

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021623\
 Data File : VN076715.D
 Acq On : 16 Feb 2023 16:39
 Operator : JC\MD
 Sample : 01538-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 17 00:14:30 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

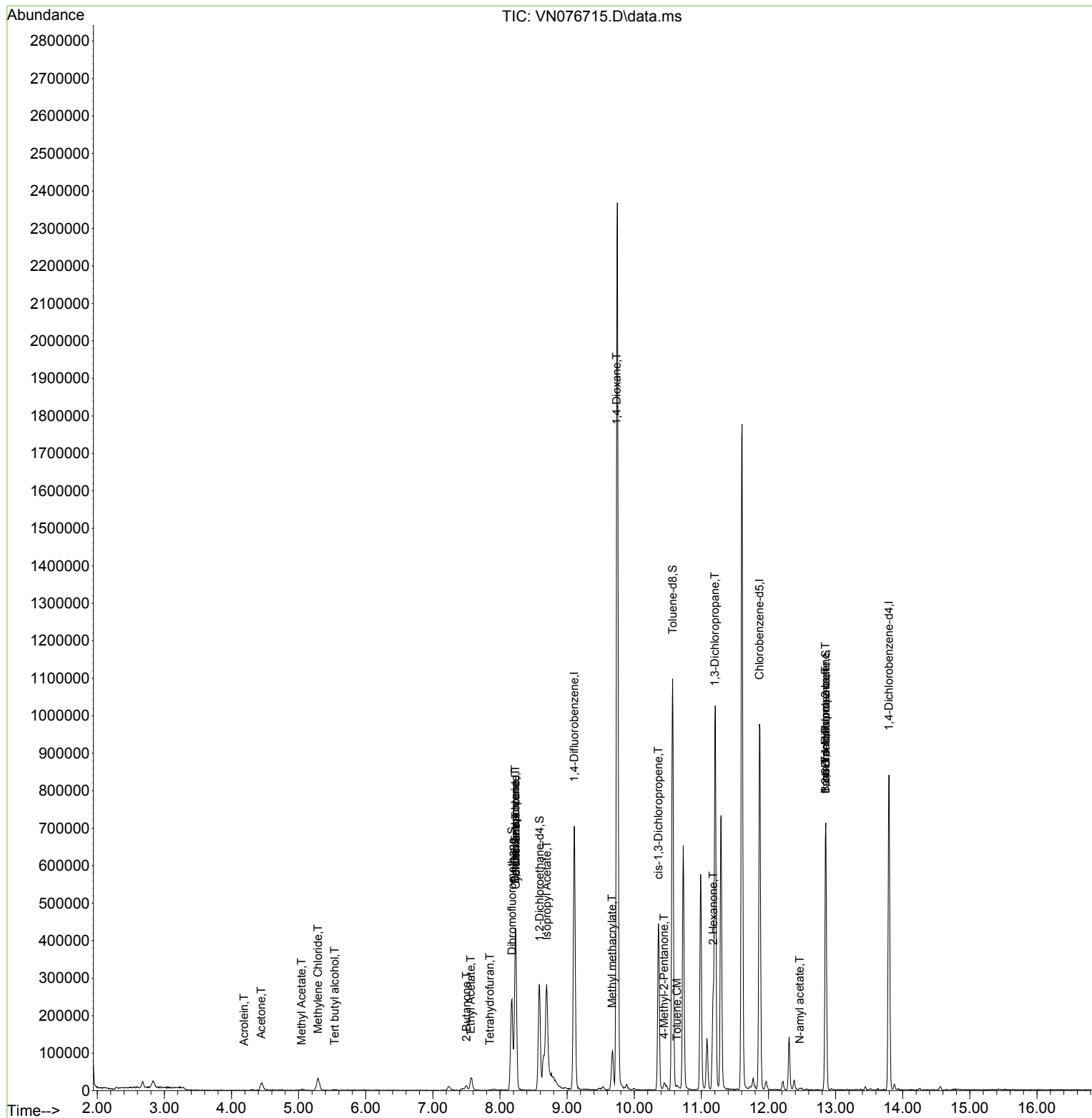
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	304836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	575729	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	548357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	214620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	218951	52.016	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.040%			
35) Dibromofluoromethane	8.177	113	171764	45.557	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.120%			
50) Toluene-d8	10.571	98	738223	52.429	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.860%			
62) 4-Bromofluorobenzene	12.854	95	225280	48.307	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.620%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.536	59	2727	4.908	ug/l #	71
13) Acrolein	4.190	56	235	0.282	ug/l #	79
16) Acetone	4.442	43	37160	19.763	ug/l	89
18) Methyl Acetate	5.042	43	2673	0.436	ug/l	100
20) Methylene Chloride	5.289	84	24199	6.141	ug/l	87
25) 2-Butanone	7.501	43	19864	7.162	ug/l	94
29) Tetrahydrofuran	7.848	42	640	0.353	ug/l #	37
31) Cyclohexane	8.236	56	8521	1.290	ug/l #	11
36) 1,1-Dichloropropene	8.230	75	27097	4.974	ug/l #	50
37) Ethyl Acetate	7.566	43	53066	9.259	ug/l	97
38) Carbon Tetrachloride	8.230	117	31599	5.750	ug/l #	19
43) Isopropyl Acetate	8.695	43	436720	46.826	ug/l #	75
48) Methyl methacrylate	9.672	41	7830	1.769	ug/l #	46
49) 1,4-Dioxane	9.736	88	186	2.430	ug/l #	1
51) 4-Methyl-2-Pentanone	10.442	43	12854	2.166	ug/l	100
52) Toluene	10.636	92	3087	0.306	ug/l #	74
54) cis-1,3-Dichloropropene	10.360	75	76244	12.065	ug/l #	67
57) 1,3-Dichloropropane	11.201	76	11171	1.583	ug/l #	44
59) 2-Hexanone	11.177	43	201698	47.141	ug/l #	27
71) Bromoform	12.848	173	1627	0.525	ug/l #	1
74) N-amyl acetate	12.465	43	3165	0.446	ug/l #	56
76) 1,2,3-Trichloropropane	12.848	75	124568	28.709	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	124568	83.616	ug/l #	4

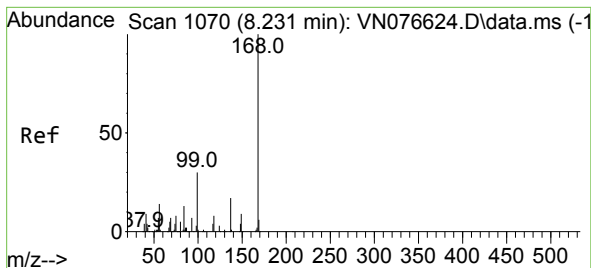
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN076715.D

Acq: 16 Feb 2023 16:39

Instrument :

MSVOA_N

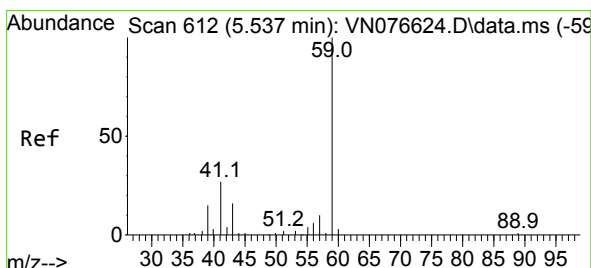
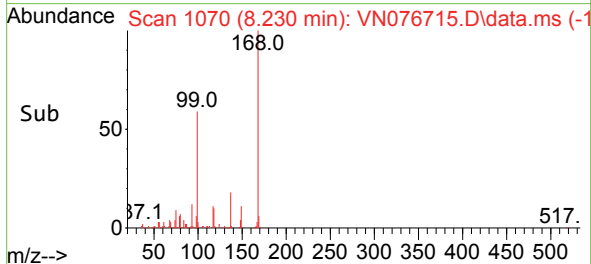
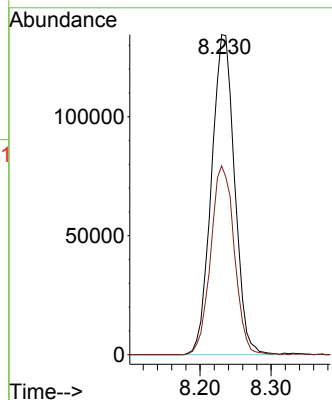
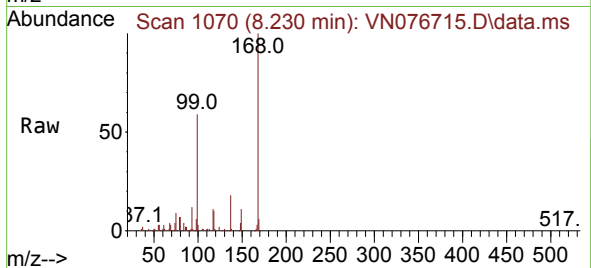
ClientSampleId :

