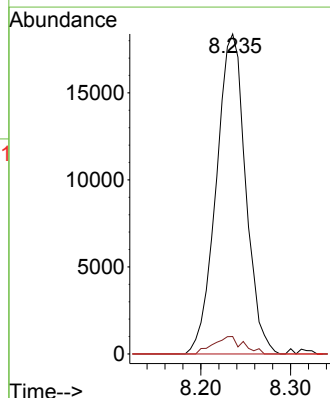
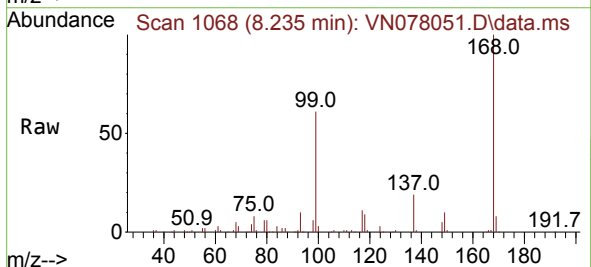
RT: 8.235 min Scan# 1068

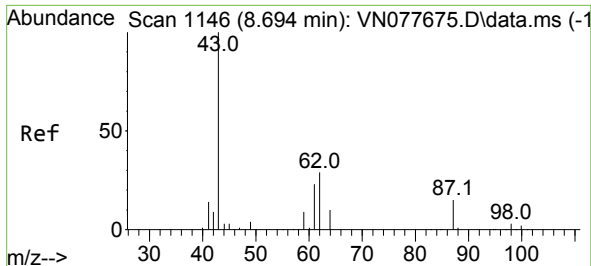
Delta R.T. -0.136 min

Lab File: VN078051.D

Acq: 05 Jun 2023 17:57

Tgt Ion:	117	Resp:	41771
Ion	Ratio	Lower	Upper
117	100		
119	5.5	77.3	115.9#
121	0.0	23.3	34.9#

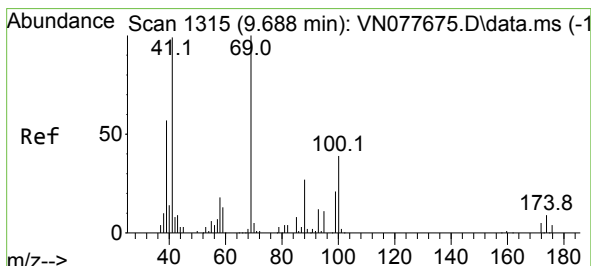
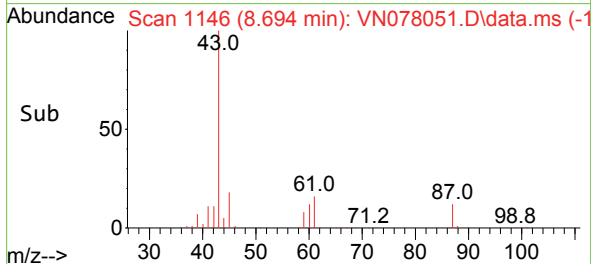
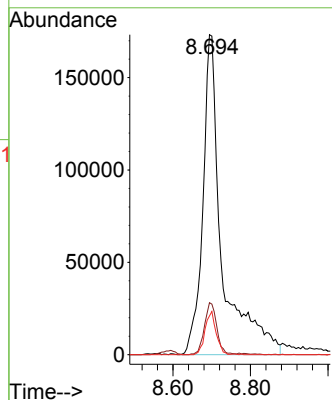
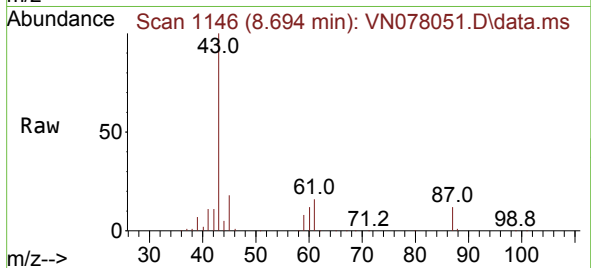




#43
Isopropyl Acetate
Concen: 59.684 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078051.D
Acq: 05 Jun 2023 17:57

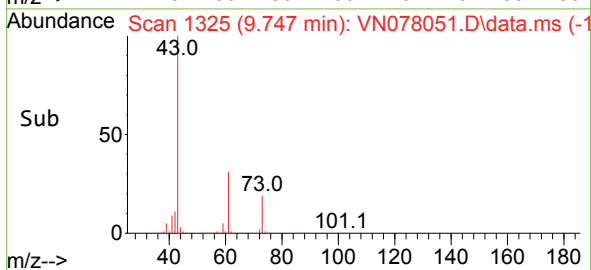
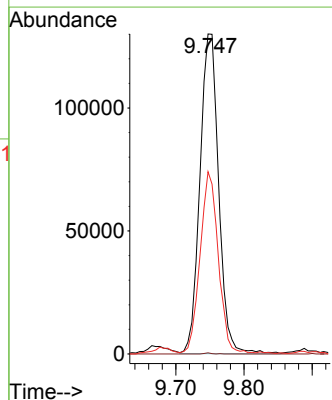
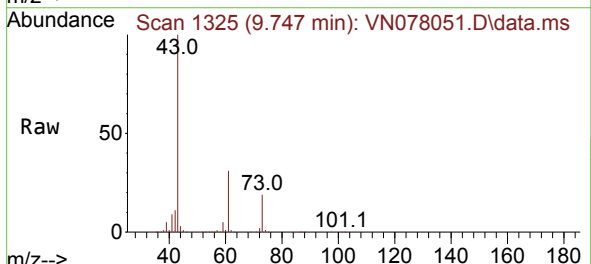
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#12

