

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021623\
 Data File : VN076720.D
 Acq On : 16 Feb 2023 18:40
 Operator : JC\MD
 Sample : PB150883TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 17 00:17:19 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)

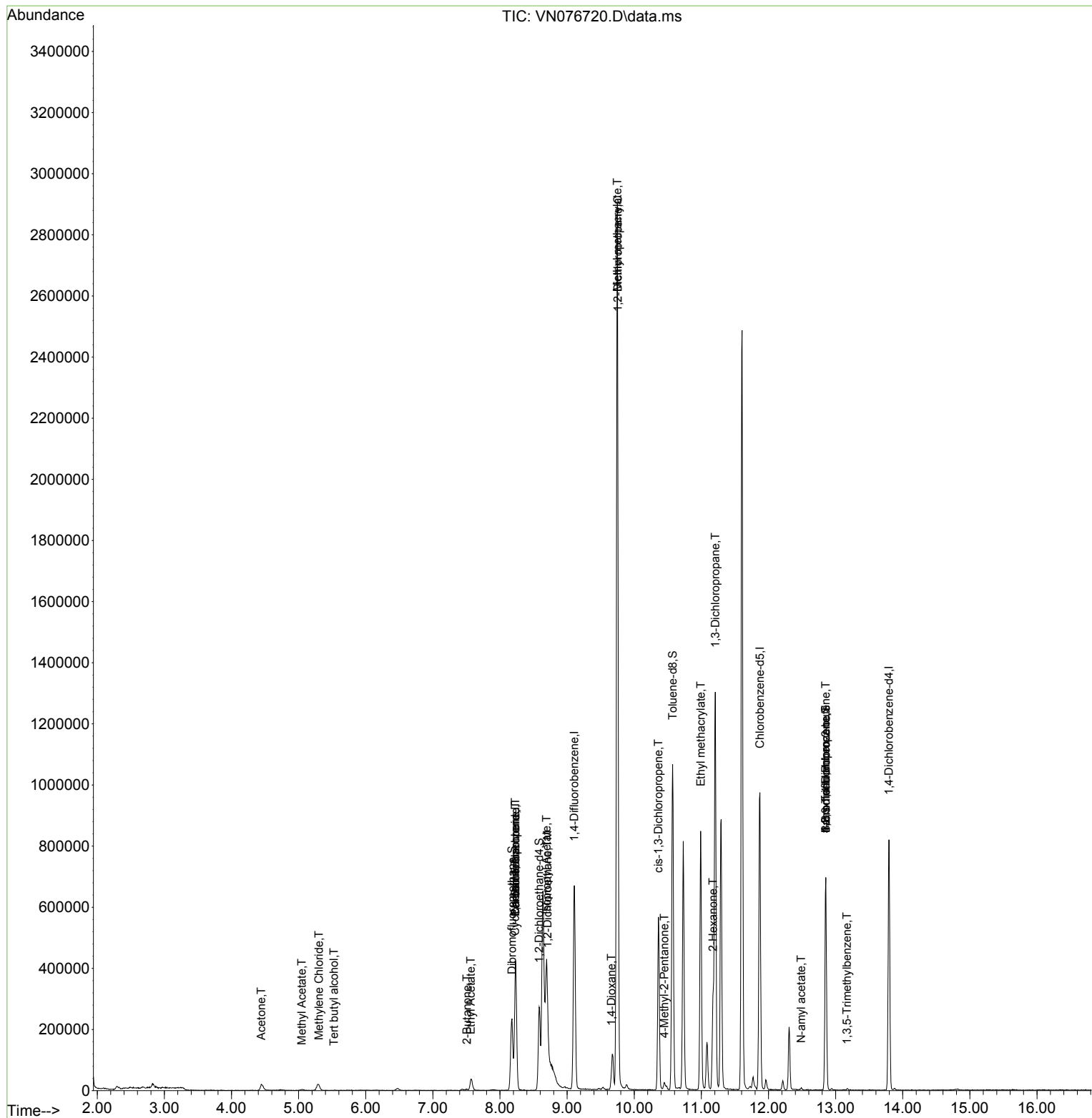
Internal Standards						
1) Pentafluorobenzene	8.231	168	295510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	557442	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	549387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	206847	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	213608	52.348	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.700%			
35) Dibromofluoromethane	8.178	113	163894	44.895	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.800%			
50) Toluene-d8	10.572	98	705766	51.768	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.540%			
62) 4-Bromofluorobenzene	12.854	95	221758	49.112	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.220%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.525	59	141	0.262	ug/l #	71
16) Acetone	4.443	43	36199	19.860	ug/l	98
18) Methyl Acetate	5.048	43	6585	1.107	ug/l	93
20) Methylene Chloride	5.301	84	15800	4.136	ug/l #	81
25) 2-Butanone	7.507	43	5649	2.101	ug/l #	89
31) Cyclohexane	8.225	56	8415	1.315	ug/l #	43
36) 1,1-Dichloropropene	8.231	75	25819	4.895	ug/l #	48
37) Ethyl Acetate	7.566	43	60600	10.920	ug/l	98
38) Carbon Tetrachloride	8.231	117	30898	5.807	ug/l #	16
42) 1,2-Dichloroethane	8.707	62	2541	0.450	ug/l #	74
43) Isopropyl Acetate	8.695	43	623391	69.034	ug/l #	73
45) 1,2-Dichloropropane	9.754	63	3291	0.768	ug/l #	44
48) Methyl methacrylate	9.748	41	247767	57.821	ug/l #	45
49) 1,4-Dioxane	9.660	88	54	0.729	ug/l #	23
51) 4-Methyl-2-Pentanone	10.448	43	25221	4.390	ug/l #	72
54) cis-1,3-Dichloropropene	10.360	75	93095	15.215	ug/l #	66
56) Ethyl methacrylate	10.989	69	3483	0.622	ug/l #	1
57) 1,3-Dichloropropane	11.207	76	13542	1.982	ug/l #	42
59) 2-Hexanone	11.172	43	247909	59.843	ug/l #	27
71) Bromoform	12.854	173	1625	0.524	ug/l #	1
74) N-amyl acetate	12.489	43	2326	0.340	ug/l #	52
76) 1,2,3-Trichloropropane	12.854	75	122433	29.277	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.171	105	2597	0.207	ug/l	71
81) trans-1,4-Dichloro-2-b...	12.854	75	122433	85.272	ug/l #	4

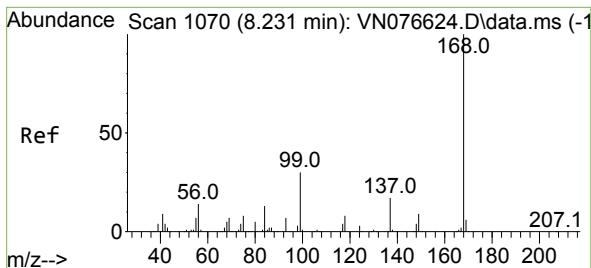
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 14 01:44:47 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.231 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076720.D

Acq: 16 Feb 2023 18:40

Instrument :

MSVOA_N

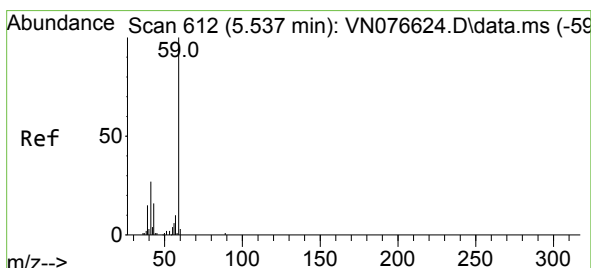
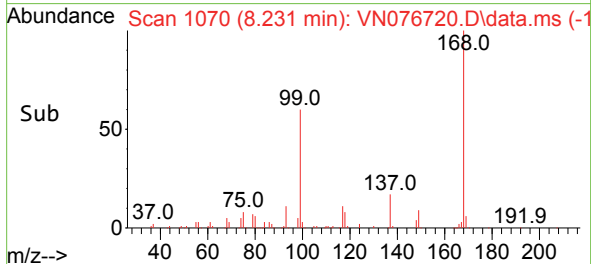
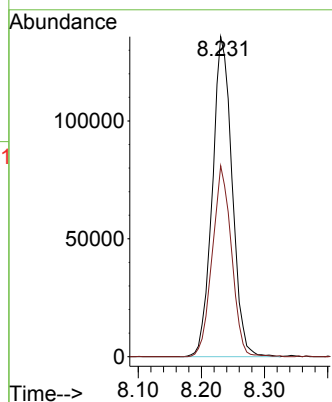
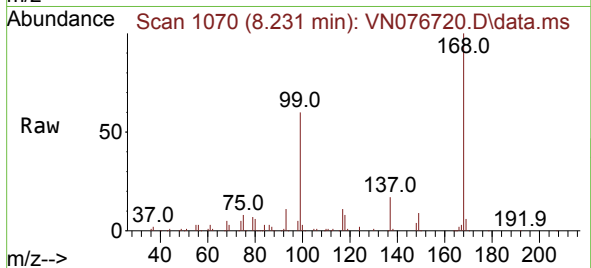
ClientSampleId :

Tgt Ion:168 Resp: 295510

Ion Ratio Lower Upper

168 100

99 59.6 44.8 67.2



#11

Tert butyl alcohol

Concen: 0.262 ug/l

RT: 5.525 min Scan# 610

Delta R.T. -0.012 min

Lab File: VN076720.D

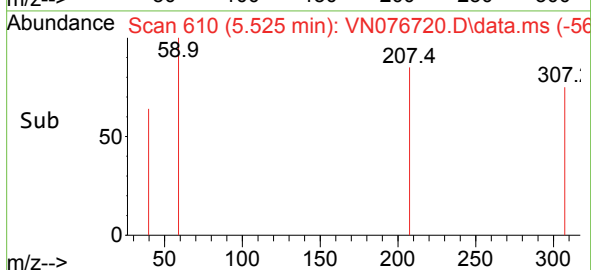
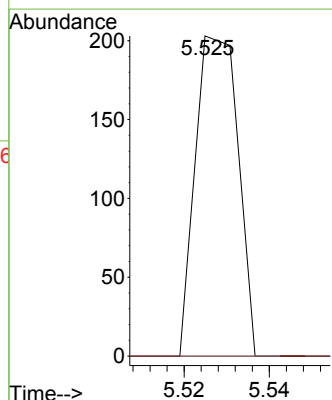
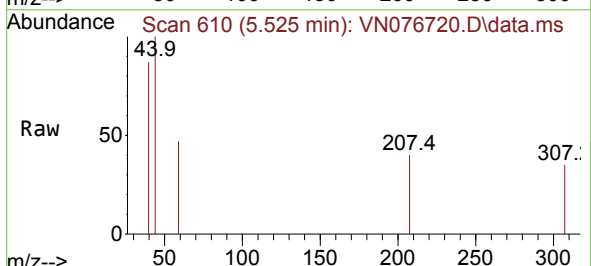
Acq: 16 Feb 2023 18:40

