

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101223\
 Data File : VN079546.D
 Acq On : 12 Oct 2023 15:35
 Operator : JC\MD
 Sample : 04844-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 13 01:20:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

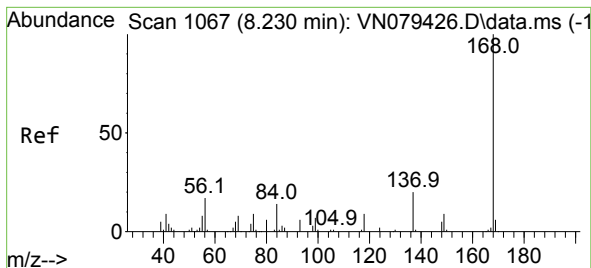
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	245684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	499200	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	513462	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	160757	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	210300	52.792	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.580%	
35) Dibromofluoromethane	8.171	113	182983	51.007	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.020%	
50) Toluene-d8	10.571	98	626898	48.296	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.600%	
62) 4-Bromofluorobenzene	12.853	95	207433	49.796	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.600%	
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	35754	22.629	ug/l	95
18) Methyl Acetate	5.042	43	4452	0.576	ug/l #	60
20) Methylene Chloride	5.289	84	15061	3.797	ug/l #	84
25) 2-Butanone	7.500	43	6887	2.937	ug/l #	57
31) Cyclohexane	8.224	56	6734	1.192	ug/l #	23
36) 1,1-Dichloropropene	8.224	75	22939	4.260	ug/l #	47
37) Ethyl Acetate	7.577	43	4212	0.786	ug/l #	77
38) Carbon Tetrachloride	8.235	117	27605	5.121	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1722	0.296	ug/l #	73
43) Isopropyl Acetate	8.694	43	234153	24.947	ug/l #	73
45) 1,2-Dichloropropane	9.741	63	2139	0.508	ug/l #	45
48) Methyl methacrylate	9.677	41	4508	1.121	ug/l #	33
49) 1,4-Dioxane	9.729	88	86	1.161	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	24081	4.545	ug/l #	78
53) t-1,3-Dichloropropene	10.735	75	1216	0.215	ug/l #	85
54) cis-1,3-Dichloropropene	10.359	75	59157	9.554	ug/l #	71
56) Ethyl methacrylate	10.988	69	2510	0.483	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7740	1.186	ug/l #	42
59) 2-Hexanone	11.176	43	142421	37.250	ug/l #	19
71) Bromoform	12.853	173	1589	0.519	ug/l #	1
74) N-amyl acetate	12.482	43	1459	0.238	ug/l #	36
75) 1,1,2,2-Tetrachloroethane	12.859	83	145	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	118529	25.572	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	118529	74.199	ug/l #	15

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

Quant Time: Oct 13 01:20:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 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: VN079546.D

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Instrument :

MSVOA_N

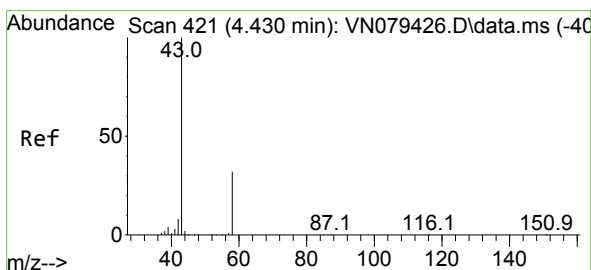
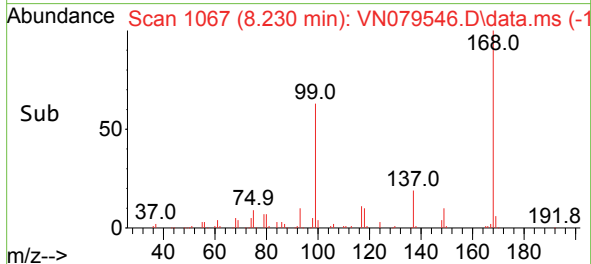
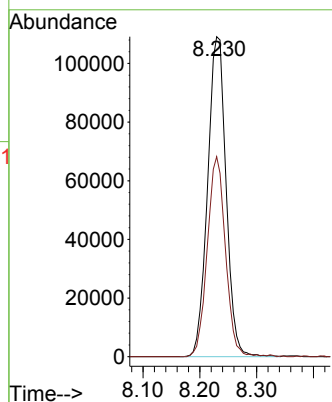
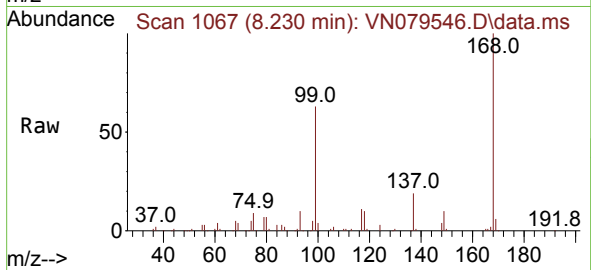
ClientSampleId :