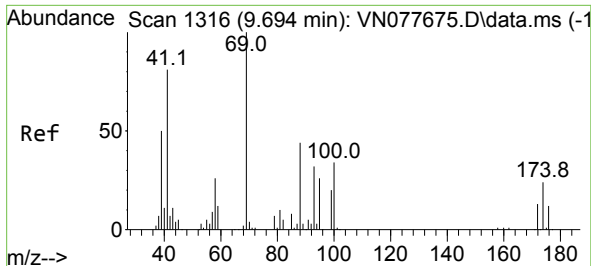
Tgt Ion: 43 Resp: 596937
Ion Ratio Lower Upper
43 100
61 10.5 24.7 37.1#
87 7.8 14.6 21.8#



#48
Methyl methacrylate
Concen: 52.476 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.059 min
Lab File: VN078051.D
Acq: 05 Jun 2023 17:57

Tgt Ion: 41 Resp: 248840
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 54.8 54.6 81.8





#49

1,4-Dioxane

Concen: 4.634 ug/l

RT: 9.735 min Scan# 1316

Delta R.T. 0.041 min

Lab File: VN078051.D

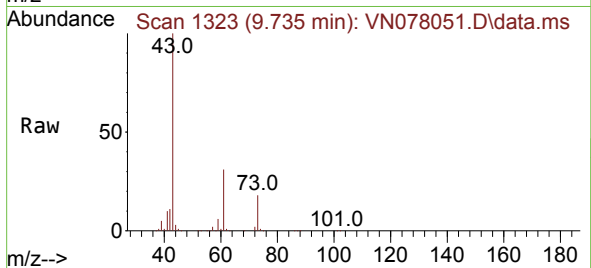
Acq: 05 Jun 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#12



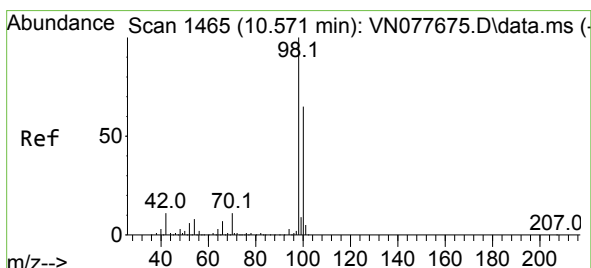
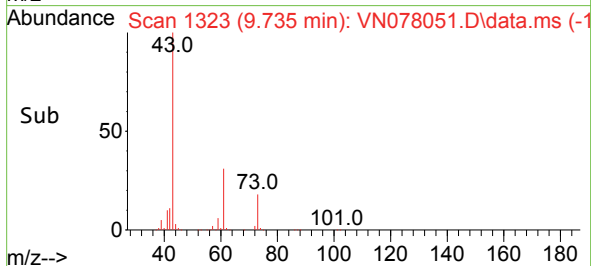
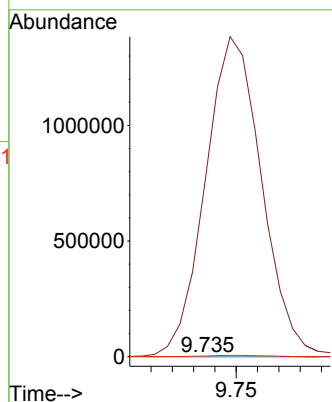
Tgt Ion: 88 Resp: 415

Ion Ratio Lower Upper

88 100

43 617021.9 17.0 25.6#

58 2785.8 47.0 70.4#



#50

Toluene-d8

Concen: 49.541 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. 0.005 min

Lab File: VN078051.D

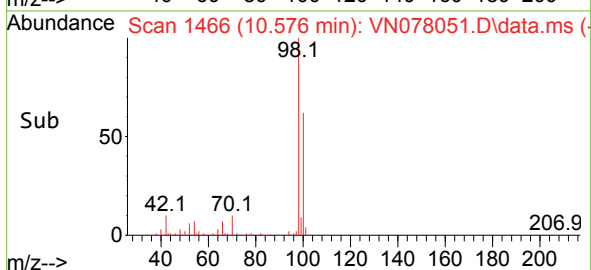
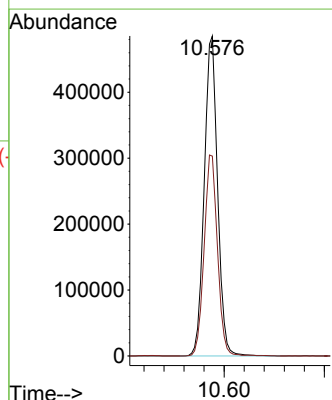
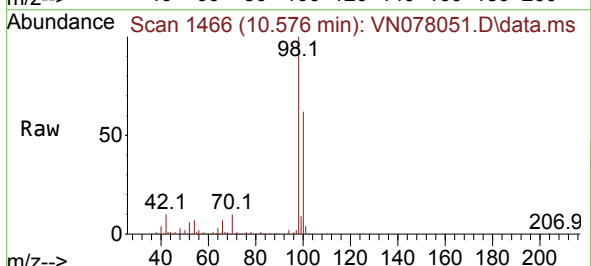
Acq: 05 Jun 2023 17:57

