

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021623\
 Data File : VN076721.D
 Acq On : 16 Feb 2023 19:04
 Operator : JC\MD
 Sample : 01572-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 17 00:17:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

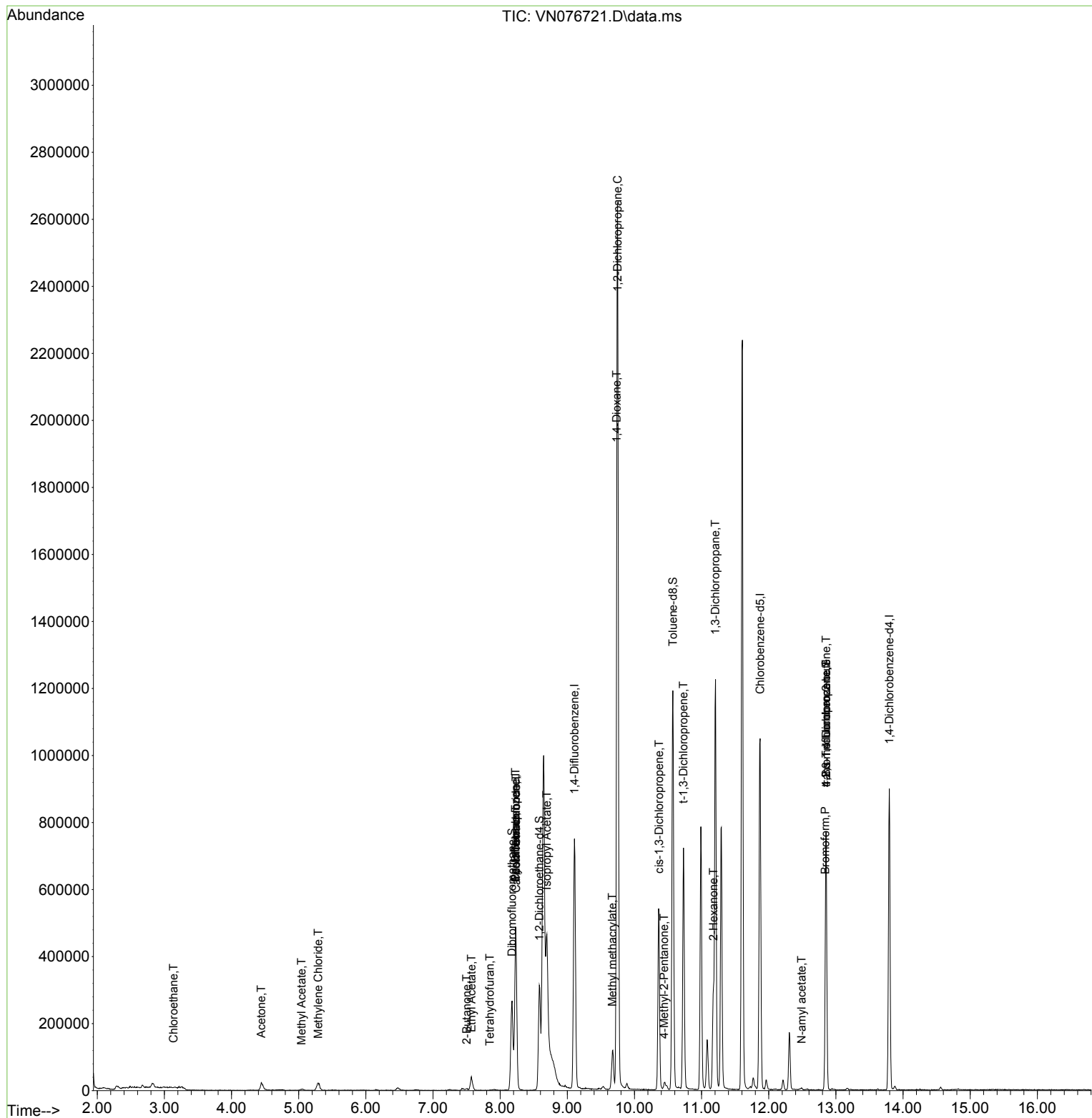
Internal Standards						
1) Pentafluorobenzene	8.231	168	336278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	640899	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	594947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	228013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	245264	52.819	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.640%			
35) Dibromofluoromethane	8.178	113	187476	44.668	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.340%			
50) Toluene-d8	10.572	98	790960	50.462	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.920%			
62) 4-Bromofluorobenzene	12.854	95	246422	47.467	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.940%			
Target Compounds					Qvalue	
6) Chloroethane	3.137	64	827	0.285	ug/l #	44
16) Acetone	4.443	43	40121	19.343	ug/l	95
18) Methyl Acetate	5.043	43	7025	1.038	ug/l #	54
20) Methylene Chloride	5.290	84	16424	3.778	ug/l #	94
25) 2-Butanone	7.501	43	7591	2.481	ug/l	100
29) Tetrahydrofuran	7.848	42	649	0.325	ug/l #	46
31) Cyclohexane	8.231	56	8728	1.198	ug/l #	1
36) 1,1-Dichloropropene	8.231	75	29893	4.929	ug/l #	50
37) Ethyl Acetate	7.572	43	57113	8.951	ug/l	96
38) Carbon Tetrachloride	8.237	117	34658	5.665	ug/l #	16
43) Isopropyl Acetate	8.695	43	627552	60.445	ug/l #	74
45) 1,2-Dichloropropane	9.748	63	3352	0.680	ug/l #	44
48) Methyl methacrylate	9.672	41	8060	1.636	ug/l #	49
49) 1,4-Dioxane	9.736	88	124	1.455	ug/l #	1
51) 4-Methyl-2-Pentanone	10.442	43	23528	3.562	ug/l #	82
53) t-1,3-Dichloropropene	10.730	75	2547	0.418	ug/l #	75
54) cis-1,3-Dichloropropene	10.366	75	89235	12.685	ug/l #	63
57) 1,3-Dichloropropane	11.207	76	12757	1.624	ug/l #	42
59) 2-Hexanone	11.178	43	231496	48.604	ug/l #	27
71) Bromoform	12.842	173	1107	0.330	ug/l #	1
74) N-amyl acetate	12.489	43	3230	0.429	ug/l #	51
76) 1,2,3-Trichloropropane	12.854	75	134166	29.105	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	134166	84.769	ug/l #	4

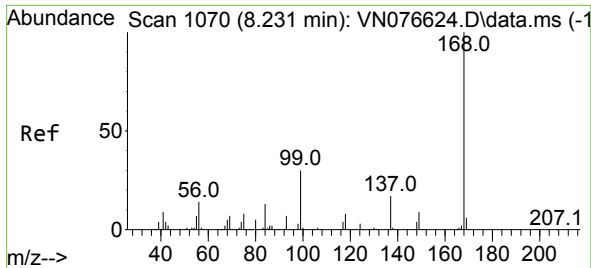
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

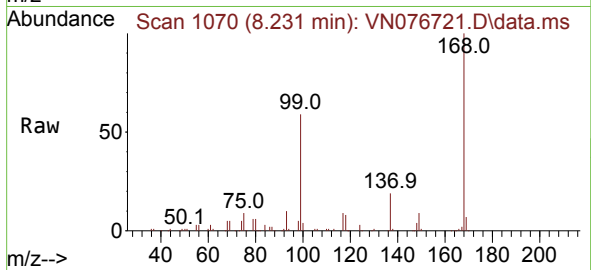
Quant Time: Feb 17 00:17:50 2023
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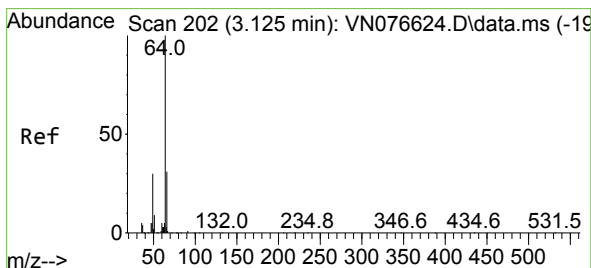
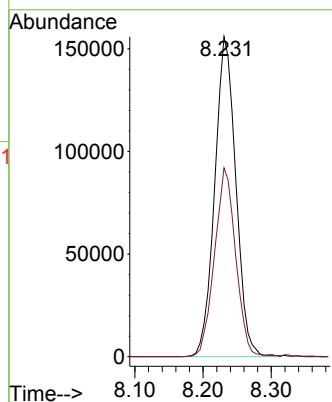
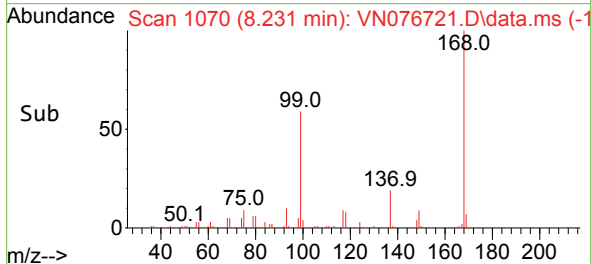


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN076721.D
Acq: 16 Feb 2023 19:04

Instrument :
MSVOA_N
ClientSampleId :

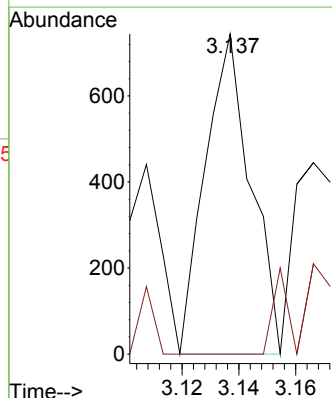
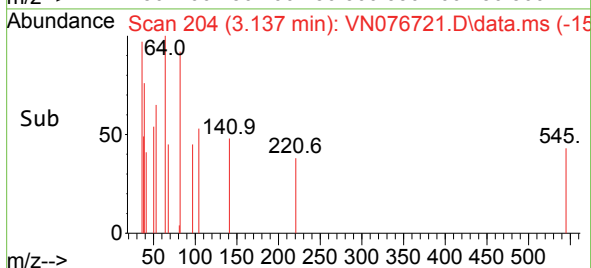
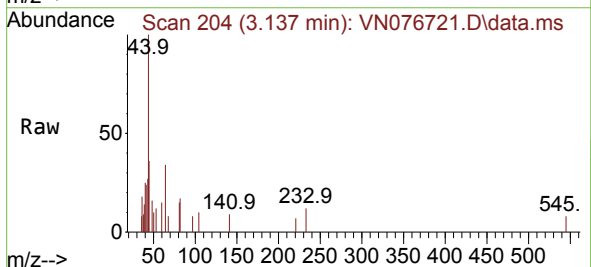