Tgt Ion:168 Resp: 245684

Ion Ratio Lower Upper

168 100

99 62.5 53.0 79.6



#16

Acetone

Concen: 22.629 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.006 min

Lab File: VN079546.D

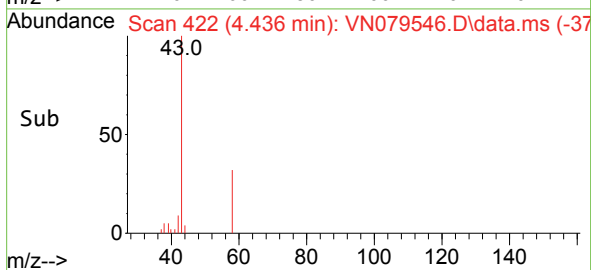
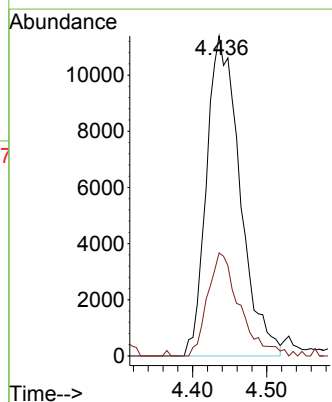
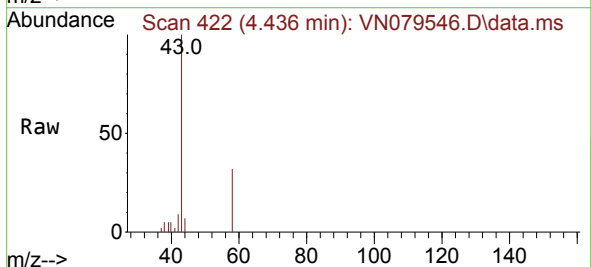
Acq: 12 Oct 2023 15:35