Tgt Ion:168 Resp: 304836

Ion Ratio Lower Upper

168 100

99 59.0 44.8 67.2



#11

Tert butyl alcohol

Concen: 4.908 ug/l

RT: 5.536 min Scan# 612

Delta R.T. -0.001 min

Lab File: VN076715.D

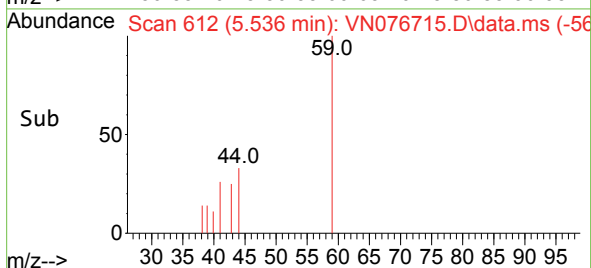
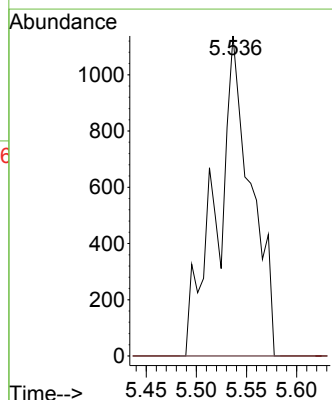
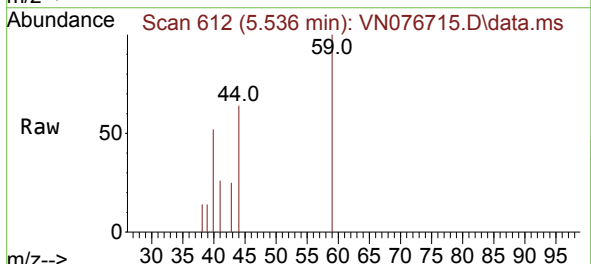
Acq: 16 Feb 2023 16:39

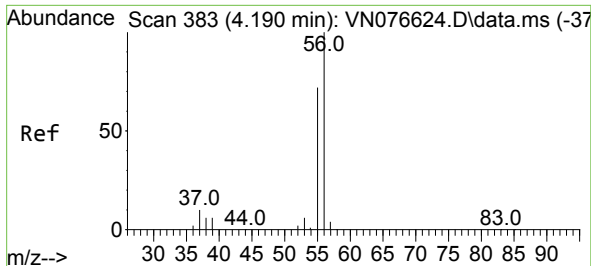
Tgt Ion: 59 Resp: 2727

Ion Ratio Lower Upper

59 100

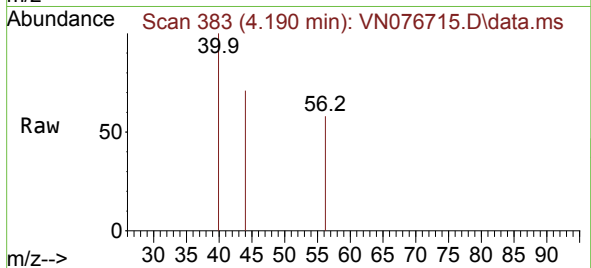
57 0.0 8.7 13.1#



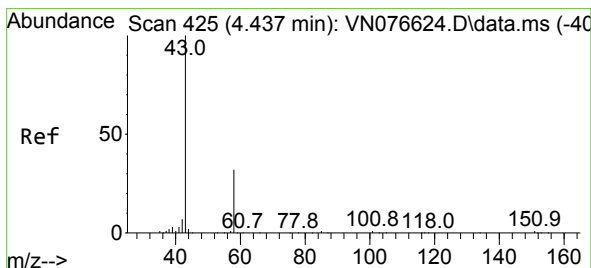
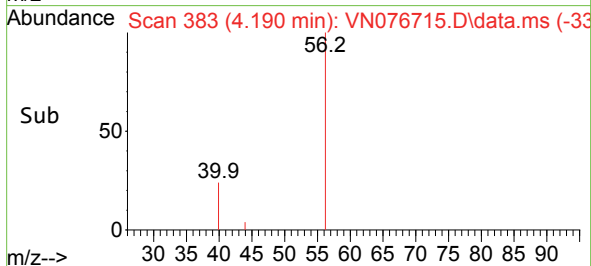
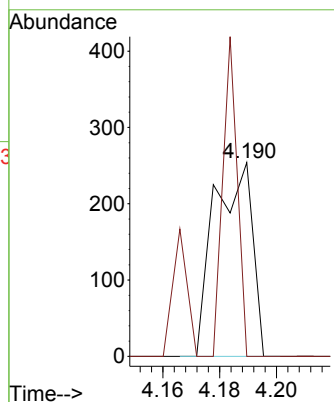


#13
Acrolein
Concen: 0.282 ug/l
RT: 4.190 min Scan# 383
Delta R.T. -0.000 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

Instrument :
MSVOA_N
ClientSampleId :

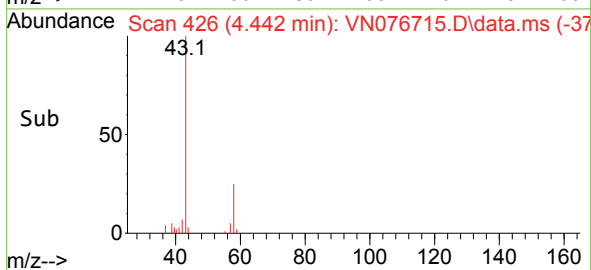
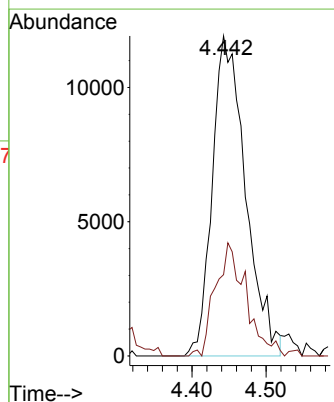
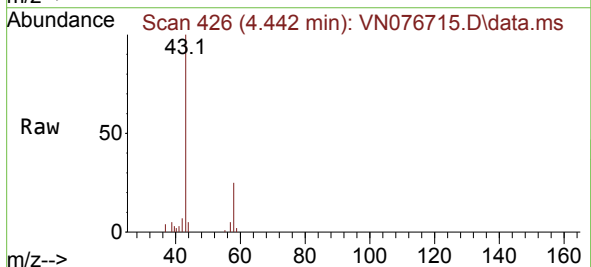


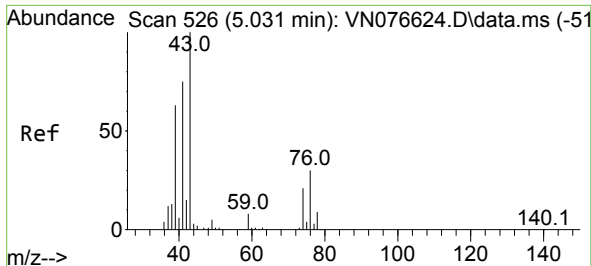
Tgt Ion: 56 Resp: 235
Ion Ratio Lower Upper
56 100
55 88.1 56.3 84.5#



#16
Acetone
Concen: 19.763 ug/l
RT: 4.442 min Scan# 426
Delta R.T. 0.005 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

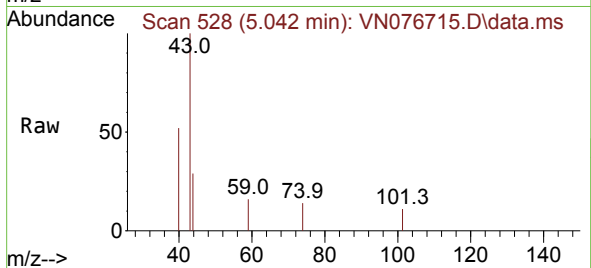
Tgt Ion: 43 Resp: 37160
Ion Ratio Lower Upper
43 100
58 26.2 25.9 38.9



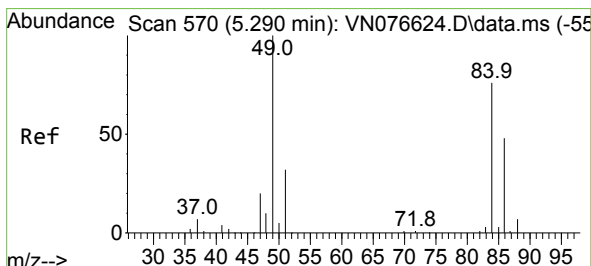
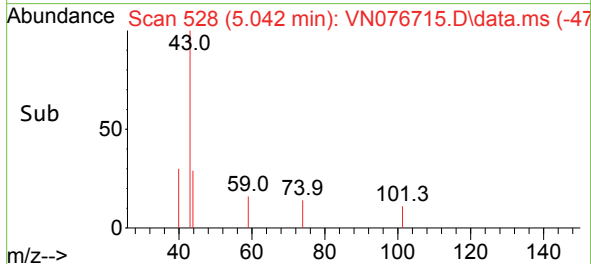
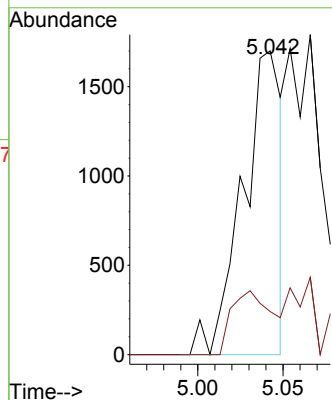


#18
Methyl Acetate
Concen: 0.436 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

Instrument :
MSVOA_N
ClientSampleId :

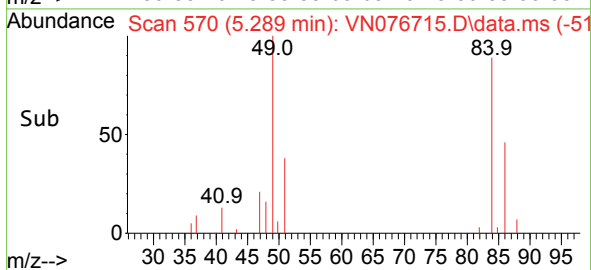
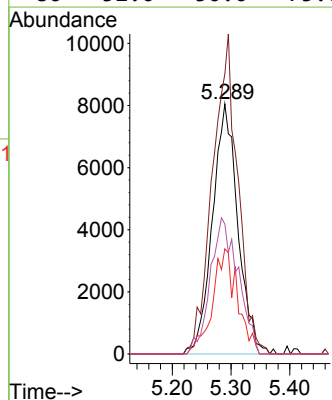
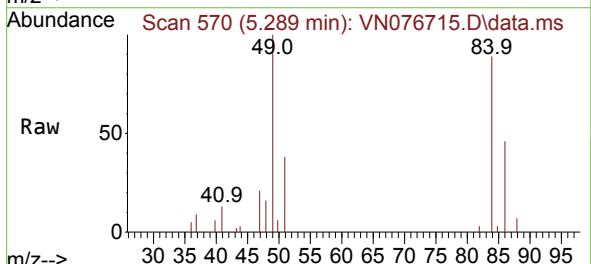