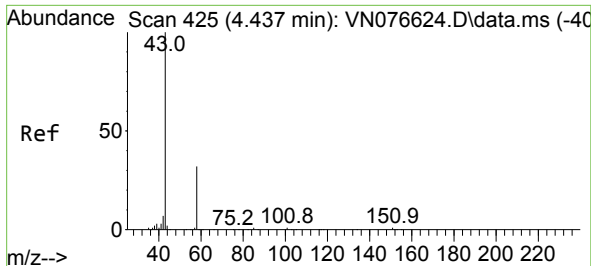
Tgt Ion:168 Resp: 336278
Ion Ratio Lower Upper
168 100
99 59.0 44.8 67.2



#6
Chloroethane
Concen: 0.285 ug/l
RT: 3.137 min Scan# 204
Delta R.T. 0.012 min
Lab File: VN076721.D
Acq: 16 Feb 2023 19:04

Tgt Ion: 64 Resp: 827
Ion Ratio Lower Upper
64 100
66 0.0 24.6 37.0#





#16

Acetone

Concen: 19.343 ug/l

RT: 4.443 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN076721.D

Acq: 16 Feb 2023 19:04

Instrument :

MSVOA_N

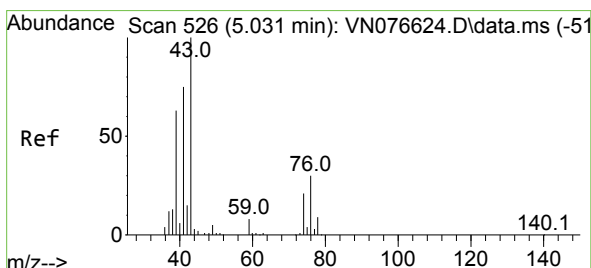
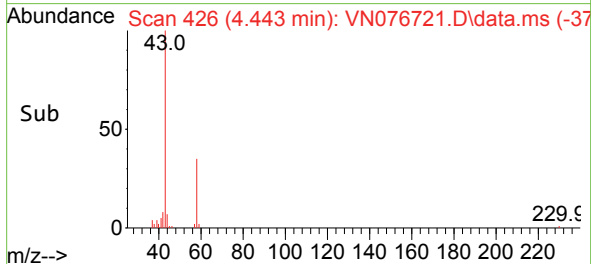
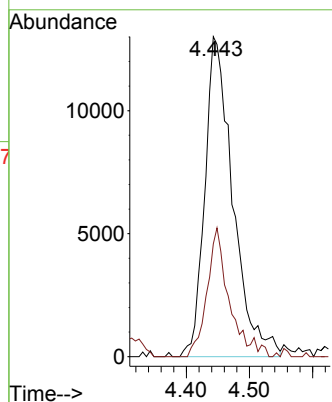
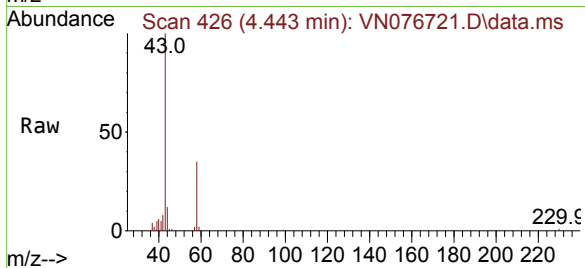
ClientSampleId :

Tgt Ion: 43 Resp: 40121

Ion Ratio Lower Upper

43 100

58 35.2 25.9 38.9



#18

Methyl Acetate

Concen: 1.038 ug/l

RT: 5.043 min Scan# 528

Delta R.T. 0.012 min

Lab File: VN076721.D

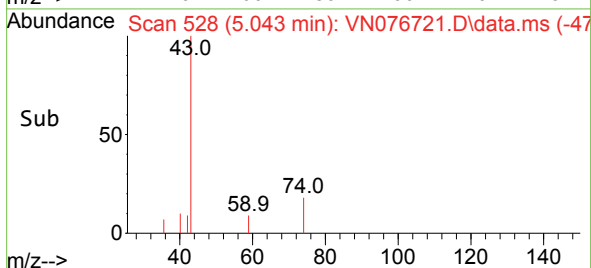
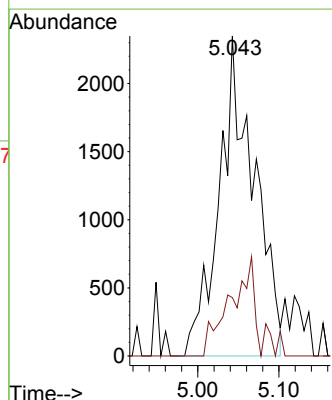
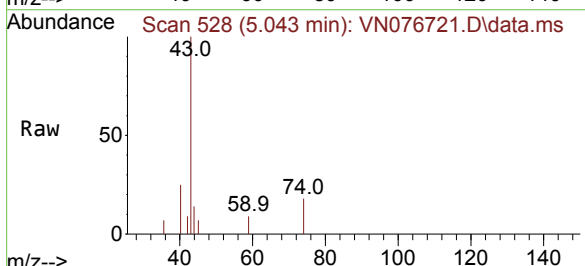
Acq: 16 Feb 2023 19:04

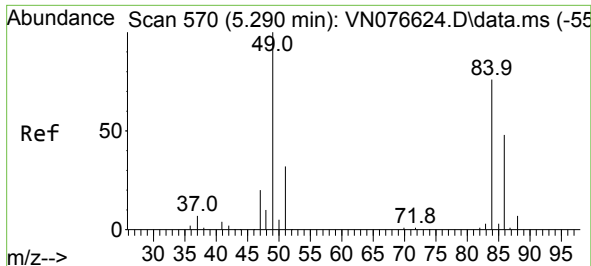
Tgt Ion: 43 Resp: 7025

Ion Ratio Lower Upper

43 100

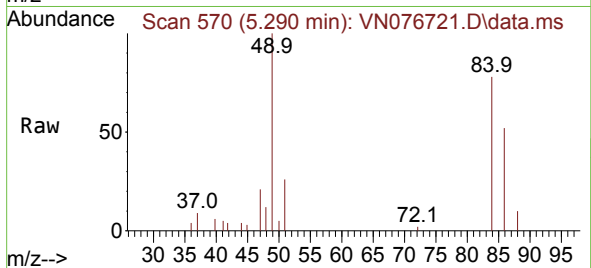
74 0.0 17.7 26.5#



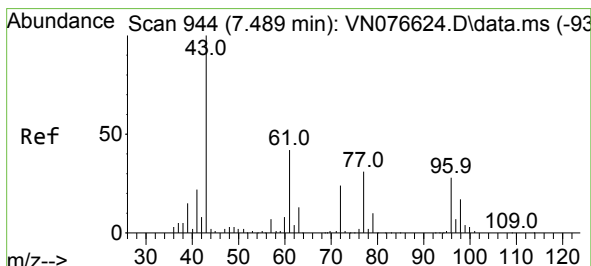
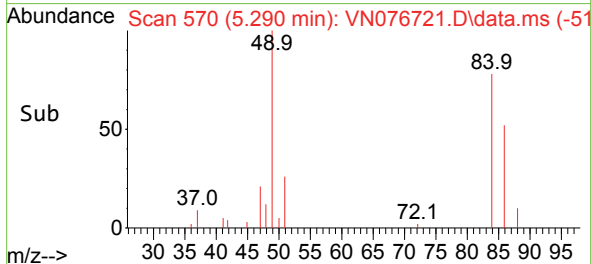
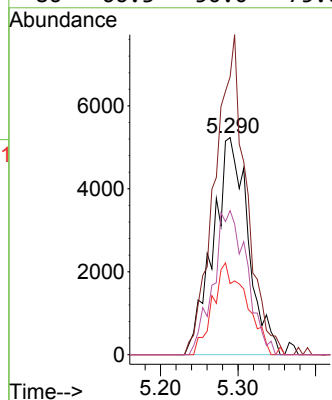


#20
Methylene Chloride
Concen: 3.778 ug/l
RT: 5.290 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076721.D
Acq: 16 Feb 2023 19:04

Instrument :
MSVOA_N
ClientSampleId :

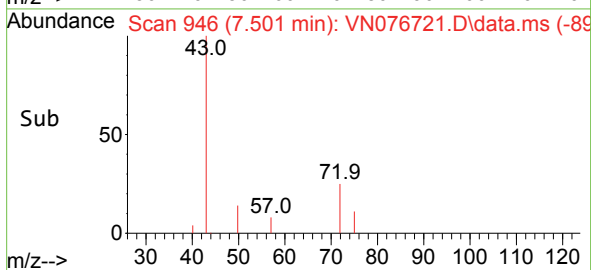
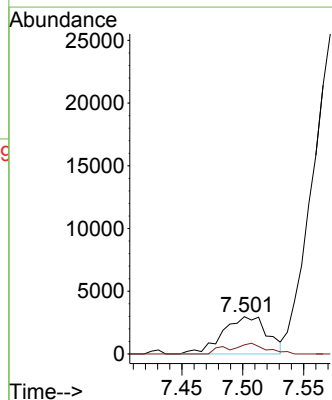
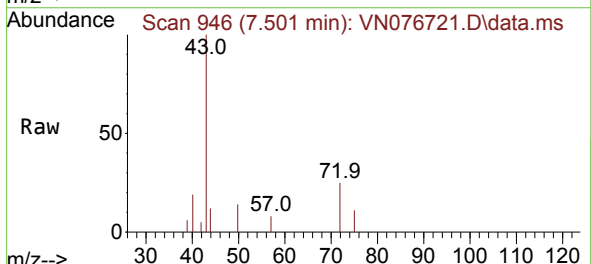


