

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
 Data File : VN078060.D
 Acq On : 05 Jun 2023 21:32
 Operator : JC\MD
 Sample : 03029-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-8

Quant Time: Jun 06 02:08:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

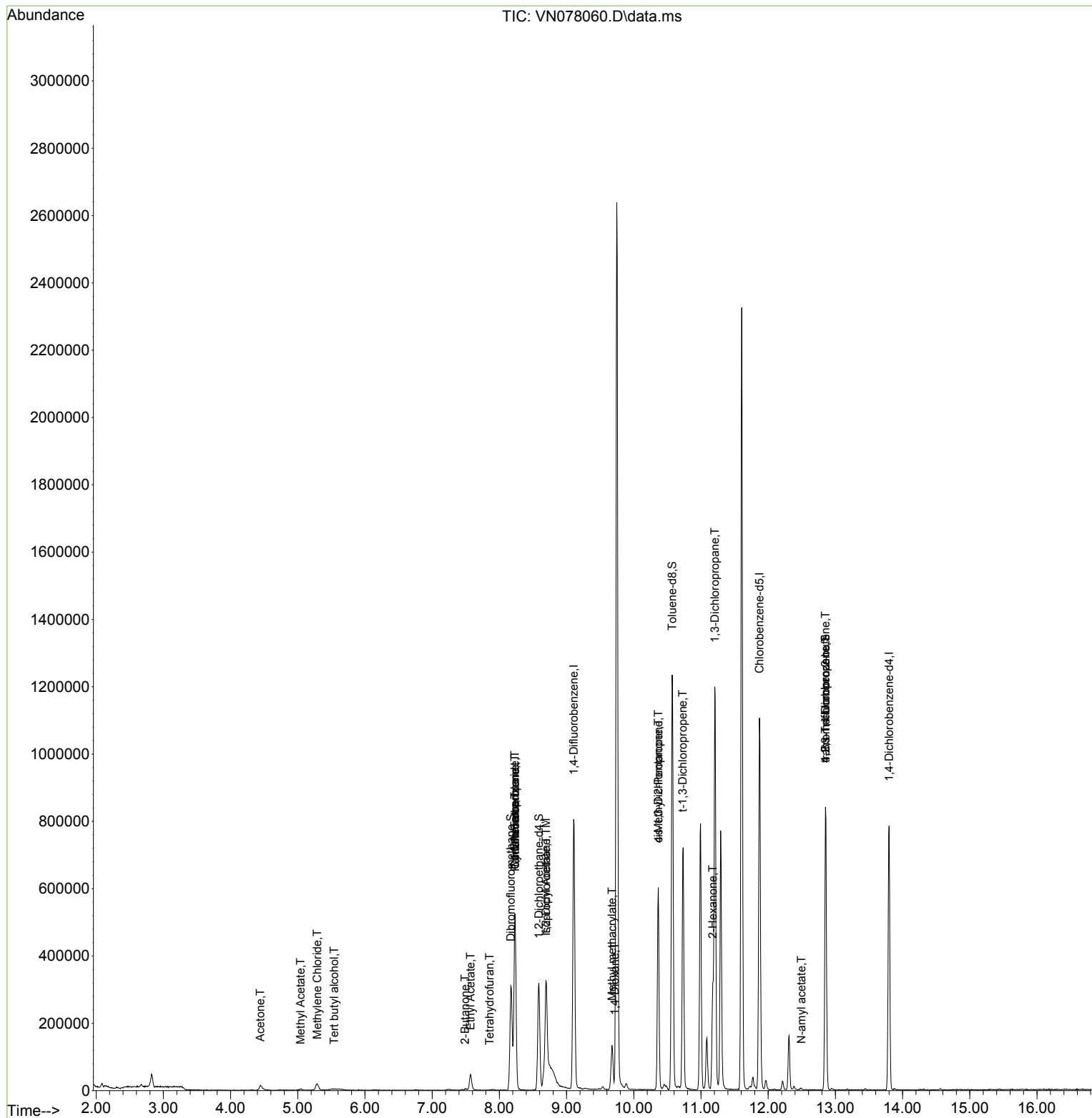
Internal Standards						
1) Pentafluorobenzene	8.235	168	377182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	715467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	659700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	219211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	262318	46.481	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.960%		
35) Dibromofluoromethane	8.171	113	226117	48.466	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.940%		
50) Toluene-d8	10.571	98	901763	50.216	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.440%		
62) 4-Bromofluorobenzene	12.853	95	293856	46.333	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.660%		
Target Compounds						Qvalue
3) Chloromethane	2.377	50	961	Below Cal		99
11) Tert butyl alcohol	5.542	59	814	1.045 ug/l #		72
13) Acrolein	4.195	56	87	Below Cal #		1
16) Acetone	4.442	43	25771	14.514 ug/l		94
18) Methyl Acetate	5.042	43	7281	0.977 ug/l #		65
20) Methylene Chloride	5.289	84	14602	1.233 ug/l #		91
25) 2-Butanone	7.488	43	6376	2.296 ug/l #		72
29) Tetrahydrofuran	7.853	42	1331	0.732 ug/l #		32
31) Cyclohexane	8.230	56	9786	1.276 ug/l #		27
36) 1,1-Dichloropropene	8.230	75	31018	4.545 ug/l #		48
37) Ethyl Acetate	7.571	43	67552	11.106 ug/l #		96
38) Carbon Tetrachloride	8.230	117	42175	6.120 ug/l #		15
42) 1,2-Dichloroethane	8.694	62	2256	0.308 ug/l #		73
43) Isopropyl Acetate	8.694	43	540066	54.361 ug/l #		70
48) Methyl methacrylate	9.677	41	7583	1.610 ug/l #		34
49) 1,4-Dioxane	9.718	88	103	1.158 ug/l #		30
51) 4-Methyl-2-Pentanone	10.365	43	209516	35.479 ug/l #		41
53) t-1,3-Dichloropropene	10.729	75	2327	0.312 ug/l #		83
54) cis-1,3-Dichloropropene	10.365	75	110269	13.428 ug/l #		68
57) 1,3-Dichloropropane	11.206	76	13609	1.595 ug/l #		43
59) 2-Hexanone	11.176	43	239023	54.722 ug/l #		19
74) N-amyl acetate	12.494	43	1792	0.257 ug/l #		39
76) 1,2,3-Trichloropropane	12.853	75	161356	29.392 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	161356	93.951 ug/l #		15

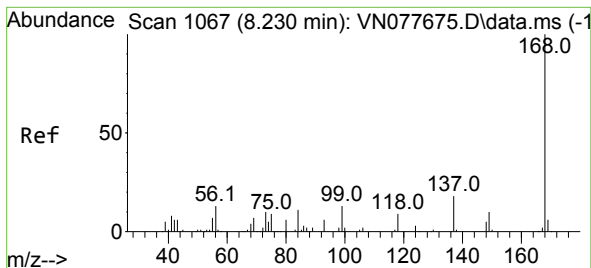
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN078060.D

Acq: 05 Jun 2023 21:32

Instrument :

MSVOA_N

ClientSampleId :

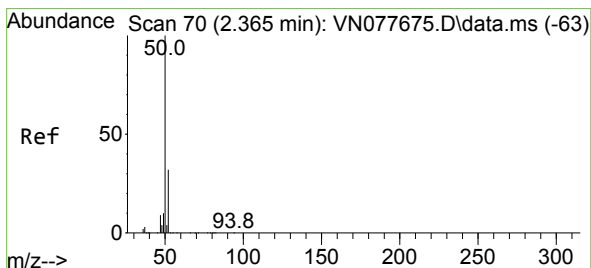
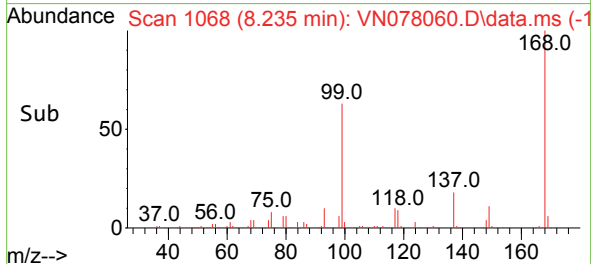
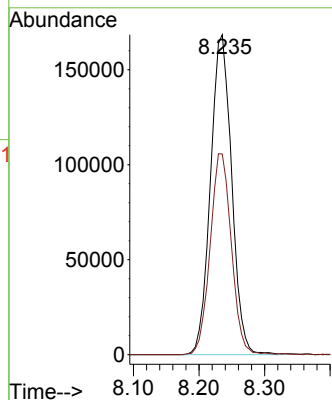
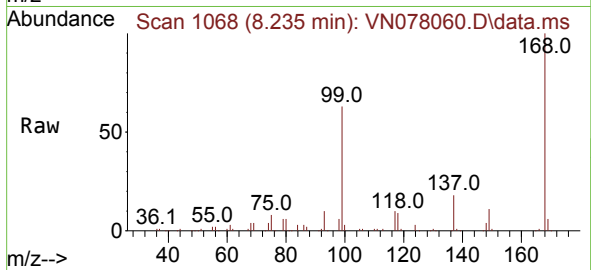
TP-8

Tgt Ion:168 Resp: 377182

Ion Ratio Lower Upper

168 100

99 62.7 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.377 min Scan# 72

Delta R.T. 0.012 min

Lab File: VN078060.D

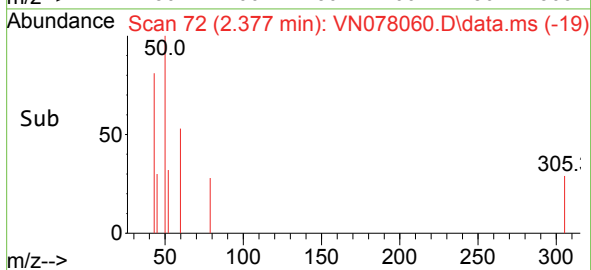
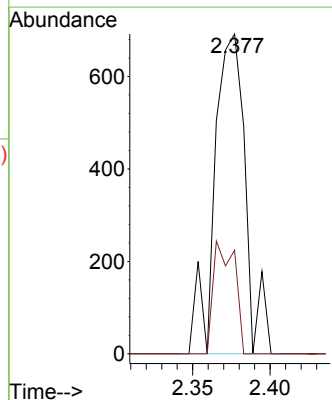
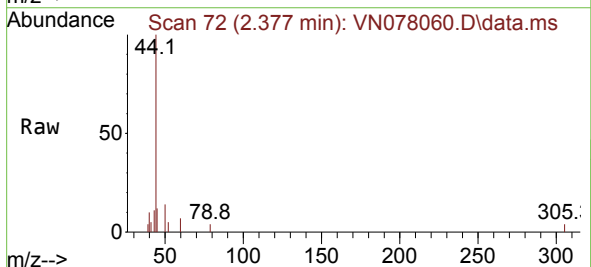
Acq: 05 Jun 2023 21:32