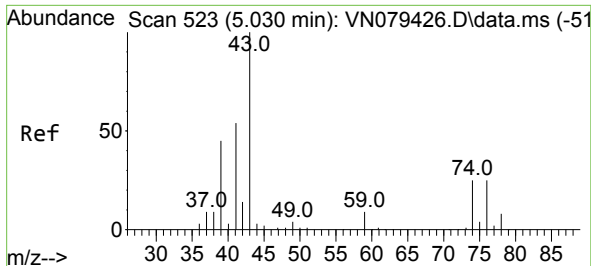
Tgt Ion: 43 Resp: 35754

Ion Ratio Lower Upper

43 100

58 32.2 28.0 42.0

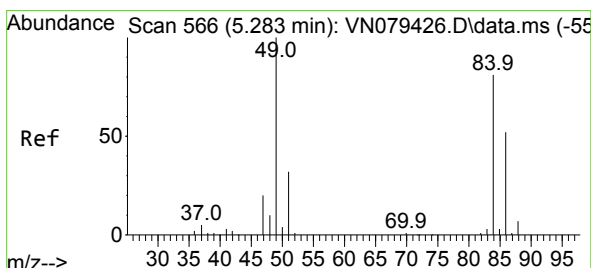
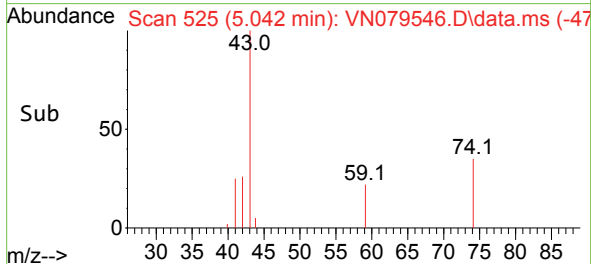
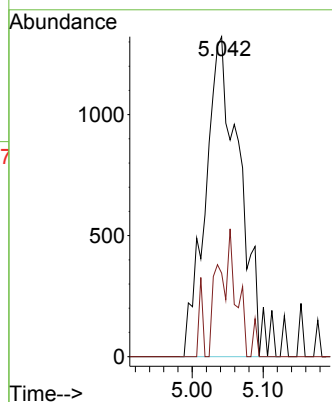
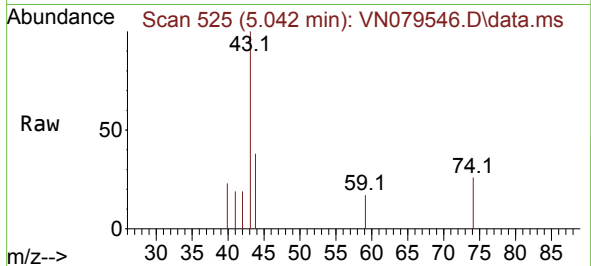




#18
Methyl Acetate
Concen: 0.576 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN079546.D
Acq: 12 Oct 2023 15:35

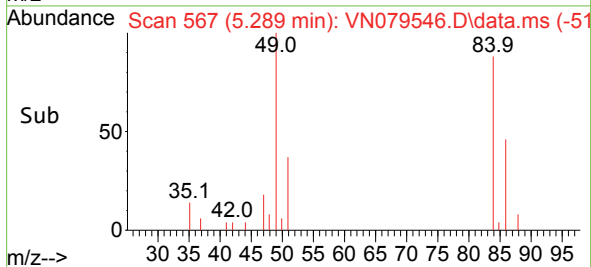
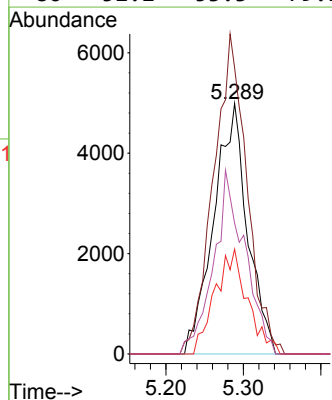
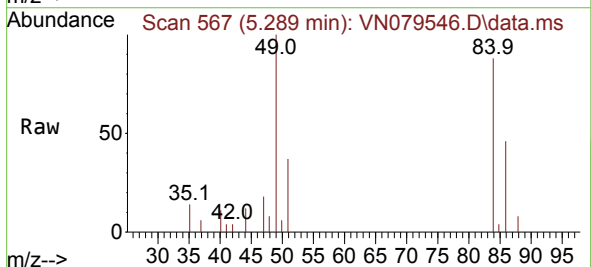
Instrument :
MSVOA_N
ClientSampleId :

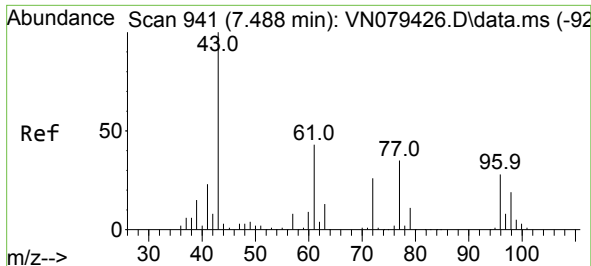
Tgt Ion: 43 Resp: 4452
Ion Ratio Lower Upper
43 100
74 10.2 26.2 39.4#



#20
Methylene Chloride
Concen: 3.797 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN079546.D
Acq: 12 Oct 2023 15:35

Tgt Ion: 84 Resp: 15061
Ion Ratio Lower Upper
84 100
49 114.3 79.7 119.5
51 41.8 25.2 37.8#
86 52.2 53.3 79.9#