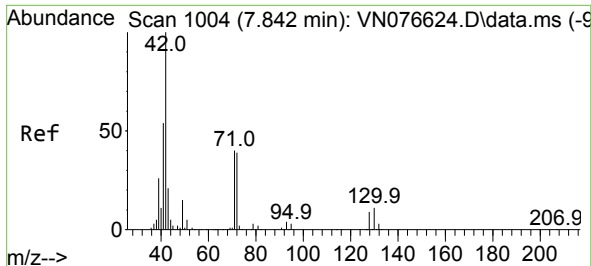
Tgt Ion: 84 Resp: 16424
Ion Ratio Lower Upper
84 100
49 128.0 104.9 157.3
51 32.7 33.8 50.8#
86 66.3 50.0 75.0



#25
2-Butanone
Concen: 2.481 ug/l
RT: 7.501 min Scan# 946
Delta R.T. 0.012 min
Lab File: VN076721.D
Acq: 16 Feb 2023 19:04

Tgt Ion: 43 Resp: 7591
Ion Ratio Lower Upper
43 100
72 24.5 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.325 ug/l

RT: 7.848 min Scan# 1005

Delta R.T. 0.006 min

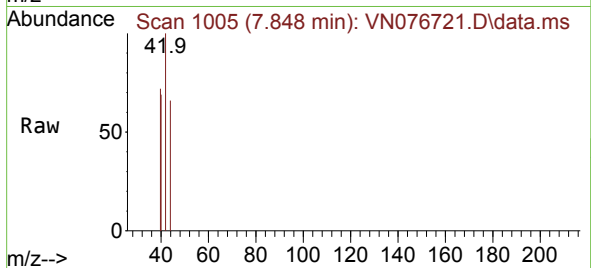
Lab File: VN076721.D

Acq: 16 Feb 2023 19:04

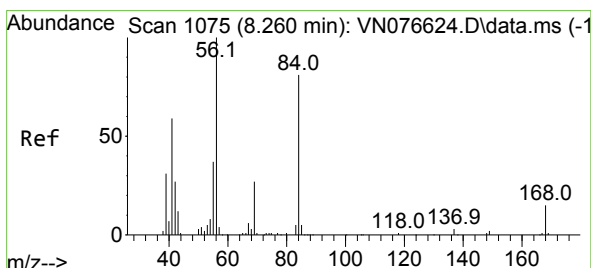
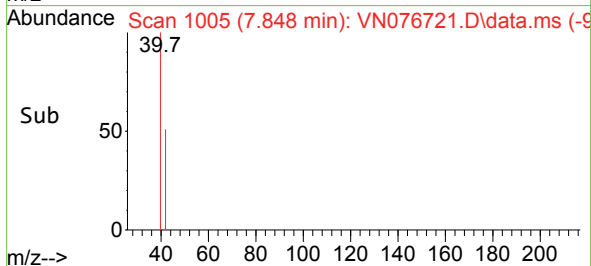
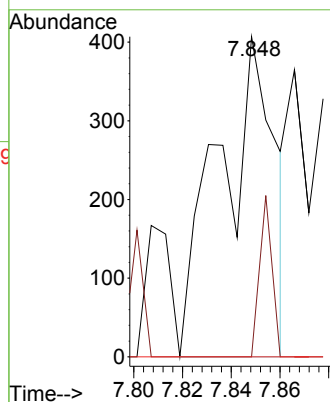
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 42	Resp: 649
Ion Ratio	Lower Upper
42 100	
72 11.1	31.5 47.3#
71 0.0	29.8 44.8#



#31

Cyclohexane

Concen: 1.198 ug/l

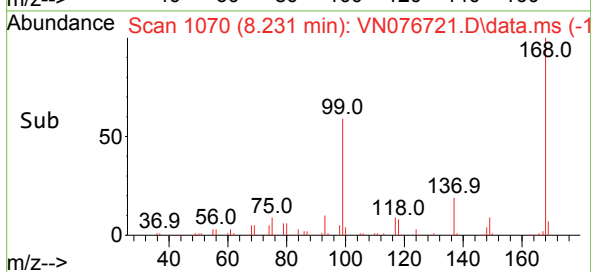
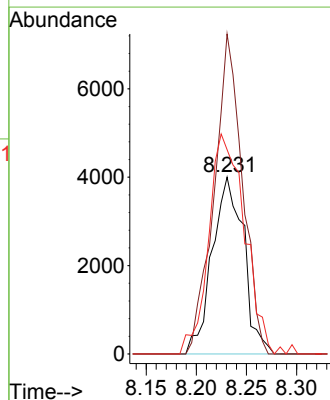
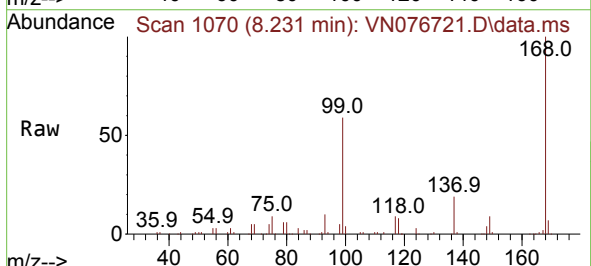
RT: 8.231 min Scan# 1070

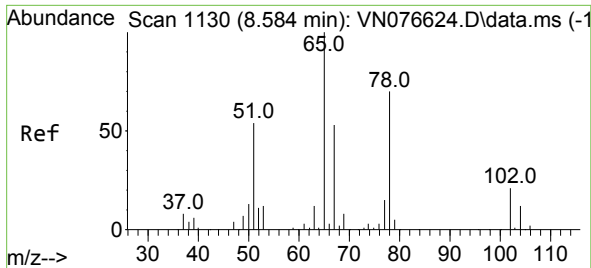
Delta R.T. -0.029 min

Lab File: VN076721.D

Acq: 16 Feb 2023 19:04

Tgt Ion: 56	Resp: 8728
Ion Ratio	Lower Upper
56 100	
69 180.9	21.6 32.4#
84 115.6	65.1 97.7#

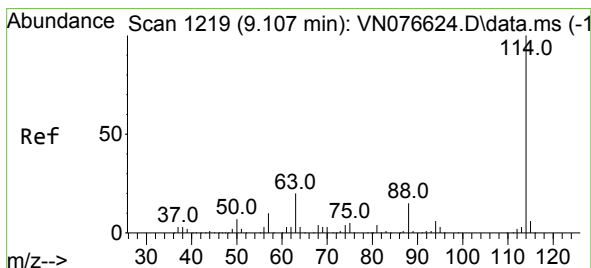
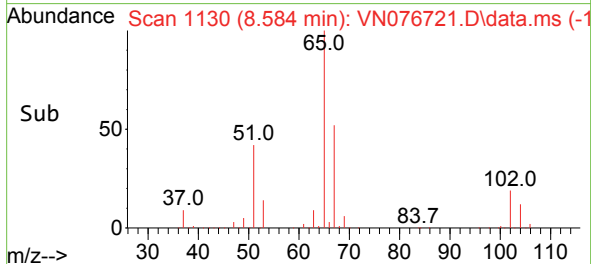
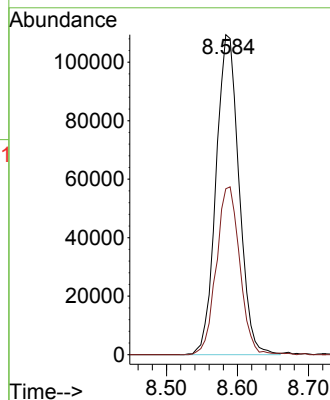
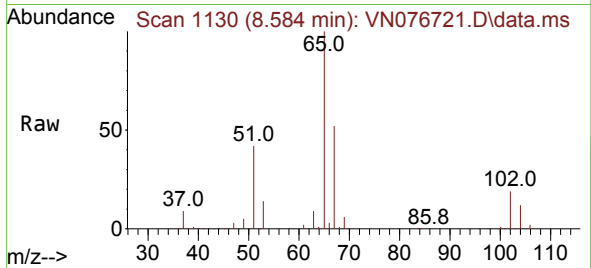




#33
 1,2-Dichloroethane-d4
 Concen: 52.819 ug/l
 RT: 8.584 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VN076721.D
 Acq: 16 Feb 2023 19:04

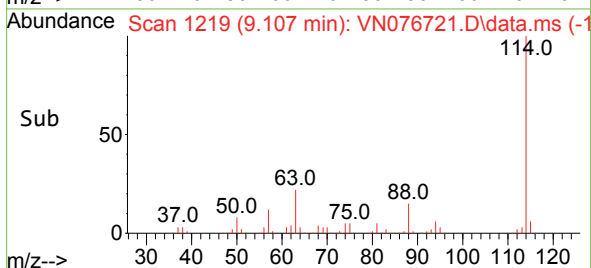
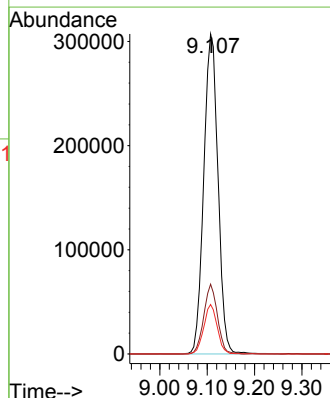
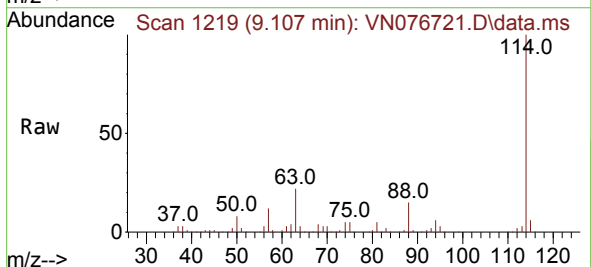
Instrument :
 MSVOA_N
 ClientSampleId :