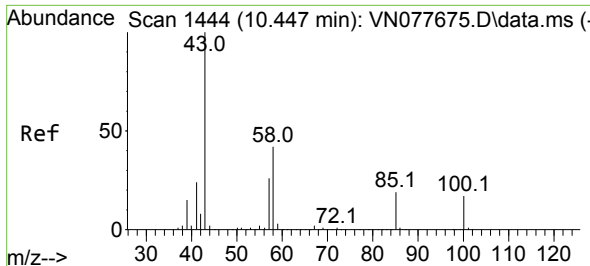
Tgt Ion: 98 Resp: 895637

Ion Ratio Lower Upper

98 100

100 62.7 52.0 78.0

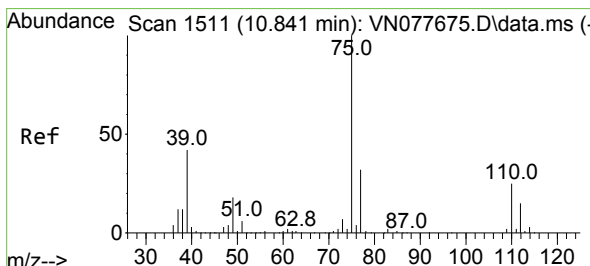
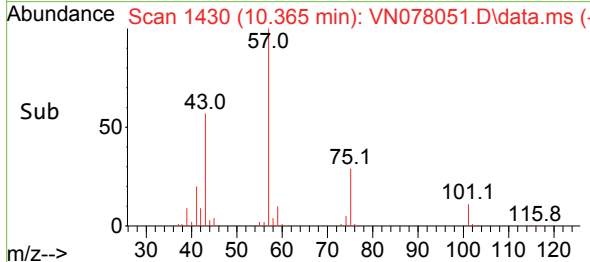
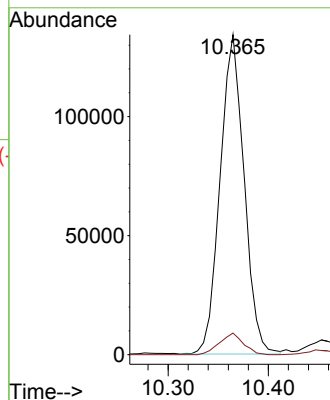
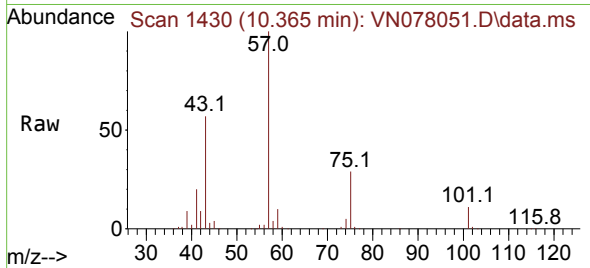




#51
4-Methyl-2-Pentanone
Concen: 37.506 ug/l
RT: 10.365 min Scan# 1444
Delta R.T. -0.082 min
Lab File: VN078051.D
Acq: 05 Jun 2023 17:57

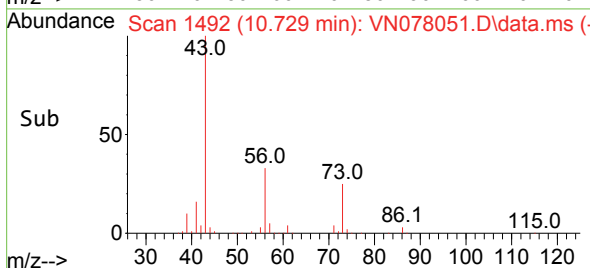
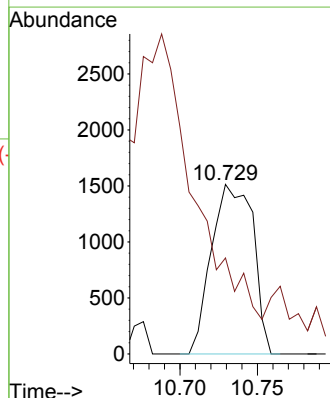
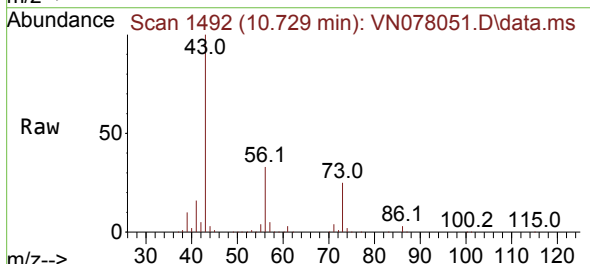
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#12