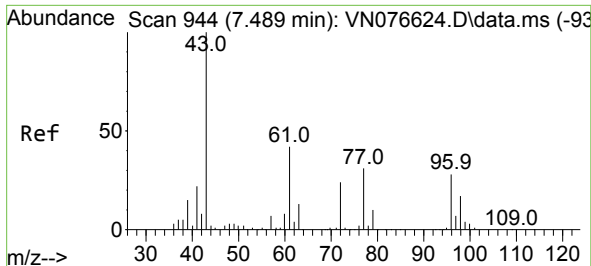
Tgt Ion: 43 Resp: 2673
Ion Ratio Lower Upper
43 100
74 22.0 17.7 26.5



#20
Methylene Chloride
Concen: 6.141 ug/l
RT: 5.289 min Scan# 570
Delta R.T. -0.001 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

Tgt Ion: 84 Resp: 24199
Ion Ratio Lower Upper
84 100
49 111.9 104.9 157.3
51 42.0 33.8 50.8
86 52.0 50.0 75.0

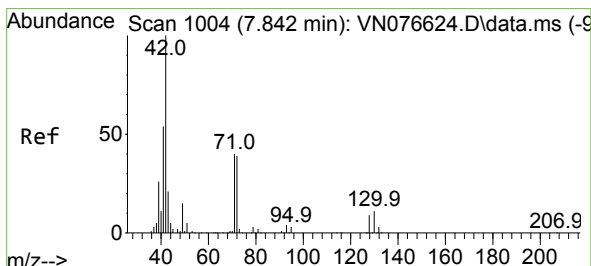
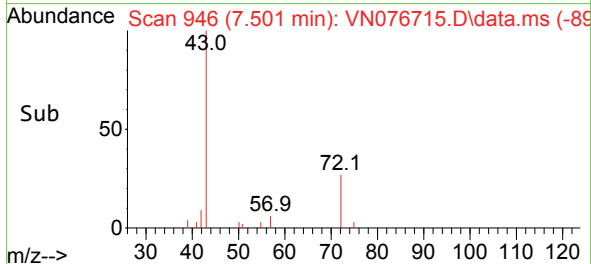
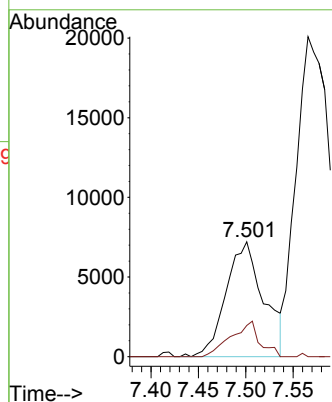
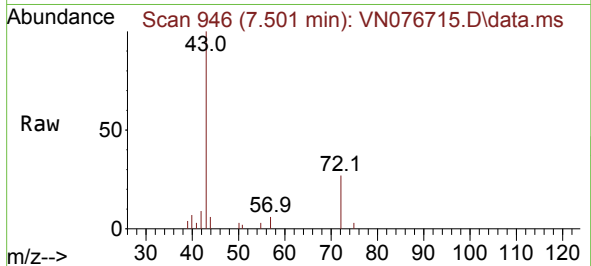




#25
2-Butanone
Concen: 7.162 ug/l
RT: 7.501 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

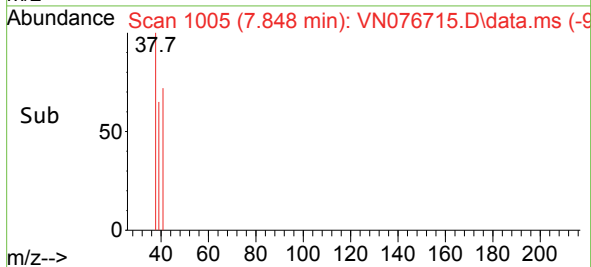
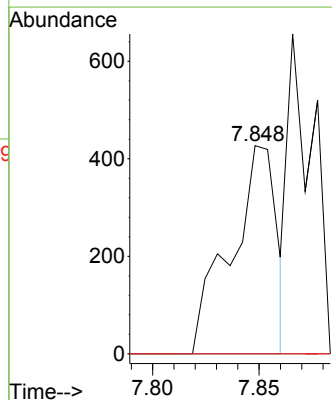
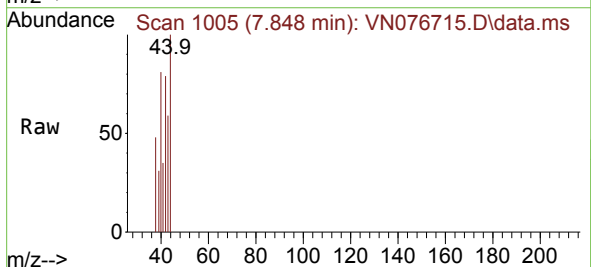
Instrument :
MSVOA_N
ClientSampleId :

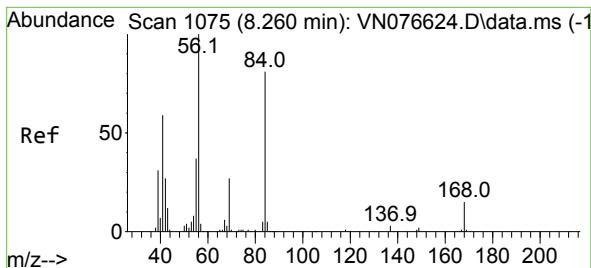
Tgt Ion: 43 Resp: 19864
Ion Ratio Lower Upper
43 100
72 27.1 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.353 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

Tgt Ion: 42 Resp: 640
Ion Ratio Lower Upper
42 100
72 0.0 31.5 47.3#
71 0.0 29.8 44.8#





#31

Cyclohexane

Concen: 1.290 ug/l

RT: 8.236 min Scan# 1075

Delta R.T. -0.024 min

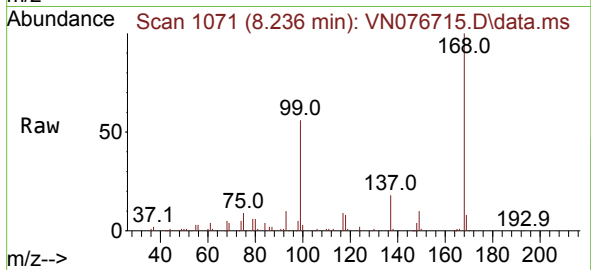
Lab File: VN076715.D

Acq: 16 Feb 2023 16:39

Instrument :

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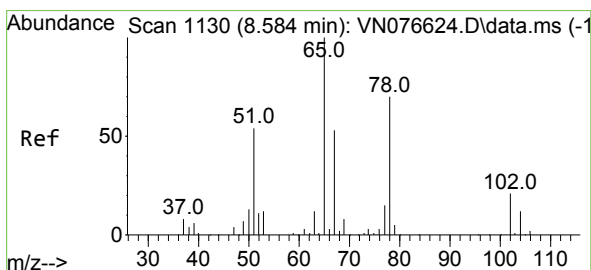
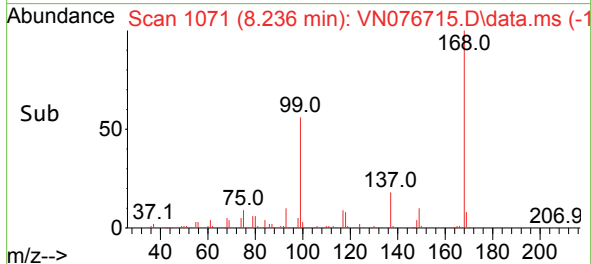
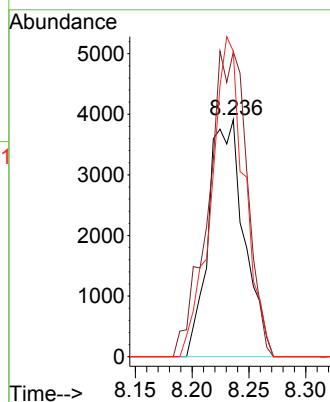
Tgt Ion: 56 Resp: 8521

Ion Ratio Lower Upper

56 100

69 128.8 21.6 32.4#

84 128.8 65.1 97.7#



#33

1,2-Dichloroethane-d4

Concen: 52.016 ug/l

RT: 8.589 min Scan# 1131

Delta R.T. 0.005 min

Lab File: VN076715.D

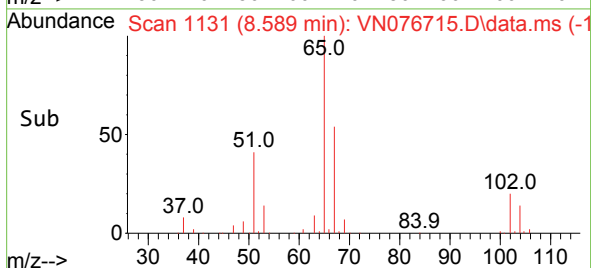
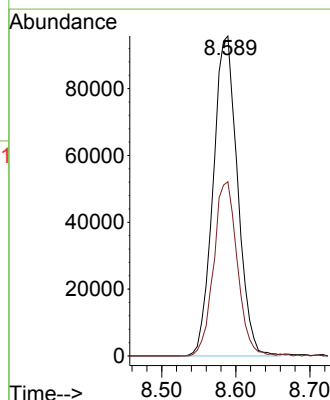
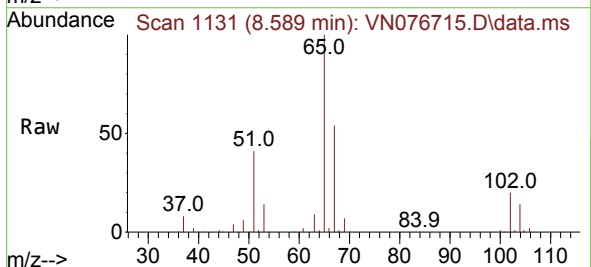
Acq: 16 Feb 2023 16:39