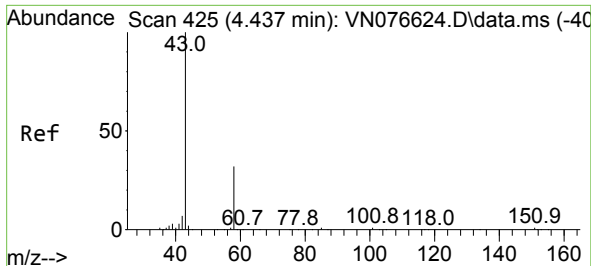
Tgt Ion: 59 Resp: 141

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#

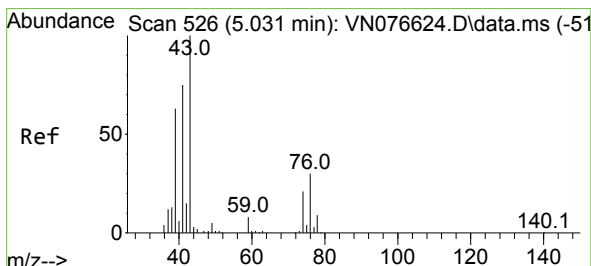
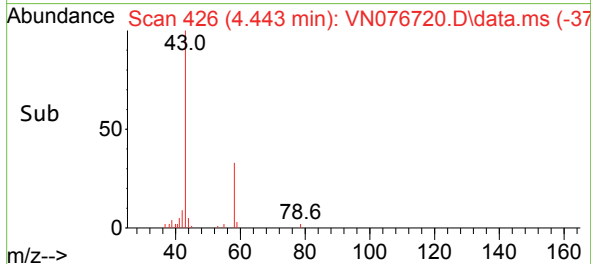
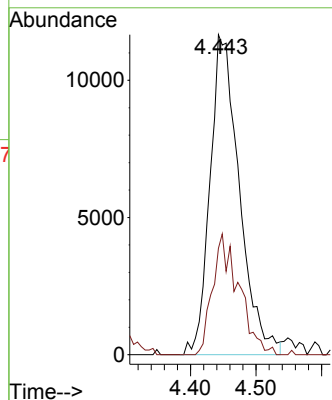
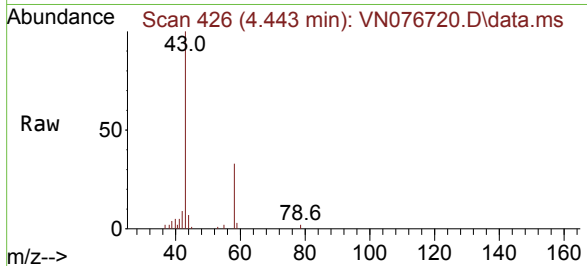




#16
Acetone
Concen: 19.860 ug/l
RT: 4.443 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN076720.D
Acq: 16 Feb 2023 18:40

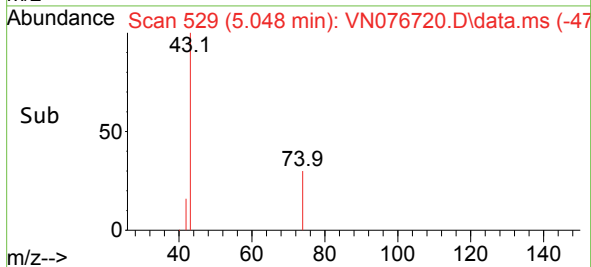
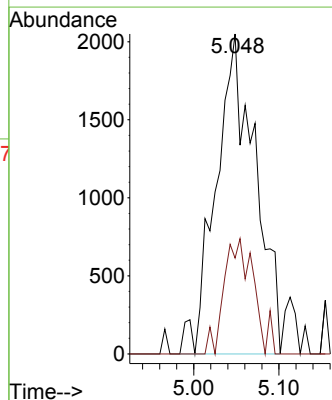
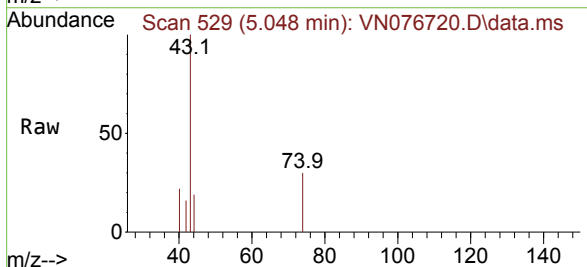
Instrument :
MSVOA_N
ClientSampleId :

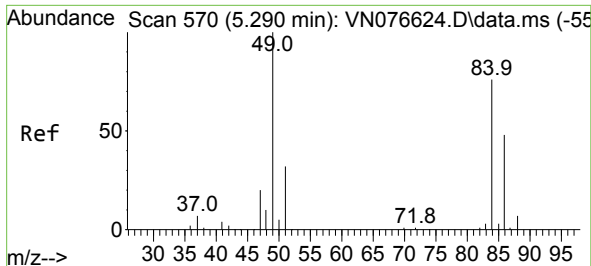
Tgt Ion: 43 Resp: 36199
Ion Ratio Lower Upper
43 100
58 33.3 25.9 38.9



#18
Methyl Acetate
Concen: 1.107 ug/l
RT: 5.048 min Scan# 529
Delta R.T. 0.017 min
Lab File: VN076720.D
Acq: 16 Feb 2023 18:40

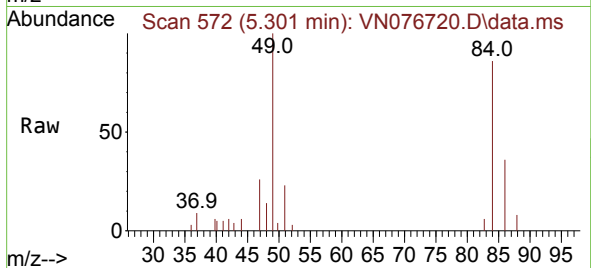
Tgt Ion: 43 Resp: 6585
Ion Ratio Lower Upper
43 100
74 25.6 17.7 26.5





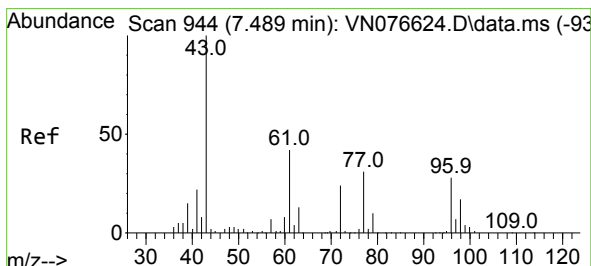
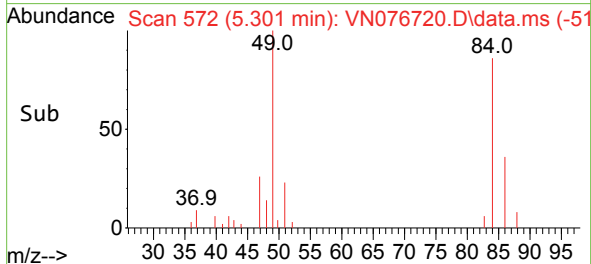
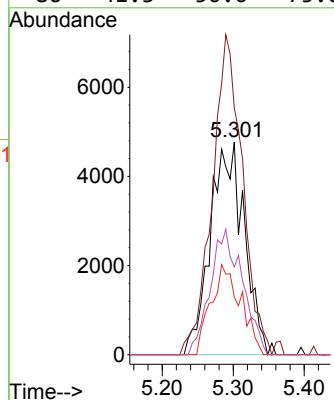
#20
Methylene Chloride
Concen: 4.136 ug/l
RT: 5.301 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN076720.D
Acq: 16 Feb 2023 18:40

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 15800

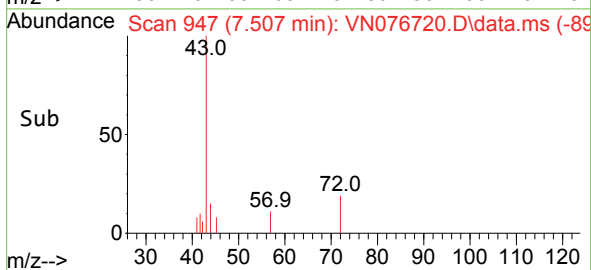
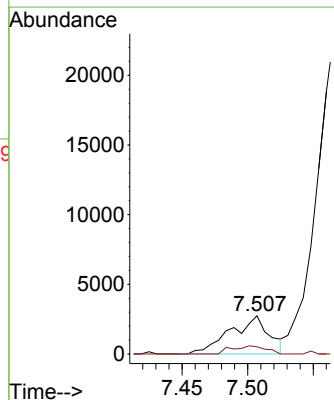
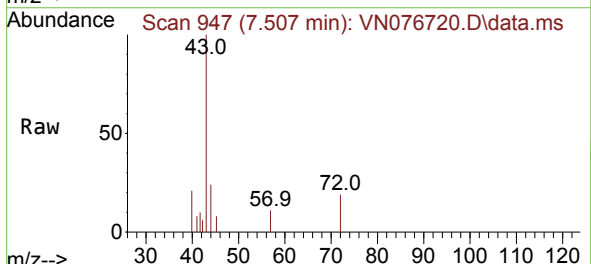
Ion	Ratio	Lower	Upper
84	100		
49	116.1	104.9	157.3
51	27.1	33.8	50.8#
86	41.3	50.0	75.0#