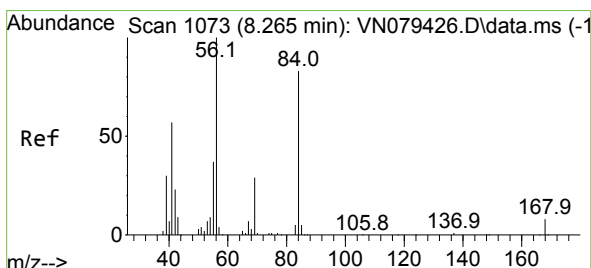
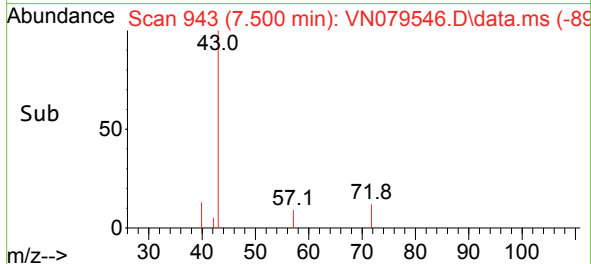
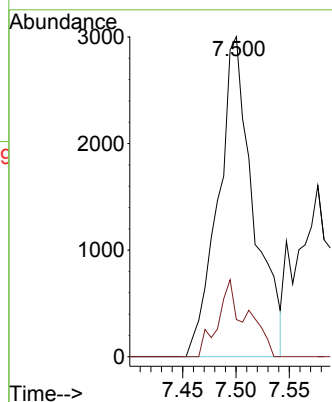
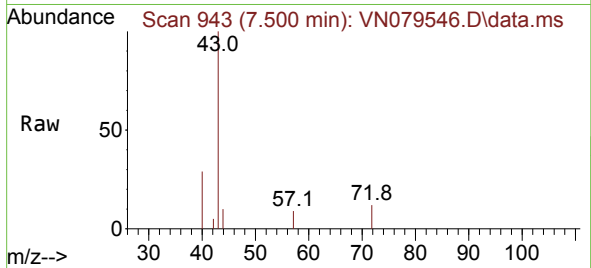




#25
2-Butanone
Concen: 2.937 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN079546.D
Acq: 12 Oct 2023 15:35

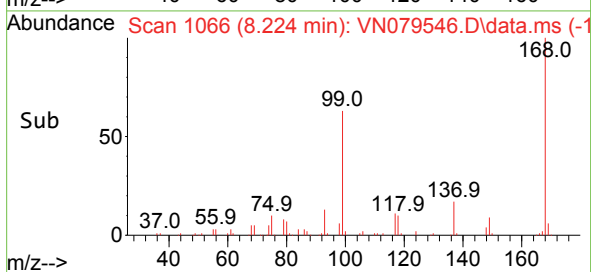
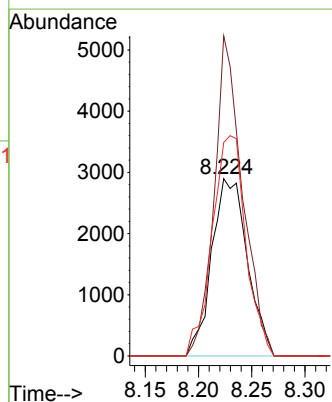
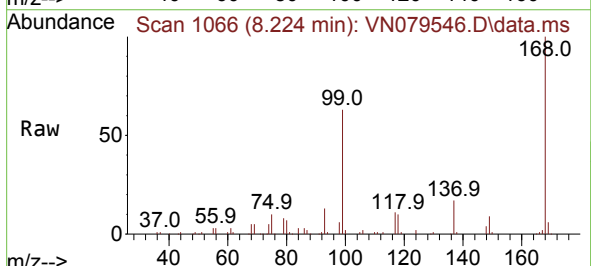
Instrument :
MSVOA_N
ClientSampleId :

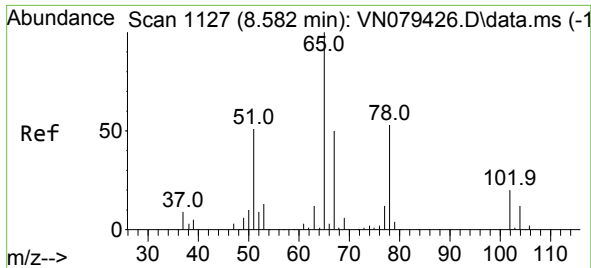
Tgt Ion: 43 Resp: 6887
Ion Ratio Lower Upper
43 100
72 11.6 30.2 45.2#



#31
Cyclohexane
Concen: 1.192 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN079546.D
Acq: 12 Oct 2023 15:35

