

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013023\
 Data File : VN076455.D
 Acq On : 30 Jan 2023 14:29
 Operator : JC\MD
 Sample : PB150523ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 31 00:39:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

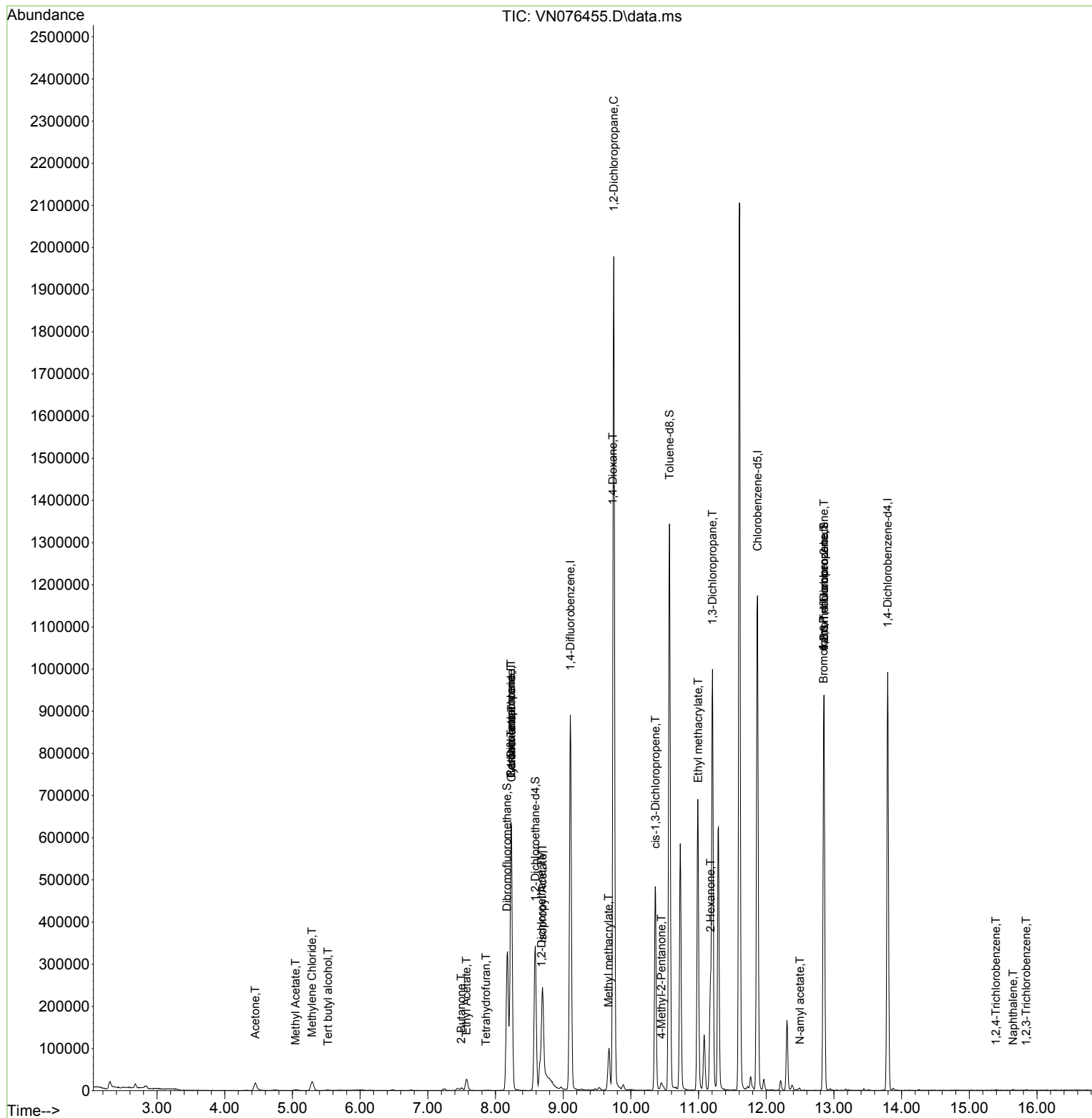
Internal Standards						
1) Pentafluorobenzene	8.230	168	470934	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	785885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	701511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	270777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	284884	54.027	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.060%			
35) Dibromofluoromethane	8.171	113	238705	48.556	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.120%			
50) Toluene-d8	10.571	98	935422	51.523	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.040%			
62) 4-Bromofluorobenzene	12.853	95	315509	53.233	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.460%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	1016	1.441	ug/l #	72
16) Acetone	4.453	43	34273	20.208	ug/l	96
18) Methyl Acetate	5.047	43	4067	0.710	ug/l #	80
20) Methylene Chloride	5.289	84	18157	3.065	ug/l	96
25) 2-Butanone	7.494	43	10140	3.928	ug/l	89
29) Tetrahydrofuran	7.859	42	623	0.391	ug/l #	32
31) Cyclohexane	8.235	56	10062	1.242	ug/l #	37
36) 1,1-Dichloropropene	8.230	75	36607	5.240	ug/l #	49
37) Ethyl Acetate	7.571	43	39904	7.153	ug/l	99
38) Carbon Tetrachloride	8.230	117	49541	6.360	ug/l #	17
42) 1,2-Dichloroethane	8.682	62	2231	0.312	ug/l #	73
43) Isopropyl Acetate	8.694	43	391354	42.935	ug/l #	72
45) 1,2-Dichloropropane	9.747	63	2498	0.499	ug/l #	42
48) Methyl methacrylate	9.671	41	6214	1.440	ug/l #	36
49) 1,4-Dioxane	9.735	88	228	2.504	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	18313	3.422	ug/l #	73
54) cis-1,3-Dichloropropene	10.365	75	93265	11.612	ug/l #	62
56) Ethyl methacrylate	10.994	69	2285	0.331	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	11138	1.284	ug/l #	42
59) 2-Hexanone	11.176	43	208266	53.711	ug/l #	21
71) Bromoform	12.847	173	1797	0.451	ug/l #	1
74) N-amyl acetate	12.500	43	3548	0.589	ug/l #	40
76) 1,2,3-Trichloropropane	12.853	75	173054	34.794	ug/l #	1
77) Bromobenzene	12.982	156	55	Below Cal	#	13
81) trans-1,4-Dichloro-2-b...	12.853	75	173054	106.336	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.394	180	493	1.406	ug/l	78
95) Naphthalene	15.647	128	2232	1.992	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.841	180	509	1.264	ug/l #	26

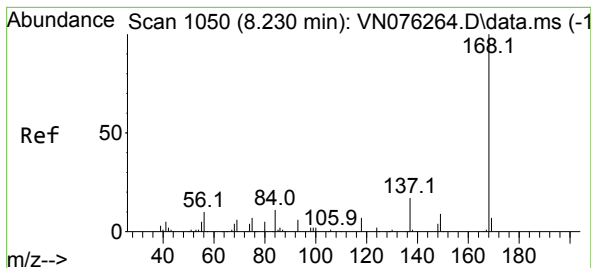
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013023\
Data File : VN076455.D
Acq On : 30 Jan 2023 14:29
Operator : JC\MD
Sample : PB150523ZHE#03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 31 00:39:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 17 03:59:22 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076455.D

Acq: 30 Jan 2023 14:29

Instrument :

MSVOA_N

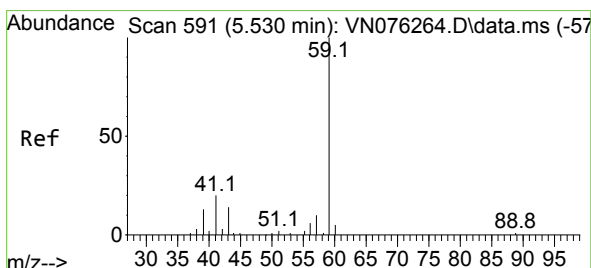
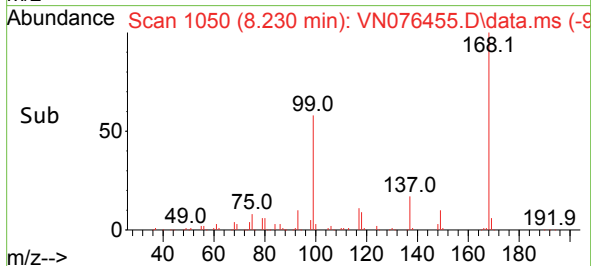
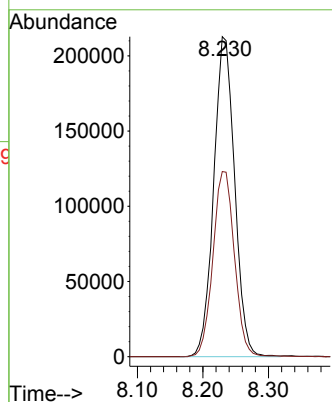
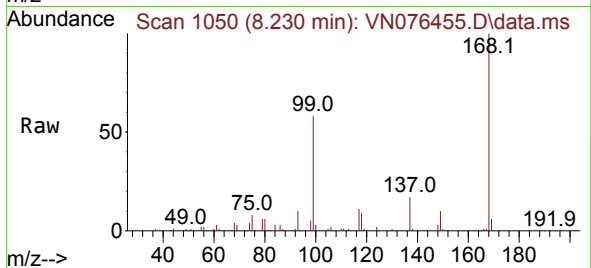
ClientSampleId :

Tgt Ion:168 Resp: 470934

Ion Ratio Lower Upper

168 100

99 57.8 41.6 62.4



#11

Tert butyl alcohol

Concen: 1.441 ug/l

RT: 5.524 min Scan# 590

Delta R.T. -0.006 min

Lab File: VN076455.D

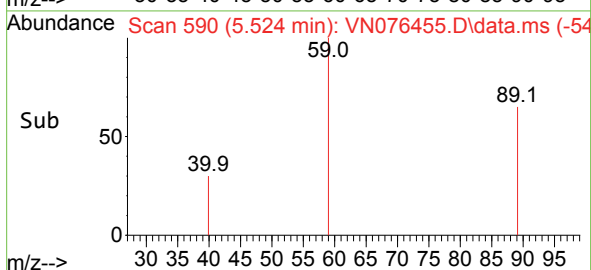
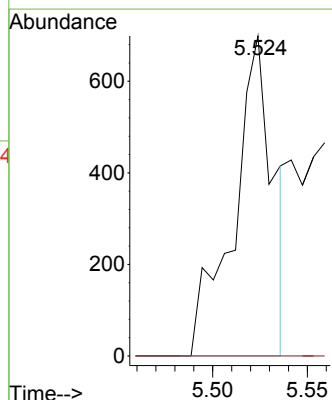
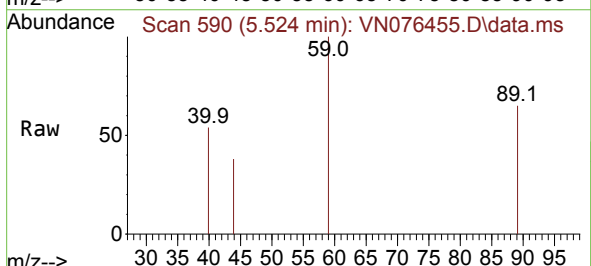
Acq: 30 Jan 2023 14:29