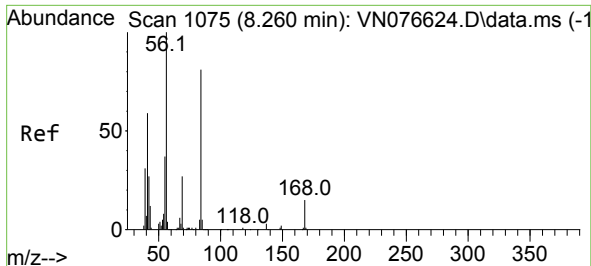


#25
2-Butanone
Concen: 2.101 ug/l
RT: 7.507 min Scan# 947
Delta R.T. 0.018 min
Lab File: VN076720.D
Acq: 16 Feb 2023 18:40

Tgt Ion: 43 Resp: 5649

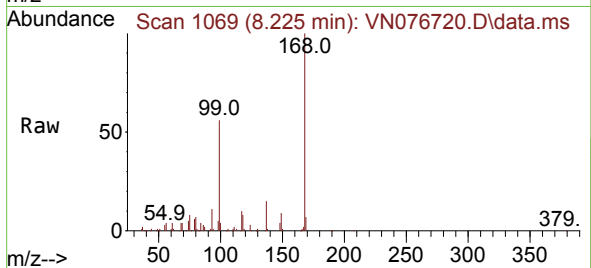
Ion	Ratio	Lower	Upper
43	100		
72	19.0	19.4	29.2#



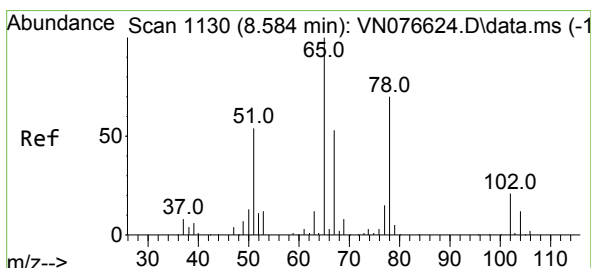
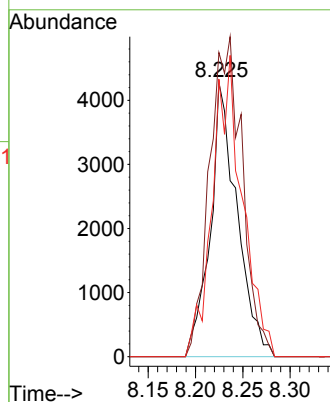
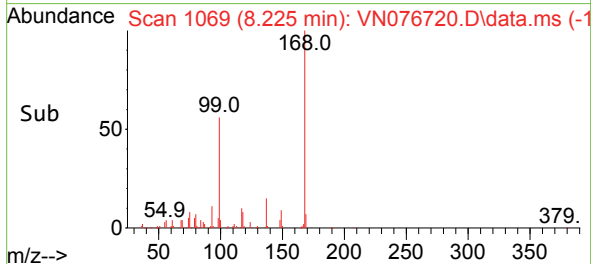


#31
Cyclohexane
Concen: 1.315 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.035 min
Lab File: VN076720.D
Acq: 16 Feb 2023 18:40

Instrument :
MSVOA_N
ClientSampleId :

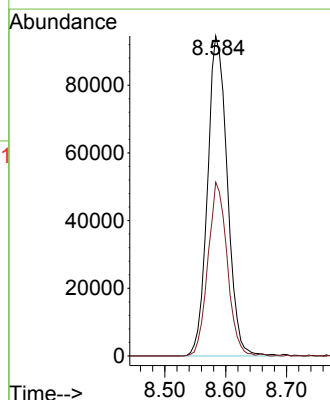
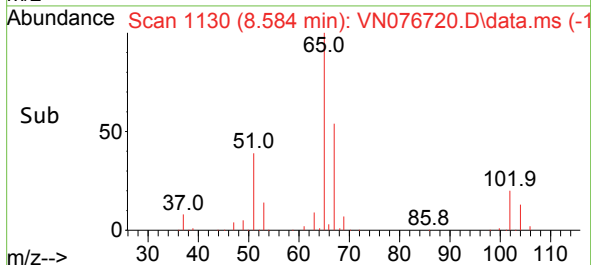
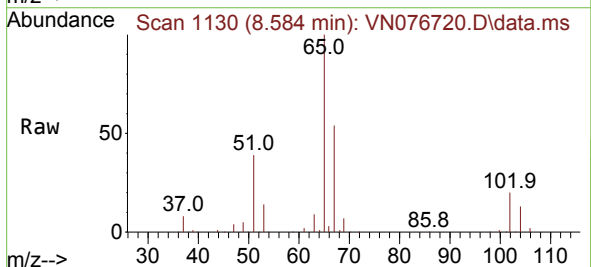


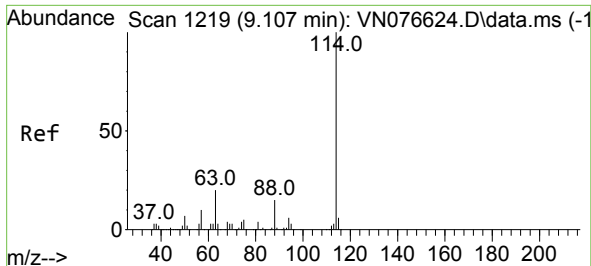
Tgt Ion: 56 Resp: 8415
Ion Ratio Lower Upper
56 100
69 110.9 21.6 32.4#
84 101.1 65.1 97.7#



#33
1,2-Dichloroethane-d4
Concen: 52.348 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076720.D
Acq: 16 Feb 2023 18:40

Tgt Ion: 65 Resp: 213608
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN076720.D

Acq: 16 Feb 2023 18:40

Instrument :

MSVOA_N

ClientSampleId :

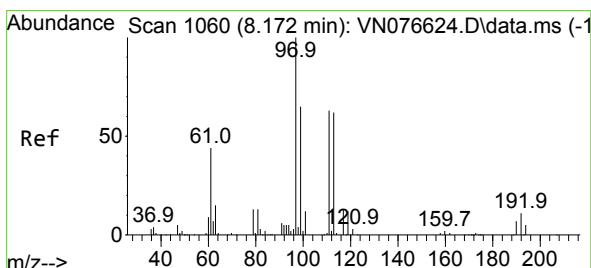
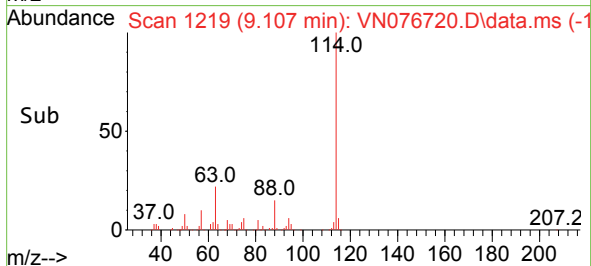
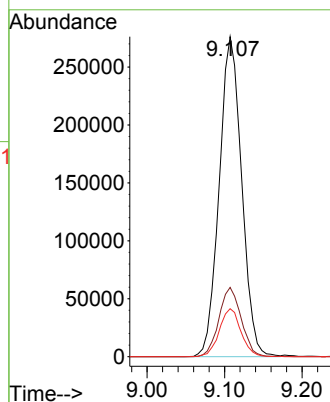
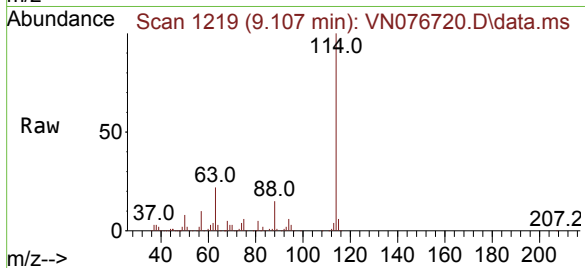
Tgt Ion:114 Resp: 557442

Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.0

88 15.0 0.0 29.6



#35

Dibromofluoromethane

Concen: 44.895 ug/l

RT: 8.178 min Scan# 1061

Delta R.T. 0.006 min

Lab File: VN076720.D

Acq: 16 Feb 2023 18:40

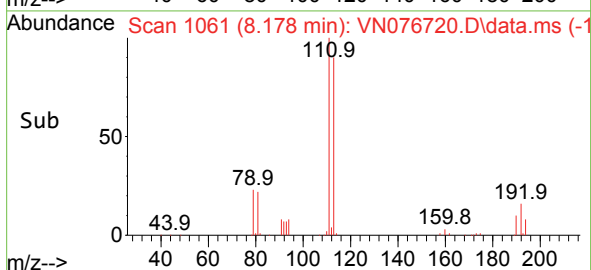
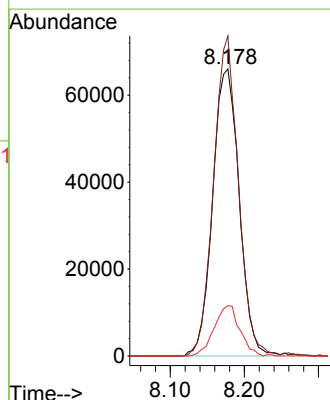
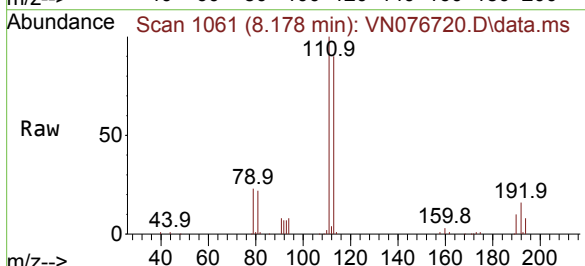
Tgt Ion:113 Resp: 163894