Tgt Ion: 56 Resp: 6734
Ion Ratio Lower Upper
56 100
69 180.4 26.8 40.2#
84 120.4 81.8 122.6

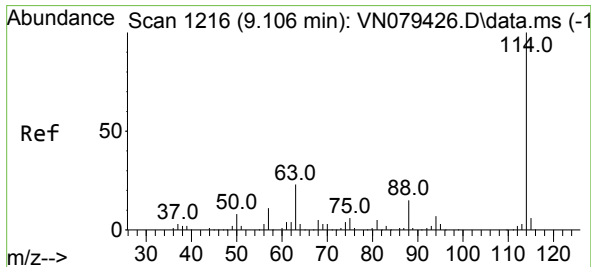
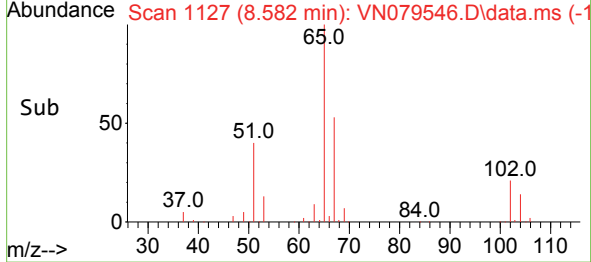
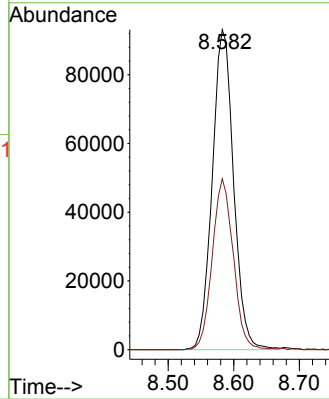
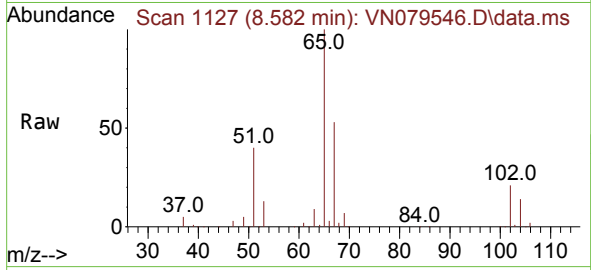




#33
 1,2-Dichloroethane-d4
 Concen: 52.792 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VN079546.D
 Acq: 12 Oct 2023 15:35

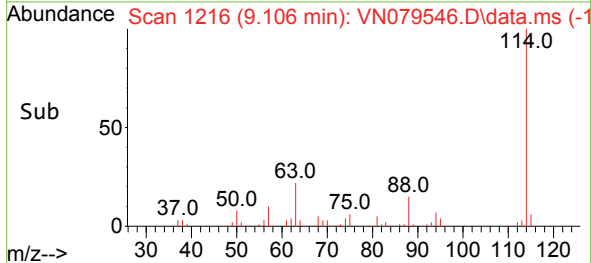
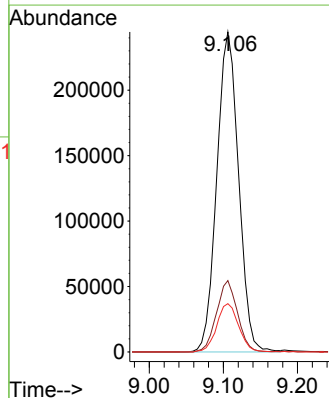
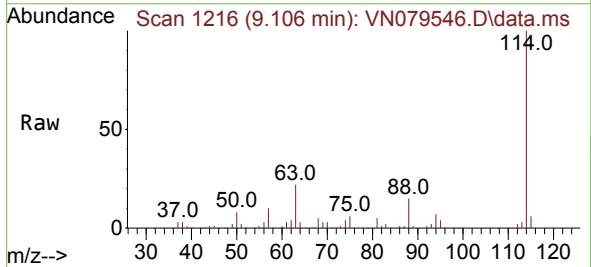
Instrument :
 MSVOA_N
 ClientSampleId :