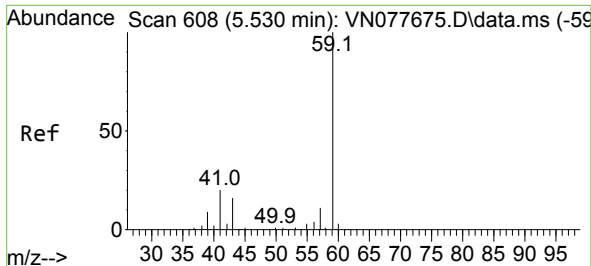
Tgt Ion: 50 Resp: 961

Ion Ratio Lower Upper

50 100

52 32.4 26.5 39.7





#11

Tert butyl alcohol

Concen: 1.045 ug/l

RT: 5.542 min Scan# 61

Delta R.T. 0.012 min

Lab File: VN078060.D

Acq: 05 Jun 2023 21:32

Instrument :

MSVOA_N

ClientSampleId :

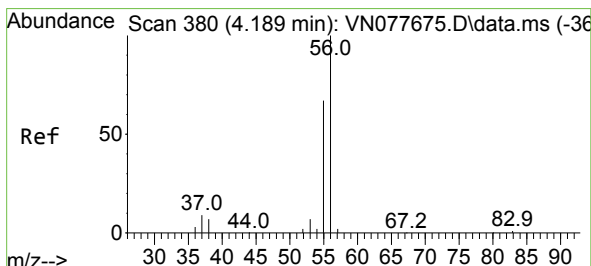
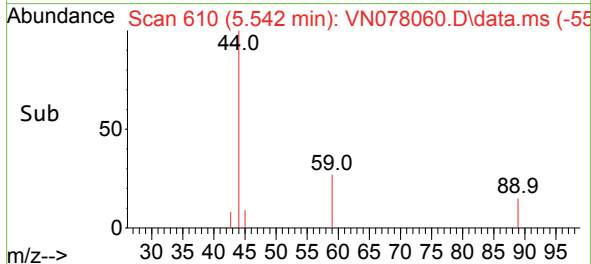
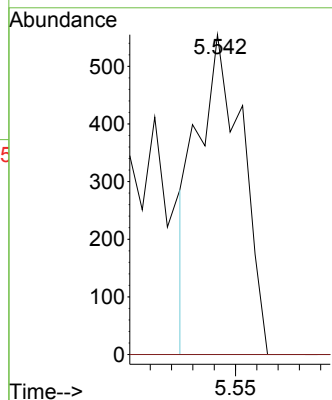
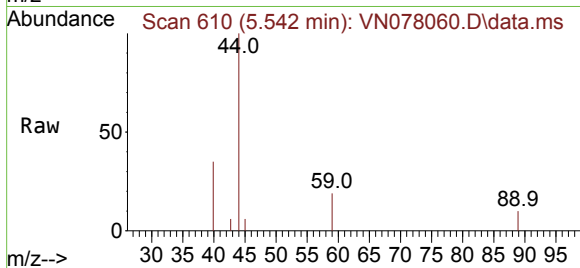
TP-8

Tgt Ion: 59 Resp: 814

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: Below Cal

RT: 4.195 min Scan# 381

Delta R.T. 0.006 min

Lab File: VN078060.D

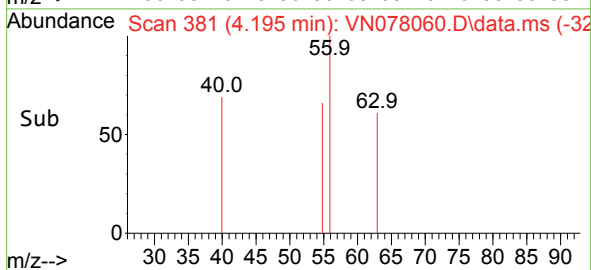
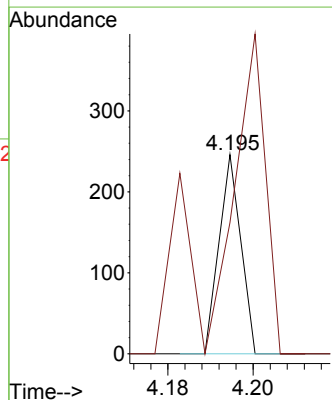
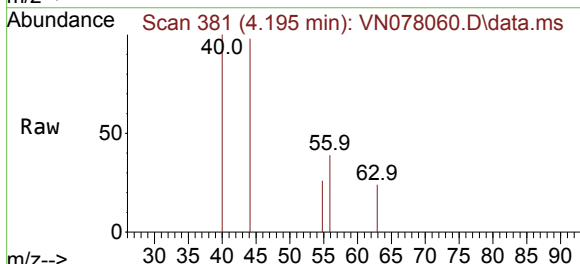
Acq: 05 Jun 2023 21:32

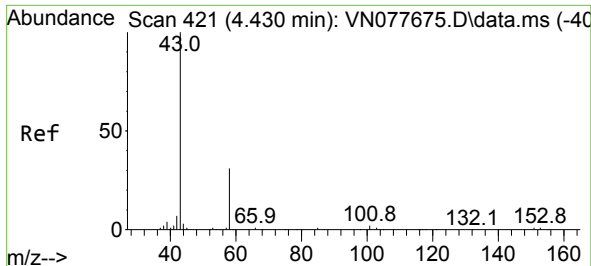
Tgt Ion: 56 Resp: 87

Ion Ratio Lower Upper

56 100

55 316.1 54.5 81.7#

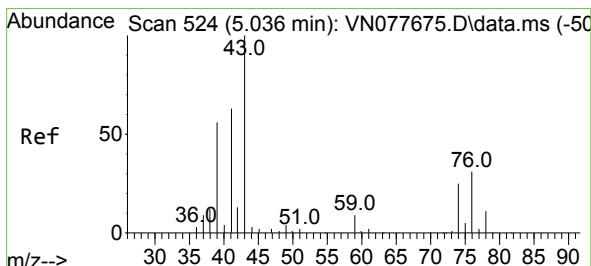
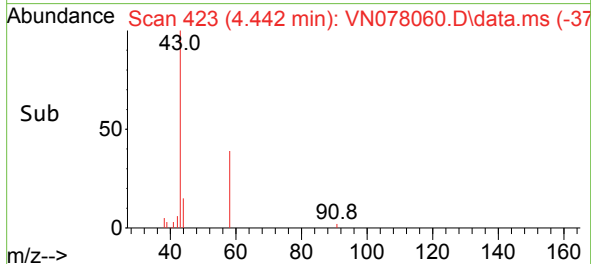
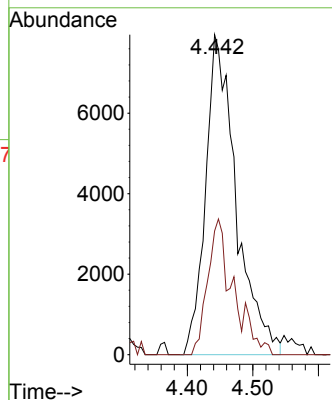
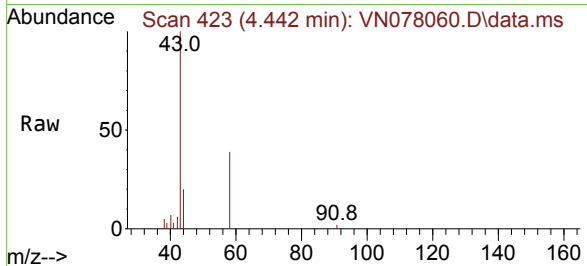




#16
Acetone
Concen: 14.514 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN078060.D
Acq: 05 Jun 2023 21:32

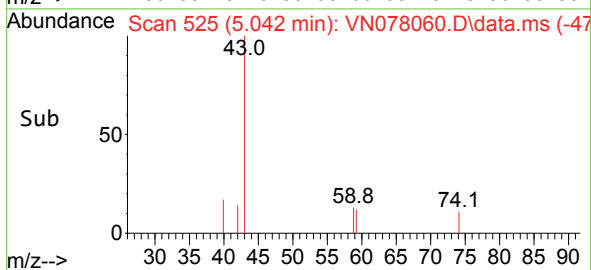
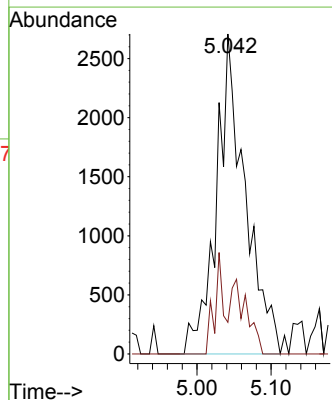
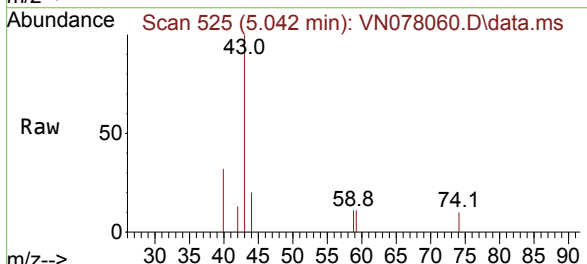
Instrument :
MSVOA_N
ClientSampleId :
TP-8