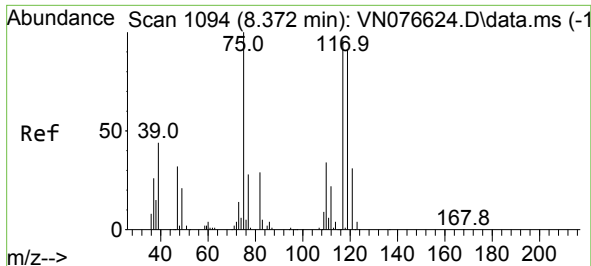
Ion Ratio Lower Upper

113 100

111 104.4 83.1 124.7

192 17.0 15.6 23.4

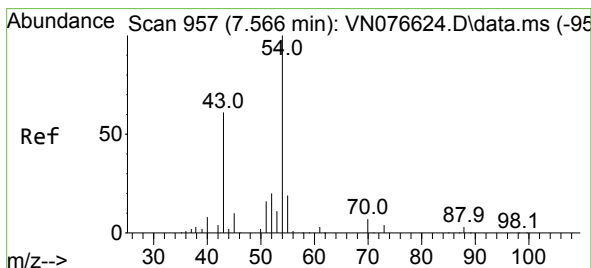
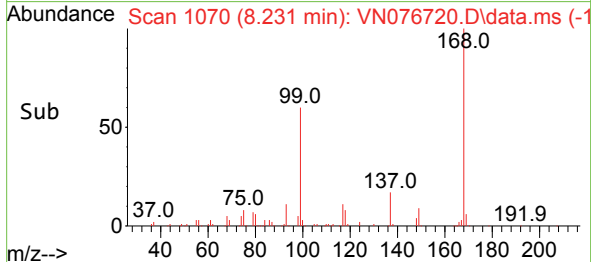
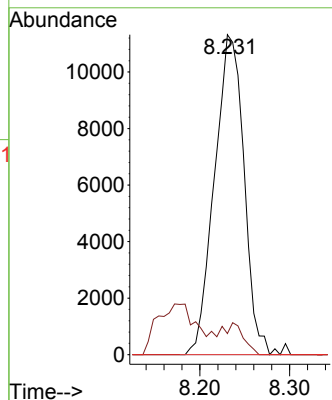
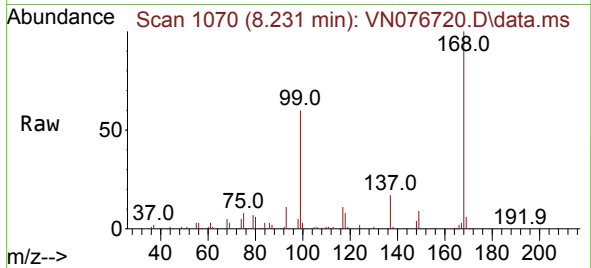




#36
1,1-Dichloropropene
Concen: 4.895 ug/l
RT: 8.231 min Scan# 1094
Delta R.T. -0.141 min
Lab File: VN076720.D
Acq: 16 Feb 2023 18:40

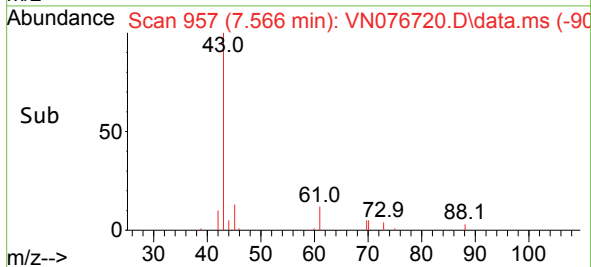
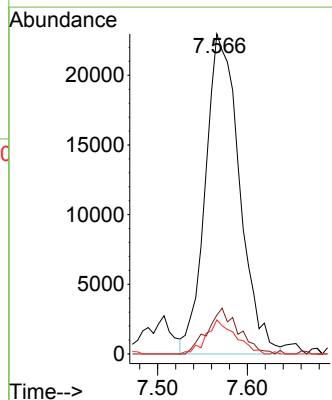
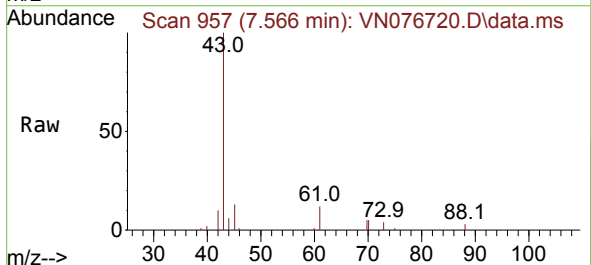
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MSVOA_N
ClientSampleId :

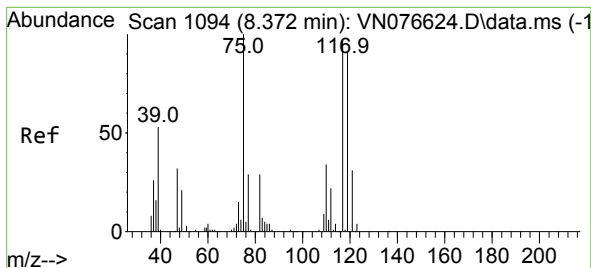
Tgt Ion: 75 Resp: 25819
Ion Ratio Lower Upper
75 100
110 6.9 17.5 52.5#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 10.920 ug/l
RT: 7.566 min Scan# 957
Delta R.T. -0.000 min
Lab File: VN076720.D
Acq: 16 Feb 2023 18:40

Tgt Ion: 43 Resp: 60600
Ion Ratio Lower Upper
43 100
61 13.0 9.9 14.9
70 9.0 7.8 11.6





#38

Carbon Tetrachloride

Concen: 5.807 ug/l

RT: 8.231 min Scan# 1107

Delta R.T. -0.141 min

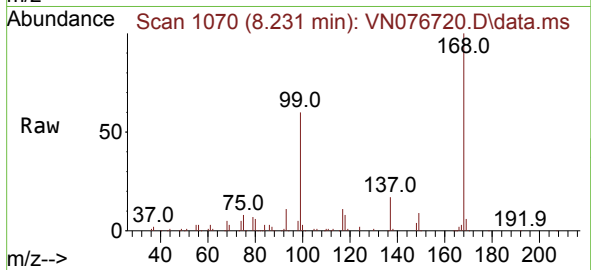
Lab File: VN076720.D

Acq: 16 Feb 2023 18:40

Instrument :

MSVOA_N

ClientSampleId :



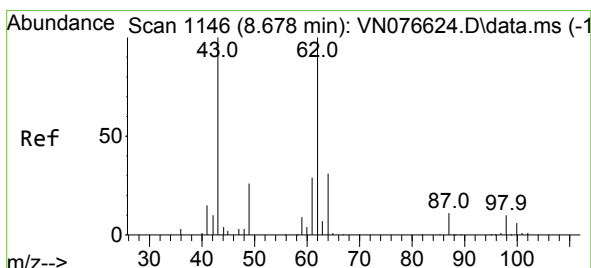
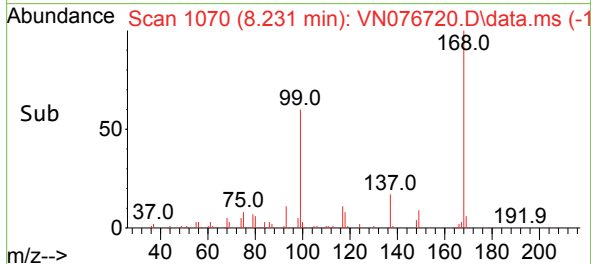
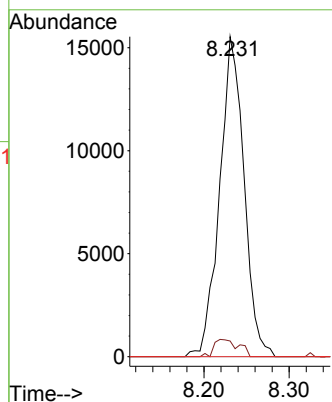
Tgt Ion:117 Resp: 30898

Ion Ratio Lower Upper

117 100

119 4.9 75.4 113.0#

121 0.0 26.0 39.0#



#42

1,2-Dichloroethane

Concen: 0.450 ug/l

RT: 8.707 min Scan# 1151

Delta R.T. 0.029 min

Lab File: VN076720.D

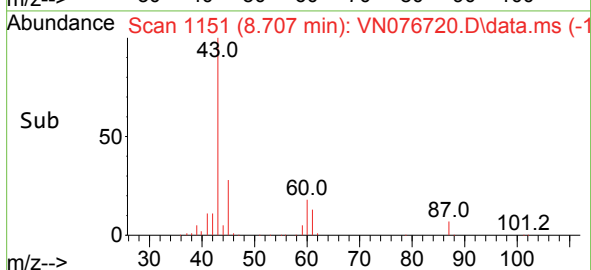
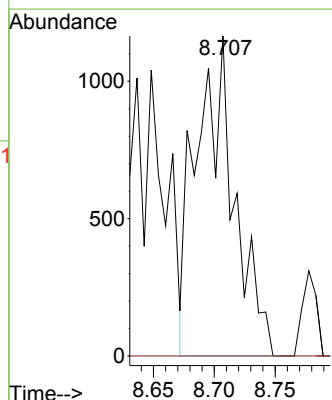
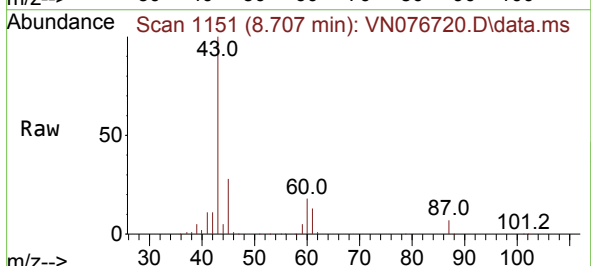
Acq: 16 Feb 2023 18:40