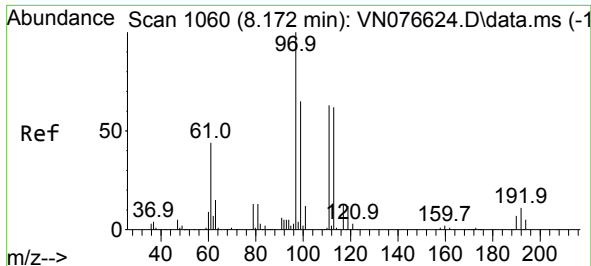
Tgt Ion: 65 Resp: 245264
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.107 min Scan# 1219
 Delta R.T. 0.000 min
 Lab File: VN076721.D
 Acq: 16 Feb 2023 19:04

Tgt Ion: 114 Resp: 640899
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 40.0
 88 15.4 0.0 29.6





#35

Dibromofluoromethane

Concen: 44.668 ug/l

RT: 8.178 min Scan# 1060

Delta R.T. 0.006 min

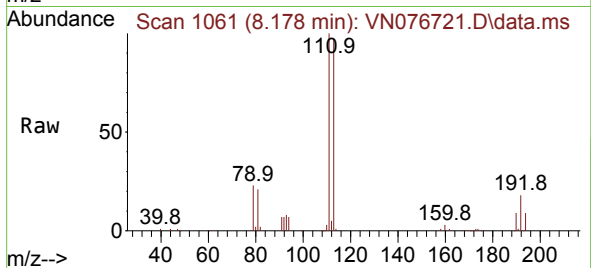
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Instrument :

MSVOA_N

ClientSampleId :



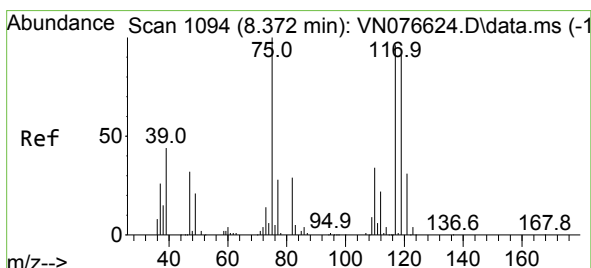
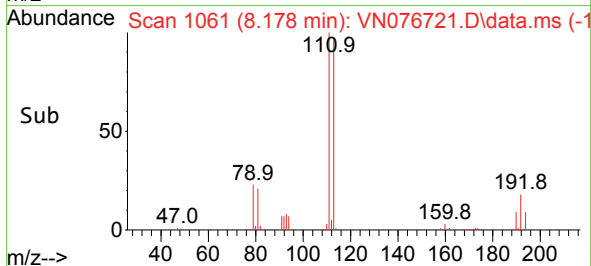
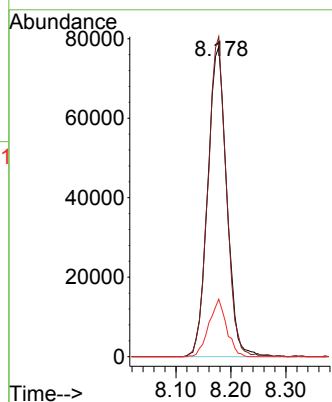
Tgt Ion:113 Resp: 187476

Ion Ratio Lower Upper

113 100

111 100.0 83.1 124.7

192 17.3 15.6 23.4



#36

1,1-Dichloropropene

Concen: 4.929 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.141 min

Lab File: VN076721.D

Acq: 16 Feb 2023 19:04

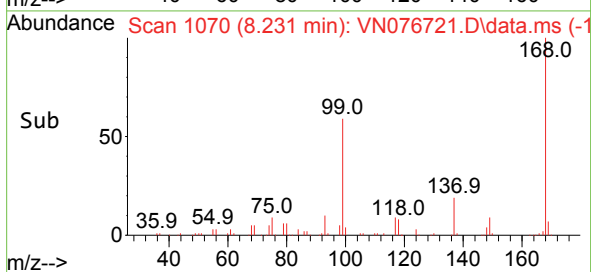
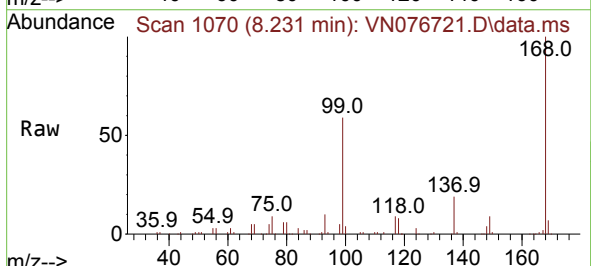
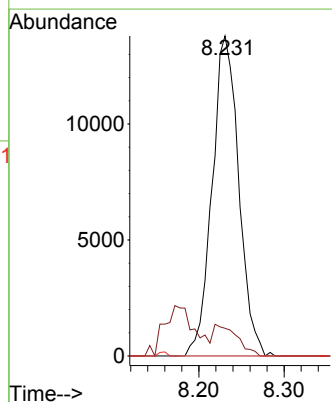
Tgt Ion: 75 Resp: 29893

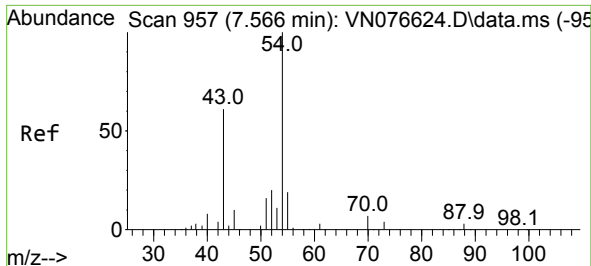
Ion Ratio Lower Upper

75 100

110 8.7 17.5 52.5#

77 0.0 24.5 36.7#

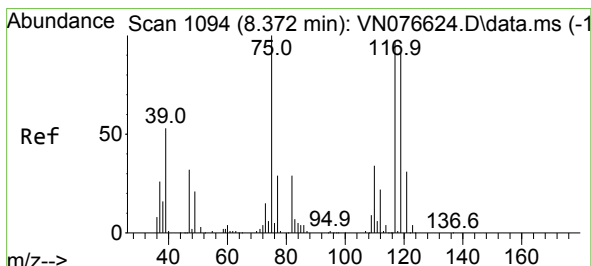
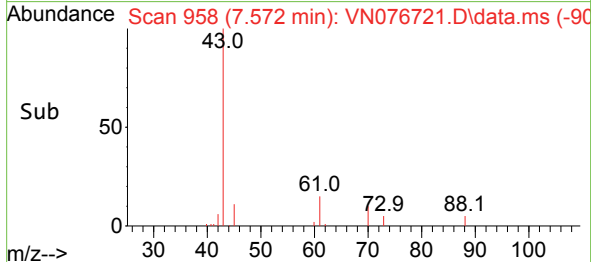
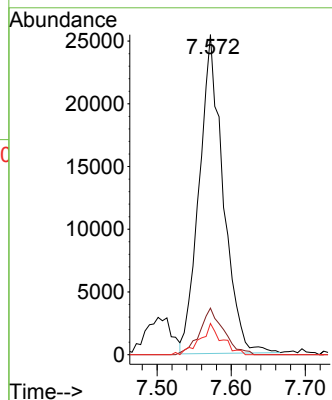
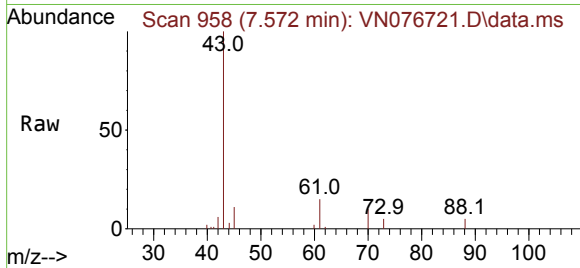




#37
Ethyl Acetate
Concen: 8.951 ug/l
RT: 7.572 min Scan# 911
Delta R.T. 0.006 min
Lab File: VN076721.D
Acq: 16 Feb 2023 19:04

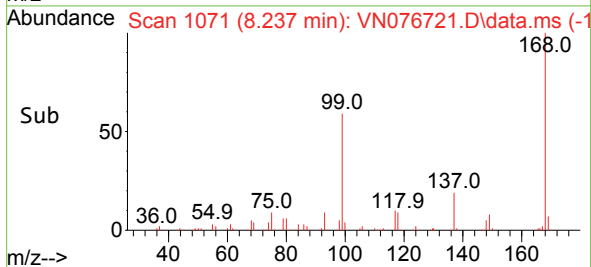
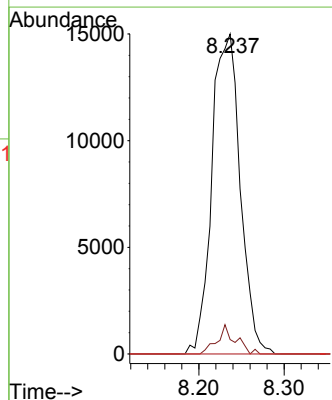
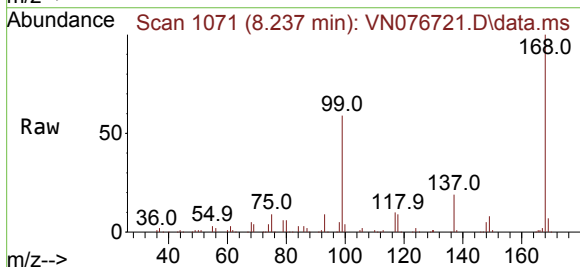
Instrument :
MSVOA_N
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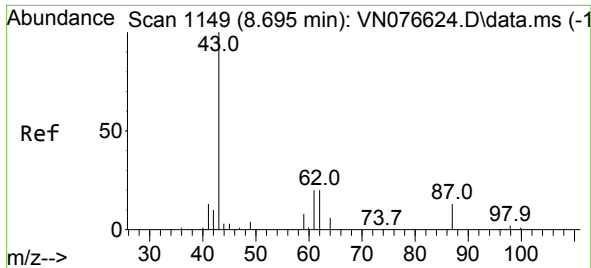
Tgt Ion: 43 Resp: 57113
Ion Ratio Lower Upper
43 100
61 14.5 9.9 14.9
70 8.9 7.8 11.6