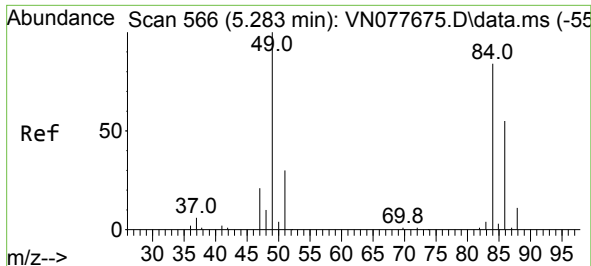
Tgt Ion: 43 Resp: 25771
Ion Ratio Lower Upper
43 100
58 38.7 28.0 42.0



#18
Methyl Acetate
Concen: 0.977 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.006 min
Lab File: VN078060.D
Acq: 05 Jun 2023 21:32

Tgt Ion: 43 Resp: 7281
Ion Ratio Lower Upper
43 100
74 12.8 26.2 39.4#

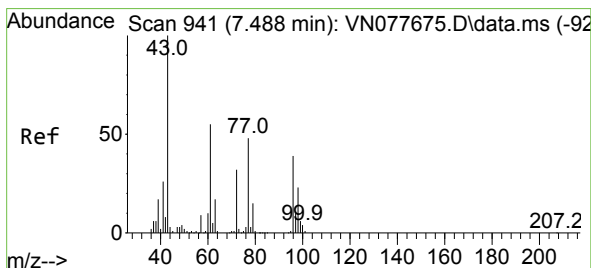
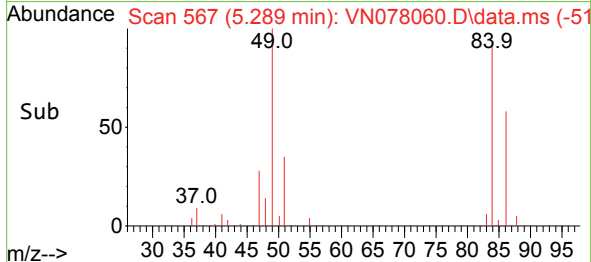
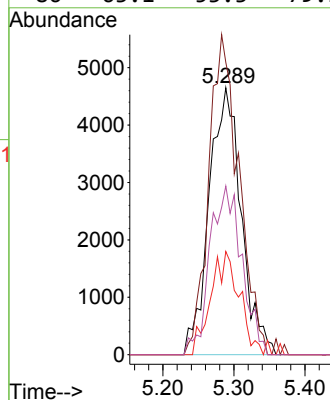
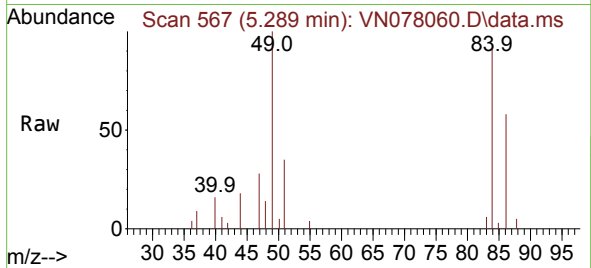




#20
Methylene Chloride
Concen: 1.233 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078060.D
Acq: 05 Jun 2023 21:32

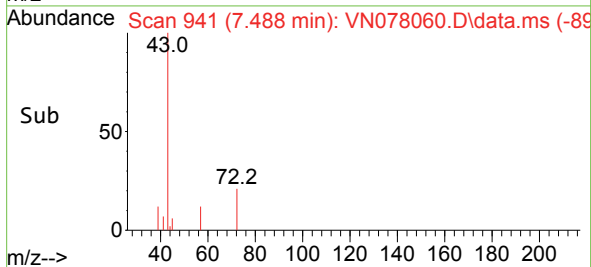
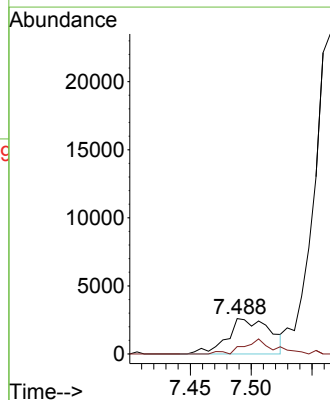
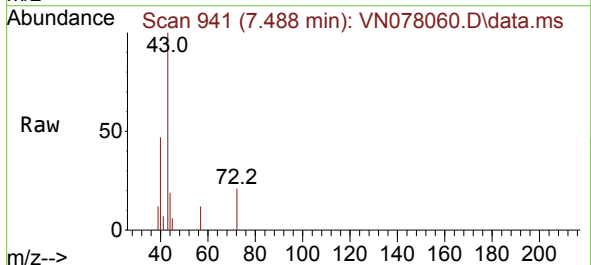
Instrument :
MSVOA_N
ClientSampleId :
TP-8

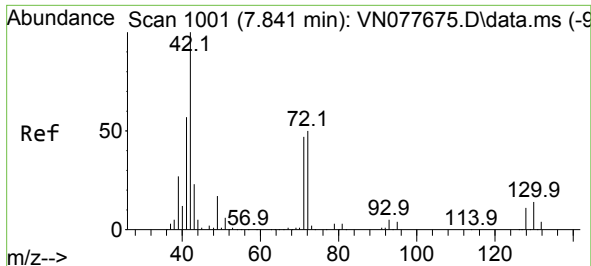
Tgt Ion: 84	Resp: 14602
Ion Ratio	Lower Upper
84 100	
49 109.5	79.7 119.5
51 38.7	25.2 37.8#
86 63.1	53.3 79.9



#25
2-Butanone
Concen: 2.296 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN078060.D
Acq: 05 Jun 2023 21:32

Tgt Ion: 43	Resp: 6376
Ion Ratio	Lower Upper
43 100	
72 20.6	30.2 45.2#





#29

Tetrahydrofuran

Concen: 0.732 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.012 min

Lab File: VN078060.D

Acq: 05 Jun 2023 21:32

Instrument :

MSVOA_N

ClientSampleId :

TP-8

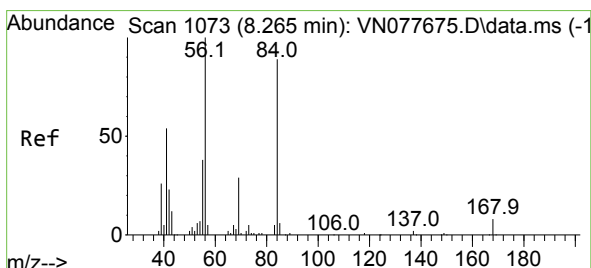
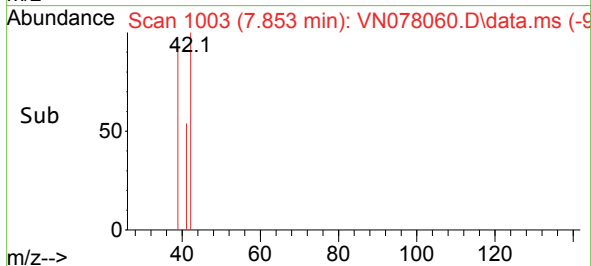
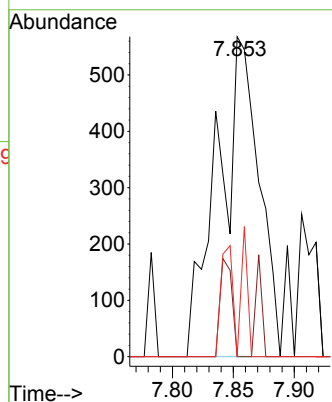
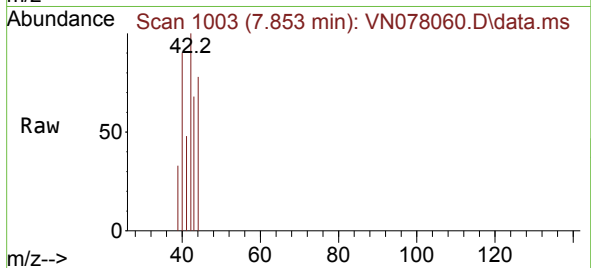
Tgt Ion: 42 Resp: 1331

Ion Ratio Lower Upper

42 100

72 8.6 49.8 74.6#

71 10.1 47.4 71.2#



#31

Cyclohexane

Concen: 1.276 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN078060.D

Acq: 05 Jun 2023 21:32

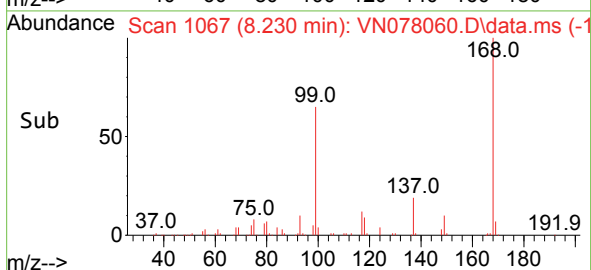
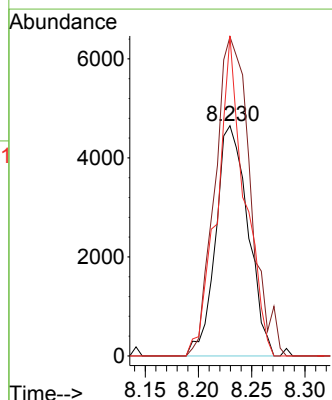
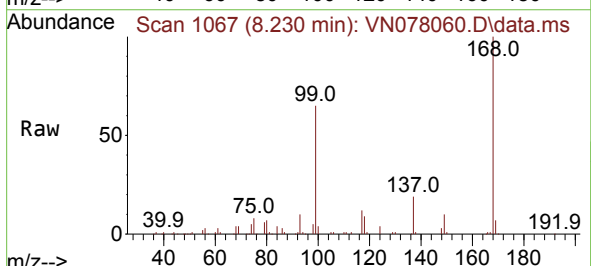
Tgt Ion: 56 Resp: 9786