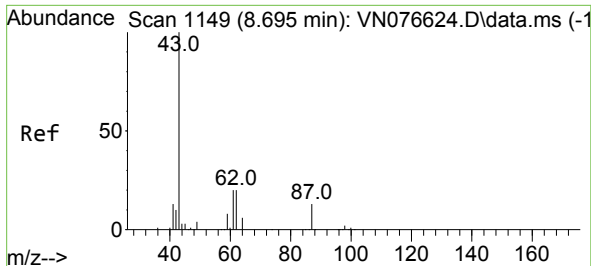
Tgt Ion: 62 Resp: 2541

Ion Ratio Lower Upper

62 100

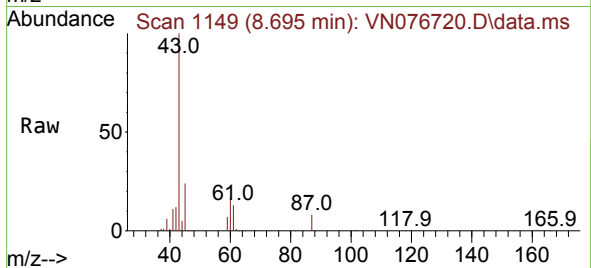
98 0.0 0.0 19.2



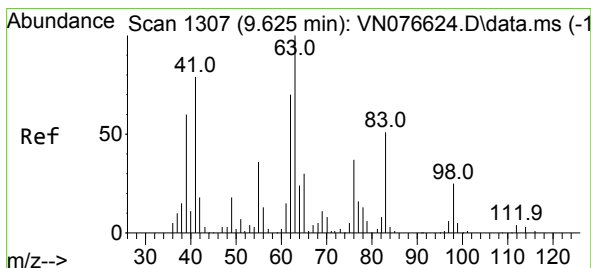
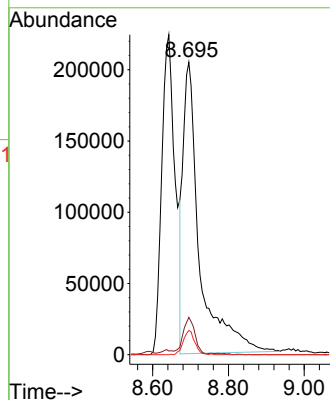
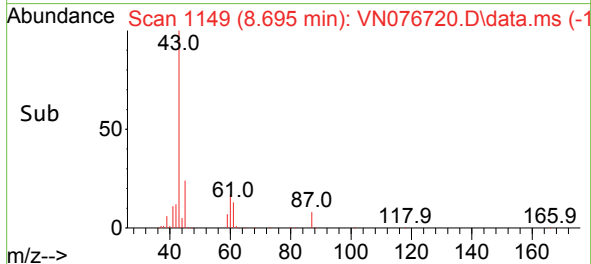


#43
Isopropyl Acetate
Concen: 69.034 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN076720.D
Acq: 16 Feb 2023 18:40

Instrument :
MSVOA_N
ClientSampleId :

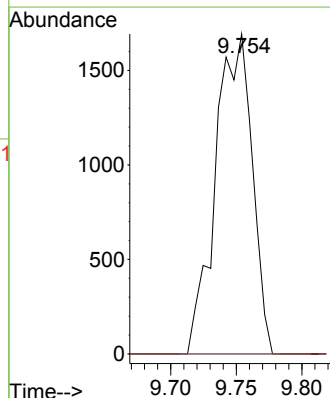
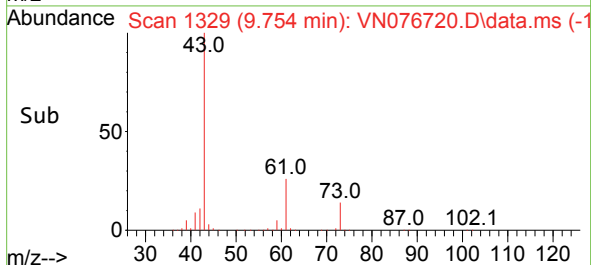
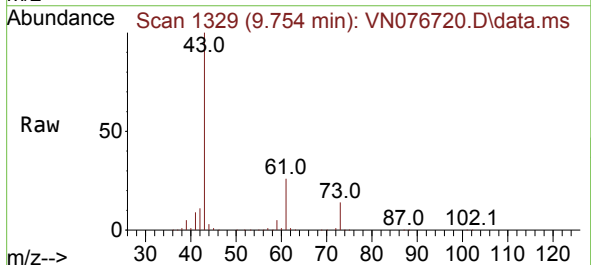


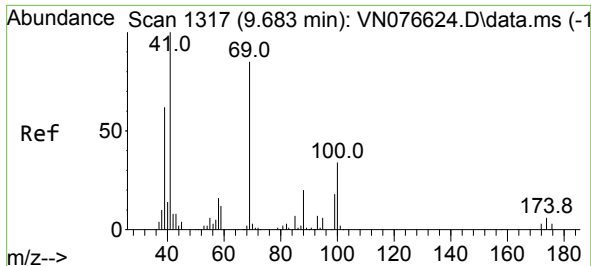
Tgt Ion: 43 Resp: 623391
Ion Ratio Lower Upper
43 100
61 9.2 20.0 30.0#
87 5.7 9.9 14.9#



#45
1,2-Dichloropropane
Concen: 0.768 ug/l
RT: 9.754 min Scan# 1329
Delta R.T. 0.129 min
Lab File: VN076720.D
Acq: 16 Feb 2023 18:40

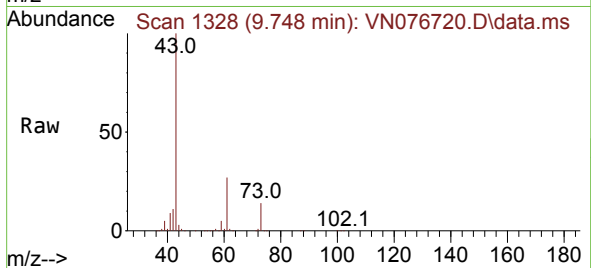
Tgt Ion: 63 Resp: 3291
Ion Ratio Lower Upper
63 100
65 0.0 24.2 36.2#



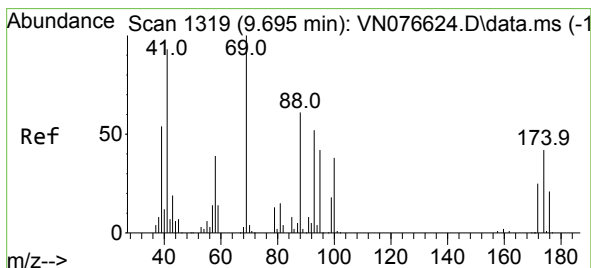
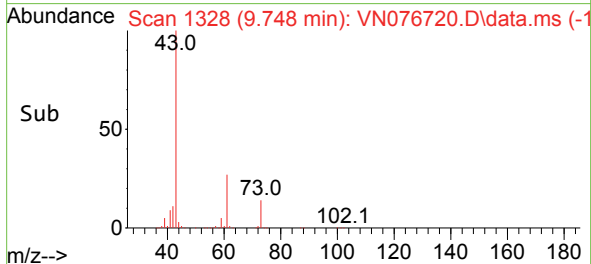
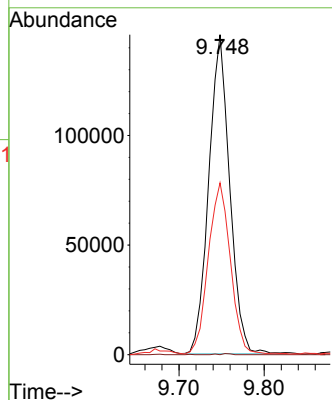


#48
Methyl methacrylate
Concen: 57.821 ug/l
RT: 9.748 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN076720.D
Acq: 16 Feb 2023 18:40

Instrument :
MSVOA_N
ClientSampleId :

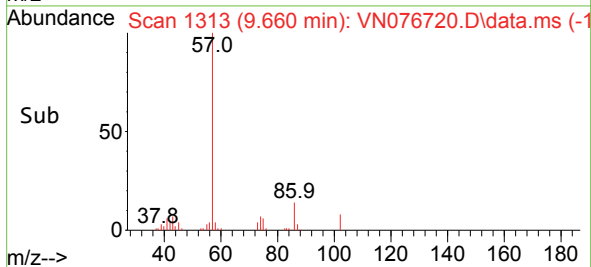
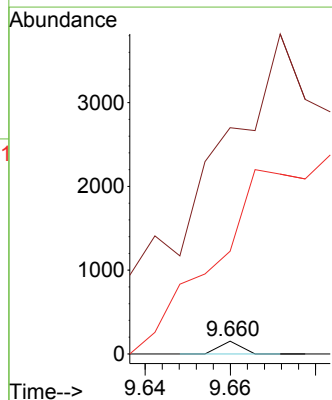
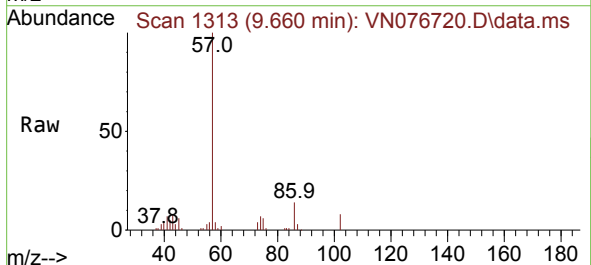


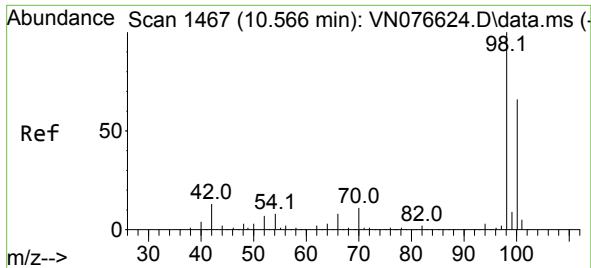
Tgt Ion: 41 Resp: 247767
Ion Ratio Lower Upper
41 100
69 0.2 65.4 98.0#
39 56.5 49.3 73.9



#49
1,4-Dioxane
Concen: 0.729 ug/l
RT: 9.660 min Scan# 1313
Delta R.T. -0.035 min
Lab File: VN076720.D
Acq: 16 Feb 2023 18:40

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 22.6 33.8#
58 0.0 57.6 86.4#