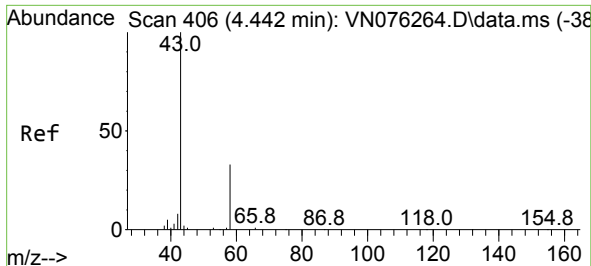
Tgt Ion: 59 Resp: 1016

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

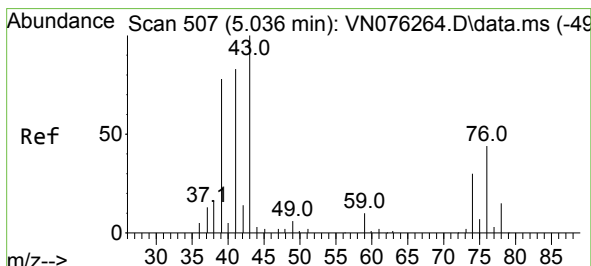
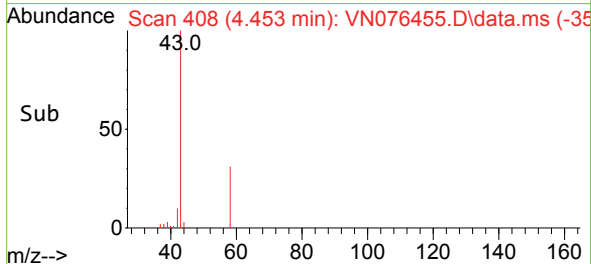
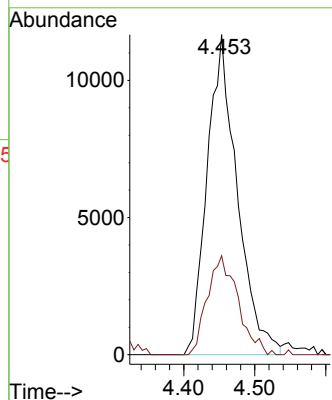
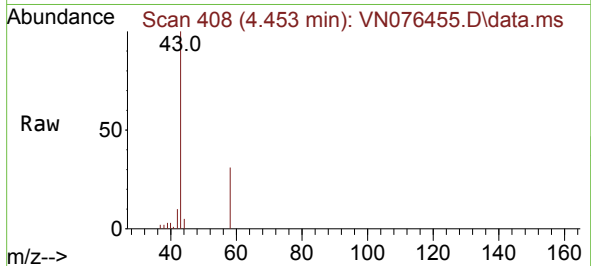




#16
Acetone
Concen: 20.208 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.011 min
Lab File: VN076455.D
Acq: 30 Jan 2023 14:29

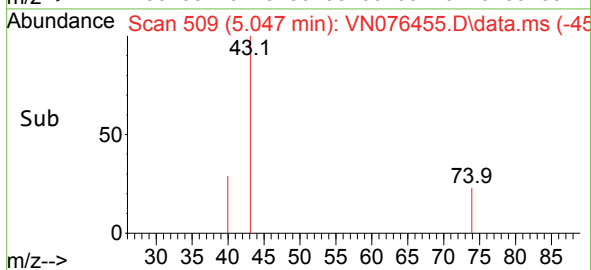
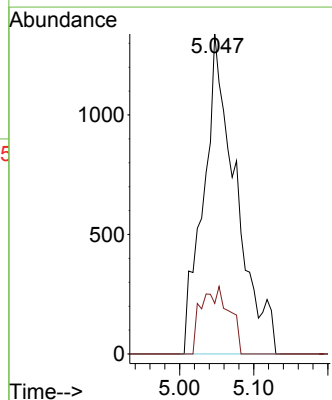
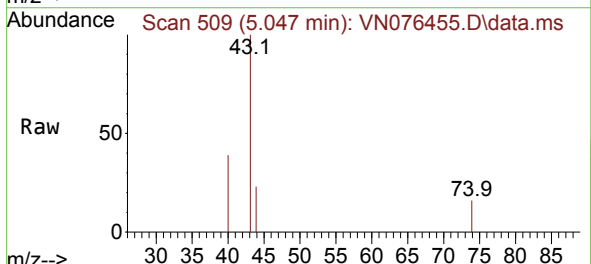
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 34273
Ion Ratio Lower Upper
43 100
58 30.9 26.7 40.1



#18
Methyl Acetate
Concen: 0.710 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.011 min
Lab File: VN076455.D
Acq: 30 Jan 2023 14:29

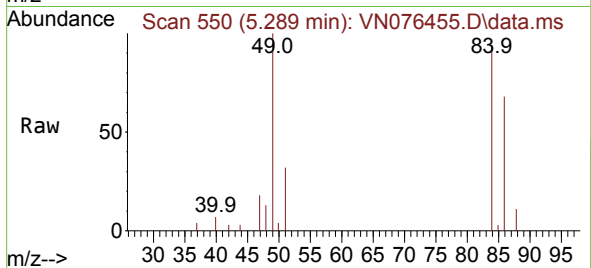
Tgt Ion: 43 Resp: 4067
Ion Ratio Lower Upper
43 100
74 18.3 23.3 34.9#



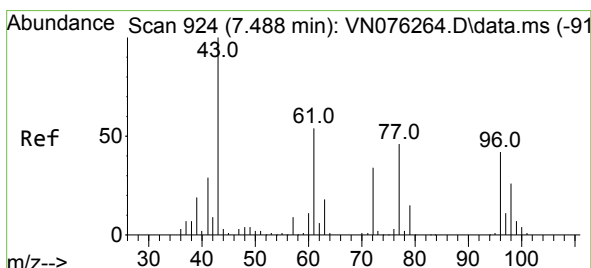
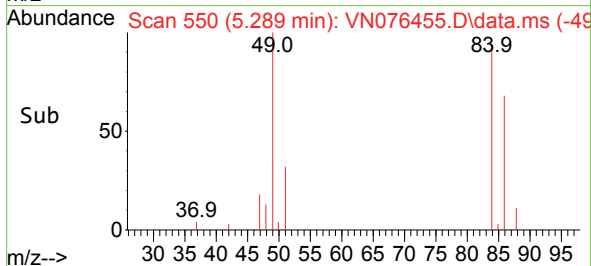
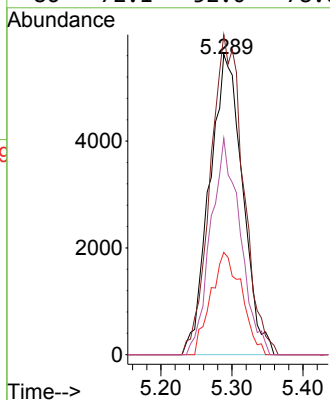


#20
Methylene Chloride
Concen: 3.065 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076455.D
Acq: 30 Jan 2023 14:29

Instrument :
MSVOA_N
ClientSampleId :

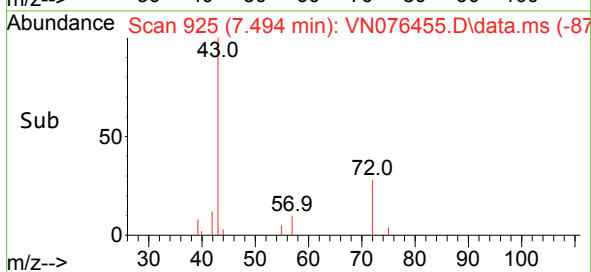
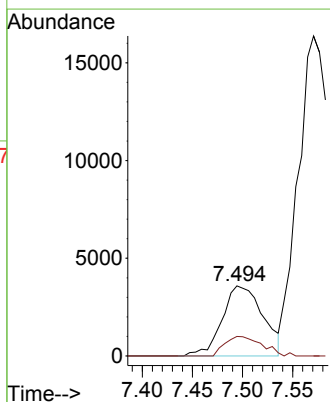
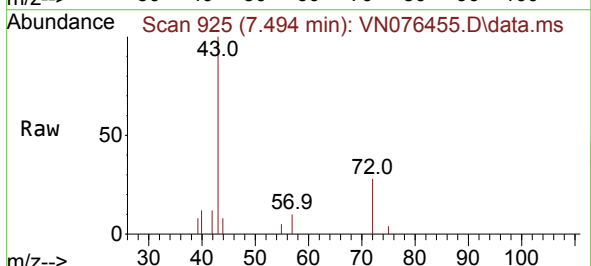


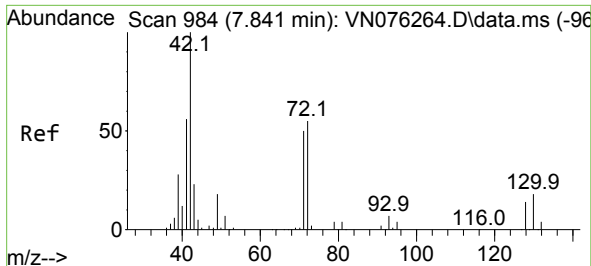
Tgt Ion: 84	Resp: 18157		
Ion	Ratio	Lower	Upper
84	100		
49	106.6	84.5	126.7
51	34.1	26.0	39.0
86	72.1	52.0	78.0



#25
2-Butanone
Concen: 3.928 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN076455.D
Acq: 30 Jan 2023 14:29

Tgt Ion: 43	Resp: 10140		
Ion Ratio	Lower	Upper	
43	100		
72	27.8	27.4	41.2

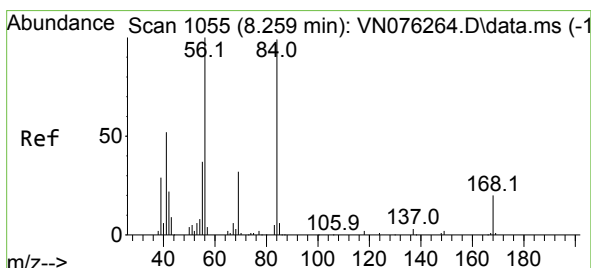
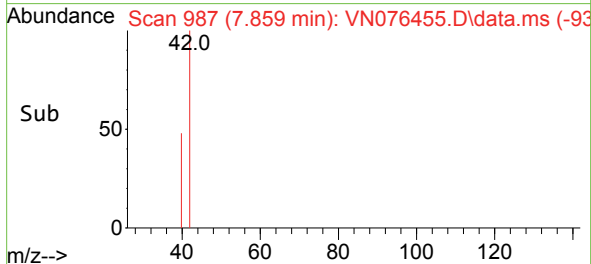
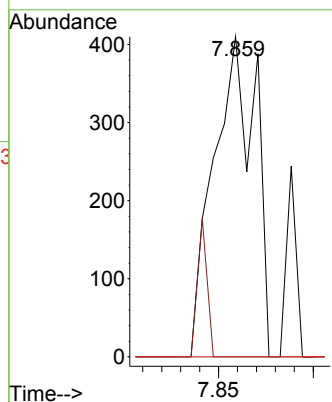
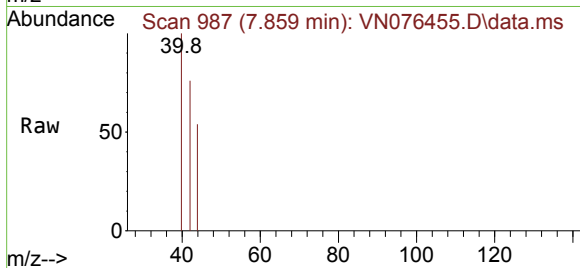