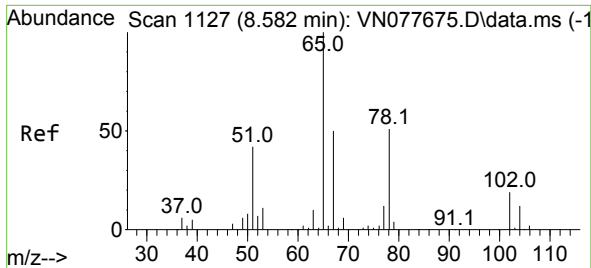
Ion Ratio Lower Upper

56 100

69 138.7 26.8 40.2#

84 139.0 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 46.481 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078060.D

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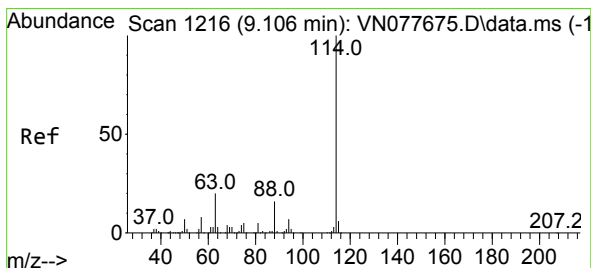
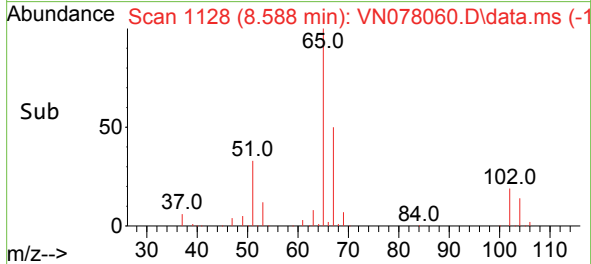
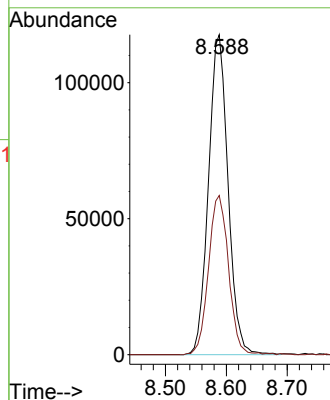
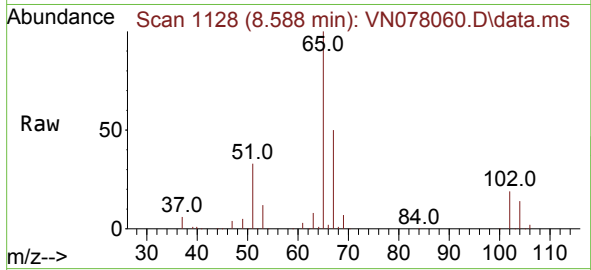
TP-8

Tgt Ion: 65 Resp: 262318

Ion Ratio Lower Upper

65 100

67 51.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN078060.D

Acq: 05 Jun 2023 21:32

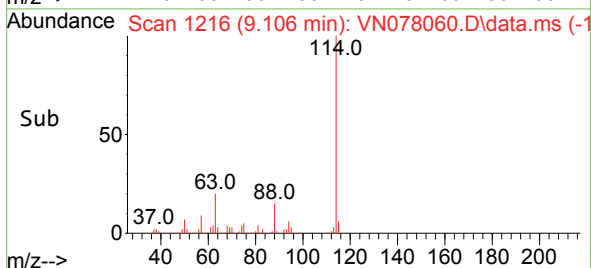
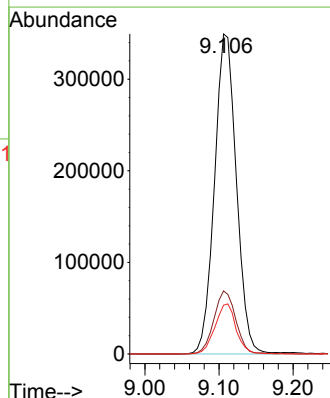
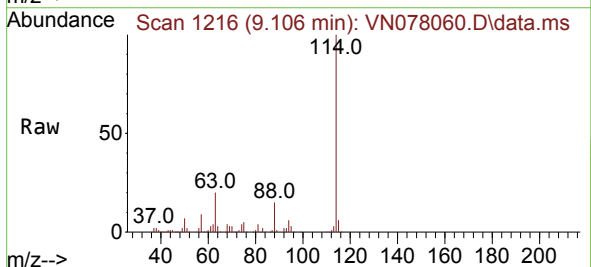
Tgt Ion: 114 Resp: 715467

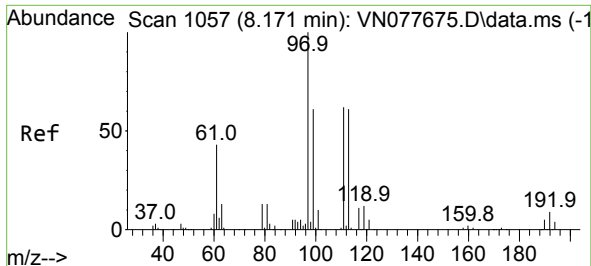
Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.4

88 15.3 0.0 30.6

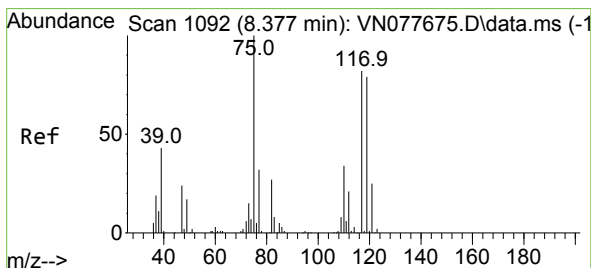
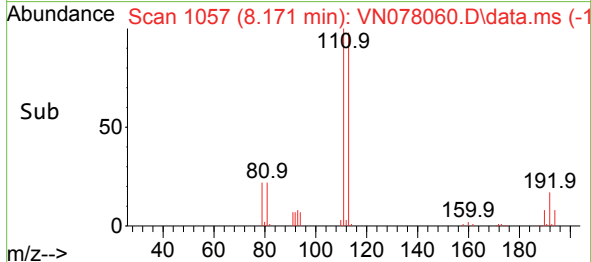
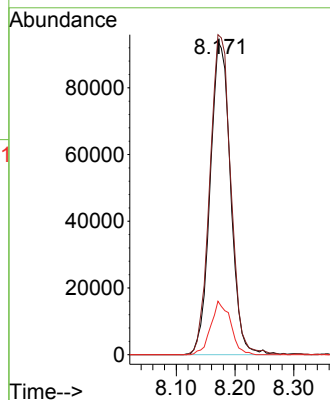
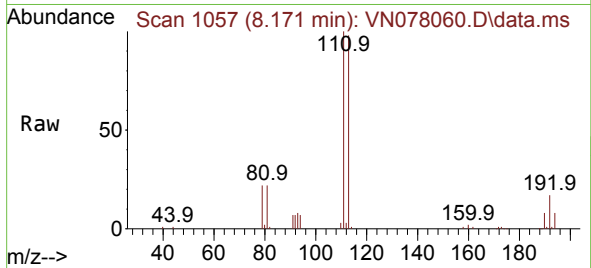




#35
Dibromofluoromethane
Concen: 48.466 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN078060.D
Acq: 05 Jun 2023 21:32

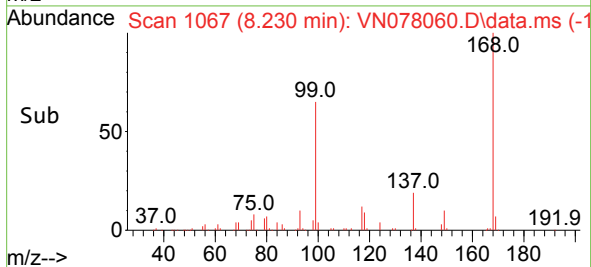
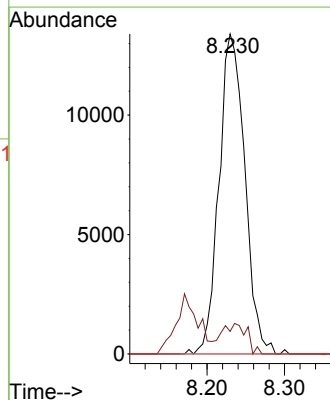
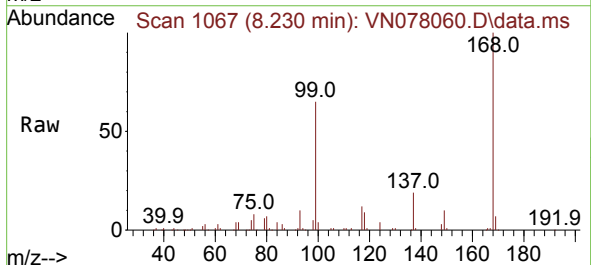
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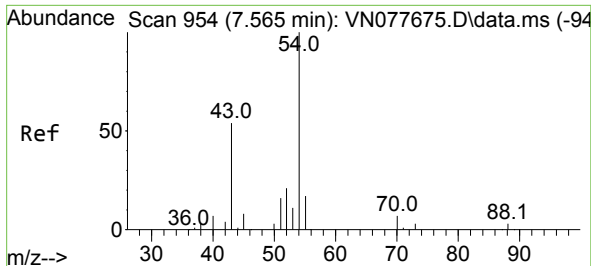
Tgt Ion:113 Resp: 226117
Ion Ratio Lower Upper
113 100
111 105.2 82.6 123.8
192 16.5 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.545 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078060.D
Acq: 05 Jun 2023 21:32

Tgt Ion: 75 Resp: 31018
Ion Ratio Lower Upper
75 100
110 9.4 19.1 57.3#
77 0.0 25.0 37.4#