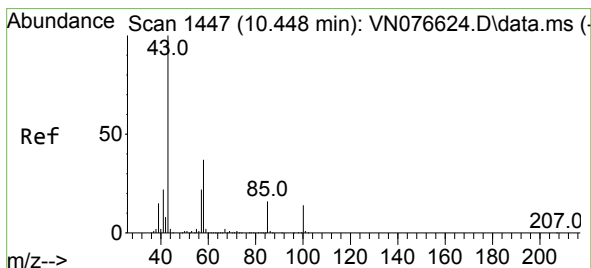
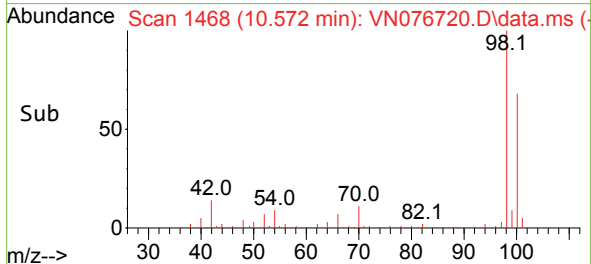
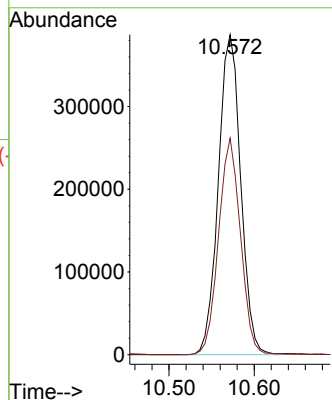
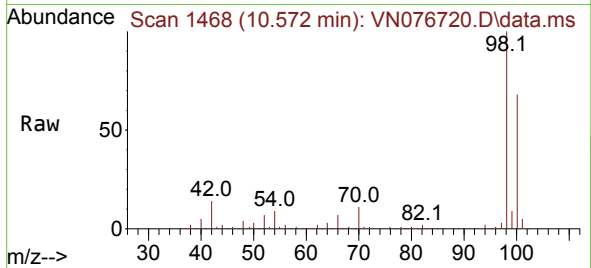




#50
Toluene-d8
Concen: 51.768 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076720.D
Acq: 16 Feb 2023 18:40

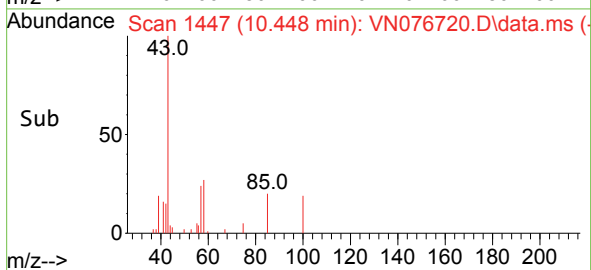
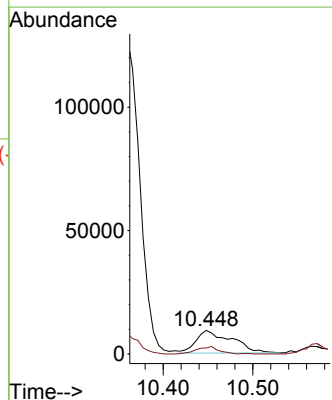
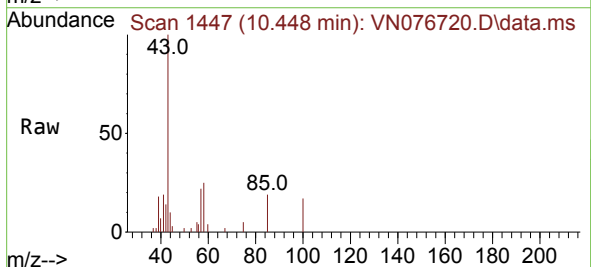
Instrument :
MSVOA_N
ClientSampleId :

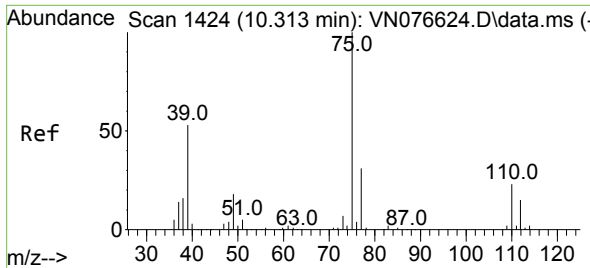
Tgt Ion: 98 Resp: 705766
Ion Ratio Lower Upper
98 100
100 66.3 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 4.390 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN076720.D
Acq: 16 Feb 2023 18:40

Tgt Ion: 43 Resp: 25221
Ion Ratio Lower Upper
43 100
58 20.2 29.5 44.3#

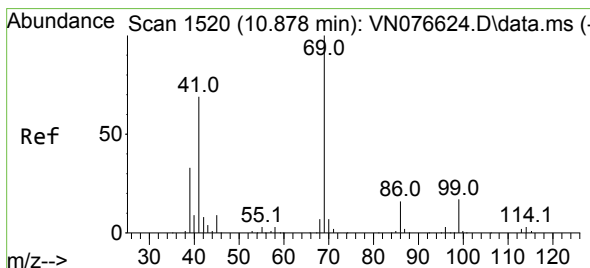
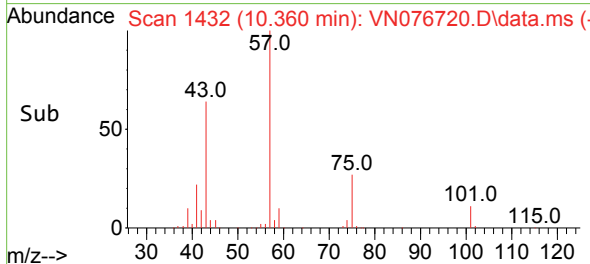
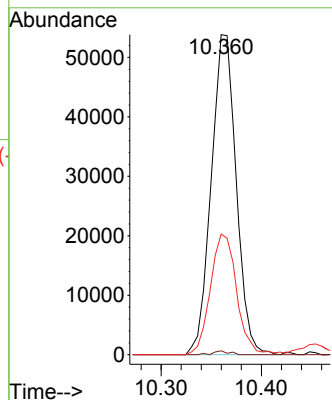
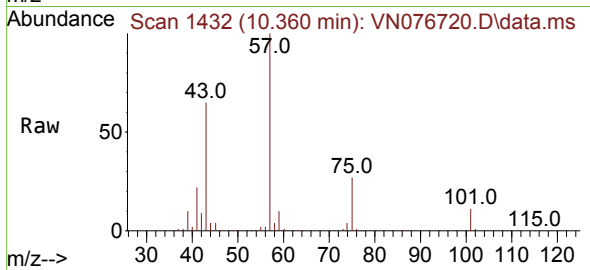




#54
 cis-1,3-Dichloropropene
 Concen: 15.215 ug/l
 RT: 10.360 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN076720.D
 Acq: 16 Feb 2023 18:40

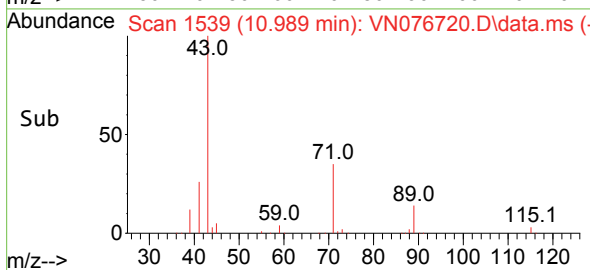
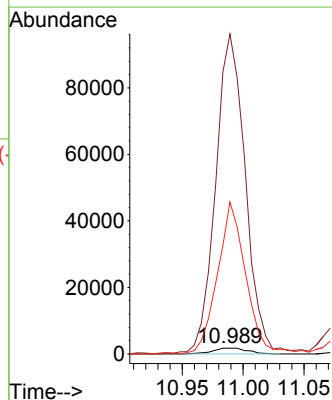
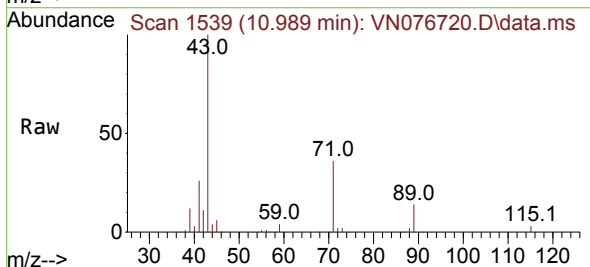
Instrument :
 MSVOA_N
 ClientSampleId :

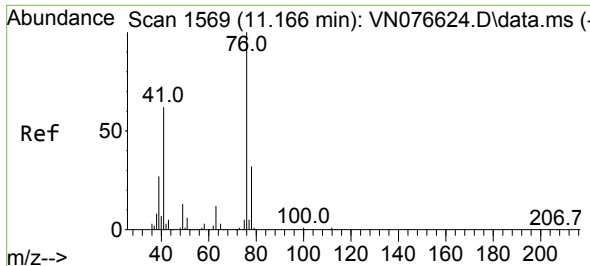
Tgt Ion: 75 Resp: 93095
 Ion Ratio Lower Upper
 75 100
 77 1.2 25.1 37.7#
 39 37.7 42.3 63.5#



#56
 Ethyl methacrylate
 Concen: 0.622 ug/l
 RT: 10.989 min Scan# 1539
 Delta R.T. 0.111 min
 Lab File: VN076720.D
 Acq: 16 Feb 2023 18:40

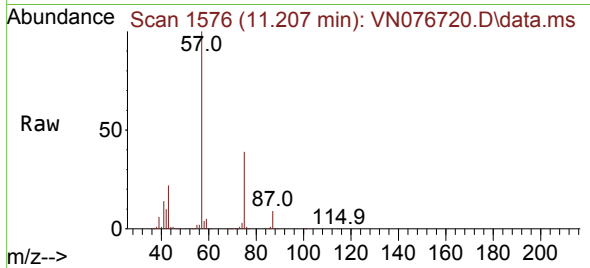
Tgt Ion: 69 Resp: 3483
 Ion Ratio Lower Upper
 69 100
 41 4710.6 55.1 82.7#
 39 2114.2 30.7 46.1#