#29
Tetrahydrofuran
Concen: 0.391 ug/l
RT: 7.859 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN076455.D
Acq: 30 Jan 2023 14:29

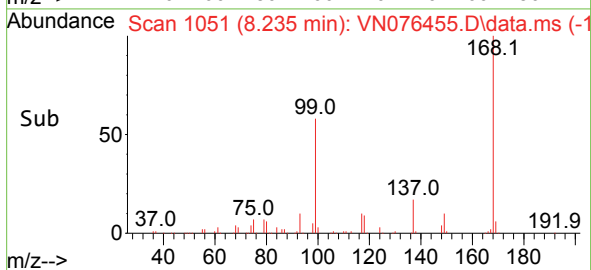
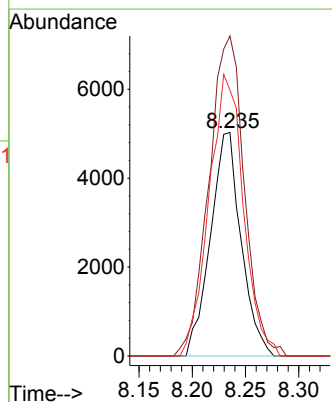
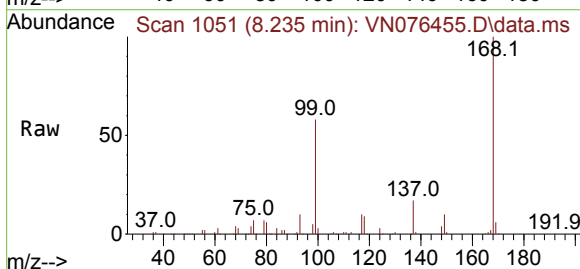
Instrument :
MSVOA_N
ClientSampleId :

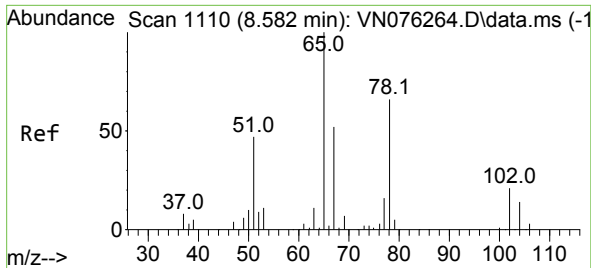
Tgt Ion: 42 Resp: 623
Ion Ratio Lower Upper
42 100
72 10.0 44.0 66.0#
71 0.0 41.1 61.7#



#31
Cyclohexane
Concen: 1.242 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.024 min
Lab File: VN076455.D
Acq: 30 Jan 2023 14:29

Tgt Ion: 56 Resp: 10062
Ion Ratio Lower Upper
56 100
69 139.8 25.8 38.8#
84 118.9 79.0 118.4#

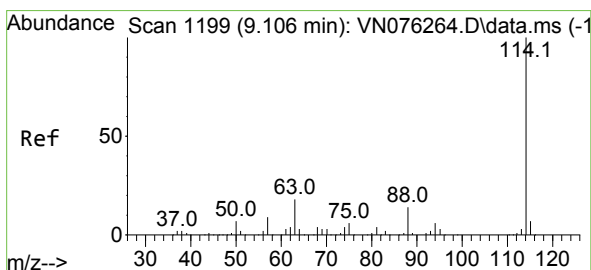
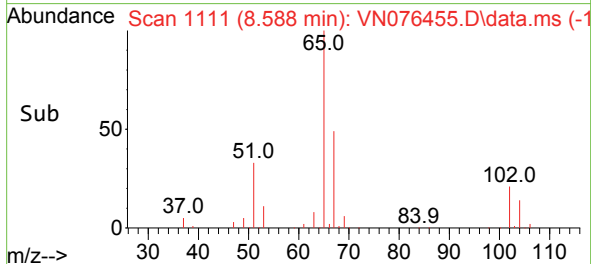
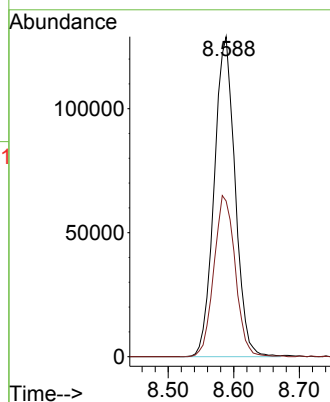
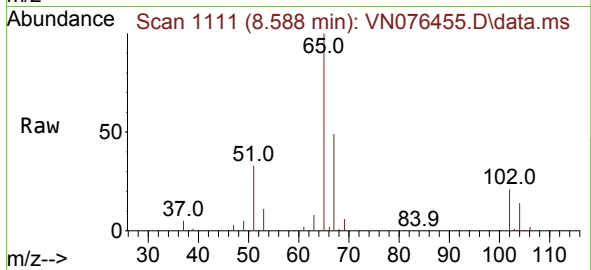




#33
 1,2-Dichloroethane-d4
 Concen: 54.027 ug/l
 RT: 8.588 min Scan# 1111
 Delta R.T. 0.006 min
 Lab File: VN076455.D
 Acq: 30 Jan 2023 14:29

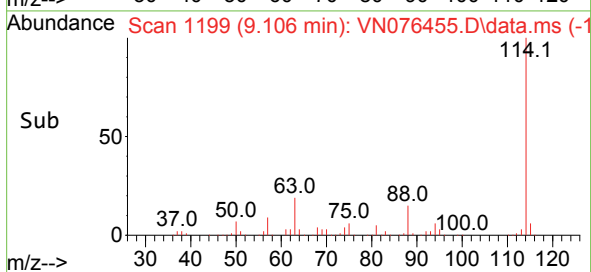
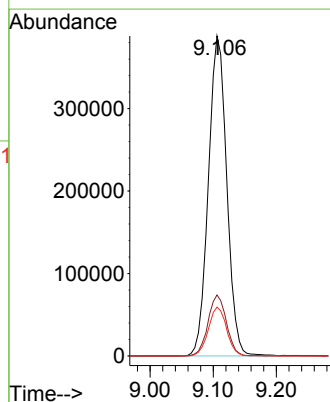
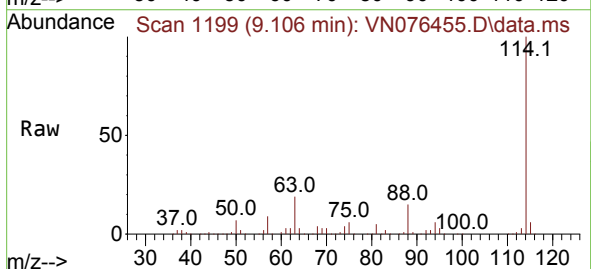
Instrument :
 MSVOA_N
 ClientSampleId :

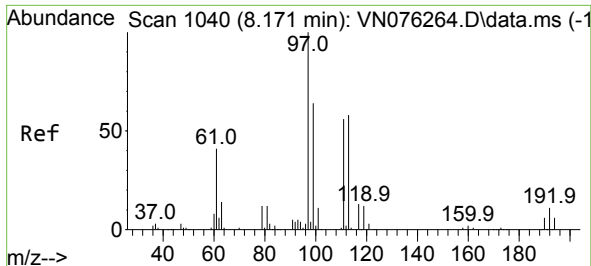
Tgt Ion: 65 Resp: 284884
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. -0.000 min
 Lab File: VN076455.D
 Acq: 30 Jan 2023 14:29

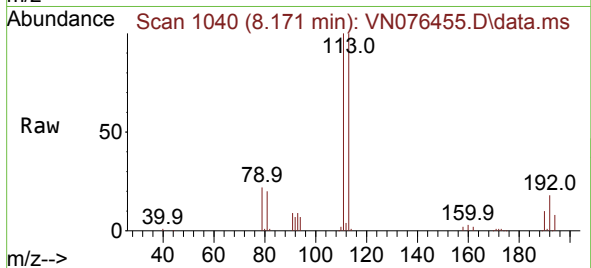
Tgt Ion: 114 Resp: 785885
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 35.8
 88 15.2 0.0 28.0



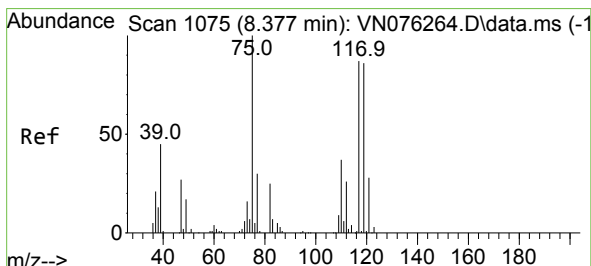
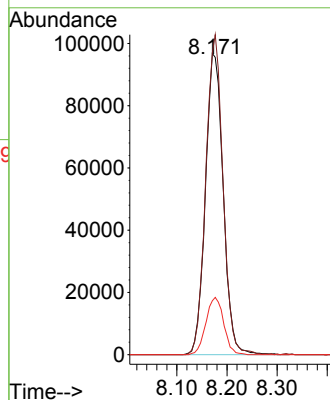
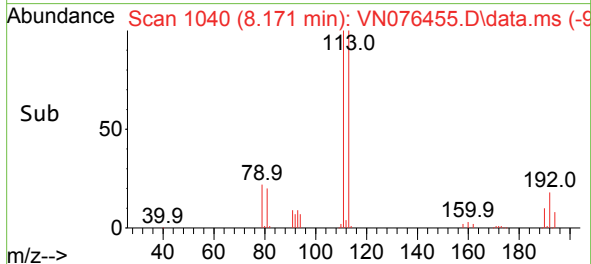


#35
Dibromofluoromethane
Concen: 48.556 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN076455.D
Acq: 30 Jan 2023 14:29

Instrument :
MSVOA_N
ClientSampleId :

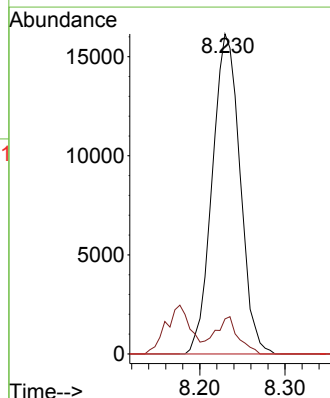
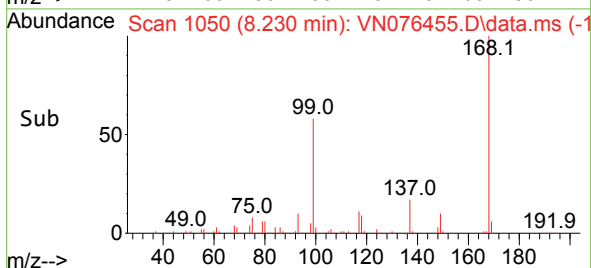
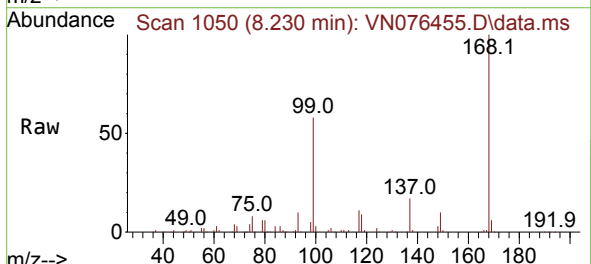