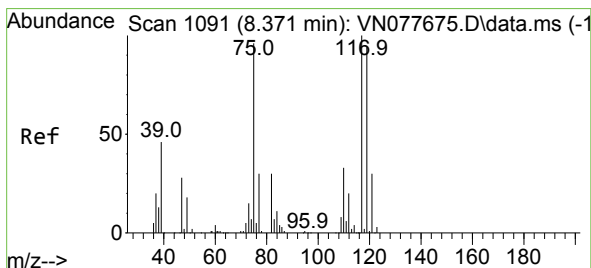
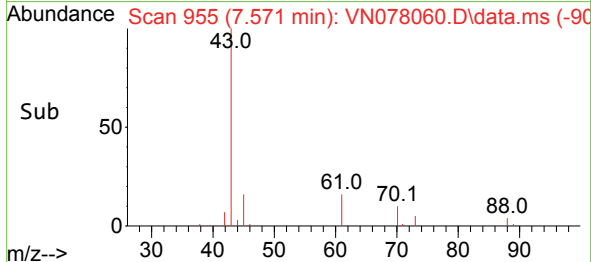
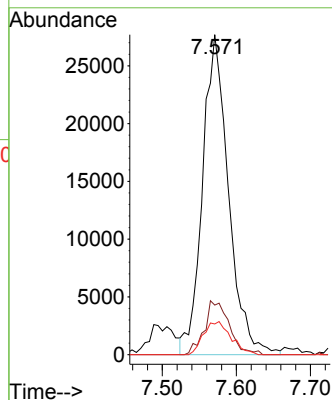
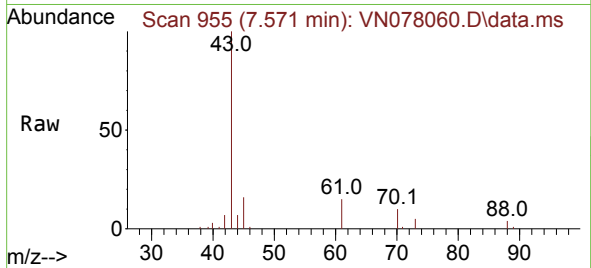




#37
Ethyl Acetate
Concen: 11.106 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN078060.D
Acq: 05 Jun 2023 21:32

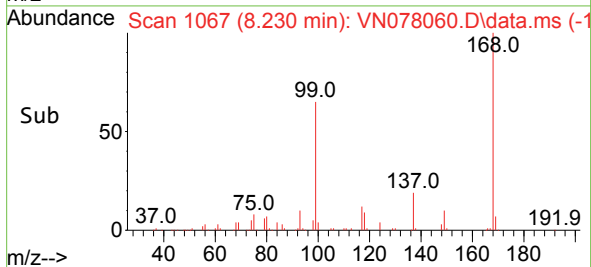
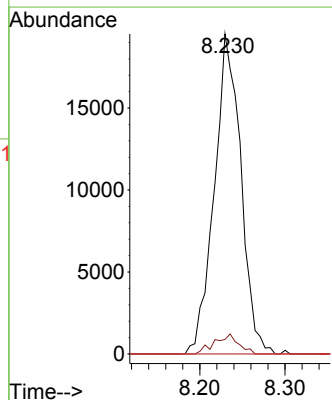
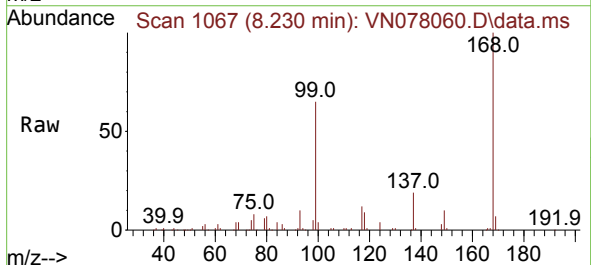
Instrument :
MSVOA_N
ClientSampleId :
TP-8

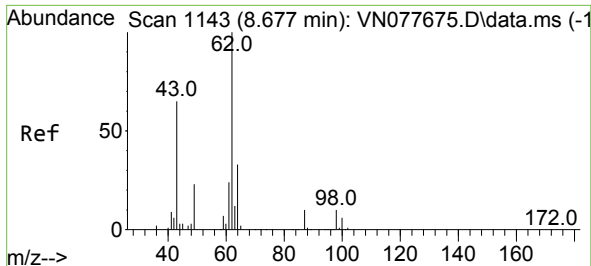
Tgt Ion: 43 Resp: 67552
Ion Ratio Lower Upper
43 100
61 16.1 13.2 19.8
70 11.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 6.120 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN078060.D
Acq: 05 Jun 2023 21:32

Tgt Ion: 117 Resp: 42175
Ion Ratio Lower Upper
117 100
119 4.6 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.308 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.017 min

Lab File: VN078060.D

Acq: 05 Jun 2023 21:32

Instrument :

MSVOA_N

ClientSampleId :

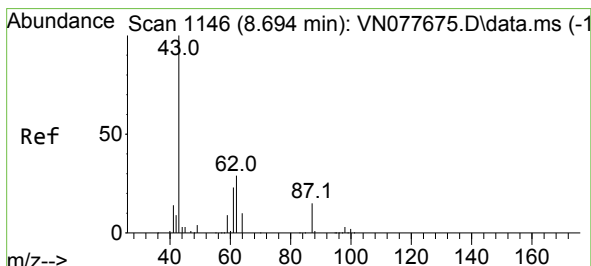
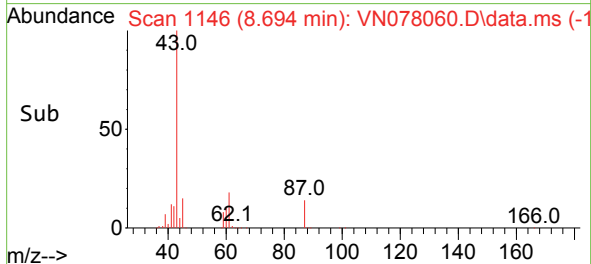
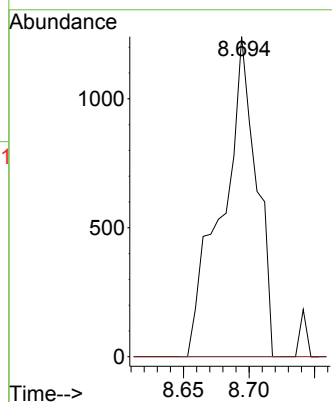
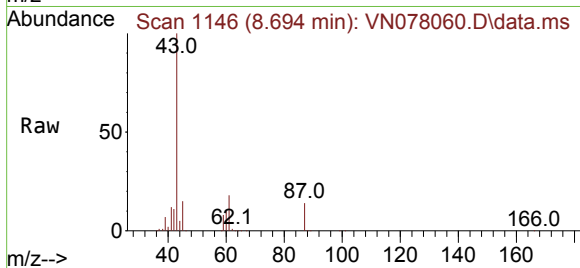
TP-8

Tgt Ion: 62 Resp: 2256

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 54.361 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN078060.D

Acq: 05 Jun 2023 21:32

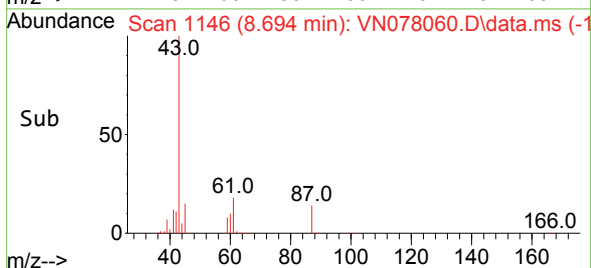
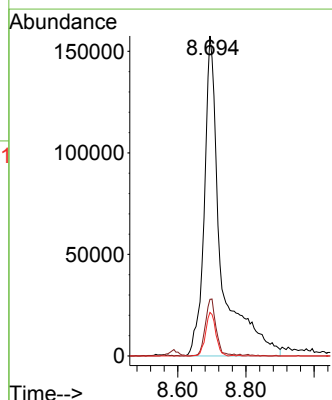
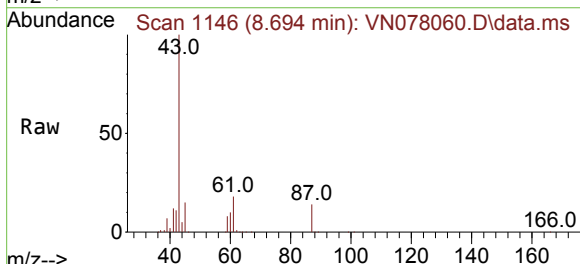
Tgt Ion: 43 Resp: 540066

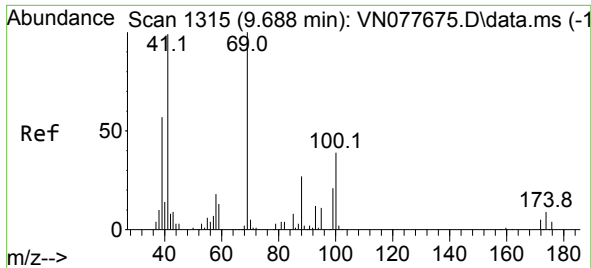
Ion Ratio Lower Upper

43 100

61 11.6 24.7 37.1#

87 8.3 14.6 21.8#

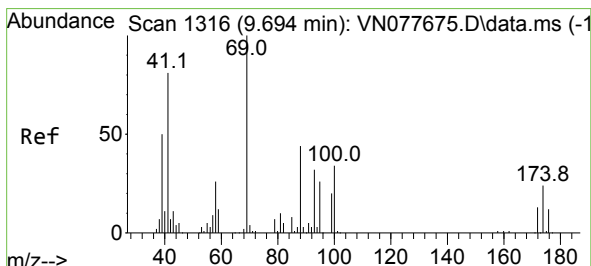
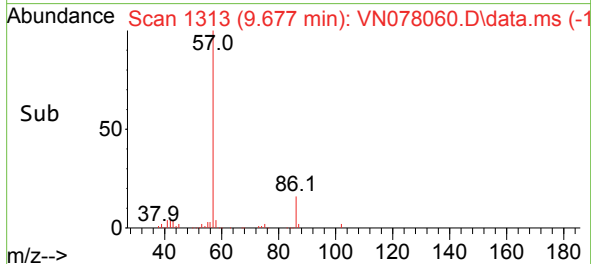
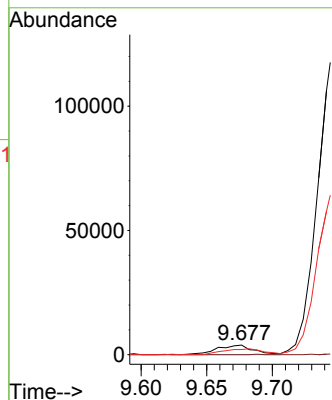
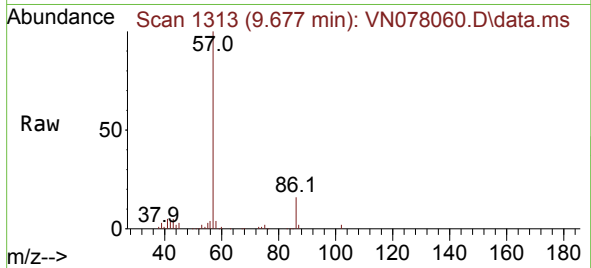