#38
Carbon Tetrachloride
Concen: 5.665 ug/l
RT: 8.237 min Scan# 1071
Delta R.T. -0.135 min
Lab File: VN076721.D
Acq: 16 Feb 2023 19:04

Tgt Ion: 117 Resp: 34658
Ion Ratio Lower Upper
117 100
119 4.5 75.4 113.0#
121 0.0 26.0 39.0#

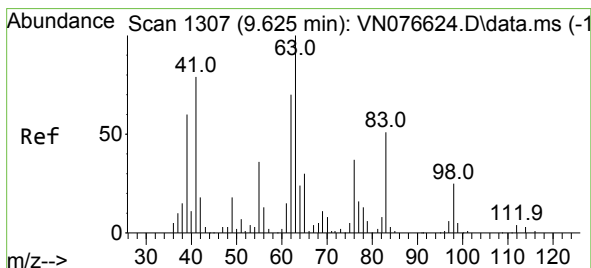
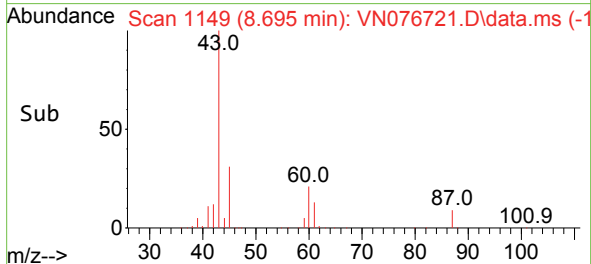
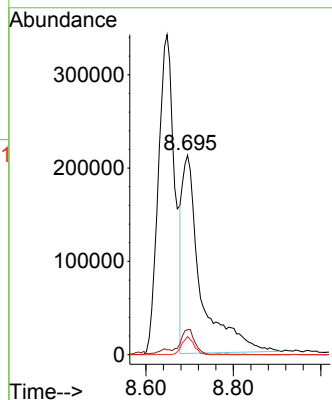
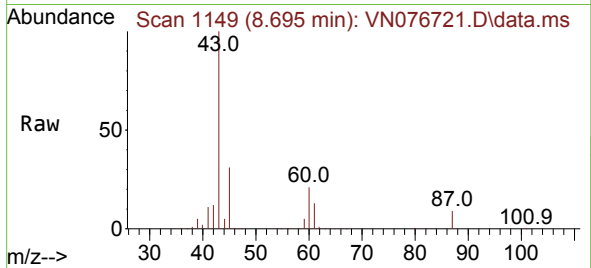




#43
Isopropyl Acetate
Concen: 60.445 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN076721.D
Acq: 16 Feb 2023 19:04

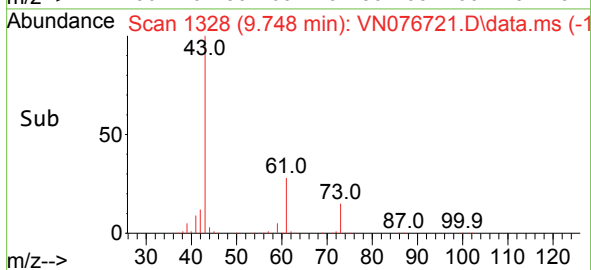
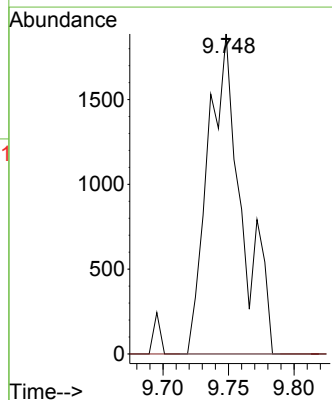
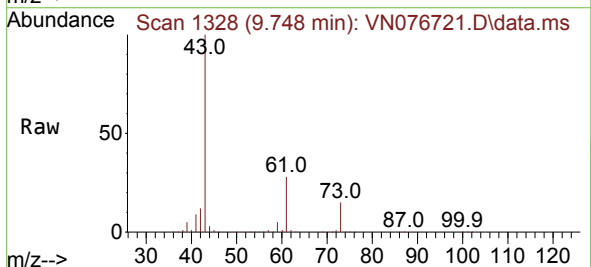
Instrument :
MSVOA_N
ClientSampleId :

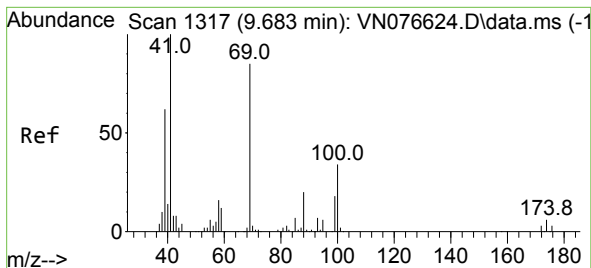
Tgt Ion: 43 Resp: 627552
Ion Ratio Lower Upper
43 100
61 9.4 20.0 30.0#
87 5.9 9.9 14.9#



#45
1,2-Dichloropropane
Concen: 0.680 ug/l
RT: 9.748 min Scan# 1328
Delta R.T. 0.123 min
Lab File: VN076721.D
Acq: 16 Feb 2023 19:04

Tgt Ion: 63 Resp: 3352
Ion Ratio Lower Upper
63 100
65 0.0 24.2 36.2#





#48

Methyl methacrylate

Concen: 1.636 ug/l

RT: 9.672 min Scan# 1315

Delta R.T. -0.011 min

Lab File: VN076721.D

Acq: 16 Feb 2023 19:04

Instrument :

MSVOA_N

ClientSampleId :

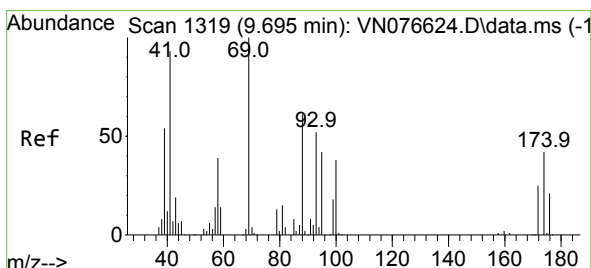
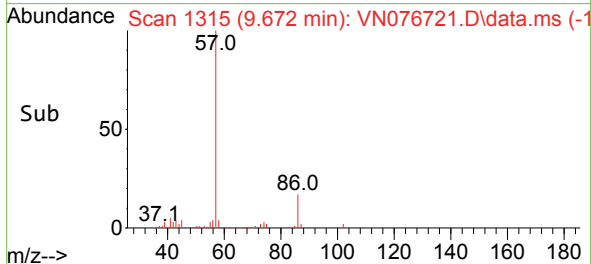
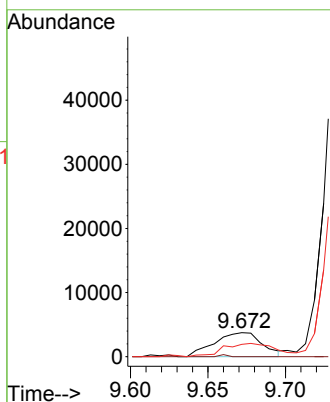
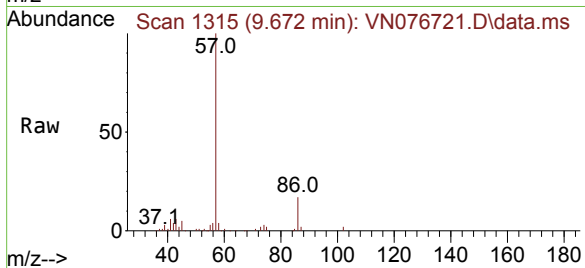
Tgt Ion: 41 Resp: 8060

Ion Ratio Lower Upper

41 100

69 1.4 65.4 98.0#

39 61.2 49.3 73.9



#49

1,4-Dioxane

Concen: 1.455 ug/l

RT: 9.736 min Scan# 1326

Delta R.T. 0.041 min

Lab File: VN076721.D

Acq: 16 Feb 2023 19:04

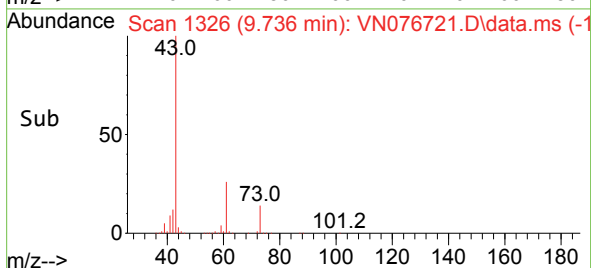
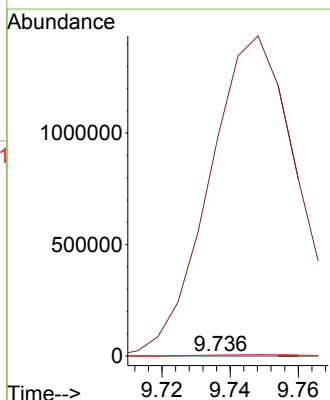
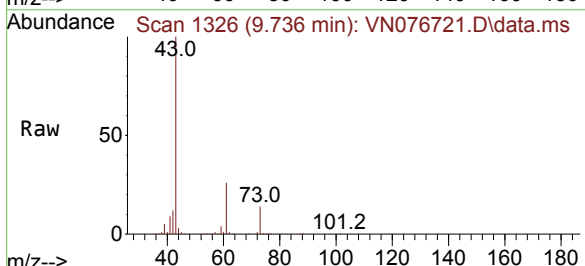
Tgt Ion: 88 Resp: 124