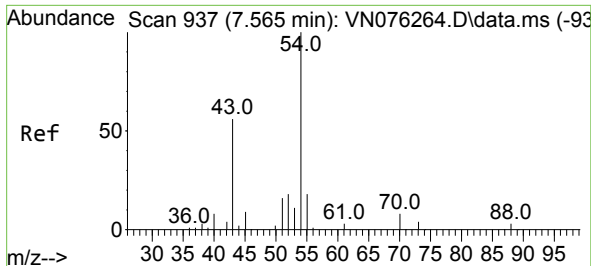
Tgt Ion:113 Resp: 238705
Ion Ratio Lower Upper
113 100
111 102.9 82.7 124.1
192 19.0 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.240 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076455.D
Acq: 30 Jan 2023 14:29

Tgt Ion: 75 Resp: 36607
Ion Ratio Lower Upper
75 100
110 9.3 18.8 56.3#
77 0.0 25.0 37.4#

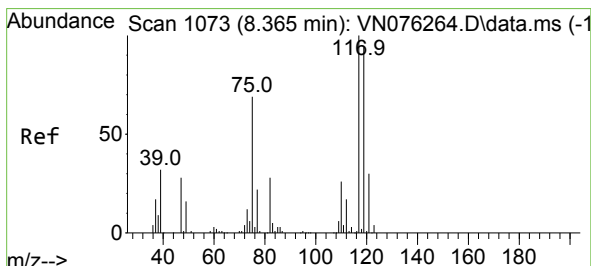
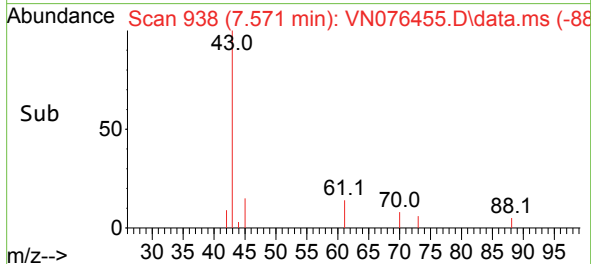
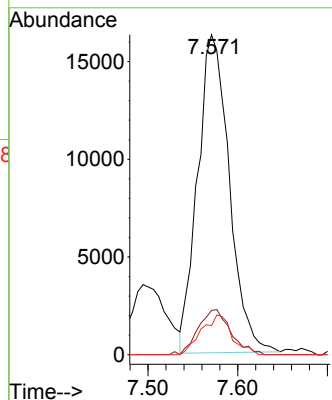
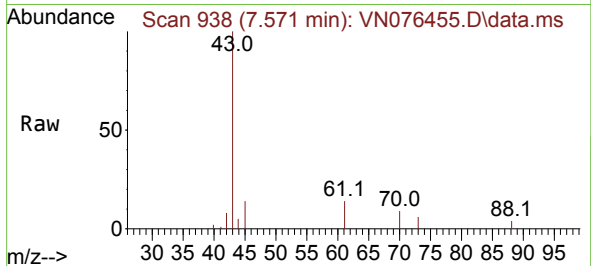




#37
Ethyl Acetate
Concen: 7.153 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076455.D
Acq: 30 Jan 2023 14:29

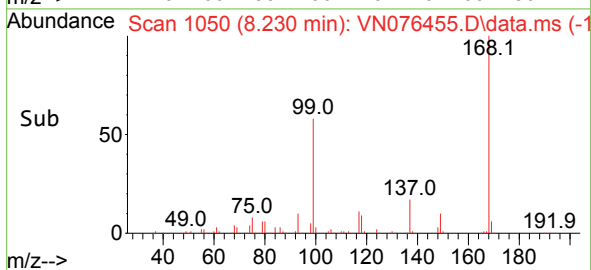
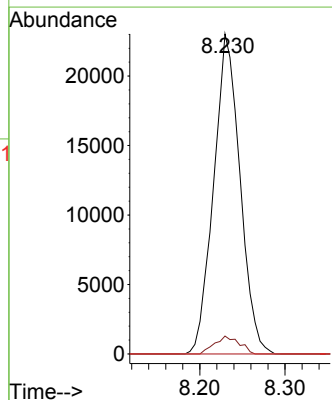
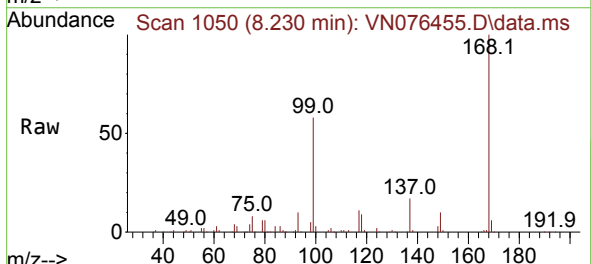
Instrument :
MSVOA_N
ClientSampleId :

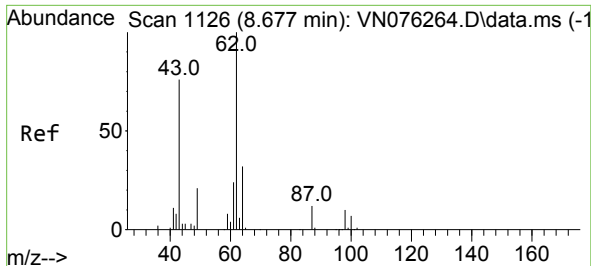
Tgt Ion: 43 Resp: 39904
Ion Ratio Lower Upper
43 100
61 14.6 11.1 16.7
70 12.1 10.0 15.0



#38
Carbon Tetrachloride
Concen: 6.360 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076455.D
Acq: 30 Jan 2023 14:29

Tgt Ion: 117 Resp: 49541
Ion Ratio Lower Upper
117 100
119 5.6 75.4 113.0#
121 0.0 24.2 36.2#





#42

1,2-Dichloroethane

Concen: 0.312 ug/l

RT: 8.682 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN076455.D

Acq: 30 Jan 2023 14:29

Instrument :

MSVOA_N

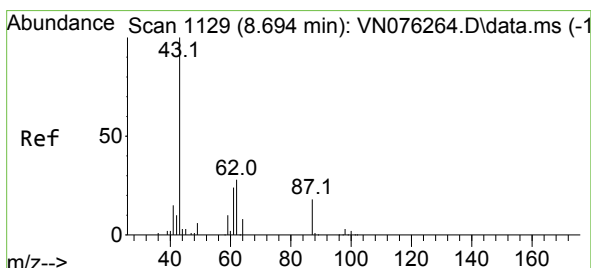
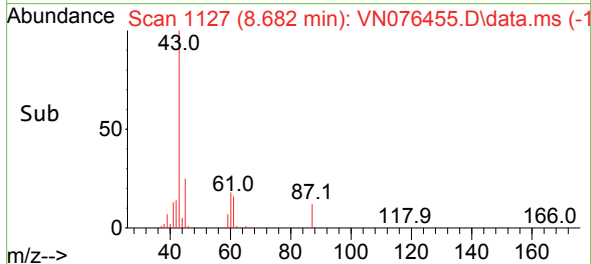
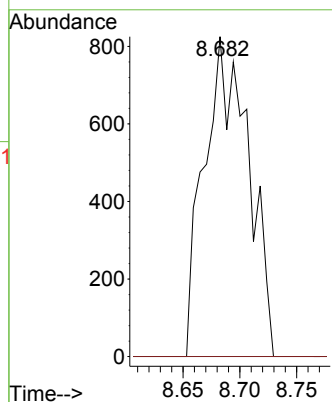
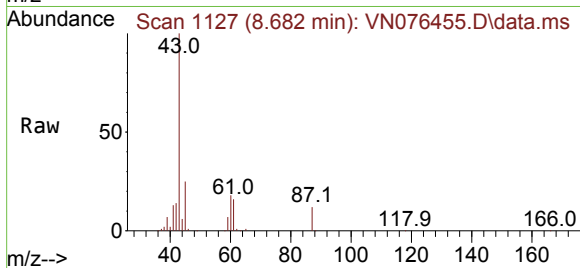
ClientSampleId :

Tgt Ion: 62 Resp: 2231

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4



#43

Isopropyl Acetate

Concen: 42.935 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN076455.D

Acq: 30 Jan 2023 14:29

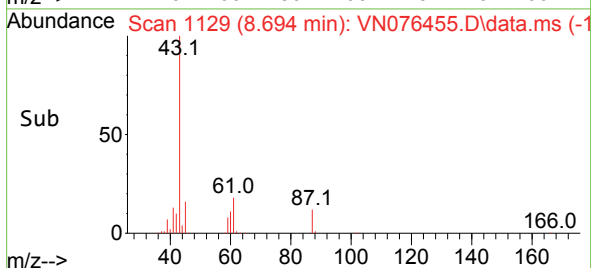
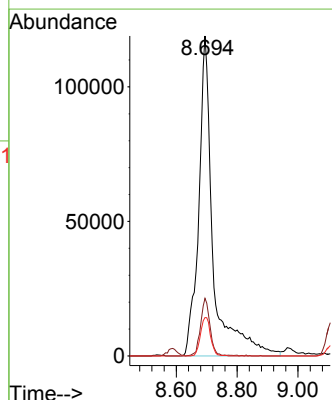
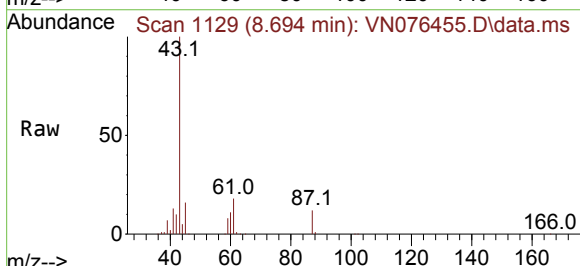
Tgt Ion: 43 Resp: 391354

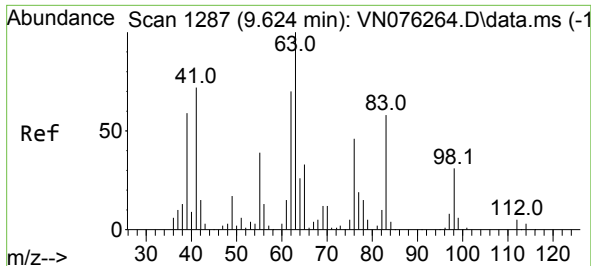
Ion Ratio Lower Upper

43 100

61 11.7 23.5 35.3#

87 8.4 13.8 20.6#





#45

1,2-Dichloropropane

Concen: 0.499 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN076455.D

Acq: 30 Jan 2023 14:29

Instrument :