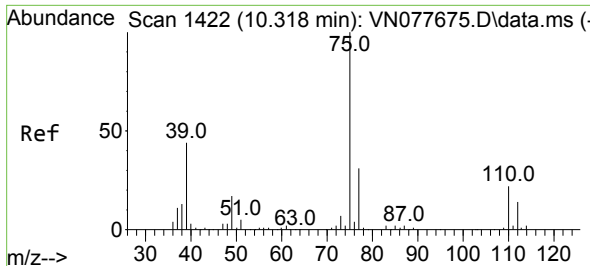
Tgt Ion: 43 Resp: 222974
Ion Ratio Lower Upper
43 100
58 6.7 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.377 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.112 min
Lab File: VN078051.D
Acq: 05 Jun 2023 17:57

Tgt Ion: 75 Resp: 2826
Ion Ratio Lower Upper
75 100
77 16.7 25.4 38.0#

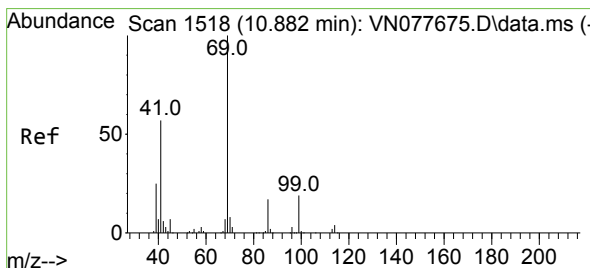
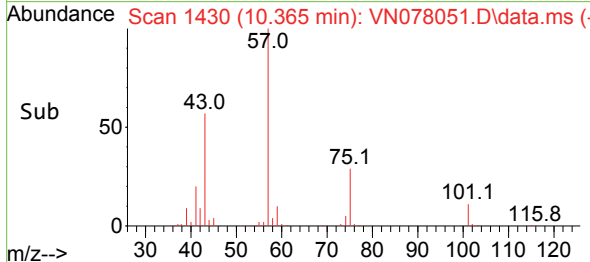
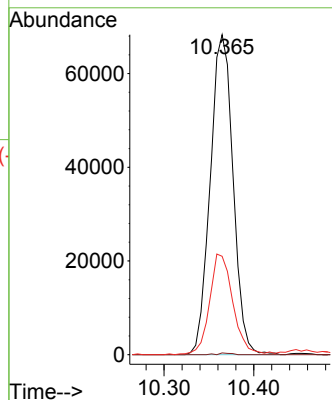
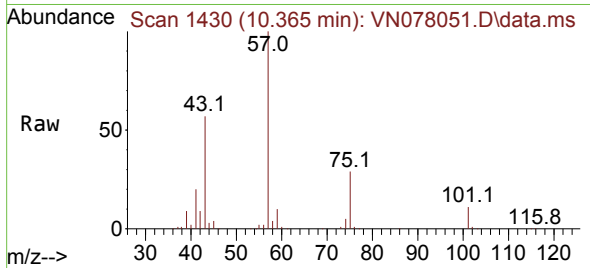




#54
 cis-1,3-Dichloropropene
 Concen: 14.586 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN078051.D
 Acq: 05 Jun 2023 17:57

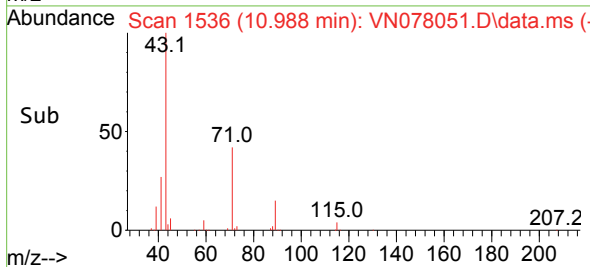
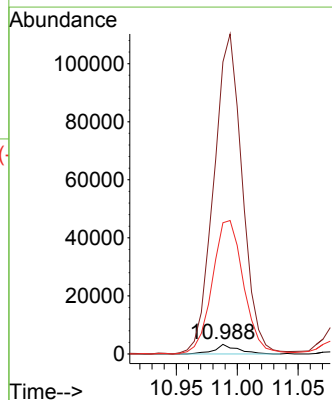
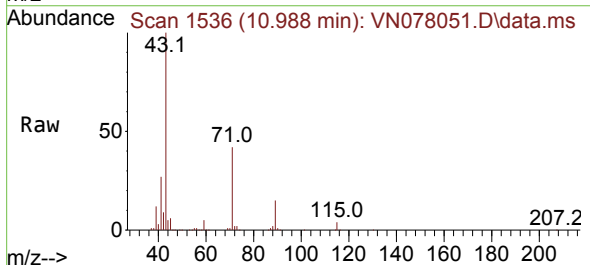
Instrument :
 MSVOA_N
 ClientSampleId :
 PB153198ZHE#12