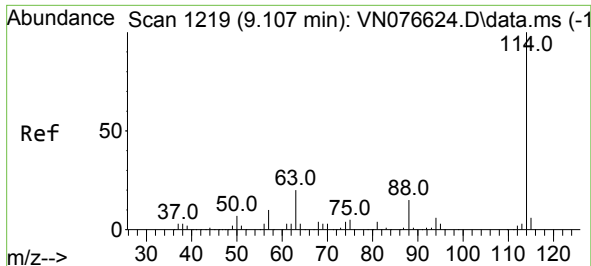
Tgt Ion: 65 Resp: 218951

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN076715.D

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ClientSampleId :

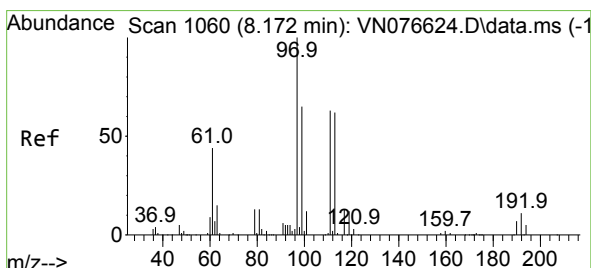
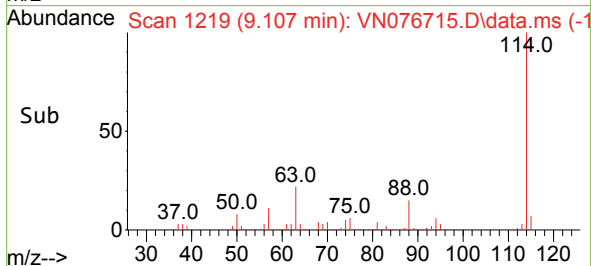
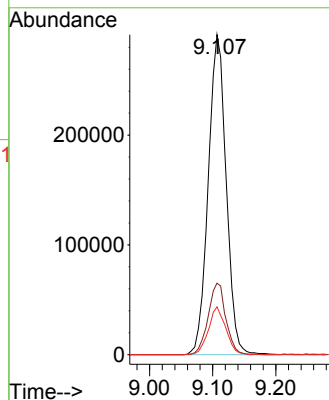
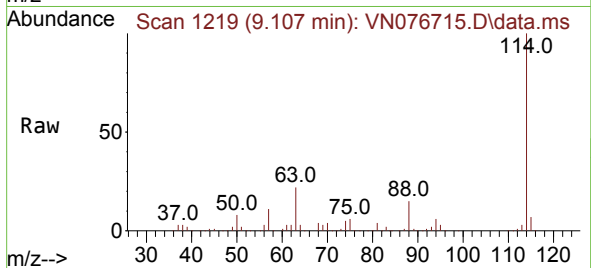
Tgt Ion:114 Resp: 575729

Ion Ratio Lower Upper

114 100

63 22.4 0.0 40.0

88 15.0 0.0 29.6



#35

Dibromofluoromethane

Concen: 45.557 ug/l

RT: 8.177 min Scan# 1061

Delta R.T. 0.005 min

Lab File: VN076715.D

Acq: 16 Feb 2023 16:39

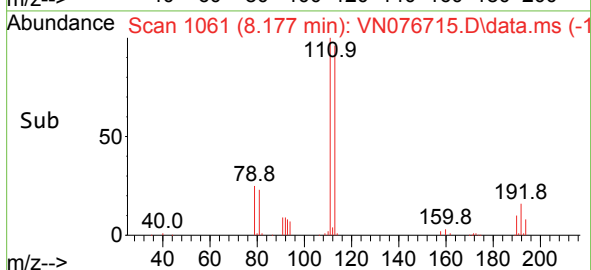
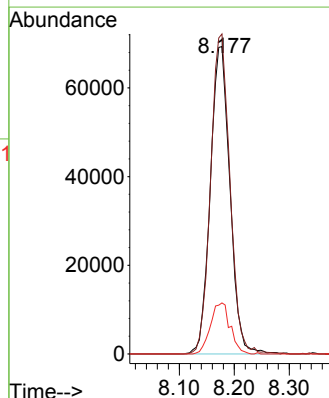
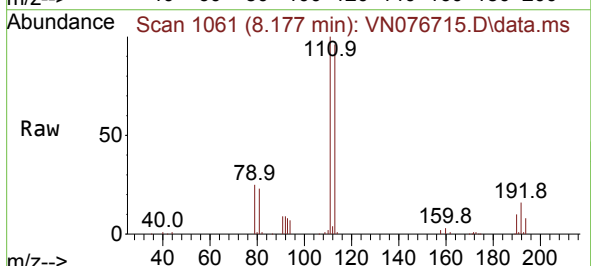
Tgt Ion:113 Resp: 171764

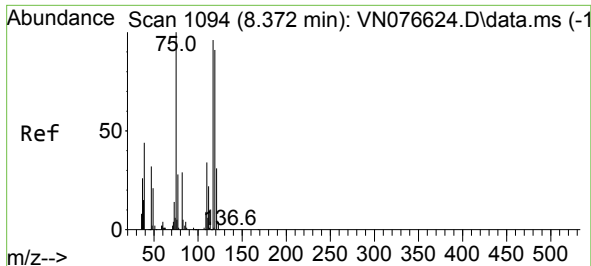
Ion Ratio Lower Upper

113 100

111 102.7 83.1 124.7

192 16.7 15.6 23.4

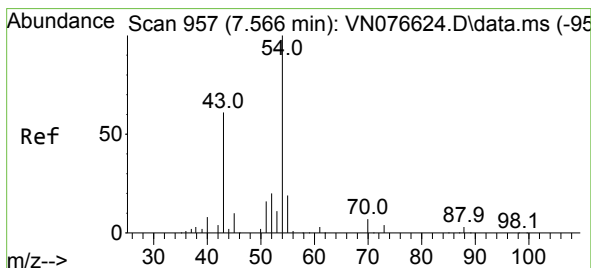
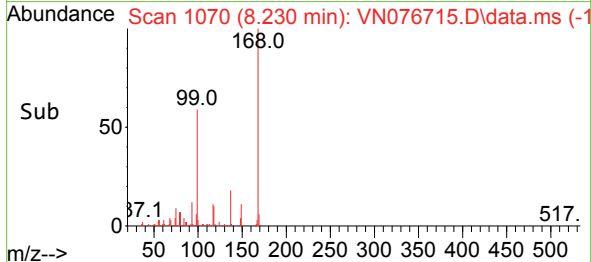
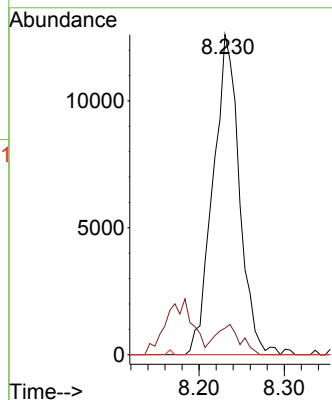
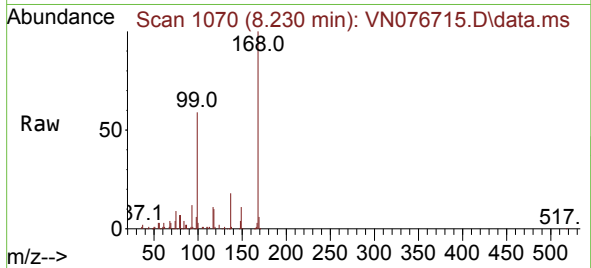




#36
1,1-Dichloropropene
Concen: 4.974 ug/l
RT: 8.230 min Scan# 1094
Delta R.T. -0.142 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

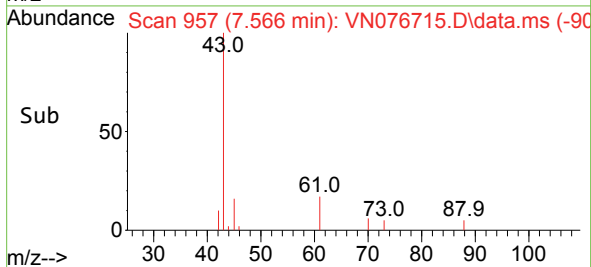
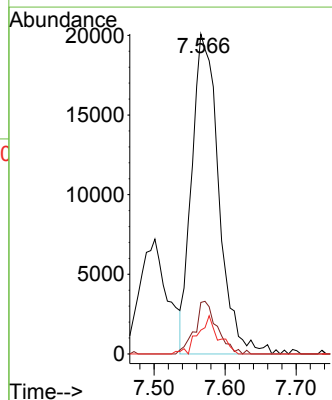
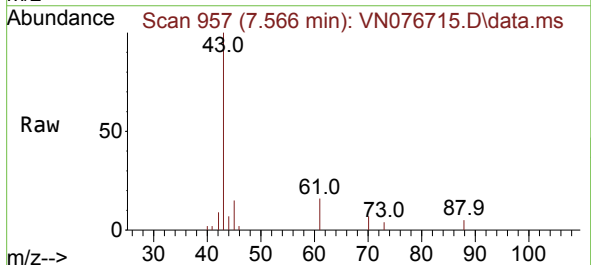
Instrument :
MSVOA_N
ClientSampleId :