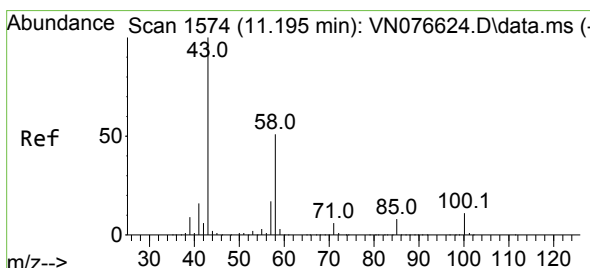
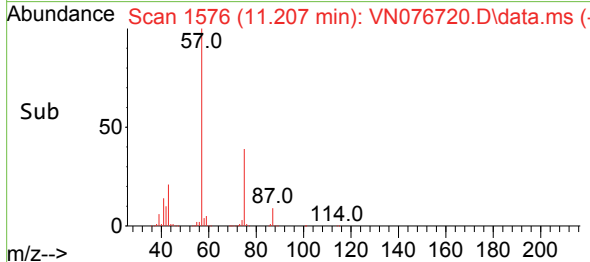
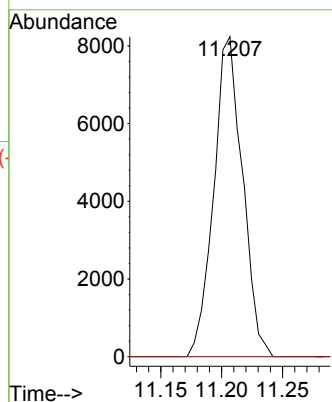


#57
1,3-Dichloropropane
Concen: 1.982 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.041 min
Lab File: VN076720.D
Acq: 16 Feb 2023 18:40

Instrument :
MSVOA_N
ClientSampleId :

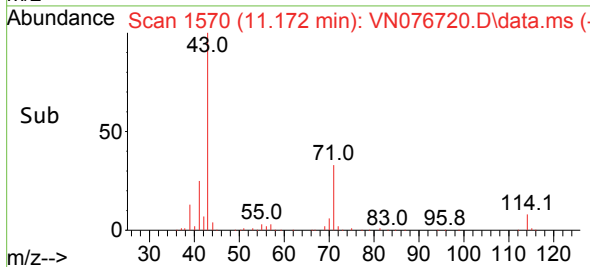
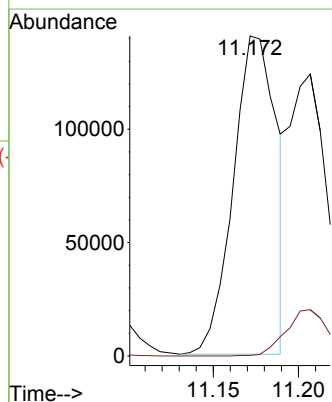
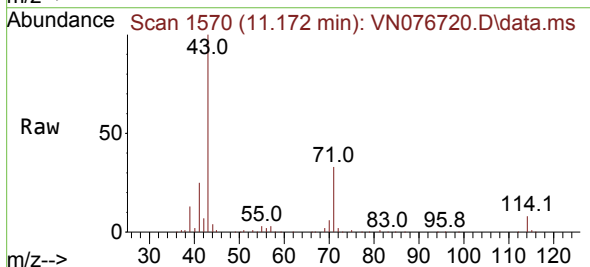


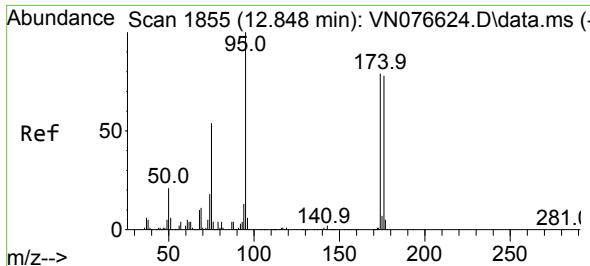
Tgt Ion: 76 Resp: 13542
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 59.843 ug/l
RT: 11.172 min Scan# 1570
Delta R.T. -0.023 min
Lab File: VN076720.D
Acq: 16 Feb 2023 18:40

Tgt Ion: 43 Resp: 247909
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.0#

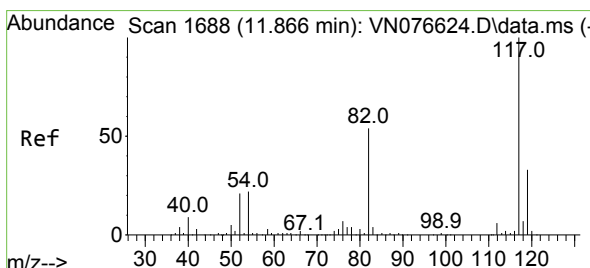
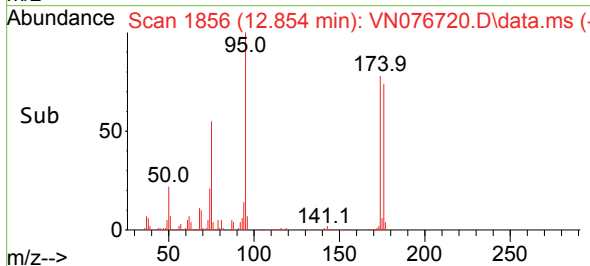
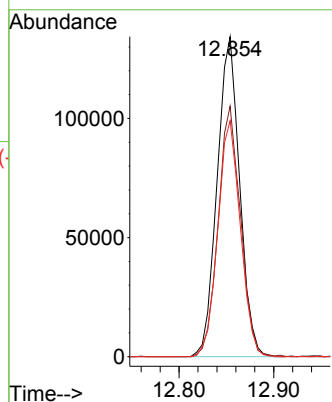
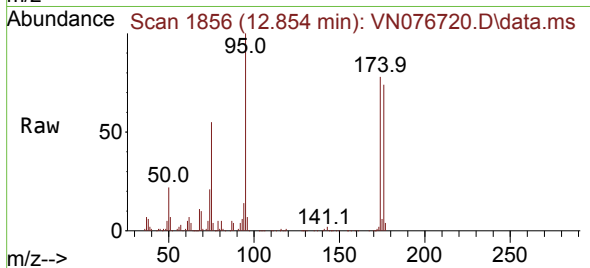




#62
4-Bromofluorobenzene
Concen: 49.112 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076720.D
Acq: 16 Feb 2023 18:40

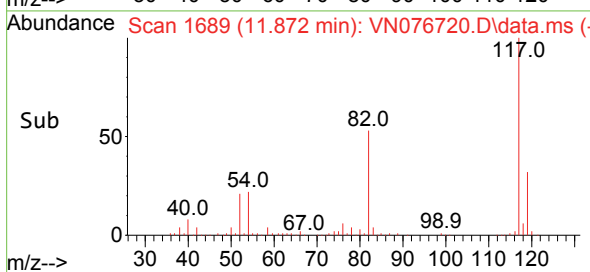
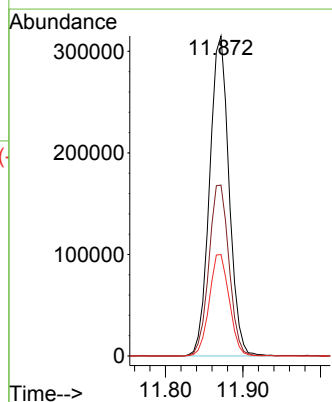
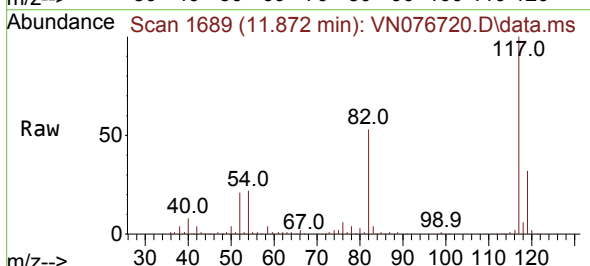
Instrument :
MSVOA_N
ClientSampleId :

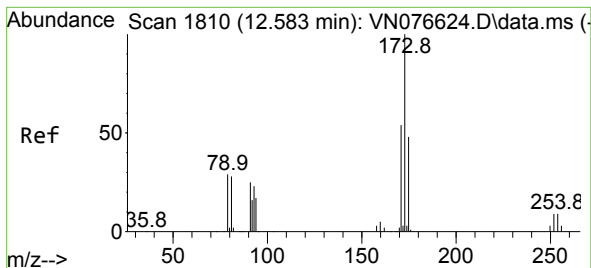
Tgt Ion: 95 Resp: 221758
Ion Ratio Lower Upper
95 100
174 77.9 0.0 169.2
176 73.7 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN076720.D
Acq: 16 Feb 2023 18:40

Tgt Ion: 117 Resp: 549387
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.2
119 31.7 26.1 39.1





#71

Bromoform

Concen: 0.524 ug/l

RT: 12.854 min Scan# 1810

Delta R.T. 0.271 min

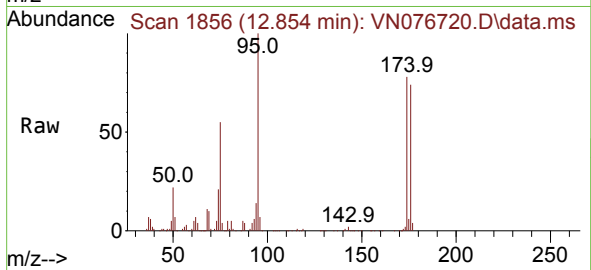
Lab File: VN076720.D

Acq: 16 Feb 2023 18:40

Instrument :

MSVOA_N

ClientSampleId :



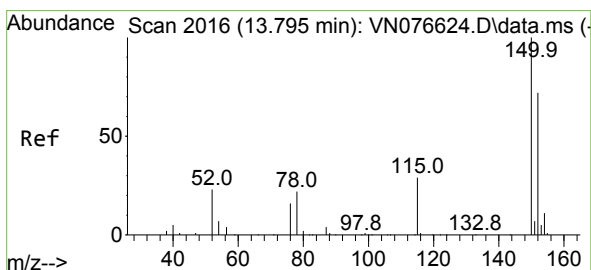
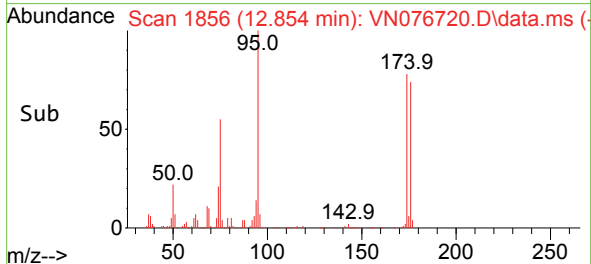
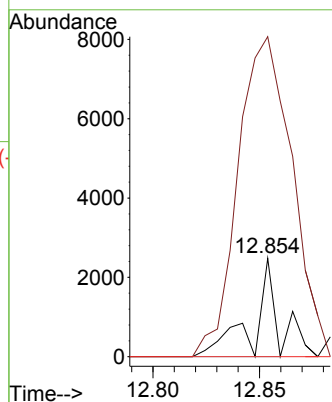
Tgt Ion:173 Resp: 1625