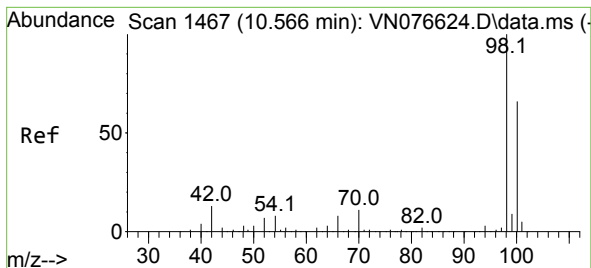
Ion Ratio Lower Upper

88 100

43 2120053.2 22.6 33.8#

58 9392.7 57.6 86.4#





#50

Toluene-d8

Concen: 50.462 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN076721.D

Acq: 16 Feb 2023 19:04

Instrument :

MSVOA_N

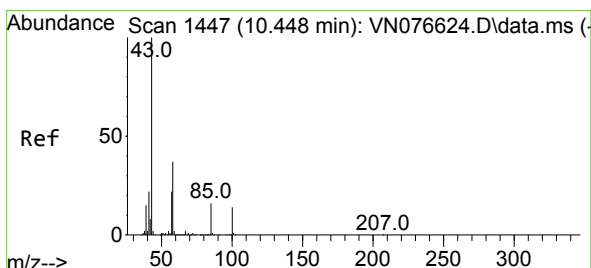
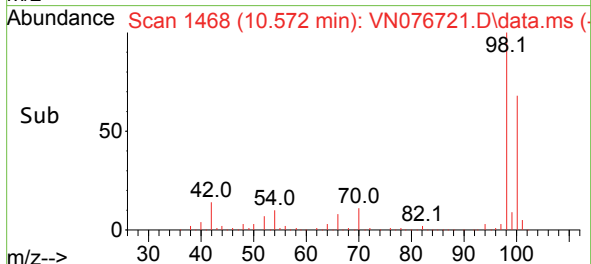
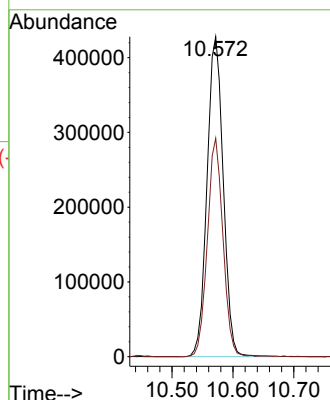
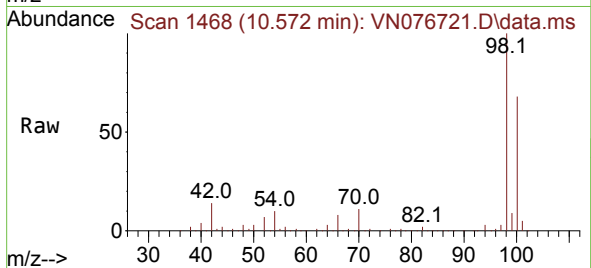
ClientSampleId :

Tgt Ion: 98 Resp: 790960

Ion Ratio Lower Upper

98 100

100 65.6 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 3.562 ug/l

RT: 10.442 min Scan# 1446

Delta R.T. -0.006 min

Lab File: VN076721.D

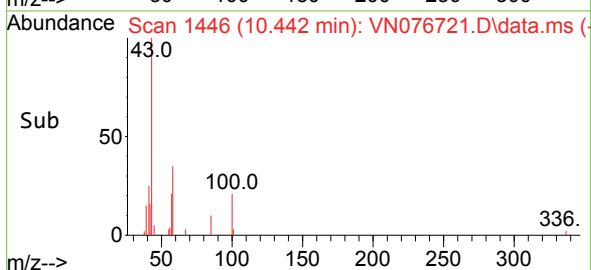
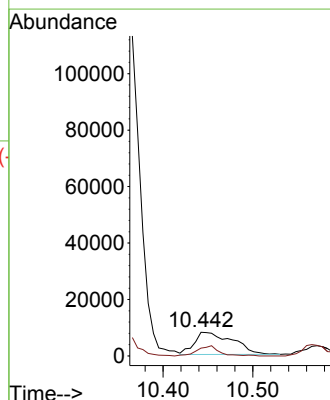
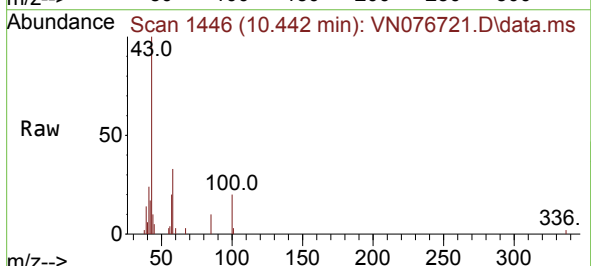
Acq: 16 Feb 2023 19:04

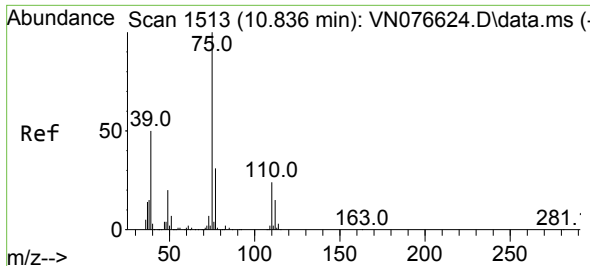
Tgt Ion: 43 Resp: 23528

Ion Ratio Lower Upper

43 100

58 26.1 29.5 44.3#

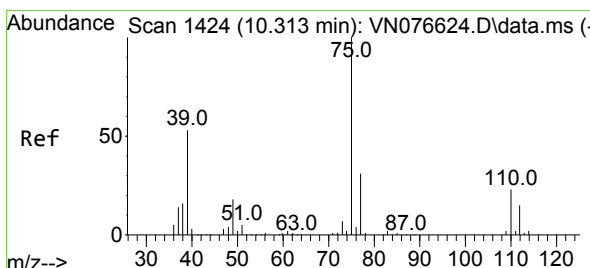
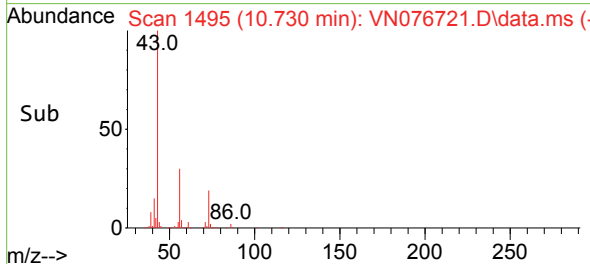
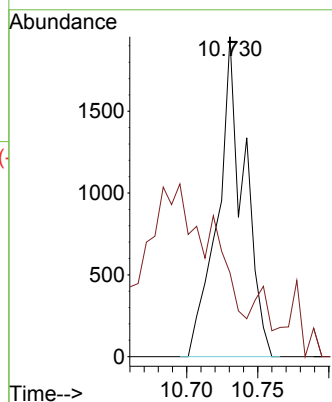
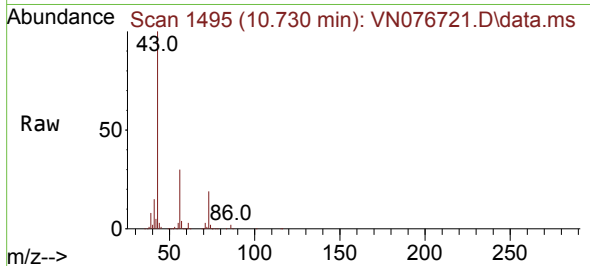




#53
t-1,3-Dichloropropene
Concen: 0.418 ug/l
RT: 10.730 min Scan# 1433
Delta R.T. -0.106 min
Lab File: VN076721.D
Acq: 16 Feb 2023 19:04

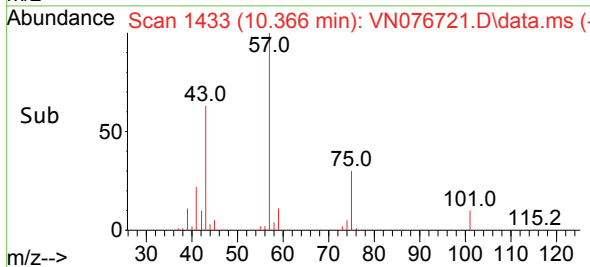
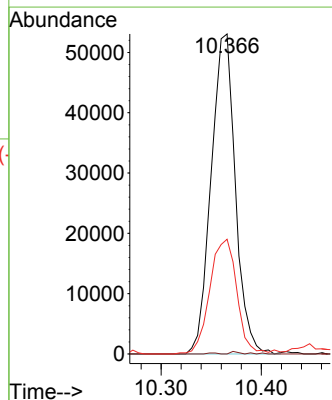
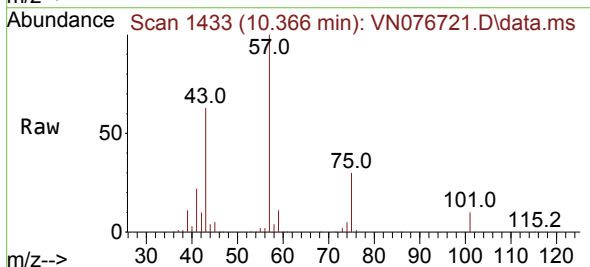
Instrument :
MSVOA_N
ClientSampleId :

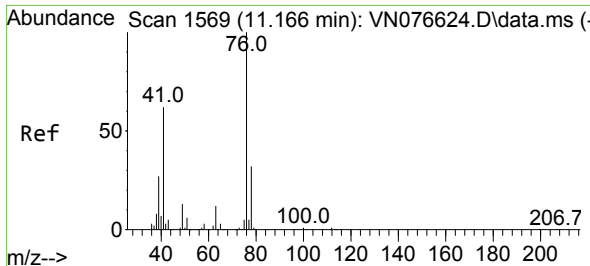
Tgt Ion: 75 Resp: 2547
Ion Ratio Lower Upper
75 100
77 17.1 24.6 37.0#



#54
cis-1,3-Dichloropropene
Concen: 12.685 ug/l
RT: 10.366 min Scan# 1433
Delta R.T. 0.053 min
Lab File: VN076721.D
Acq: 16 Feb 2023 19:04