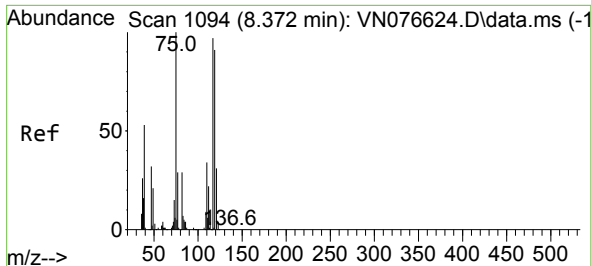
Tgt Ion: 75 Resp: 27097
Ion Ratio Lower Upper
75 100
110 8.9 17.5 52.5#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 9.259 ug/l
RT: 7.566 min Scan# 957
Delta R.T. -0.000 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

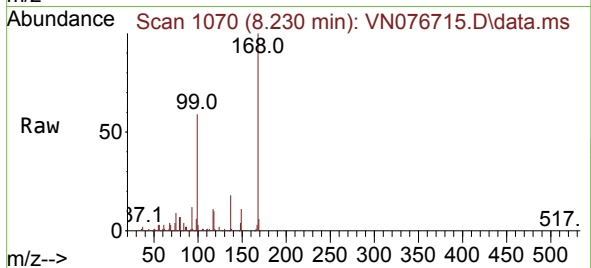
Tgt Ion: 43 Resp: 53066
Ion Ratio Lower Upper
43 100
61 13.7 9.9 14.9
70 9.0 7.8 11.6



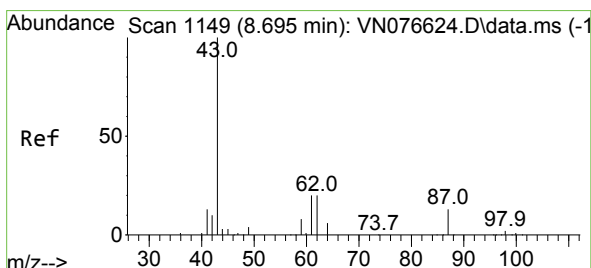
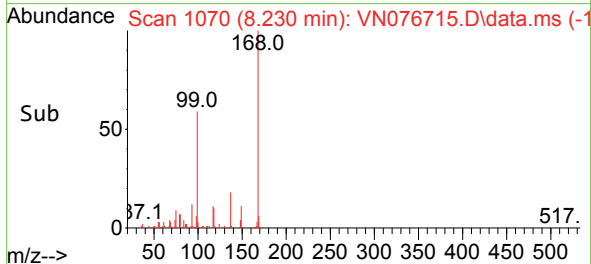
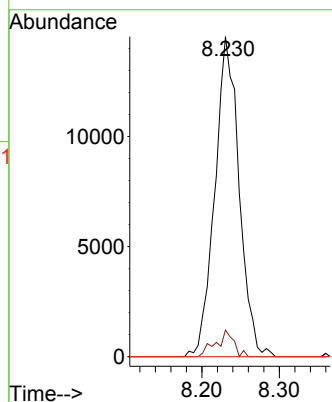


#38
Carbon Tetrachloride
Concen: 5.750 ug/l
RT: 8.230 min Scan# 1094
Delta R.T. -0.142 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

Instrument :
MSVOA_N
ClientSampleId :

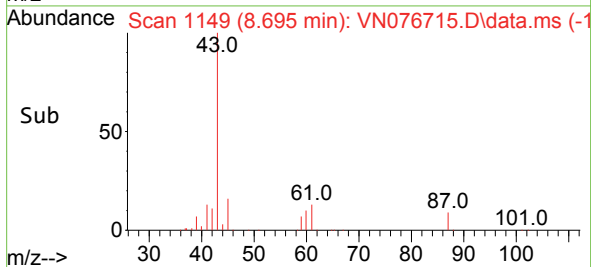
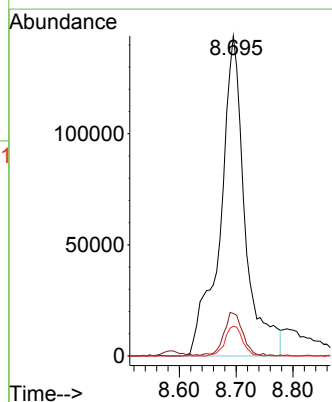
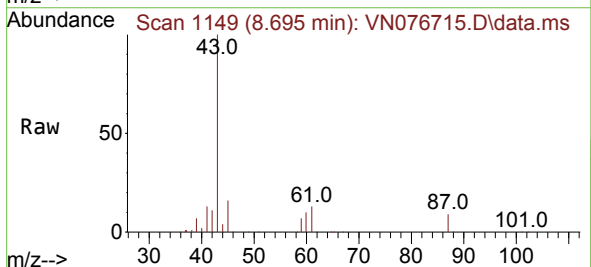


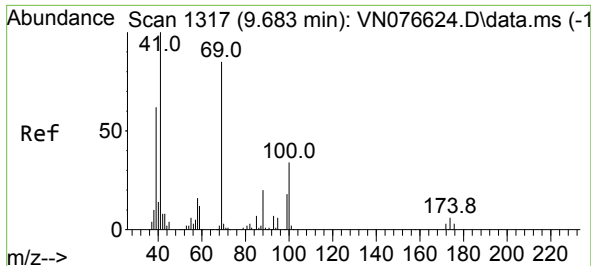
Tgt Ion:117 Resp: 31599
Ion Ratio Lower Upper
117 100
119 8.4 75.4 113.0#
121 0.0 26.0 39.0#



#43
Isopropyl Acetate
Concen: 46.826 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

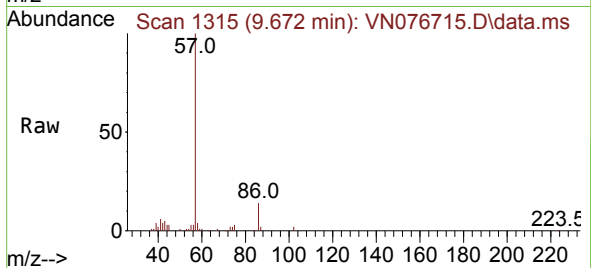
Tgt Ion: 43 Resp: 436720
Ion Ratio Lower Upper
43 100
61 9.9 20.0 30.0#
87 6.6 9.9 14.9#



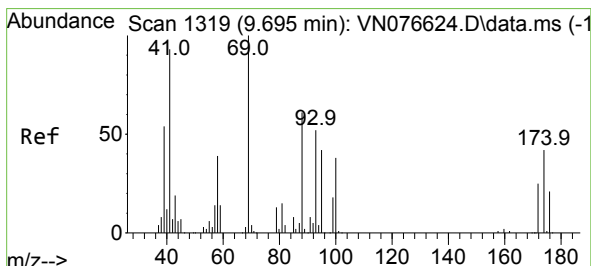
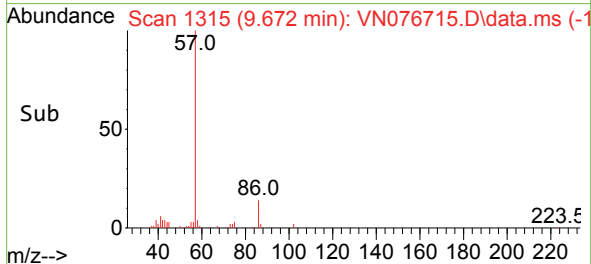
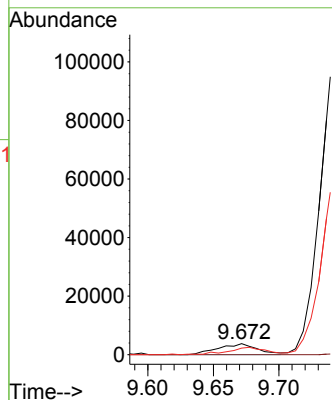


#48
Methyl methacrylate
Concen: 1.769 ug/l
RT: 9.672 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

Instrument :
MSVOA_N
ClientSampleId :

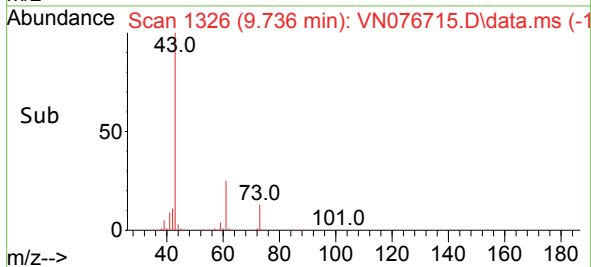
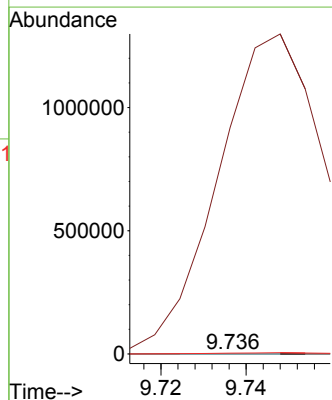
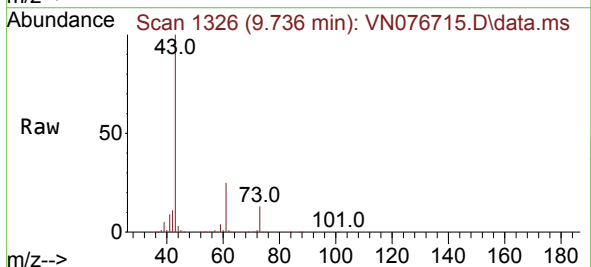


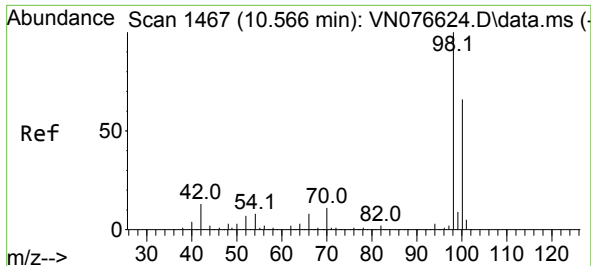
Tgt Ion: 41 Resp: 7830
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 64.1 49.3 73.9