#48
Methyl methacrylate
Concen: 1.610 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN078060.D
Acq: 05 Jun 2023 21:32

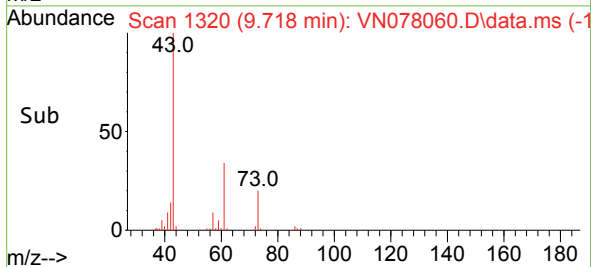
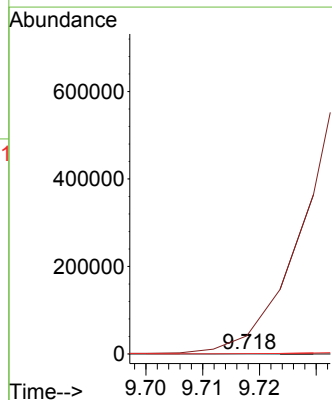
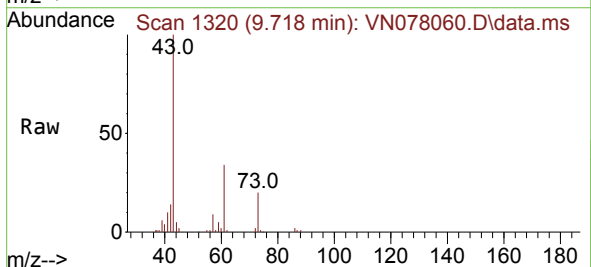
Instrument :
MSVOA_N
ClientSampleId :
TP-8

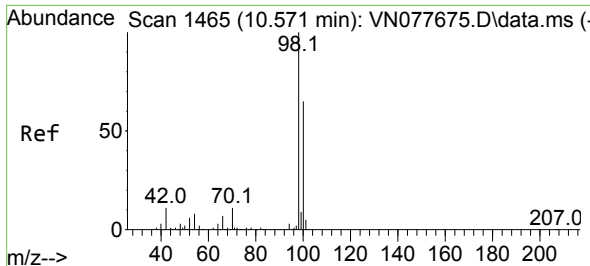
Tgt Ion: 41 Resp: 7583
Ion Ratio Lower Upper
41 100
69 1.0 90.4 135.6#
39 66.5 54.6 81.8



#49
1,4-Dioxane
Concen: 1.158 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. 0.024 min
Lab File: VN078060.D
Acq: 05 Jun 2023 21:32

Tgt Ion: 88 Resp: 103
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 47.0 70.4#

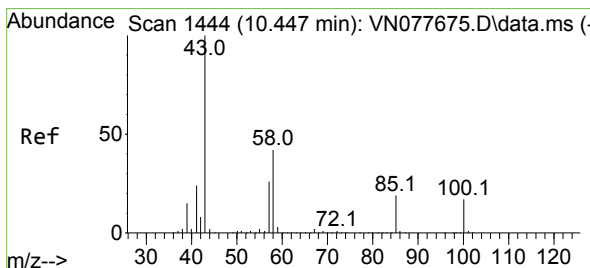
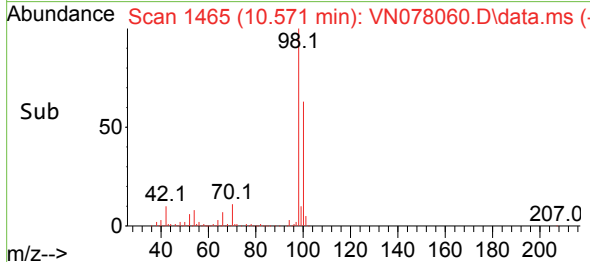
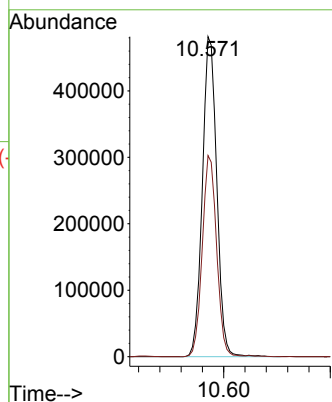
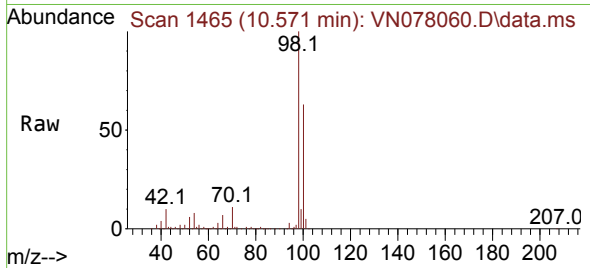




#50
Toluene-d8
Concen: 50.216 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078060.D
Acq: 05 Jun 2023 21:32

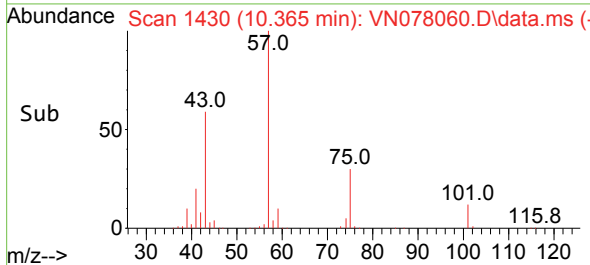
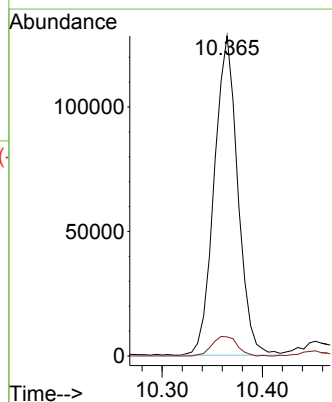
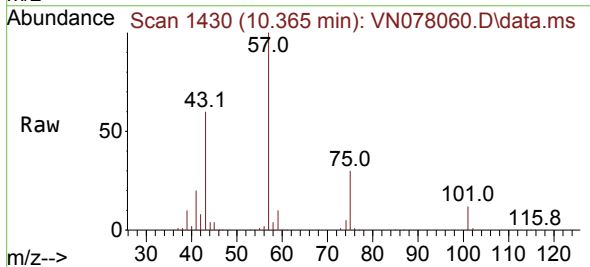
Instrument :
MSVOA_N
ClientSampleId :
TP-8

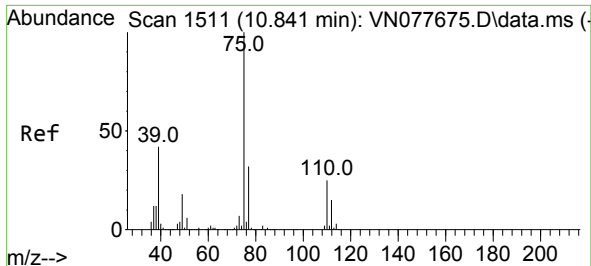
Tgt Ion: 98 Resp: 901763
Ion Ratio Lower Upper
98 100
100 62.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 35.479 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. -0.082 min
Lab File: VN078060.D
Acq: 05 Jun 2023 21:32

Tgt Ion: 43 Resp: 209516
Ion Ratio Lower Upper
43 100
58 6.6 36.6 54.8#

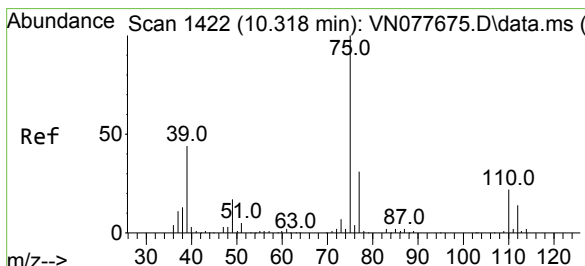
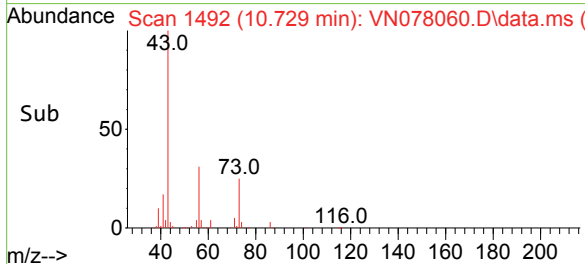
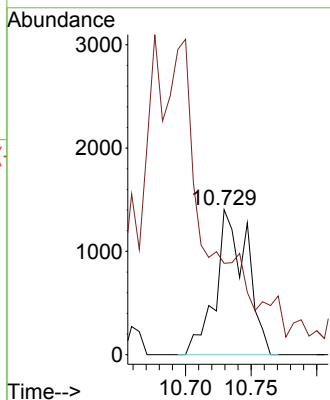
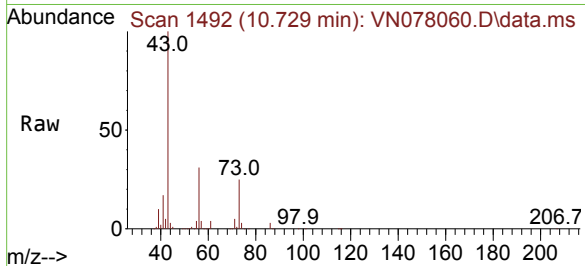