Tgt Ion: 75 Resp: 89235
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#
39 35.5 42.3 63.5#





#57

1,3-Dichloropropane

Concen: 1.624 ug/l

RT: 11.207 min Scan# 11

Delta R.T. 0.041 min

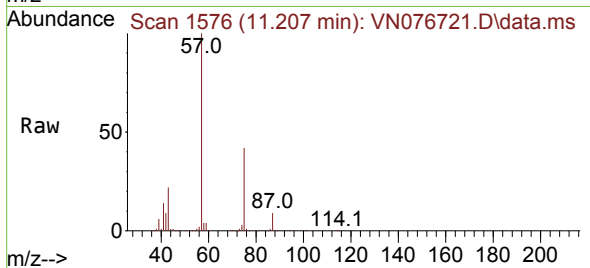
Lab File: VN076721.D

Acq: 16 Feb 2023 19:04

Instrument :

MSVOA_N

ClientSampleId :

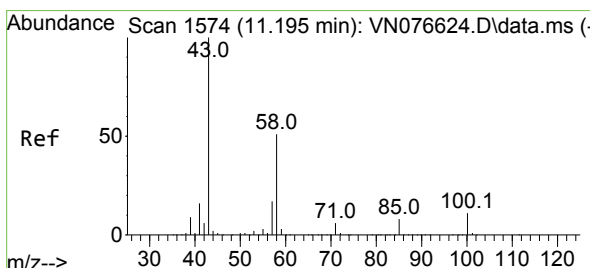
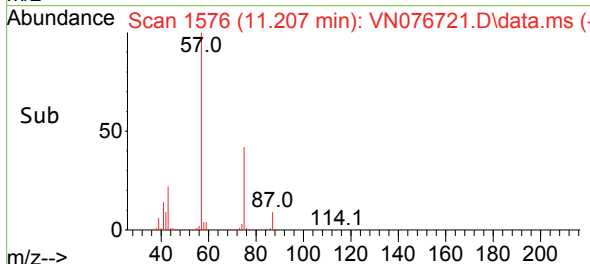
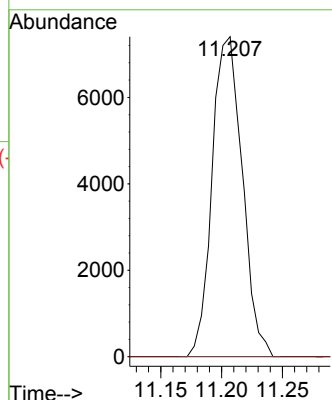


Tgt Ion: 76 Resp: 12757

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 48.604 ug/l

RT: 11.178 min Scan# 1571

Delta R.T. -0.017 min

Lab File: VN076721.D

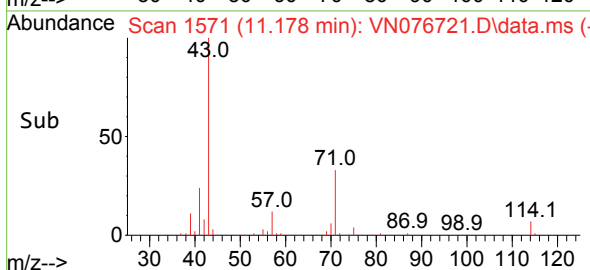
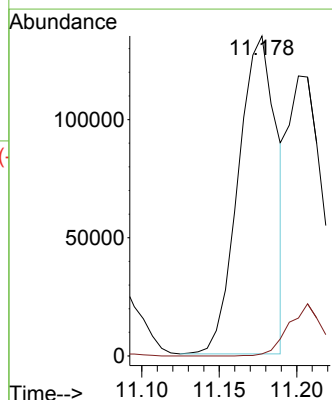
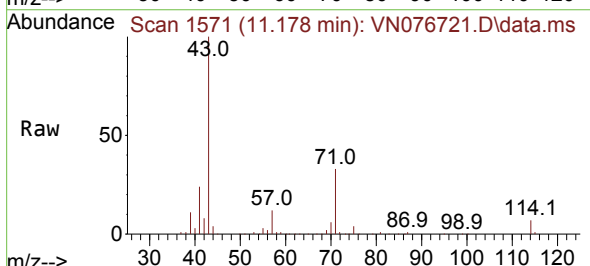
Acq: 16 Feb 2023 19:04

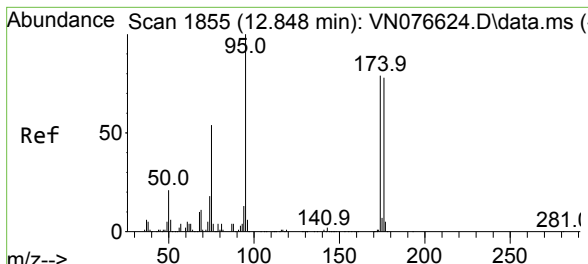
Tgt Ion: 43 Resp: 231496

Ion Ratio Lower Upper

43 100

58 0.0 25.4 76.0#

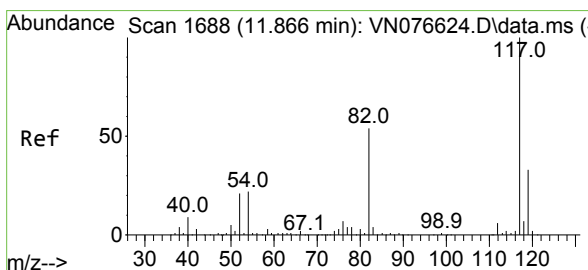
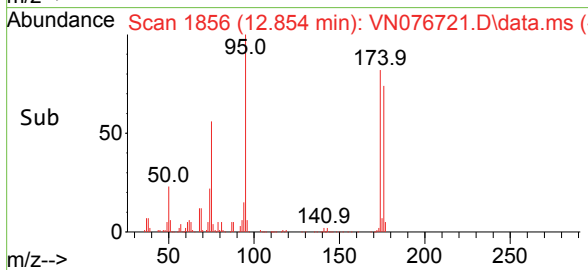
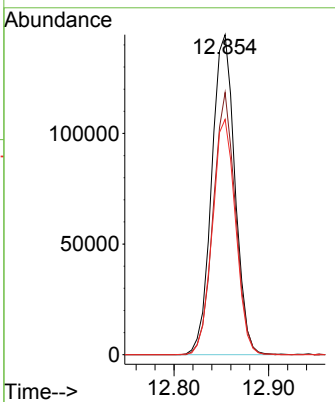
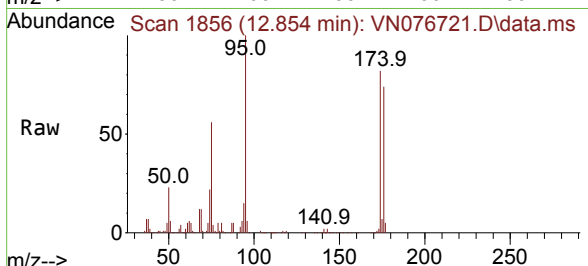




#62
 4-Bromofluorobenzene
 Concen: 47.467 ug/l
 RT: 12.854 min Scan# 1856
 Delta R.T. 0.006 min
 Lab File: VN076721.D
 Acq: 16 Feb 2023 19:04

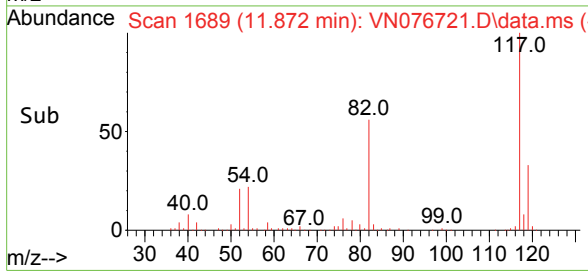
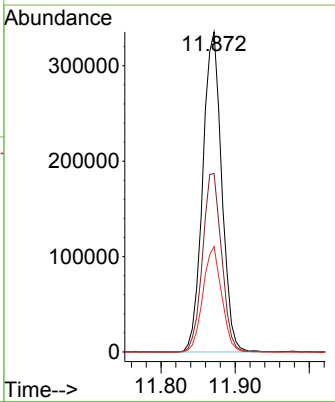
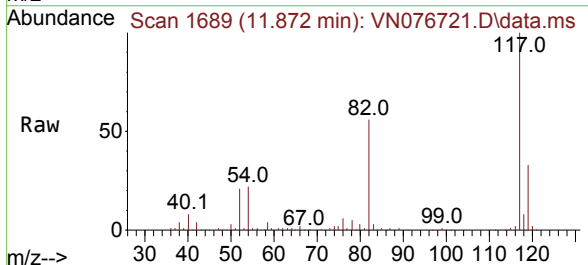
Instrument :
 MSVOA_N
 ClientSampleId :

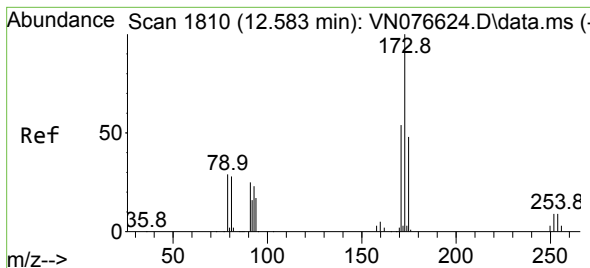
Tgt Ion:	95	Resp:	246422
Ion	Ratio	Lower	Upper
95	100		
174	78.4	0.0	169.2
176	73.4	0.0	163.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.872 min Scan# 1689
 Delta R.T. 0.006 min
 Lab File: VN076721.D
 Acq: 16 Feb 2023 19:04

Tgt Ion:	117	Resp:	594947
Ion	Ratio	Lower	Upper
117	100		
82	55.8	43.4	65.2
119	33.0	26.1	39.1