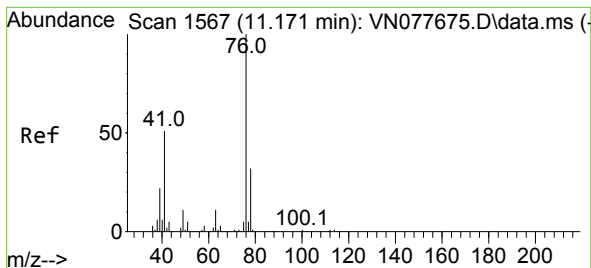
Tgt Ion: 75 Resp: 120582
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.1 39.1#
 39 30.5 31.6 47.4#



#56
 Ethyl methacrylate
 Concen: 0.575 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.106 min
 Lab File: VN078051.D
 Acq: 05 Jun 2023 17:57

Tgt Ion: 69 Resp: 4354
 Ion Ratio Lower Upper
 69 100
 41 4125.3 39.6 59.4#
 39 1895.9 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.780 ug/l

RT: 11.212 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN078051.D

Acq: 05 Jun 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

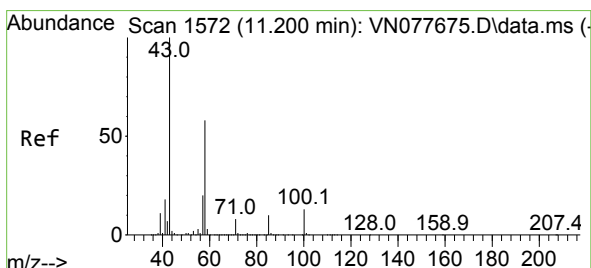
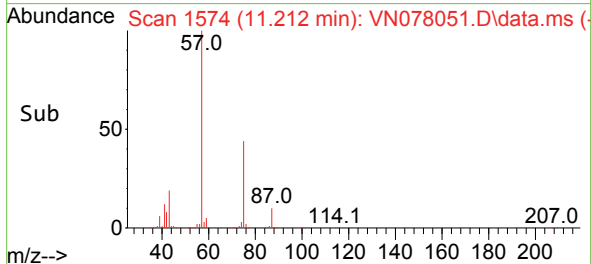
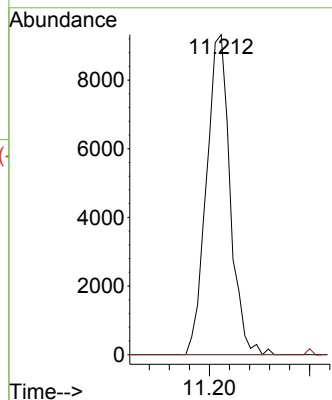
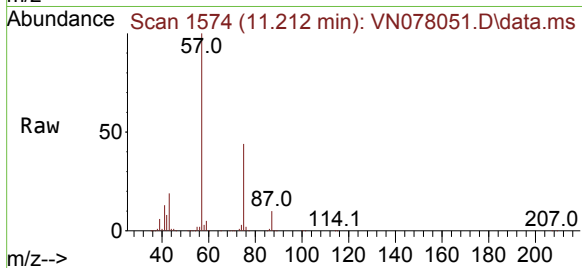
PB153198ZHE#12

Tgt Ion: 76 Resp: 15295

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 57.559 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN078051.D

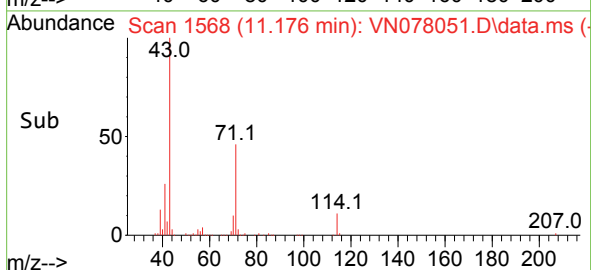
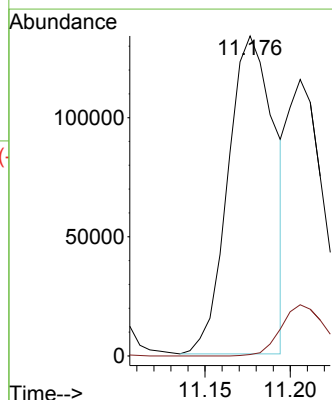
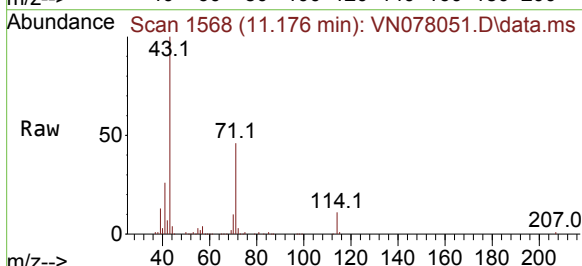
Acq: 05 Jun 2023 17:57