#53
t-1,3-Dichloropropene
Concen: 0.312 ug/l
RT: 10.729 min Scan# 14
Delta R.T. -0.112 min
Lab File: VN078060.D
Acq: 05 Jun 2023 21:32

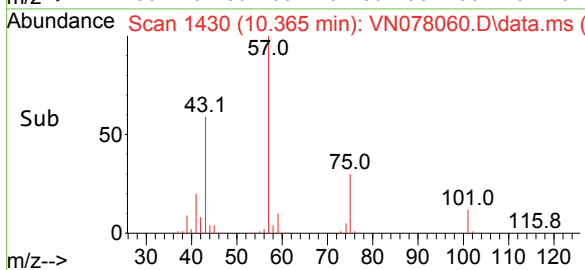
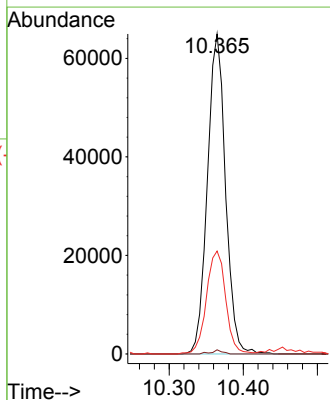
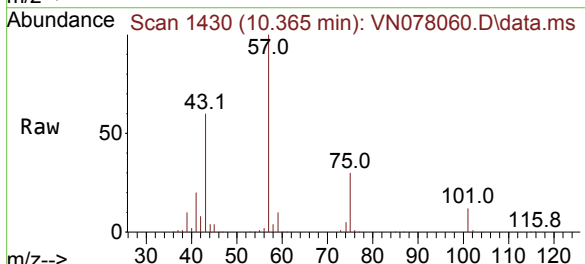
Instrument :
MSVOA_N
ClientSampleId :
TP-8

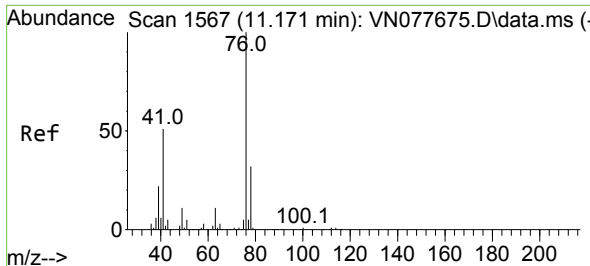
Tgt Ion: 75 Resp: 2327
Ion Ratio Lower Upper
75 100
77 22.5 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 13.428 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078060.D
Acq: 05 Jun 2023 21:32

Tgt Ion: 75 Resp: 110269
Ion Ratio Lower Upper
75 100
77 1.3 26.1 39.1#
39 32.2 31.6 47.4





#57

1,3-Dichloropropane

Concen: 1.595 ug/l

RT: 11.206 min Scan# 1

Delta R.T. 0.035 min

Lab File: VN078060.D

Acq: 05 Jun 2023 21:32

Instrument :

MSVOA_N

ClientSampleId :

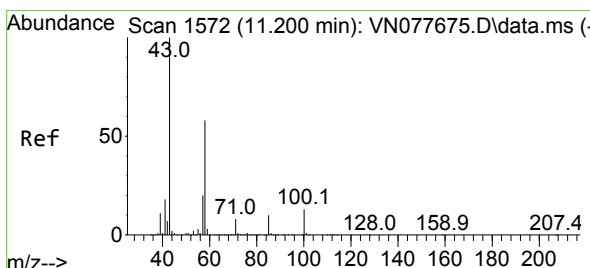
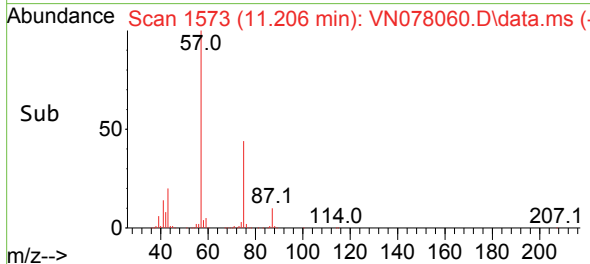
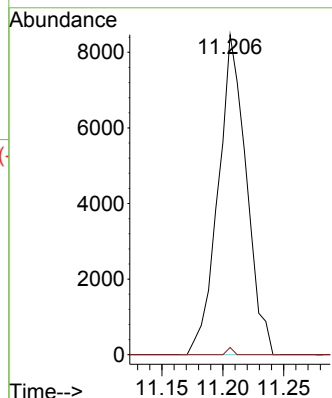
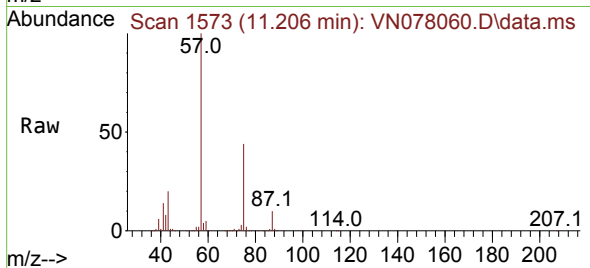
TP-8

Tgt Ion: 76 Resp: 13609

Ion Ratio Lower Upper

76 100

78 0.5 26.1 39.1#



#59

2-Hexanone

Concen: 54.722 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN078060.D

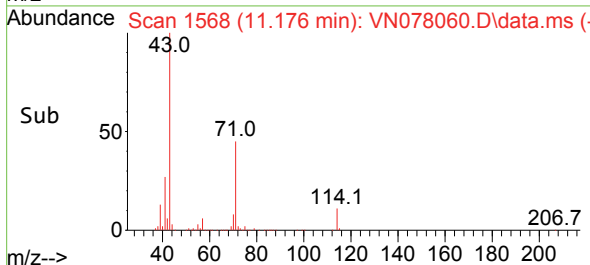
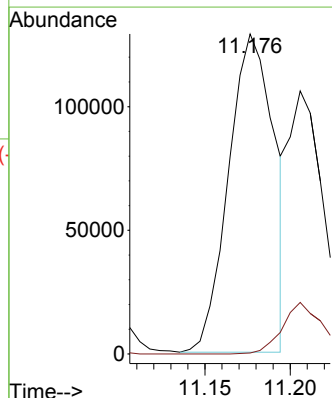
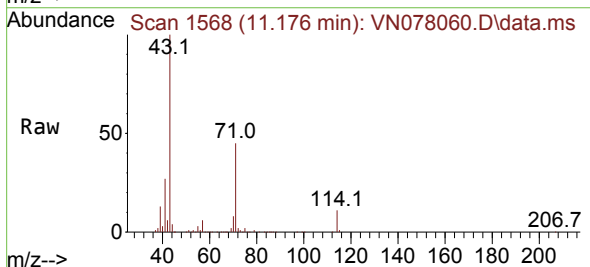
Acq: 05 Jun 2023 21:32

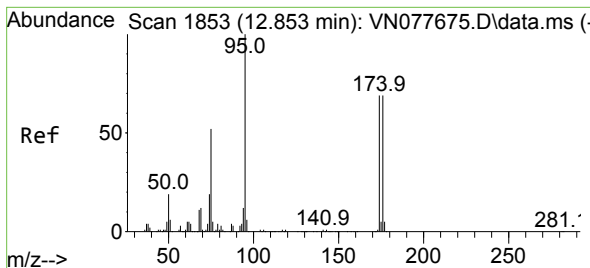
Tgt Ion: 43 Resp: 239023

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

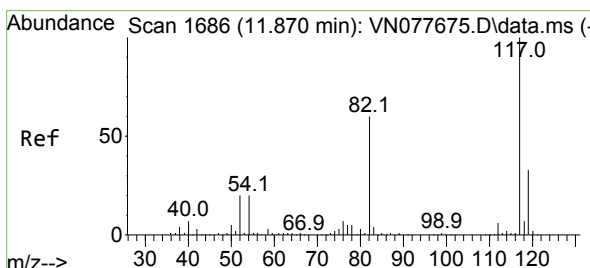
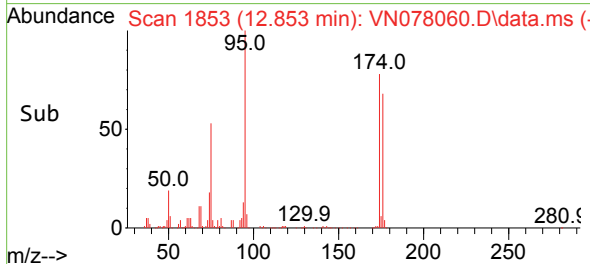
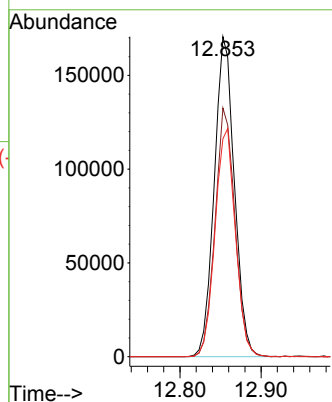
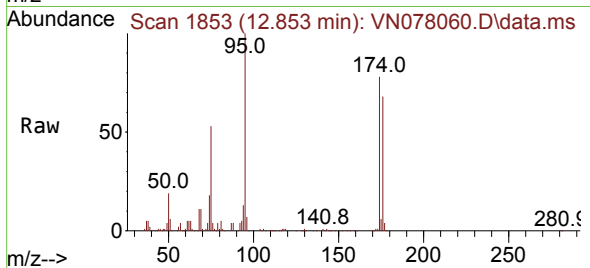