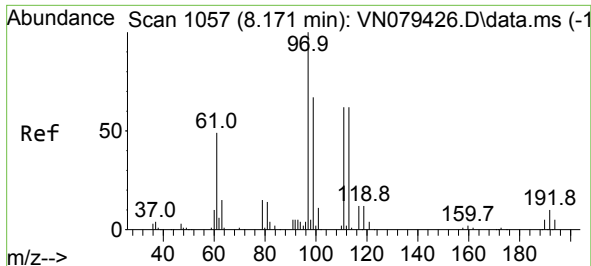
Tgt Ion: 65 Resp: 210300
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN079546.D
 Acq: 12 Oct 2023 15:35

Tgt Ion: 114 Resp: 499200
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 36.4
 88 15.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.007 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

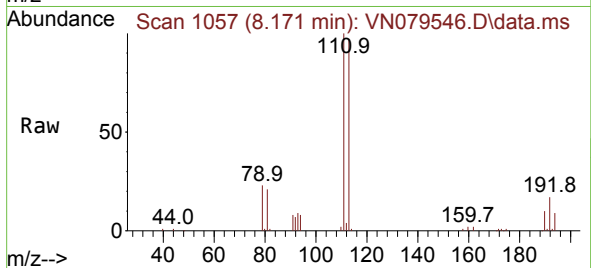
Lab File: VN079546.D

Acq: 12 Oct 2023 15:35

Instrument :

MSVOA_N

ClientSampleId :



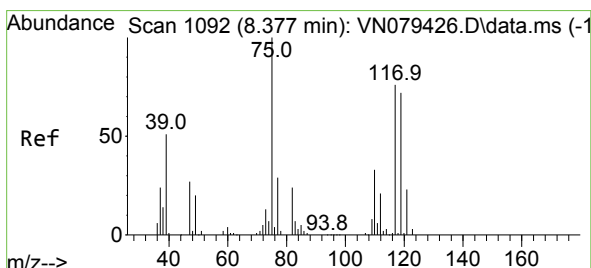
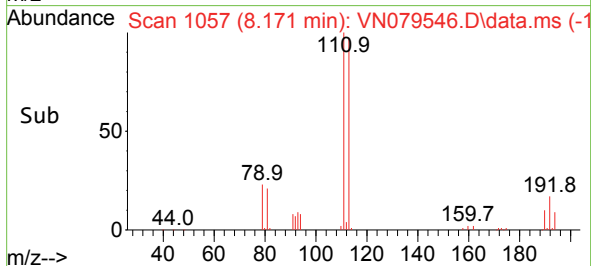
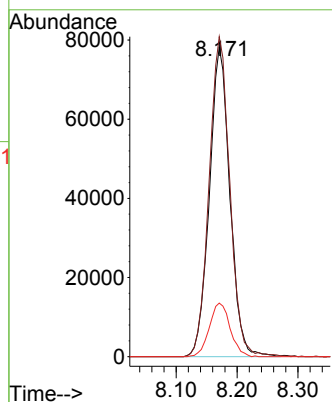
Tgt Ion:113 Resp: 182983

Ion Ratio Lower Upper

113 100

111 104.6 82.6 123.8

192 17.6 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.260 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN079546.D

Acq: 12 Oct 2023 15:35

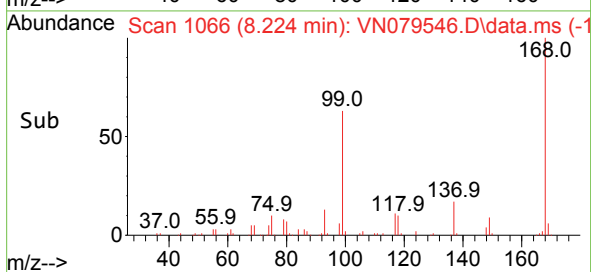
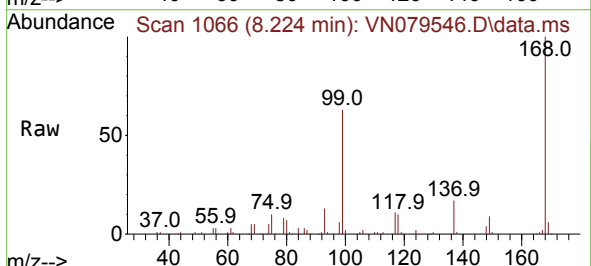
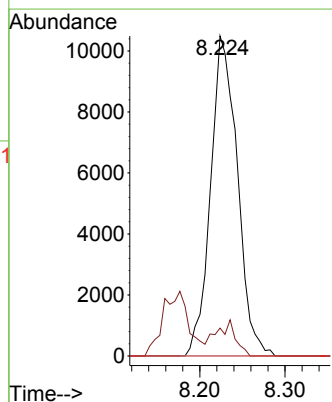
Tgt Ion: 75 Resp: 22939