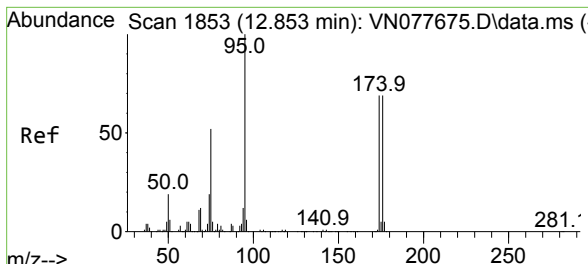
Tgt Ion: 43 Resp: 253104

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

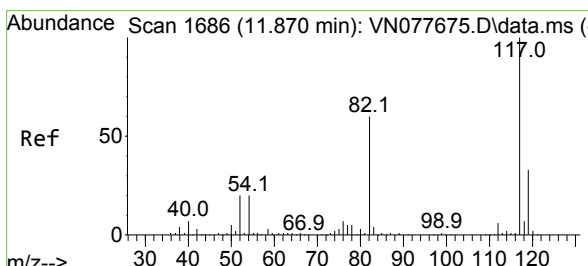
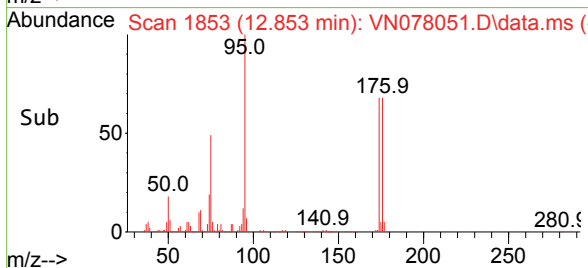
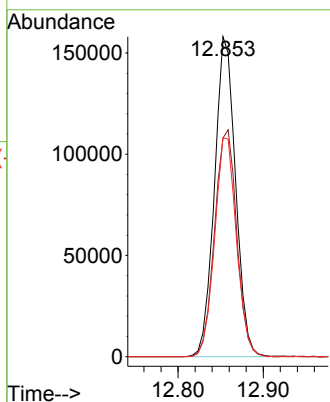
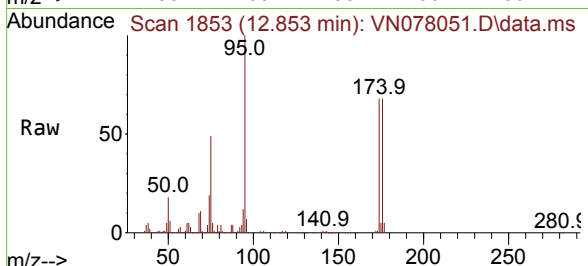




#62
4-Bromofluorobenzene
Concen: 42.578 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078051.D
Acq: 05 Jun 2023 17:57

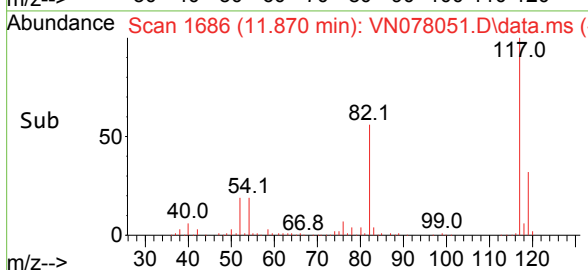
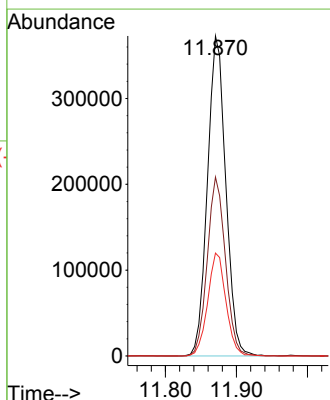
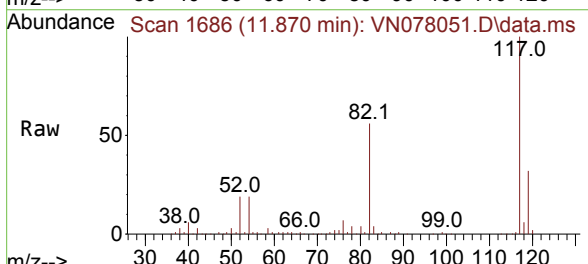
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#12

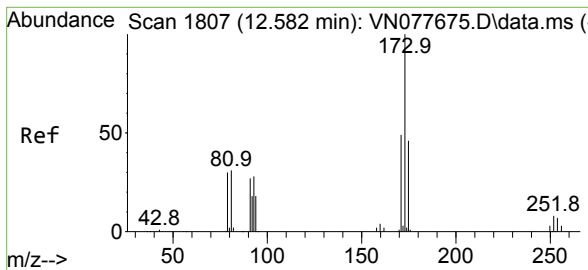
Tgt Ion:	95	Resp:	271858
Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	143.8
176	70.8	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078051.D
Acq: 05 Jun 2023 17:57

Tgt Ion:	117	Resp:	668596
Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.0	66.0
119	32.1	25.6	38.4