Ion Ratio Lower Upper

173 100

175 695.1 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: VN076720.D

Acq: 16 Feb 2023 18:40

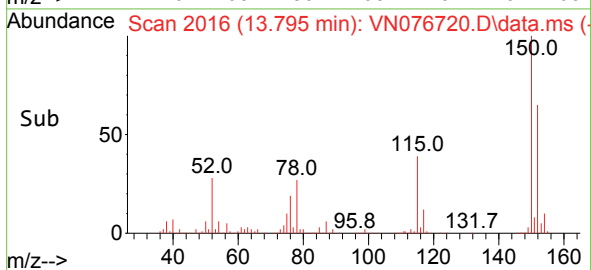
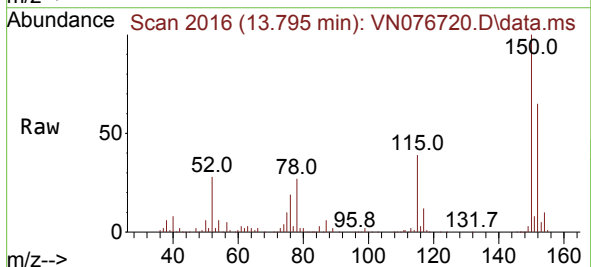
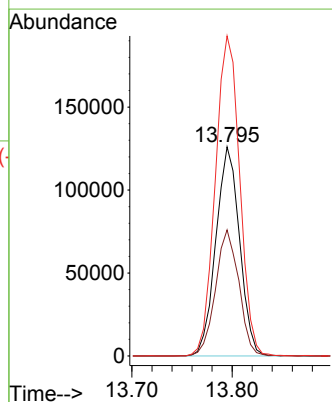
Tgt Ion:152 Resp: 206847

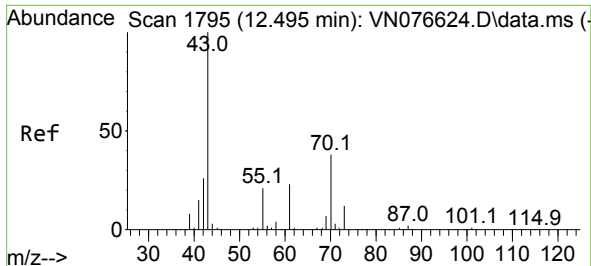
Ion Ratio Lower Upper

152 100

115 59.5 29.3 87.9

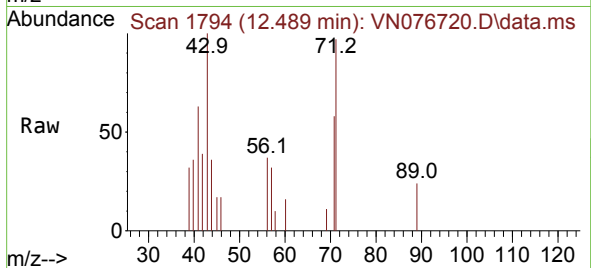
150 157.4 0.0 349.8



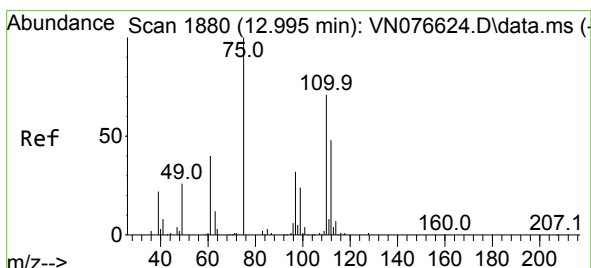
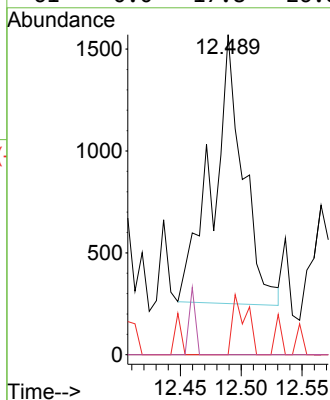
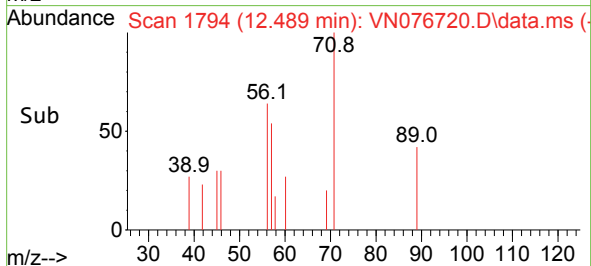


#74
N-amy1 acetate
Concen: 0.340 ug/l
RT: 12.489 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VN076720.D
Acq: 16 Feb 2023 18:40

Instrument :
MSVOA_N
ClientSampleId :

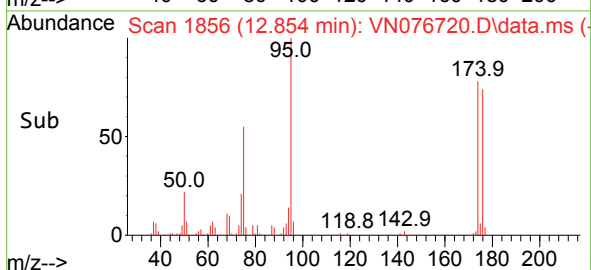
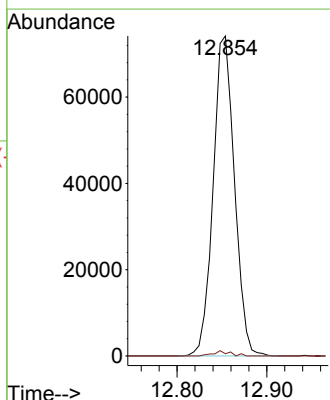
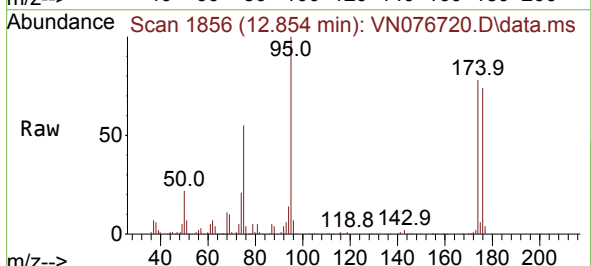


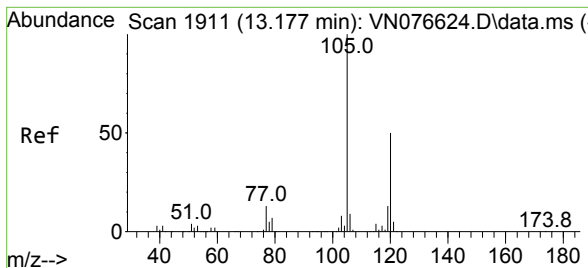
Tgt Ion: 43	Resp: 2326
Ion Ratio	Lower Upper
43	100
70	0.0 30.5 45.7#
55	10.3 17.8 26.8#
61	0.0 17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 29.277 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076720.D
Acq: 16 Feb 2023 18:40

Tgt Ion: 75	Resp: 122433
Ion Ratio	Lower Upper
75	100
77	1.3 93.1 279.3#





#80

1,3,5-Trimethylbenzene

Concen: 0.207 ug/l

RT: 13.171 min Scan# 1911

Delta R.T. -0.006 min

Lab File: VN076720.D

Acq: 16 Feb 2023 18:40

Instrument :

MSVOA_N

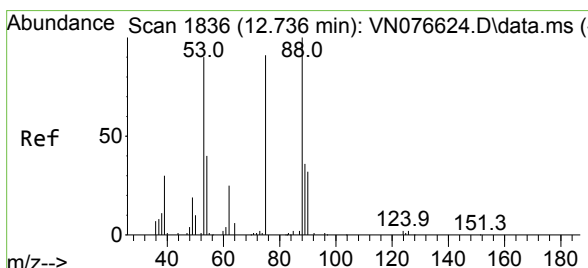
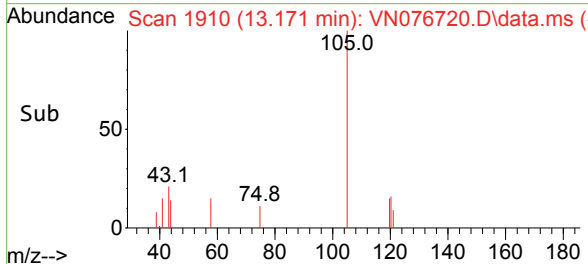
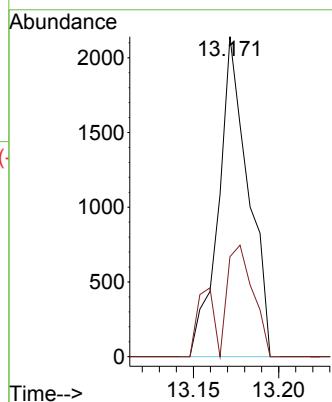
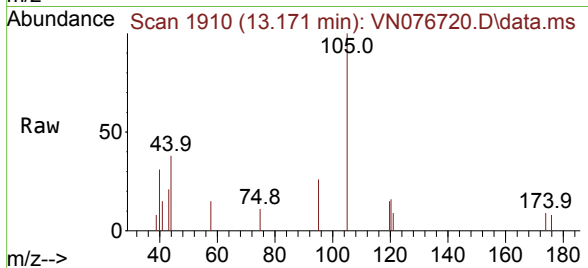
ClientSampleId :

Tgt Ion:105 Resp: 2597

Ion Ratio Lower Upper

105 100

120 30.0 25.1 75.4



#81

trans-1,4-Dichloro-2-butene

Concen: 85.272 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.118 min

Lab File: VN076720.D

Acq: 16 Feb 2023 18:40

Tgt Ion: 75 Resp: 122433

Ion Ratio Lower Upper

75 100

53 0.0 92.1 138.1#

89 0.0 37.5 56.3#