MSVOA_N

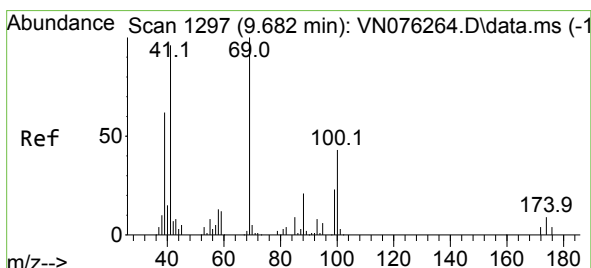
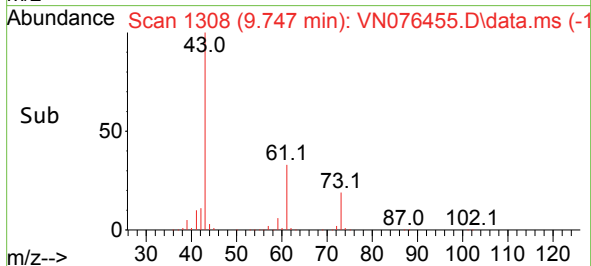
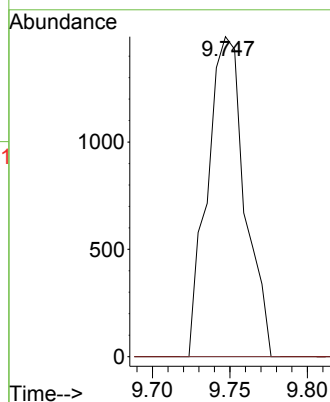
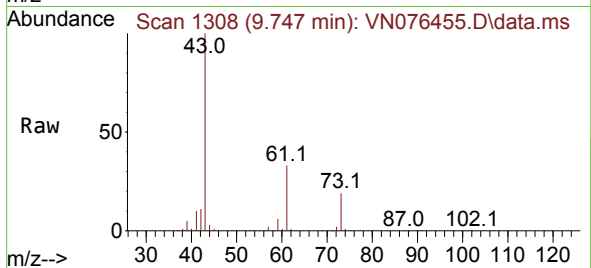
ClientSampleId :

Tgt Ion: 63 Resp: 2498

Ion Ratio Lower Upper

63 100

65 0.0 26.4 39.6#



#48

Methyl methacrylate

Concen: 1.440 ug/l

RT: 9.671 min Scan# 1295

Delta R.T. -0.011 min

Lab File: VN076455.D

Acq: 30 Jan 2023 14:29

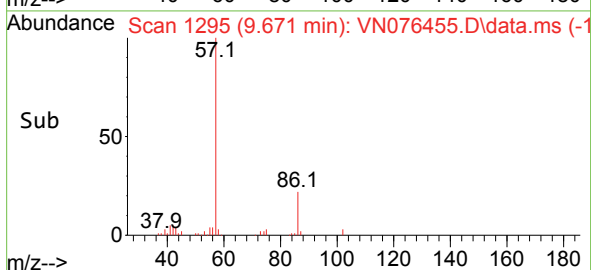
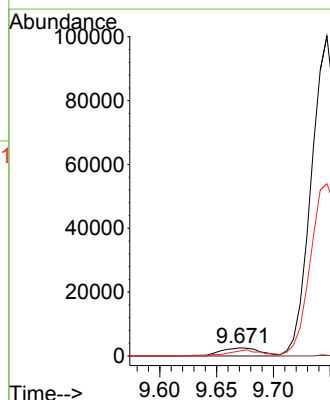
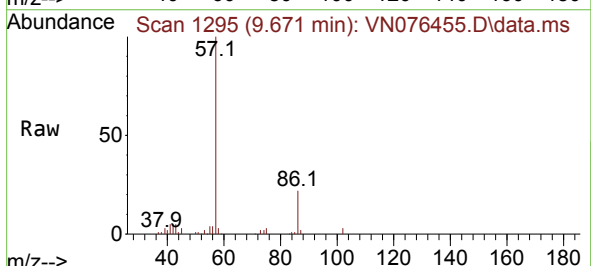
Tgt Ion: 41 Resp: 6214

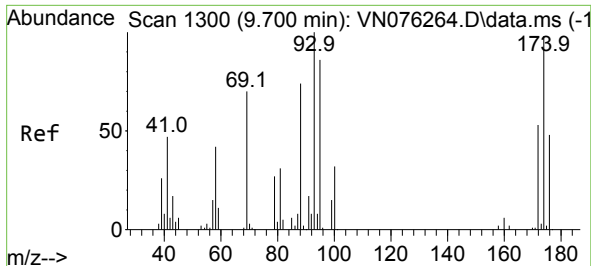
Ion Ratio Lower Upper

41 100

69 0.0 80.8 121.2#

39 60.7 54.4 81.6





#49

1,4-Dioxane

Concen: 2.504 ug/l

RT: 9.735 min Scan# 1306

Delta R.T. 0.035 min

Lab File: VN076455.D

Acq: 30 Jan 2023 14:29

Instrument :

MSVOA_N

ClientSampleId :

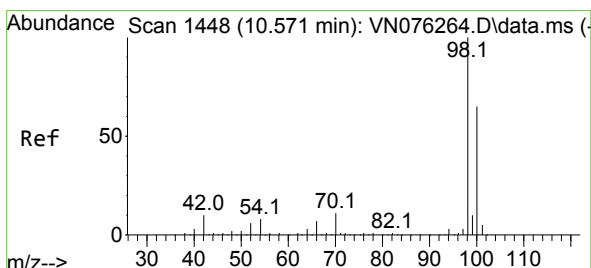
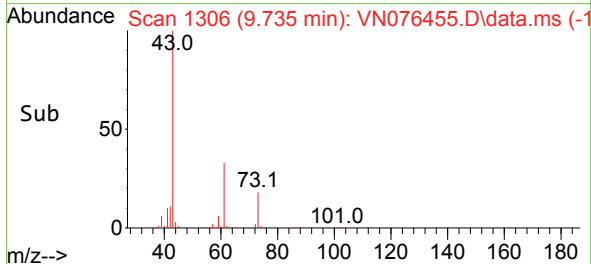
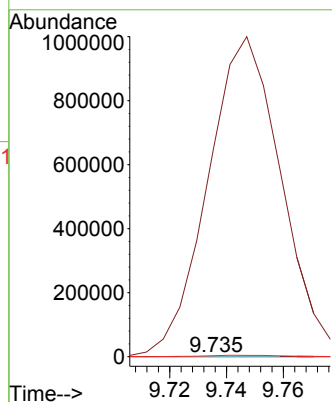
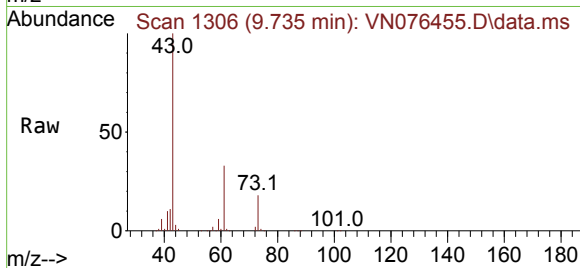
Tgt Ion: 88 Resp: 228

Ion Ratio Lower Upper

88 100

43 796796.9 18.1 27.1#

58 3800.4 46.5 69.7#



#50

Toluene-d8

Concen: 51.523 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076455.D

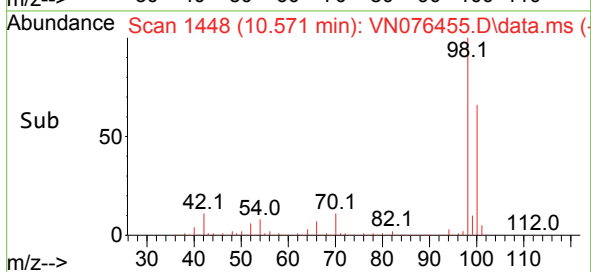
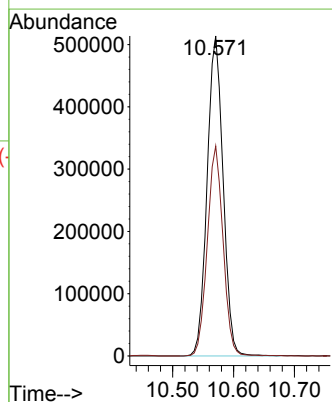
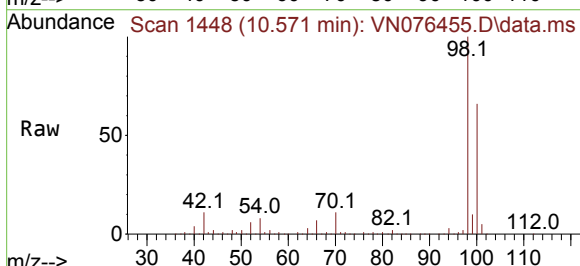
Acq: 30 Jan 2023 14:29

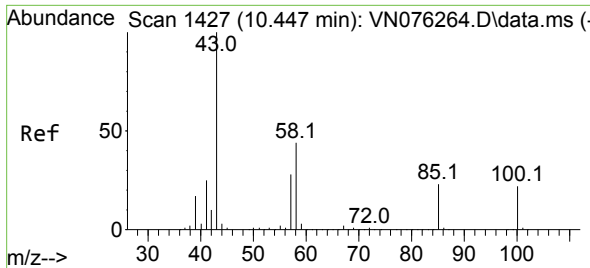
Tgt Ion: 98 Resp: 935422

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.4

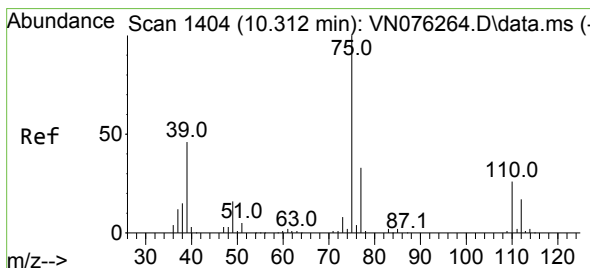
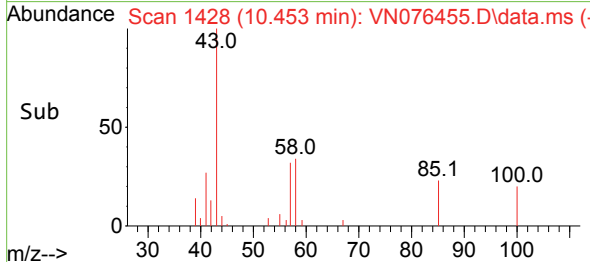
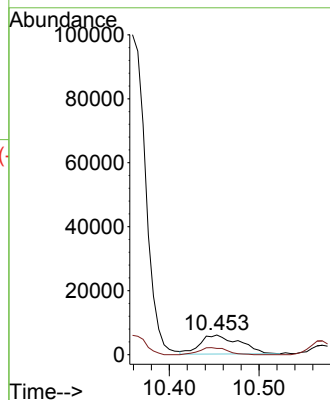
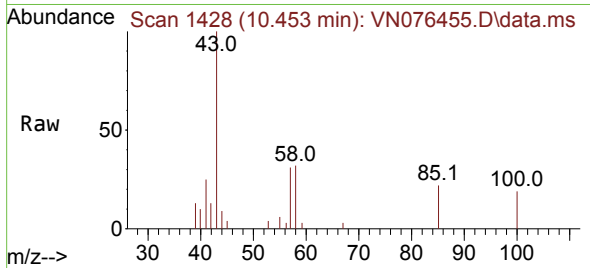




#51
4-Methyl-2-Pentanone
Concen: 3.422 ug/l
RT: 10.453 min Scan# 1413
Delta R.T. 0.006 min
Lab File: VN076455.D
Acq: 30 Jan 2023 14:29