#49
1,4-Dioxane
Concen: 2.430 ug/l
RT: 9.736 min Scan# 1326
Delta R.T. 0.041 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

Tgt Ion: 88 Resp: 186
Ion Ratio Lower Upper
88 100
43 1278989.8 22.6 33.8#
58 5083.9 57.6 86.4#

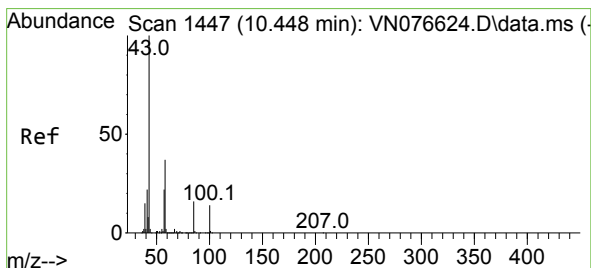
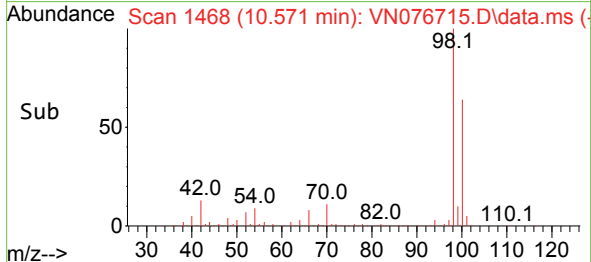
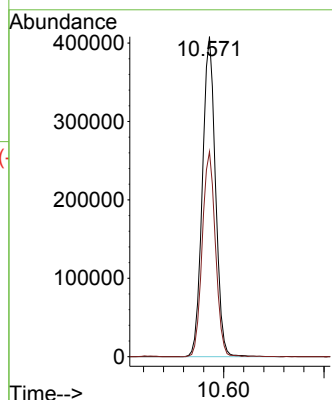
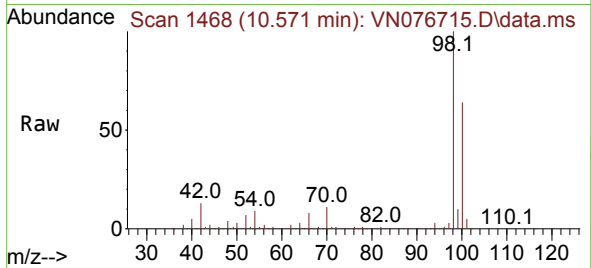




#50
Toluene-d8
Concen: 52.429 ug/l
RT: 10.571 min Scan# 1467
Delta R.T. 0.005 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

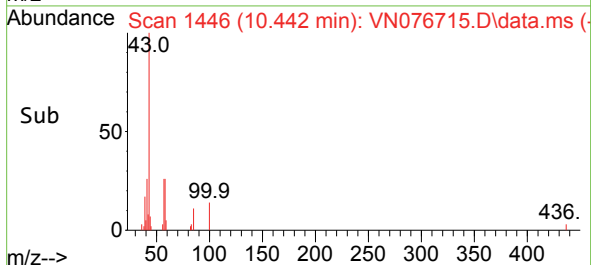
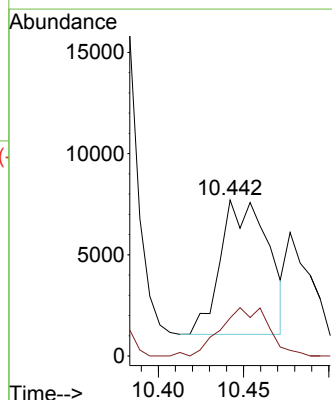
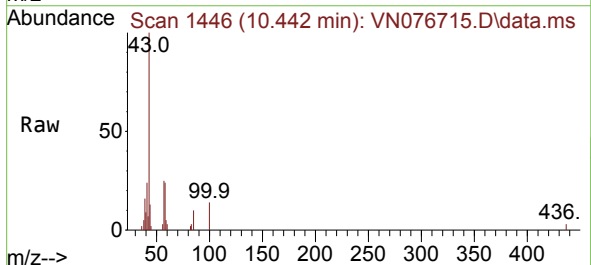
Instrument :
MSVOA_N
ClientSampleId :

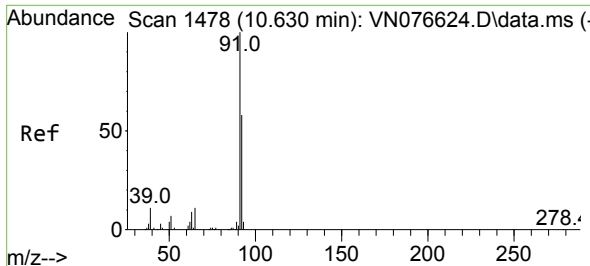
Tgt Ion: 98 Resp: 738223
Ion Ratio Lower Upper
98 100
100 64.6 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 2.166 ug/l
RT: 10.442 min Scan# 1446
Delta R.T. -0.006 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

Tgt Ion: 43 Resp: 12854
Ion Ratio Lower Upper
43 100
58 36.9 29.5 44.3

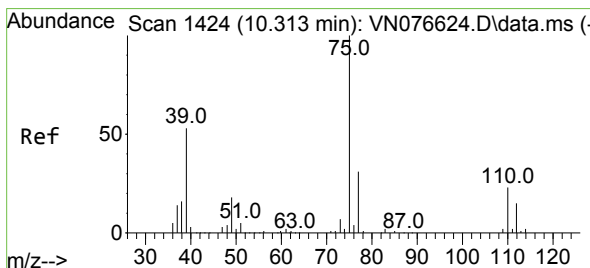
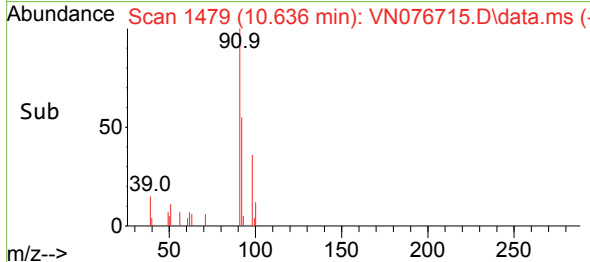
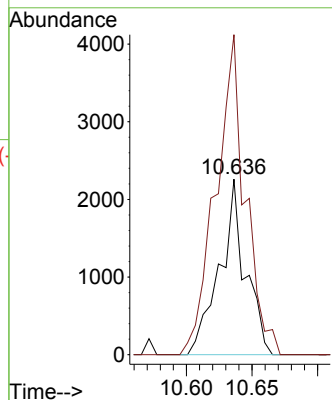
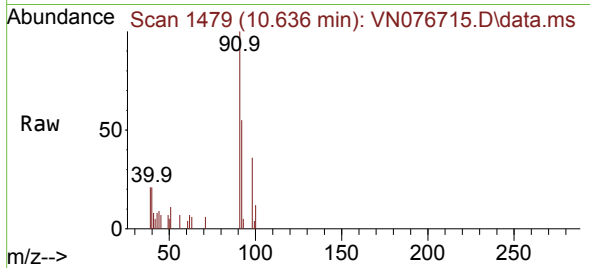




#52
Toluene
Concen: 0.306 ug/l
RT: 10.636 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

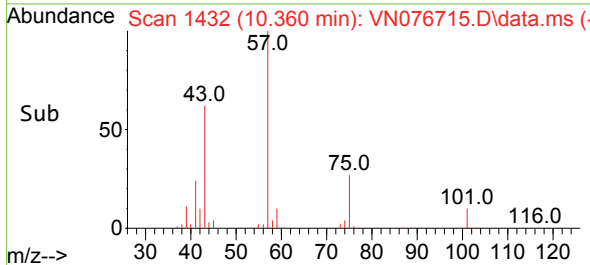
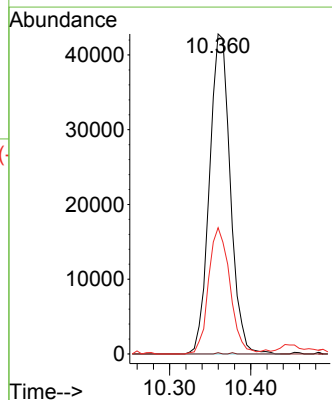
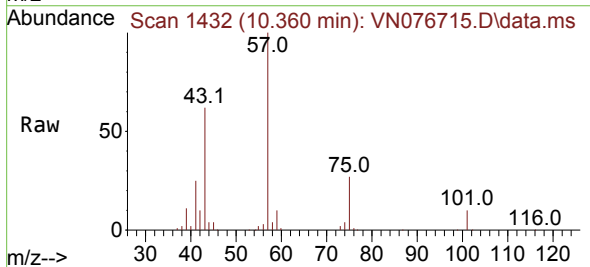
Instrument :
MSVOA_N
ClientSampleId :

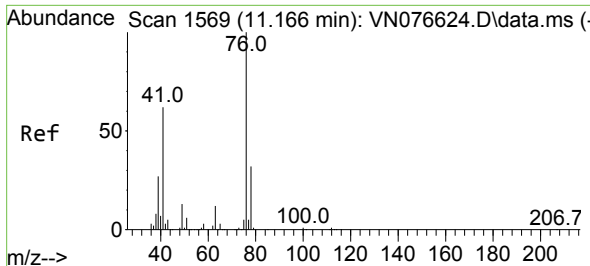
Tgt Ion: 92 Resp: 3087
Ion Ratio Lower Upper
92 100
91 208.6 138.0 207.0#



#54
cis-1,3-Dichloropropene
Concen: 12.065 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