#71

Bromoform

Concen: 0.330 ug/l

RT: 12.842 min Scan# 1810

Delta R.T. 0.259 min

Lab File: VN076721.D

Acq: 16 Feb 2023 19:04

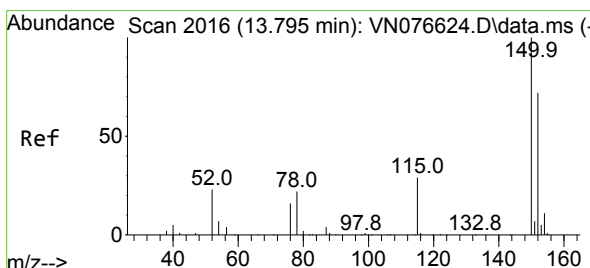
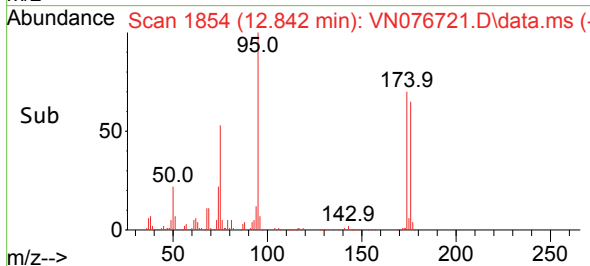
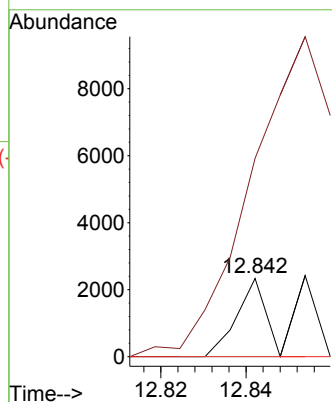
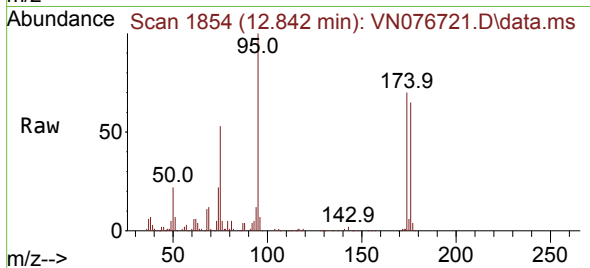
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 1107

Ion	Ratio	Lower	Upper
173	100		
175	1128.4	24.9	74.7#
254	0.0	0.1	0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

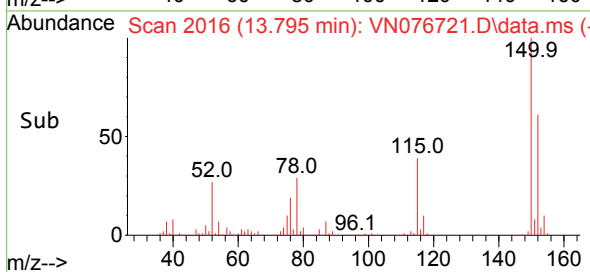
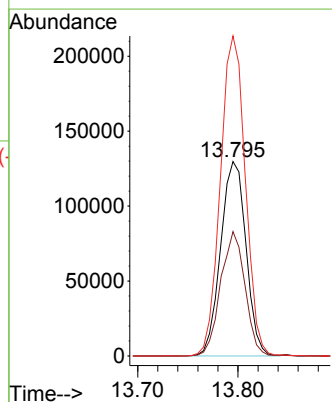
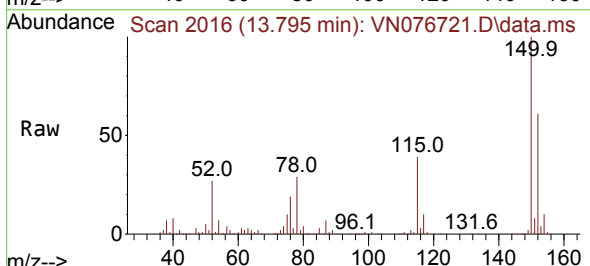
Delta R.T. 0.000 min

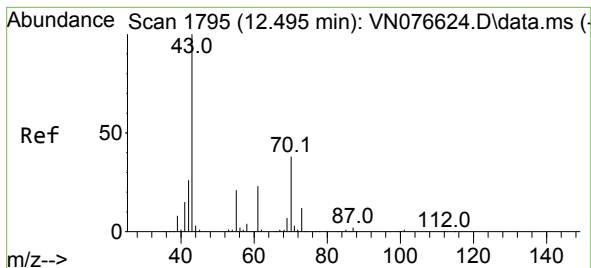
Lab File: VN076721.D

Acq: 16 Feb 2023 19:04

Tgt Ion:152 Resp: 228013

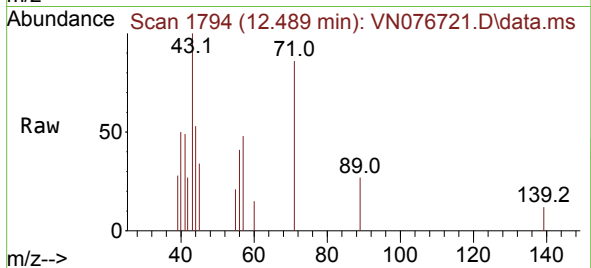
Ion	Ratio	Lower	Upper
152	100		
115	61.5	29.3	87.9
150	162.0	0.0	349.8



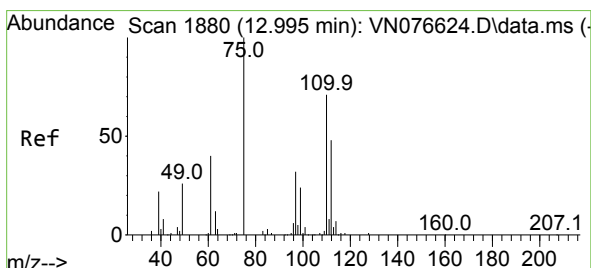
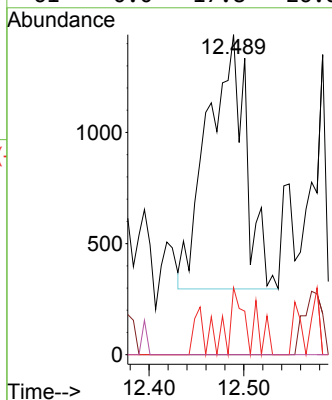
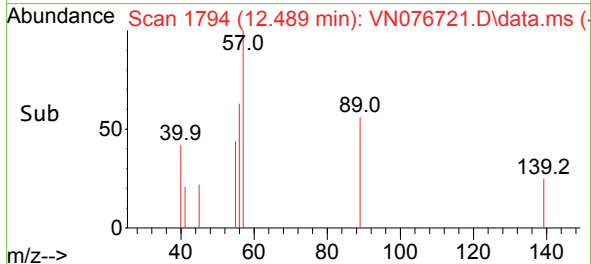


#74
N-amy1 acetate
Concen: 0.429 ug/l
RT: 12.489 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VN076721.D
Acq: 16 Feb 2023 19:04

Instrument :
MSVOA_N
ClientSampleId :

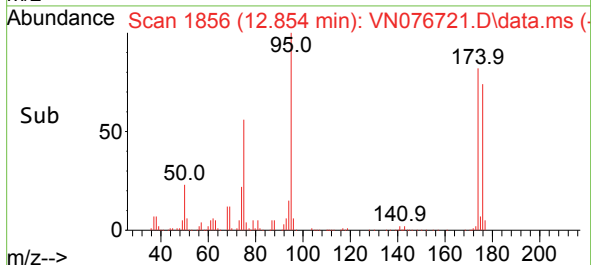
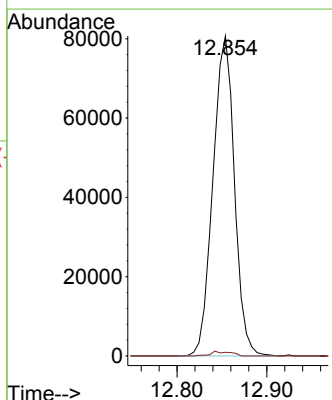
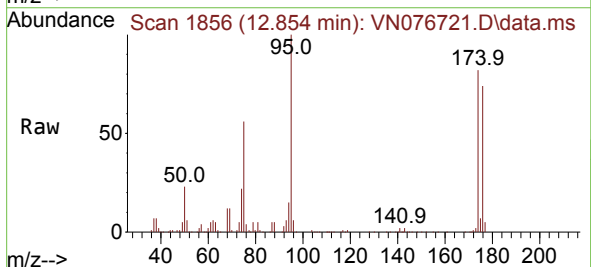


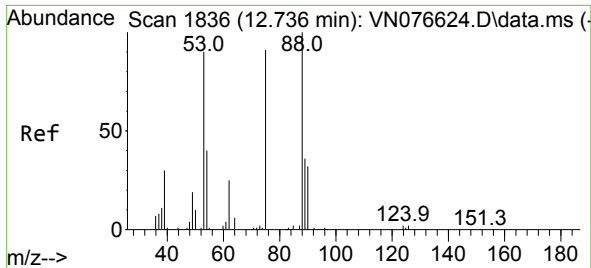
Tgt Ion: 43	Resp: 3230
Ion Ratio	Lower Upper
43 100	
70 0.0	30.5 45.7#
55 9.6	17.8 26.8#
61 0.0	17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 29.105 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076721.D
Acq: 16 Feb 2023 19:04

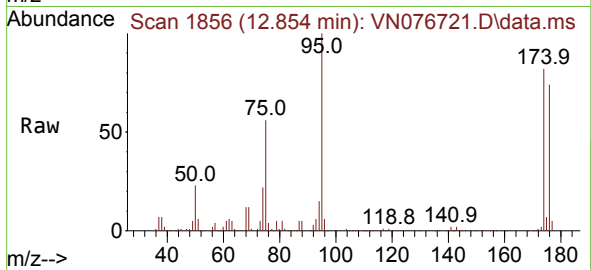
Tgt Ion: 75	Resp: 134166
Ion Ratio	Lower Upper
75 100	
77 1.3	93.1 279.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.769 ug/l
 RT: 12.854 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN076721.D
 Acq: 16 Feb 2023 19:04

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	92.1	138.1#
89	0.0	37.5	56.3#