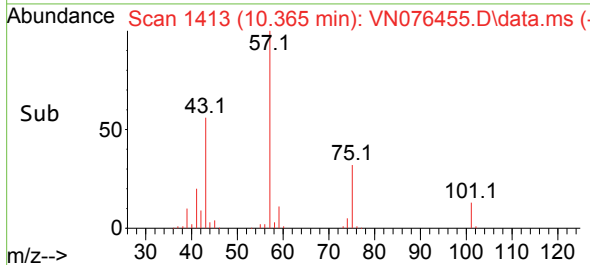
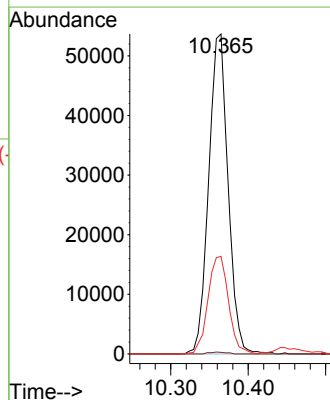
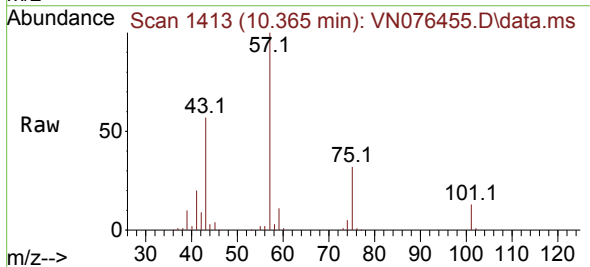
Instrument :
MSVOA_N
ClientSampleId :

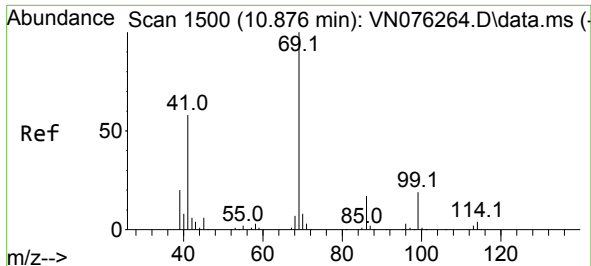
Tgt Ion: 43 Resp: 18313
Ion Ratio Lower Upper
43 100
58 26.3 35.1 52.7#



#54
cis-1,3-Dichloropropene
Concen: 11.612 ug/l
RT: 10.365 min Scan# 1413
Delta R.T. 0.053 min
Lab File: VN076455.D
Acq: 30 Jan 2023 14:29

Tgt Ion: 75 Resp: 93265
Ion Ratio Lower Upper
75 100
77 0.5 26.5 39.7#
39 30.5 37.1 55.7#

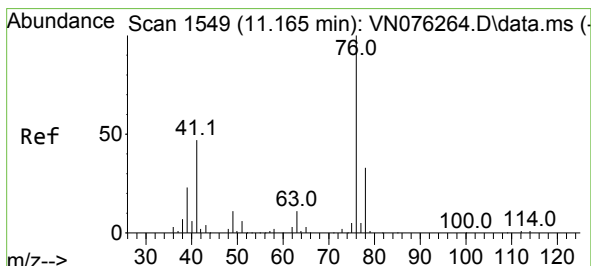
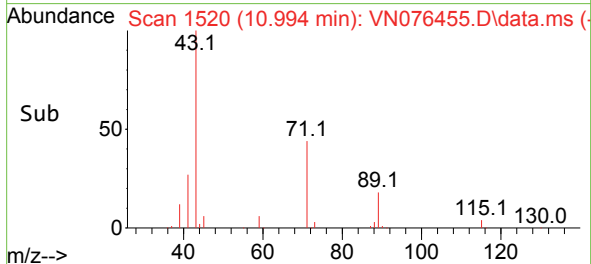
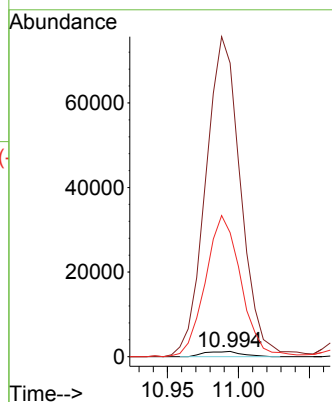
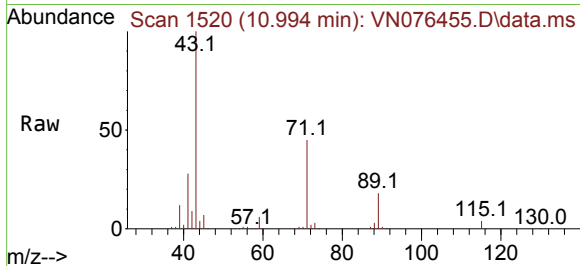




#56
Ethyl methacrylate
Concen: 0.331 ug/l
RT: 10.994 min Scan# 1556
Delta R.T. 0.118 min
Lab File: VN076455.D
Acq: 30 Jan 2023 14:29

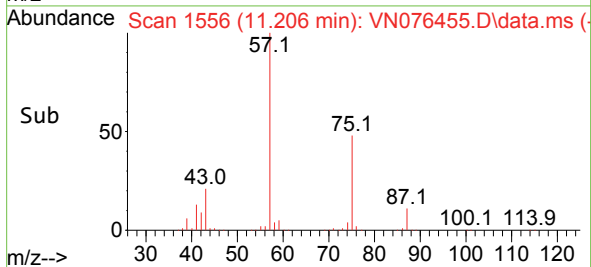
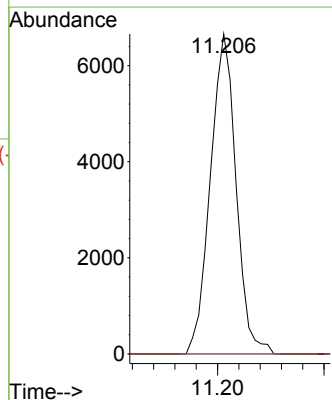
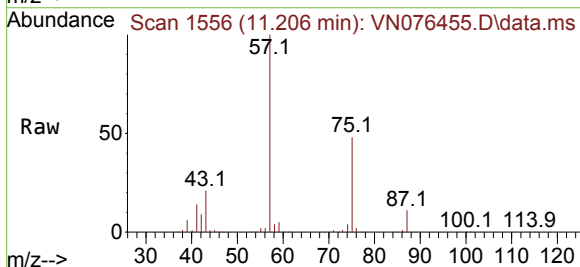
Instrument :
MSVOA_N
ClientSampleId :

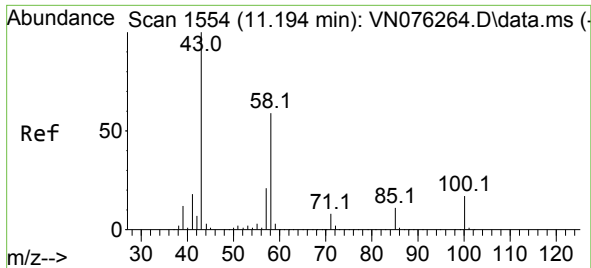
Tgt Ion: 69 Resp: 2285
Ion Ratio Lower Upper
69 100
41 5705.0 45.3 67.9#
39 2539.2 29.3 43.9#



#57
1,3-Dichloropropane
Concen: 1.284 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076455.D
Acq: 30 Jan 2023 14:29

Tgt Ion: 76 Resp: 11138
Ion Ratio Lower Upper
76 100
78 0.0 26.4 39.6#

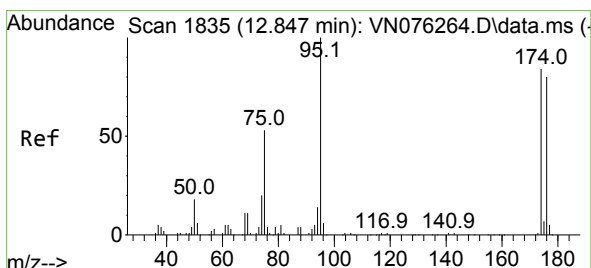
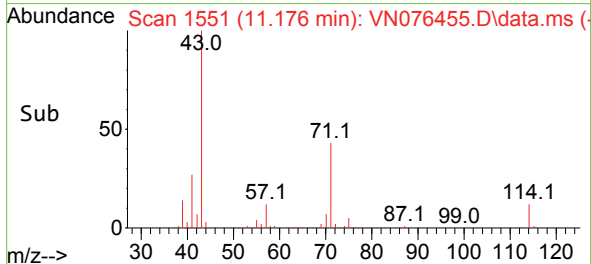
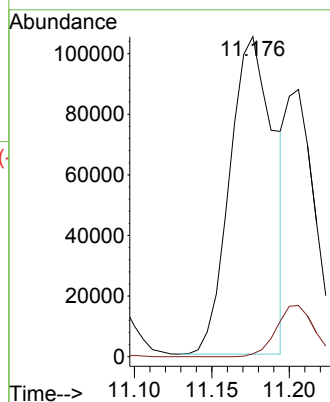
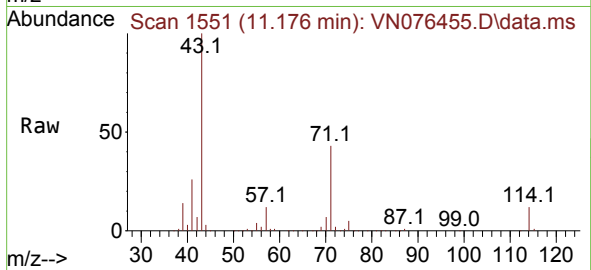




#59
2-Hexanone
Concen: 53.711 ug/l
RT: 11.176 min Scan# 1115
Delta R.T. -0.018 min
Lab File: VN076455.D
Acq: 30 Jan 2023 14:29

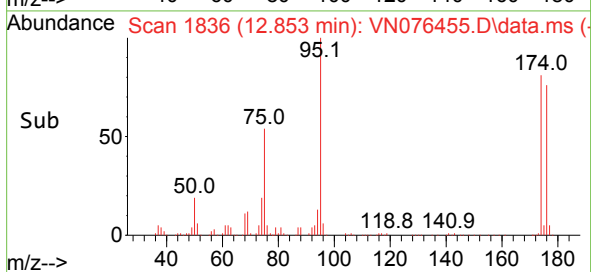
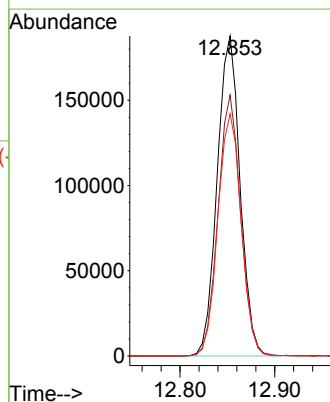
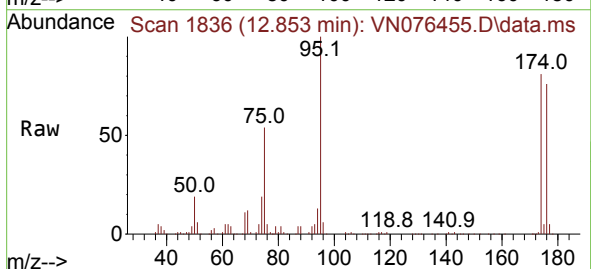
Instrument :
MSVOA_N
ClientSampleId :