Tgt Ion: 75 Resp: 76244
Ion Ratio Lower Upper
75 100
77 0.4 25.1 37.7#
39 39.4 42.3 63.5#

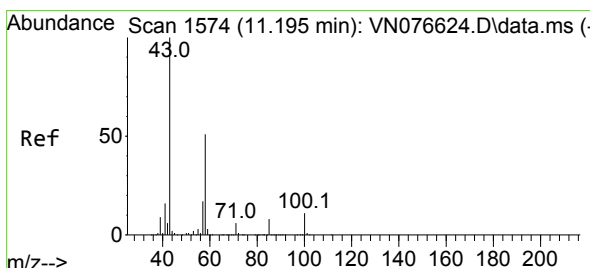
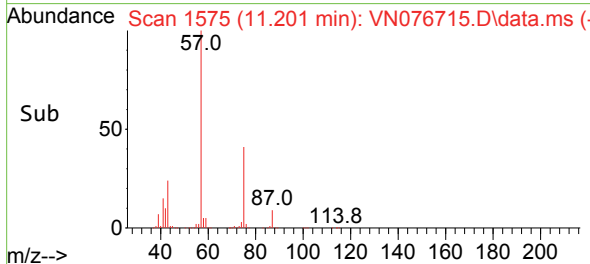
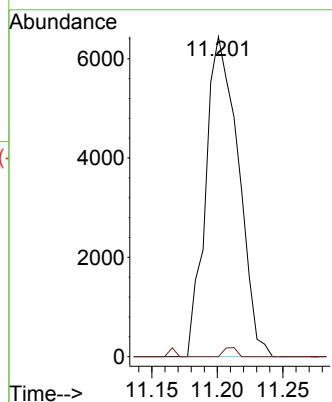
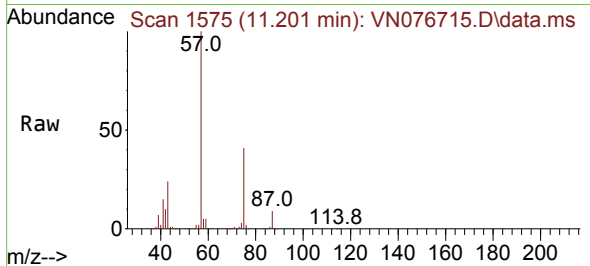




#57
1,3-Dichloropropane
Concen: 1.583 ug/l
RT: 11.201 min Scan# 11171
Delta R.T. 0.035 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

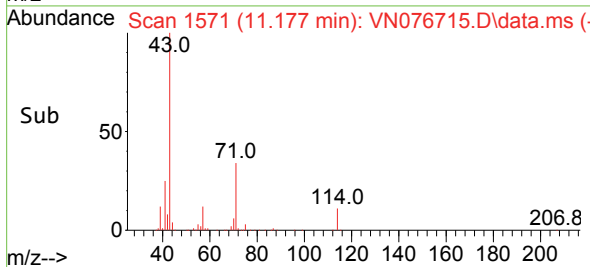
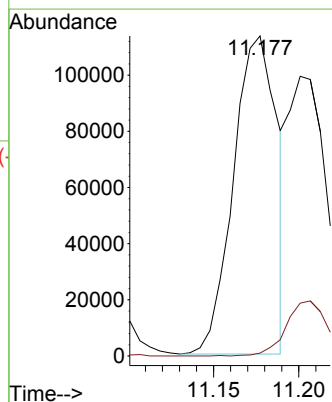
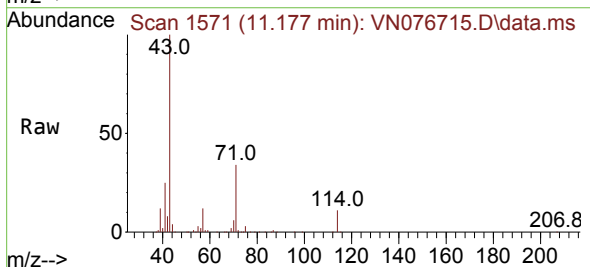
Instrument :
MSVOA_N
ClientSampleId :

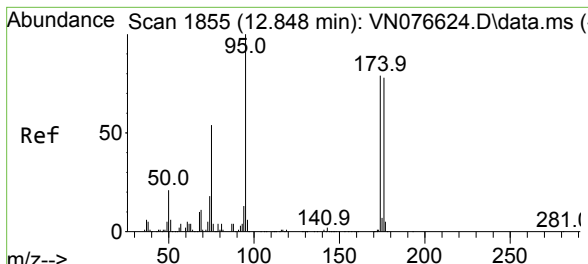
Tgt Ion: 76 Resp: 11171
Ion Ratio Lower Upper
76 100
78 1.1 26.1 39.1#



#59
2-Hexanone
Concen: 47.141 ug/l
RT: 11.177 min Scan# 1571
Delta R.T. -0.018 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

Tgt Ion: 43 Resp: 201698
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.0#

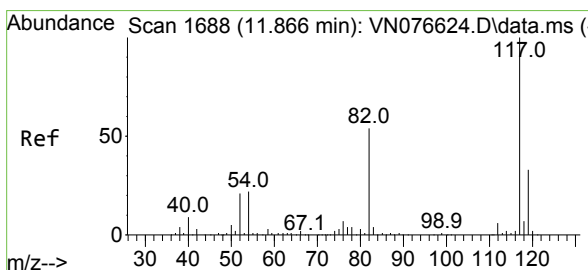
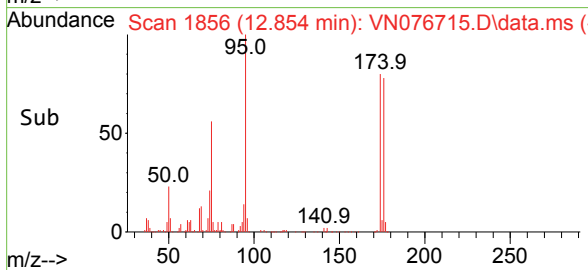
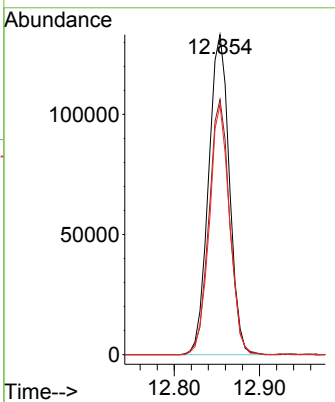
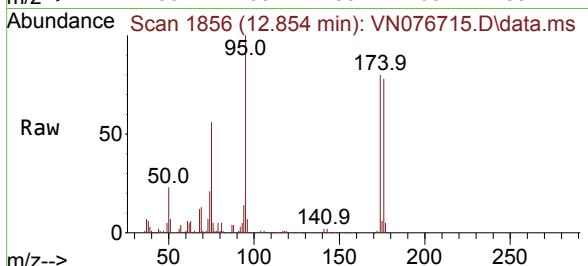




#62
4-Bromofluorobenzene
Concen: 48.307 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

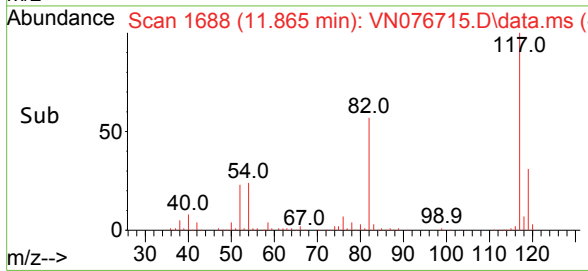
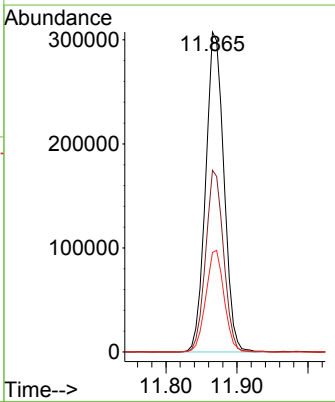
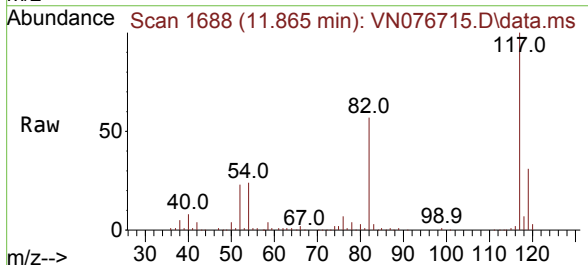
Instrument :
MSVOA_N
ClientSampleId :

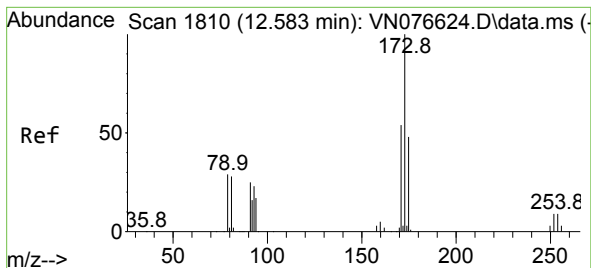
Tgt Ion:	95	Resp:	225280
Ion	Ratio	Lower	Upper
95	100		
174	79.2	0.0	169.2
176	75.8	0.0	163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1688
Delta R.T. -0.001 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

Tgt Ion:	117	Resp:	548357
Ion	Ratio	Lower	Upper
117	100		
82	56.8	43.4	65.2
119	31.1	26.1	39.1





#71

Bromoform

Concen: 0.525 ug/l

RT: 12.848 min Scan# 1810

Delta R.T. 0.265 min

Lab File: VN076715.D

Acq: 16 Feb 2023 16:39

Instrument :

MSVOA_N

ClientSampleId :