#71

Bromoform

Concen: 0.439 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

Lab File: VN078051.D

Acq: 05 Jun 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#12

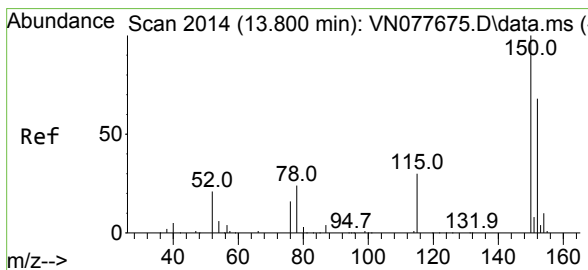
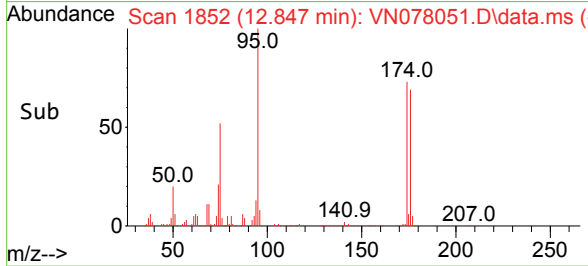
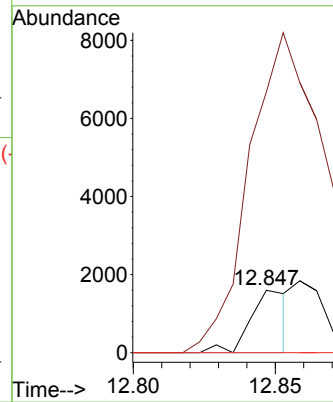
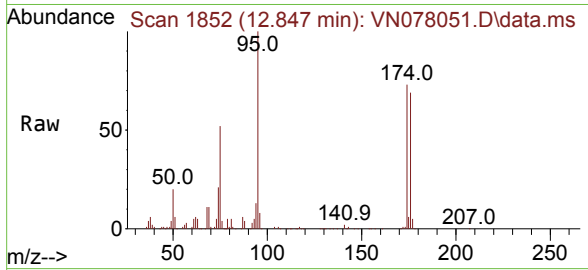
Tgt Ion:173 Resp: 1466

Ion Ratio Lower Upper

173 100

175 723.3 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: VN078051.D

Acq: 05 Jun 2023 17:57

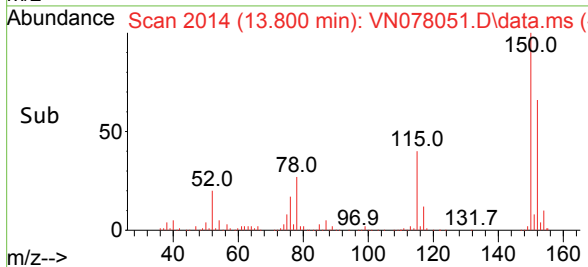
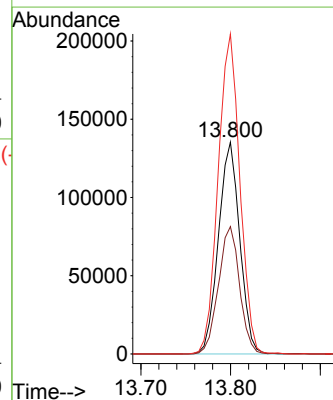
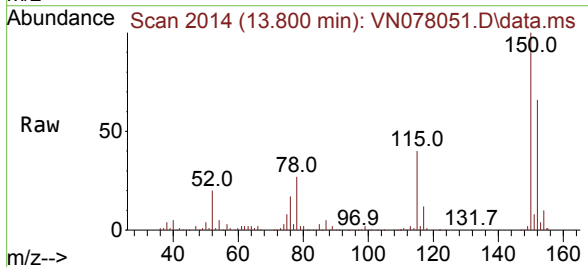
Tgt Ion:152 Resp: 223318