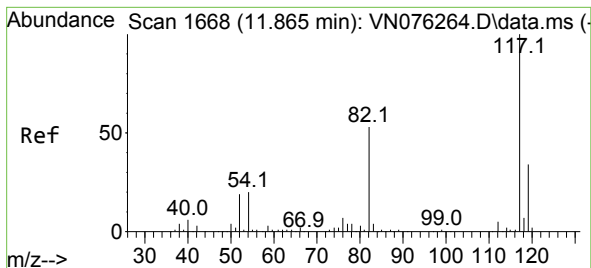
Tgt Ion: 43 Resp: 208266
Ion Ratio Lower Upper
43 100
58 0.0 30.1 90.3#



#62
4-Bromofluorobenzene
Concen: 53.233 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076455.D
Acq: 30 Jan 2023 14:29

Tgt Ion: 95 Resp: 315509
Ion Ratio Lower Upper
95 100
174 80.4 0.0 174.6
176 77.0 0.0 167.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN076455.D

Acq: 30 Jan 2023 14:29

Instrument :

MSVOA_N

ClientSampleId :

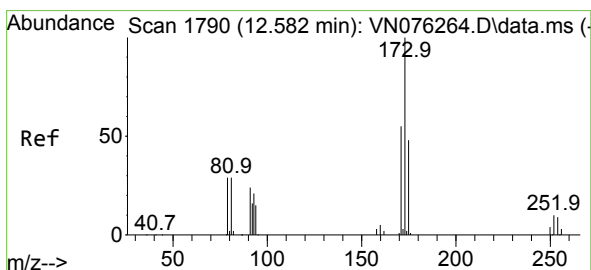
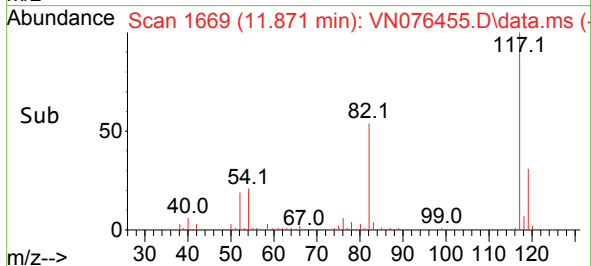
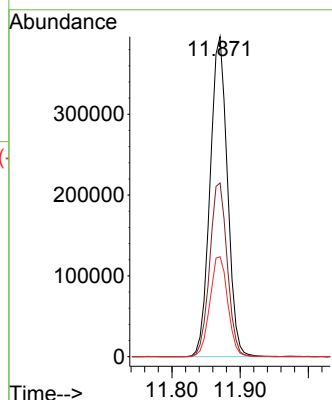
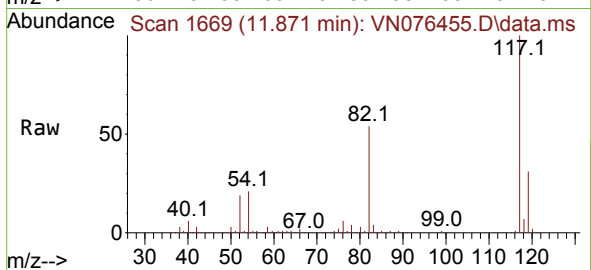
Tgt Ion:117 Resp: 701511

Ion Ratio Lower Upper

117 100

82 54.3 42.2 63.2

119 31.2 26.9 40.3



#71

Bromoform

Concen: 0.451 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. 0.265 min

Lab File: VN076455.D

Acq: 30 Jan 2023 14:29

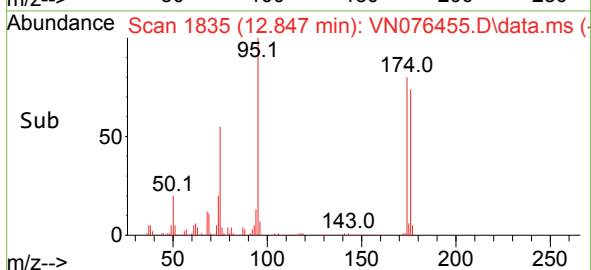
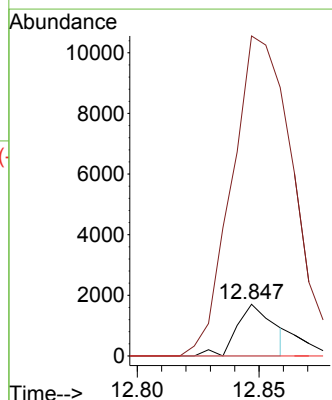
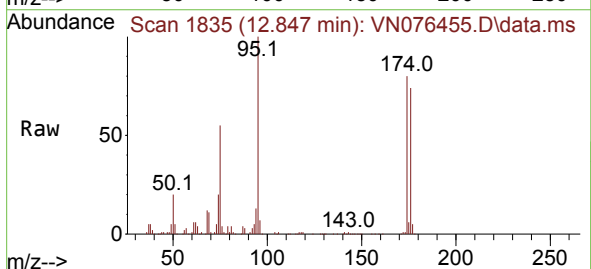
Tgt Ion:173 Resp: 1797

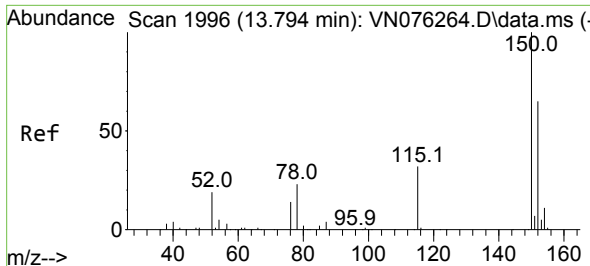
Ion Ratio Lower Upper

173 100

175 825.1 24.1 72.4#

254 0.0 0.0 0.0

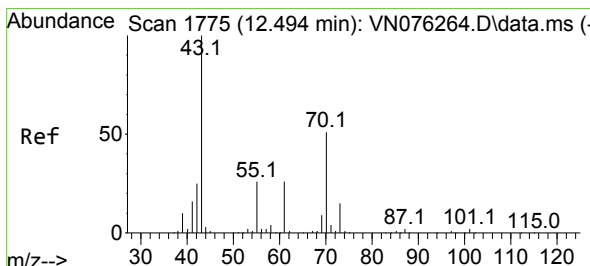
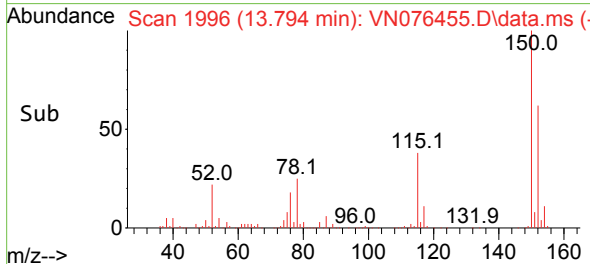
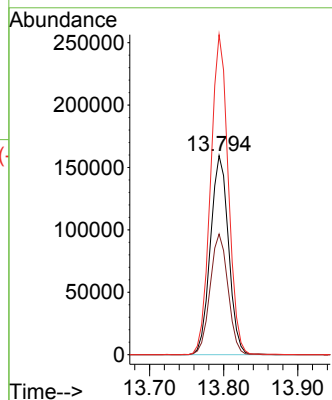
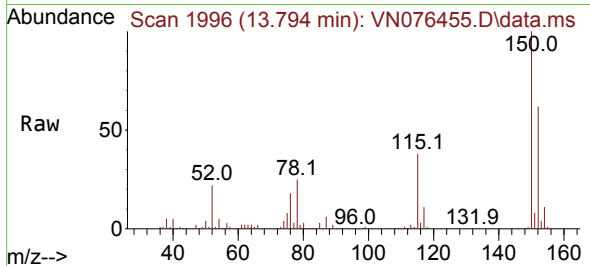




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076455.D
Acq: 30 Jan 2023 14:29

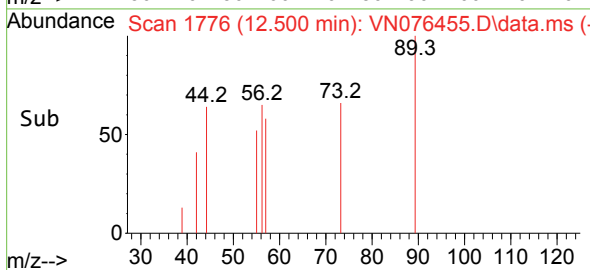
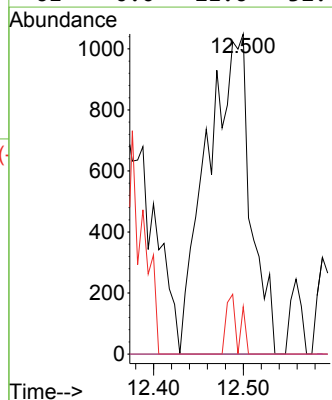
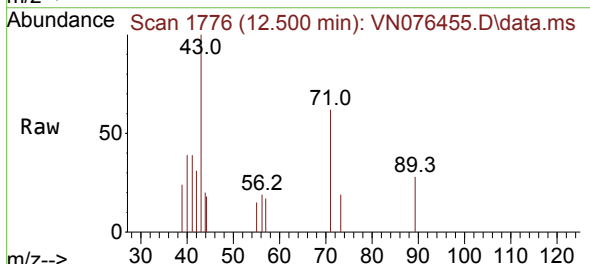
Instrument :
MSVOA_N
ClientSampleId :

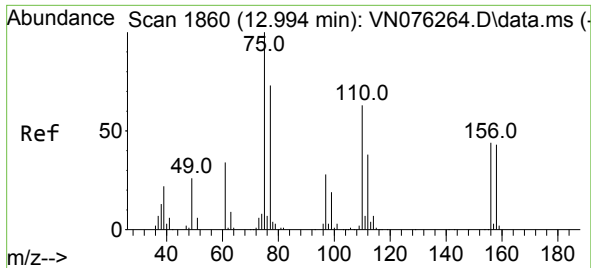
Tgt Ion:152 Resp: 270777
Ion Ratio Lower Upper
152 100
115 59.9 29.6 88.9
150 157.0 0.0 351.4



#74
N-ethyl acetate
Concen: 0.589 ug/l
RT: 12.500 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN076455.D
Acq: 30 Jan 2023 14:29

Tgt Ion: 43 Resp: 3548
Ion Ratio Lower Upper
43 100
70 0.0 41.2 61.8#
55 5.2 21.0 31.6#
61 0.0 21.6 32.4#