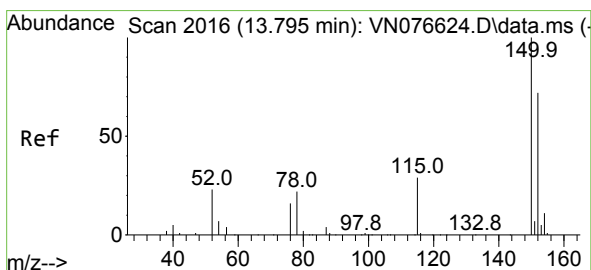
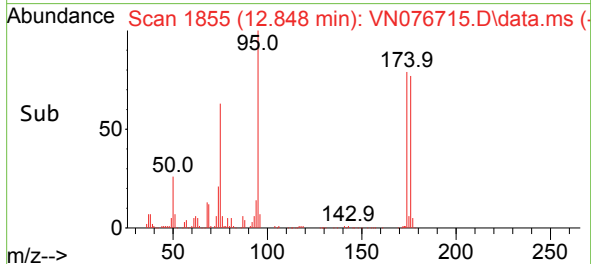
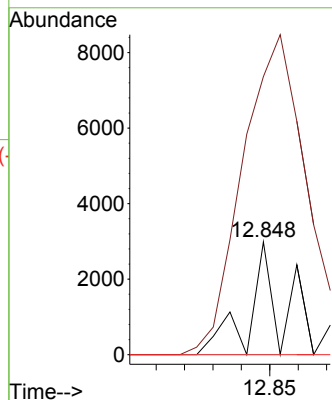
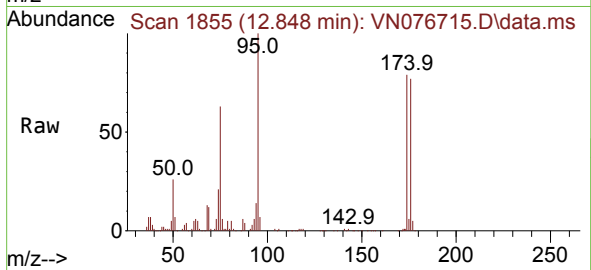
Tgt Ion:173 Resp: 1627

Ion Ratio Lower Upper

173 100

175 690.4 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: VN076715.D

Acq: 16 Feb 2023 16:39

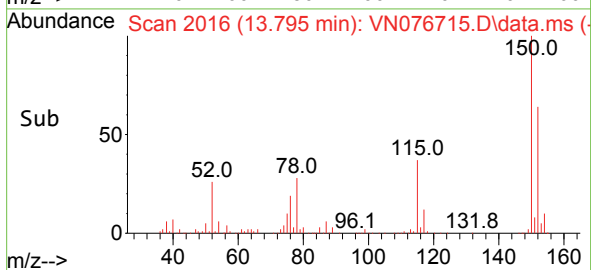
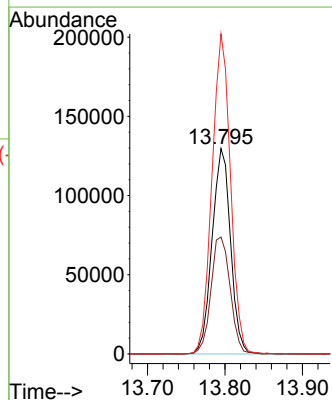
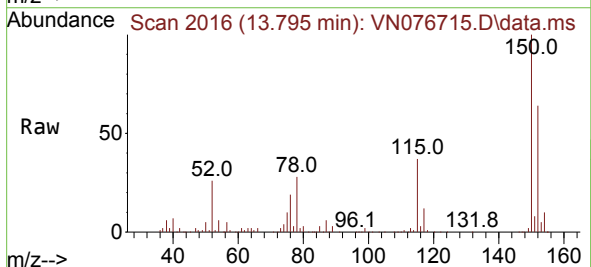
Tgt Ion:152 Resp: 214620

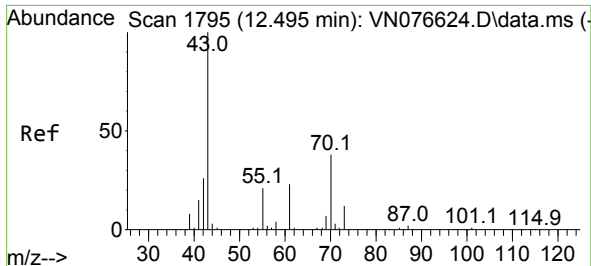
Ion Ratio Lower Upper

152 100

115 59.3 29.3 87.9

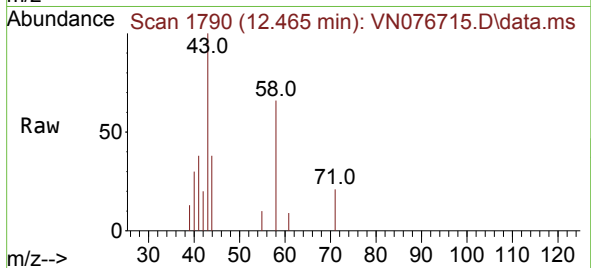
150 155.6 0.0 349.8



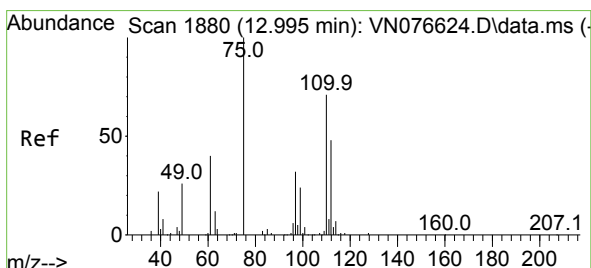
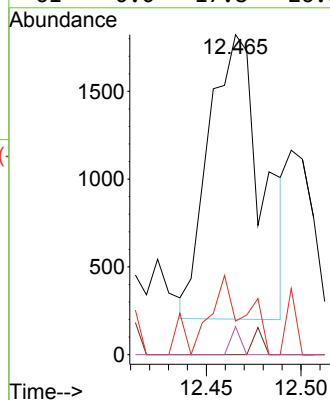
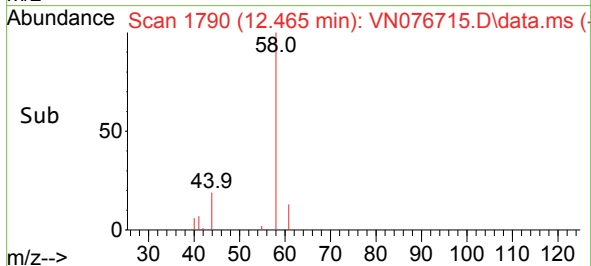


#74
N-amy1 acetate
Concen: 0.446 ug/l
RT: 12.465 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

Instrument :
MSVOA_N
ClientSampleId :

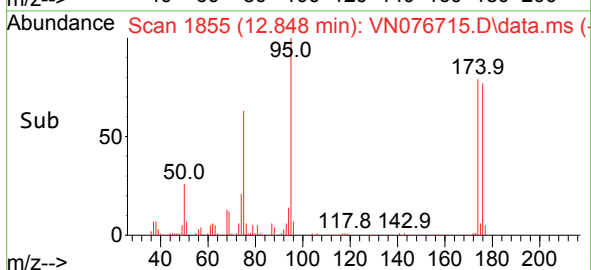
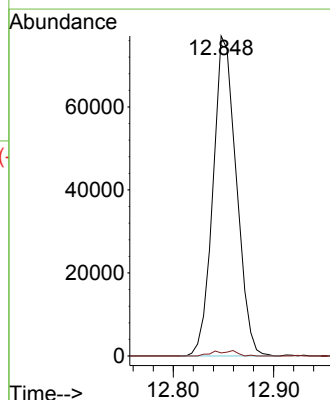
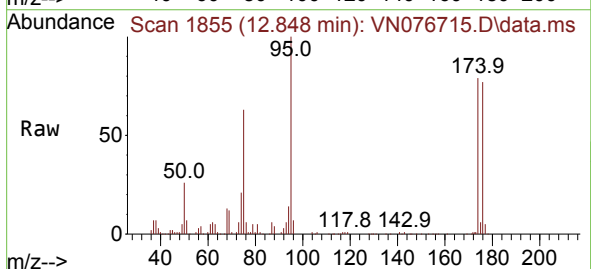


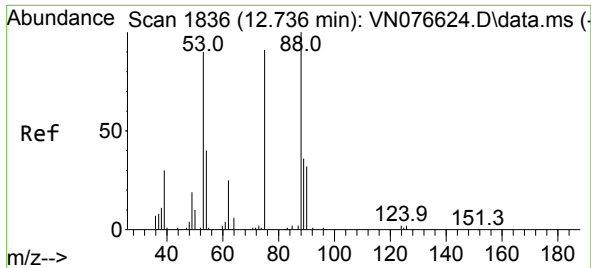
Tgt Ion: 43 Resp: 3165
Ion Ratio Lower Upper
43 100
70 0.0 30.5 45.7#
55 17.9 17.8 26.8
61 0.0 17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 28.709 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.147 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

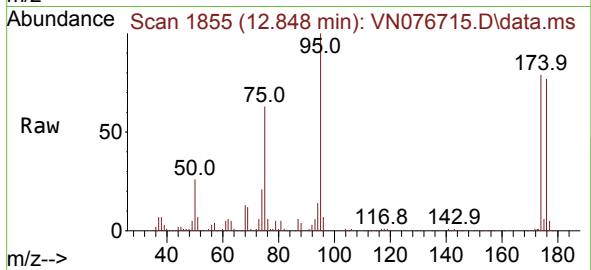
Tgt Ion: 75 Resp: 124568
Ion Ratio Lower Upper
75 100
77 1.6 93.1 279.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.616 ug/l
 RT: 12.848 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN076715.D
 Acq: 16 Feb 2023 16:39

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 124568
 Ion Ratio Lower Upper
 75 100
 53 0.1 92.1 138.1#
 89 0.0 37.5 56.3#