#62
4-Bromofluorobenzene
Concen: 46.333 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078060.D
Acq: 05 Jun 2023 21:32

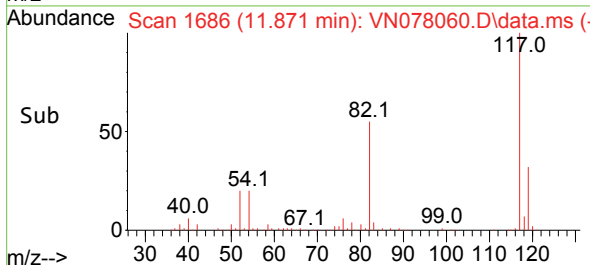
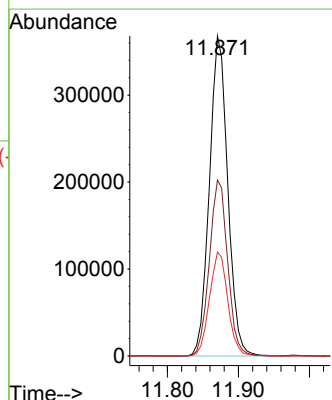
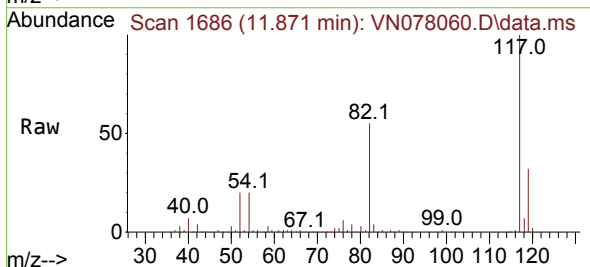
Instrument :
MSVOA_N
ClientSampleId :
TP-8

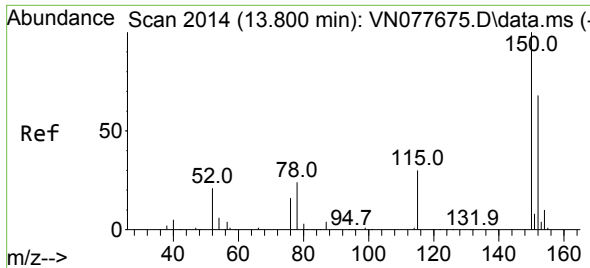
Tgt Ion: 95 Resp: 293856
Ion Ratio Lower Upper
95 100
174 76.8 0.0 143.8
176 72.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN078060.D
Acq: 05 Jun 2023 21:32

Tgt Ion: 117 Resp: 659700
Ion Ratio Lower Upper
117 100
82 55.0 44.0 66.0
119 32.5 25.6 38.4

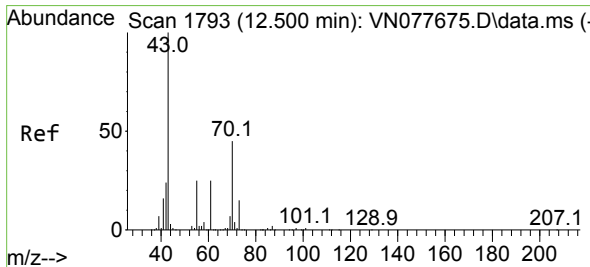
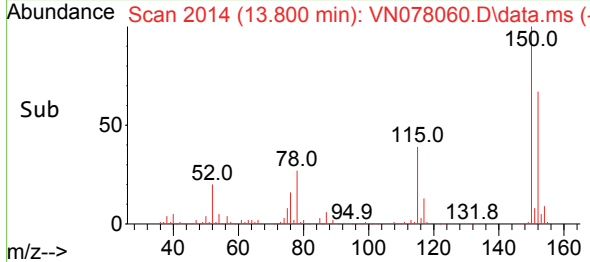
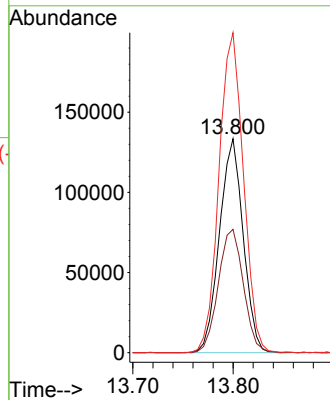
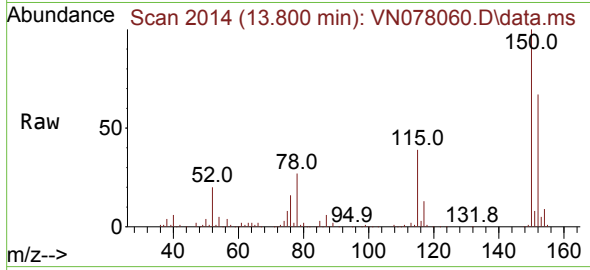




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078060.D
Acq: 05 Jun 2023 21:32

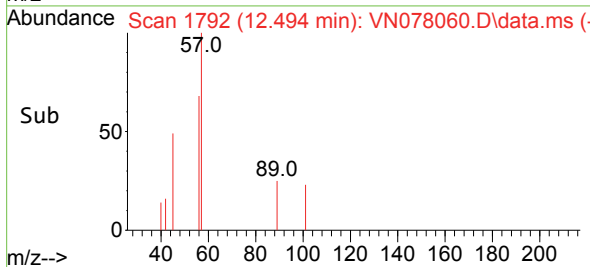
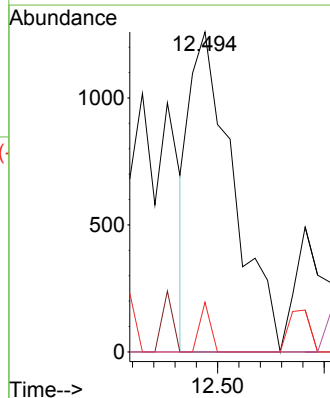
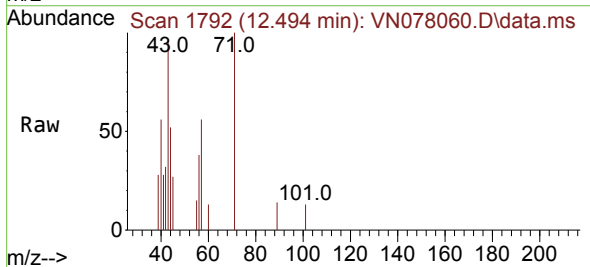
Instrument :
MSVOA_N
ClientSampleId :
TP-8

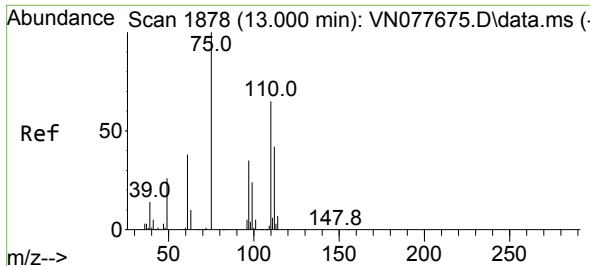
Tgt Ion:152 Resp: 219211
Ion Ratio Lower Upper
152 100
115 60.9 32.3 96.8
150 153.9 0.0 355.8



#74
N-ethyl acetate
Concen: 0.257 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.006 min
Lab File: VN078060.D
Acq: 05 Jun 2023 21:32

Tgt Ion: 43 Resp: 1792
Ion Ratio Lower Upper
43 100
70 4.7 43.4 65.2#
55 0.0 21.4 32.0#
61 0.0 22.8 34.2#

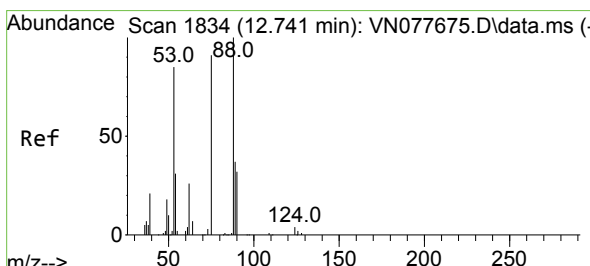
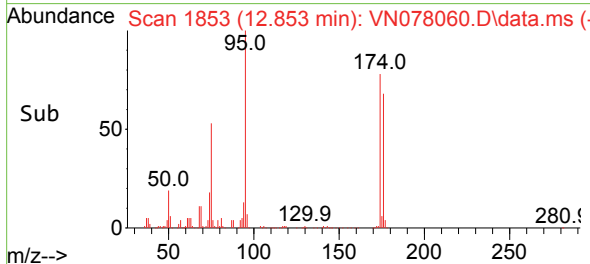
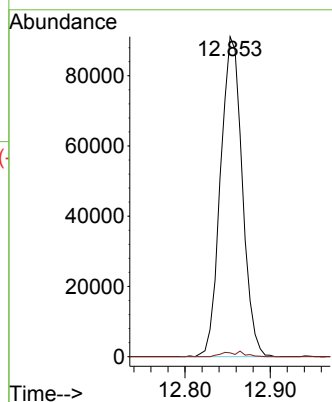
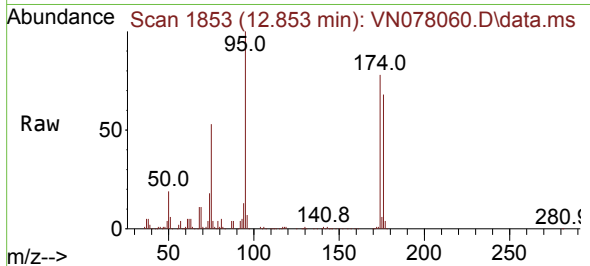




#76
1,2,3-Trichloropropane
Concen: 29.392 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078060.D
Acq: 05 Jun 2023 21:32

Instrument :
MSVOA_N
ClientSampleId :
TP-8

Tgt Ion: 75 Resp: 161356
Ion Ratio Lower Upper
75 100
77 0.9 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.951 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078060.D
Acq: 05 Jun 2023 21:32

Tgt Ion: 75 Resp: 161356
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