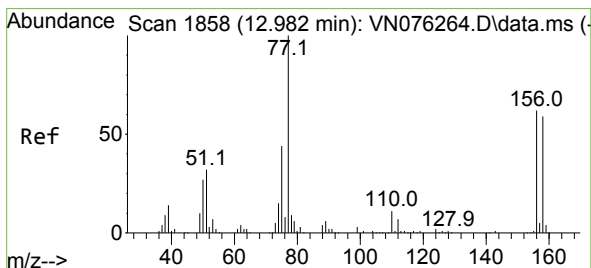
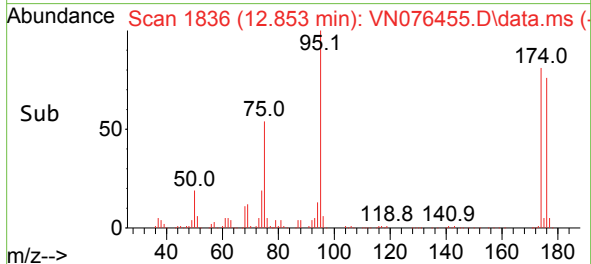
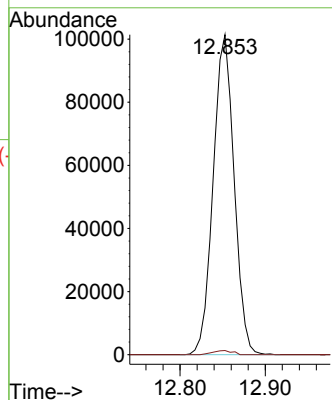
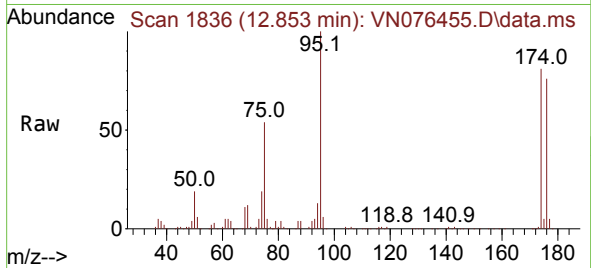




#76
1,2,3-Trichloropropane
Concen: 34.794 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076455.D
Acq: 30 Jan 2023 14:29

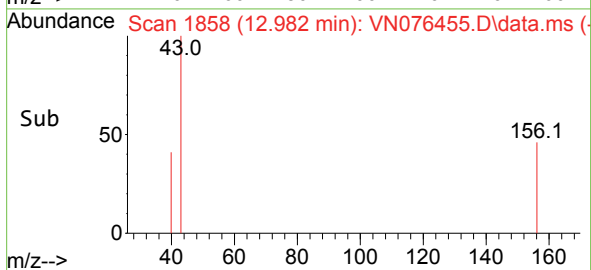
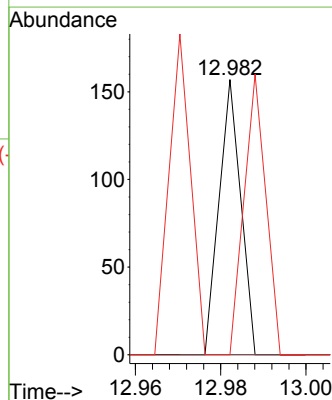
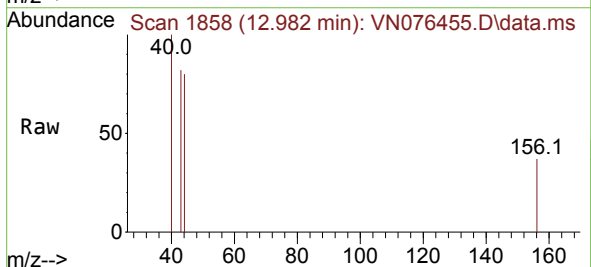
Instrument :
MSVOA_N
ClientSampleId :

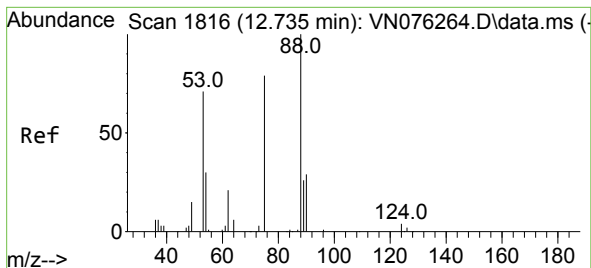
Tgt Ion: 75 Resp: 173054
Ion Ratio Lower Upper
75 100
77 1.2 75.2 225.6#



#77
Bromobenzene
Concen: Below Cal
RT: 12.982 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN076455.D
Acq: 30 Jan 2023 14:29

Tgt Ion:156 Resp: 55
Ion Ratio Lower Upper
156 100
77 0.0 93.4 280.2#
158 101.8 48.4 145.2

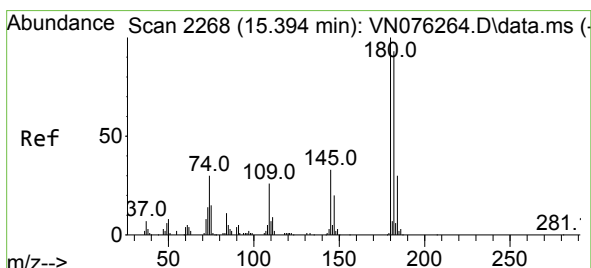
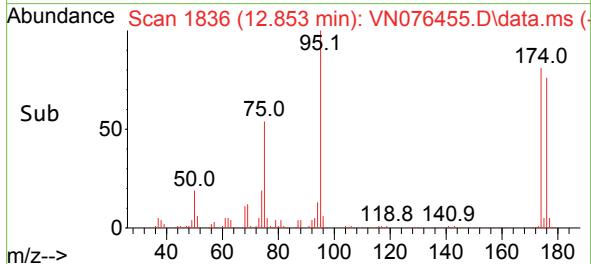
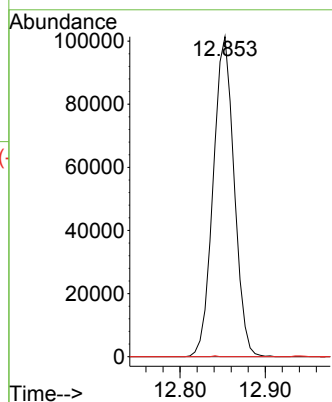
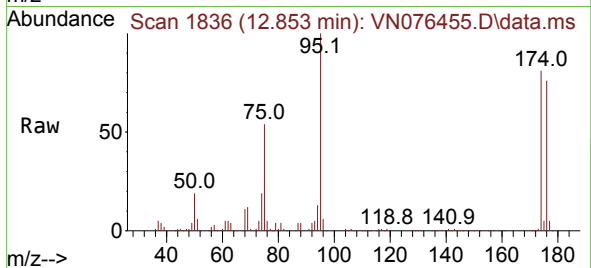




#81
trans-1,4-Dichloro-2-butene
Concen: 106.336 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076455.D
Acq: 30 Jan 2023 14:29

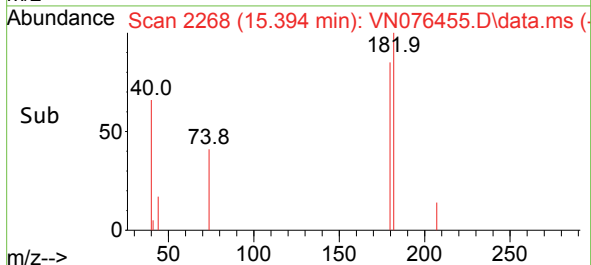
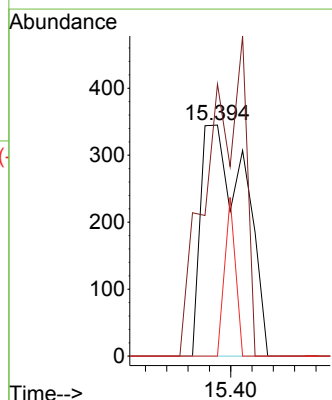
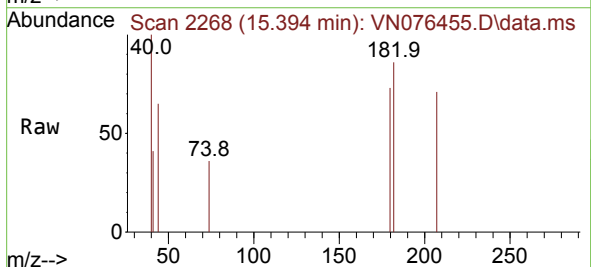
Instrument :
MSVOA_N
ClientSampleId :

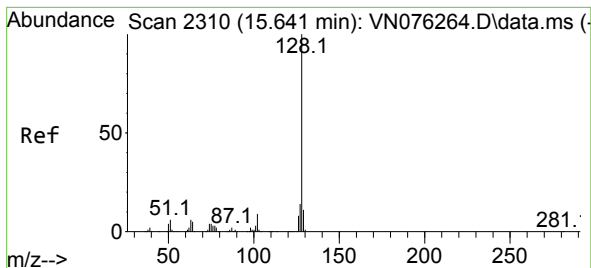
Tgt Ion: 75 Resp: 173054
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.1 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.406 ug/l
RT: 15.394 min Scan# 2268
Delta R.T. -0.000 min
Lab File: VN076455.D
Acq: 30 Jan 2023 14:29

Tgt Ion:180 Resp: 493
Ion Ratio Lower Upper
180 100
182 114.0 47.0 141.2
145 17.0 15.2 45.5





#95

Naphthalene

Concen: 1.992 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN076455.D

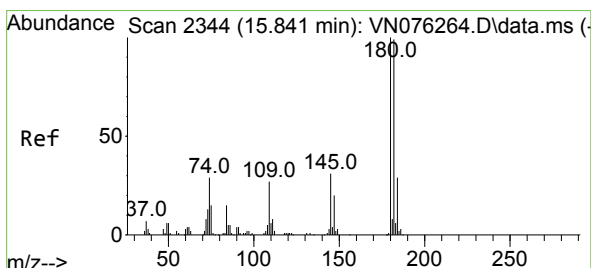
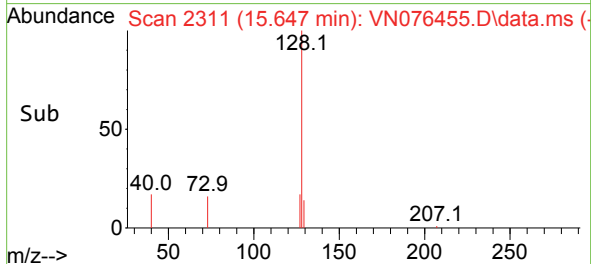
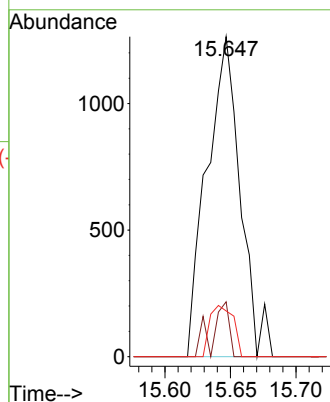
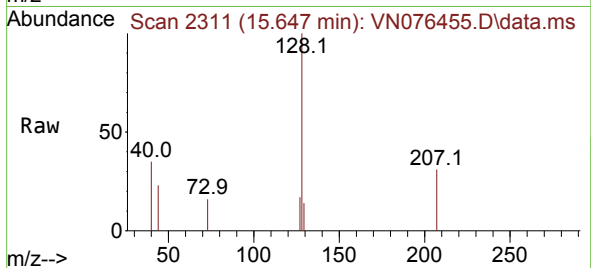
Acq: 30 Jan 2023 14:29

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	2232
Ion	Ratio	Lower Upper
128	100	
127	8.7	10.3 15.5#
129	11.2	8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 1.264 ug/l

RT: 15.841 min Scan# 2344

Delta R.T. -0.000 min

Lab File: VN076455.D

Acq: 30 Jan 2023 14:29

Tgt Ion:180	Resp:	509
Ion	Ratio	Lower Upper
180	100	
182	17.1	47.5 142.5#
145	0.0	15.9 47.6#