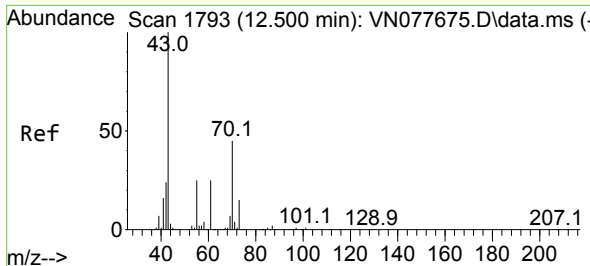
Ion Ratio Lower Upper

152 100

115 59.7 32.3 96.8

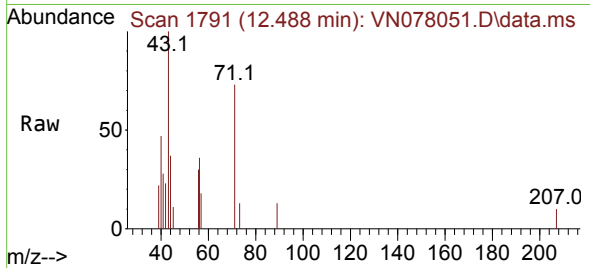
150 154.0 0.0 355.8



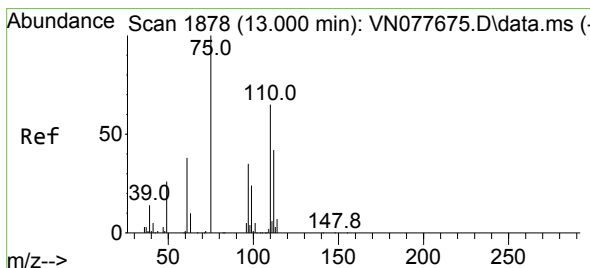
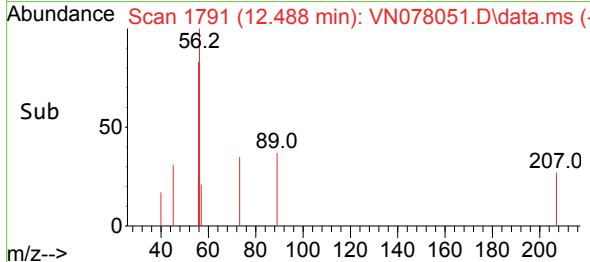
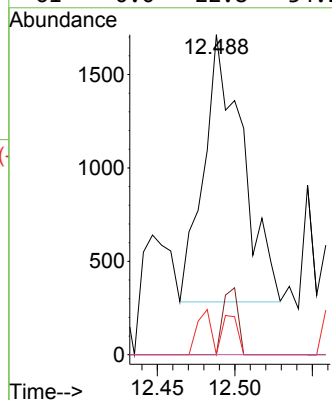


#74
N-amy1 acetate
Concen: 0.350 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN078051.D
Acq: 05 Jun 2023 17:57

Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#12

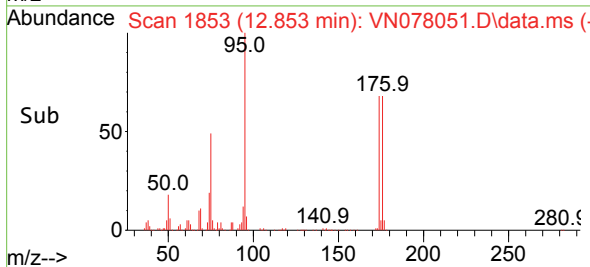
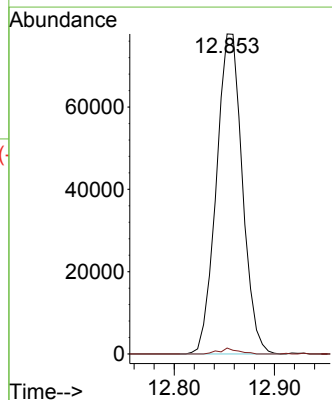
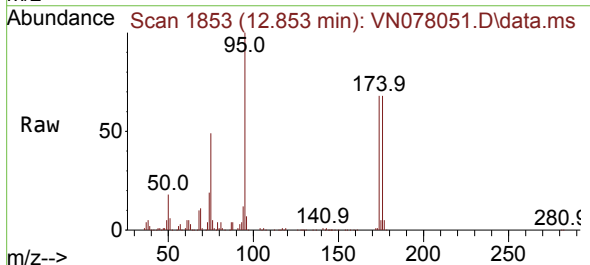


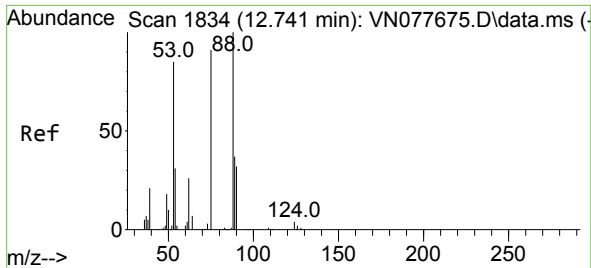
Tgt Ion:	43	Resp:	2487
Ion	Ratio	Lower	Upper
43	100		
70	9.6	43.4	65.2#
55	5.9	21.4	32.0#
61	0.0	22.8	34.2#



#76
1,2,3-Trichloropropane
Concen: 25.046 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078051.D
Acq: 05 Jun 2023 17:57

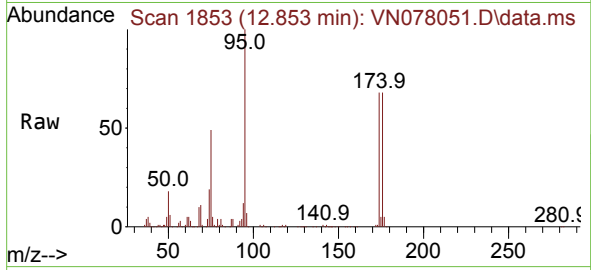
Tgt Ion:	75	Resp:	140073
Ion	Ratio	Lower	Upper
75	100		
77	1.3	84.5	253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.059 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078051.D
 Acq: 05 Jun 2023 17:57

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153198ZHE#12



Tgt Ion:	75	Resp:	140073
Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.4	101.2#
89	0.0	38.8	58.2#