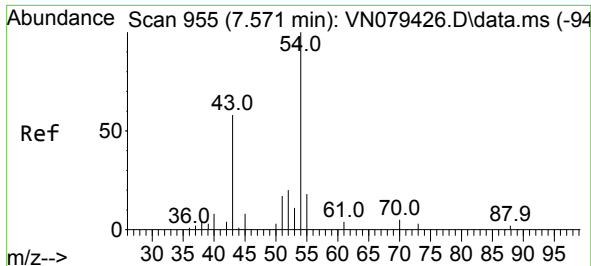
Ion Ratio Lower Upper

75 100

110 8.2 19.1 57.3#

77 0.0 25.0 37.4#

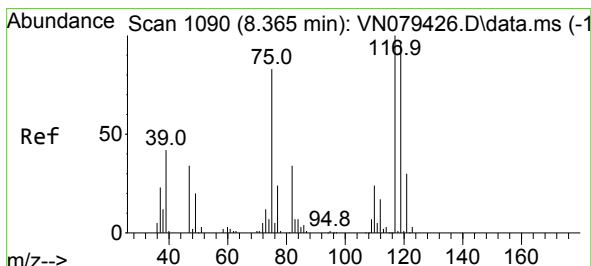
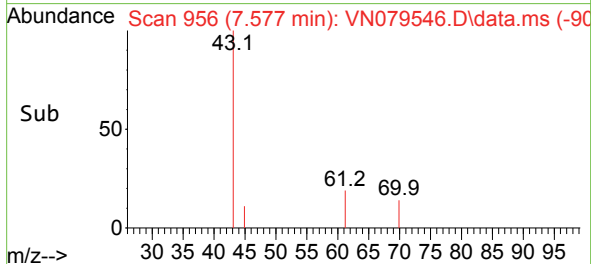
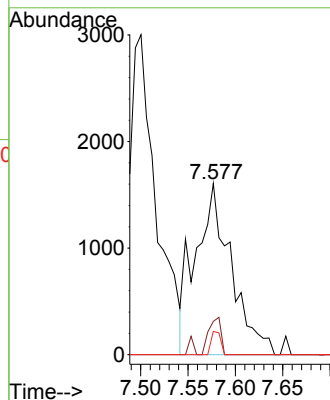
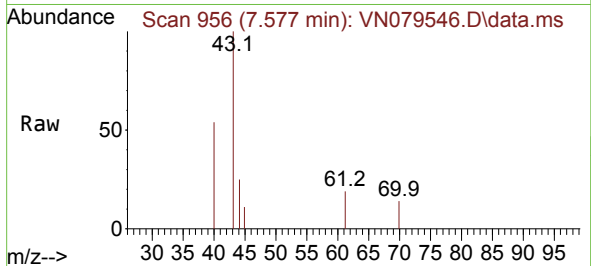




#37
Ethyl Acetate
Concen: 0.786 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN079546.D
Acq: 12 Oct 2023 15:35

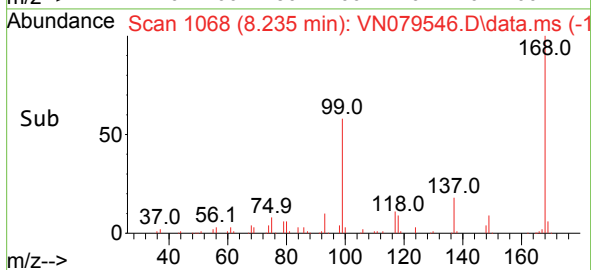
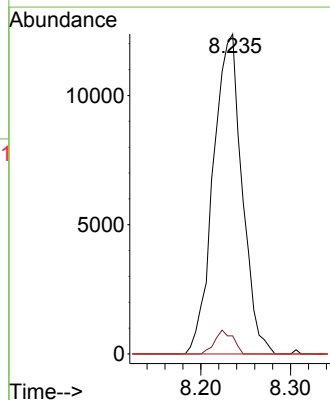
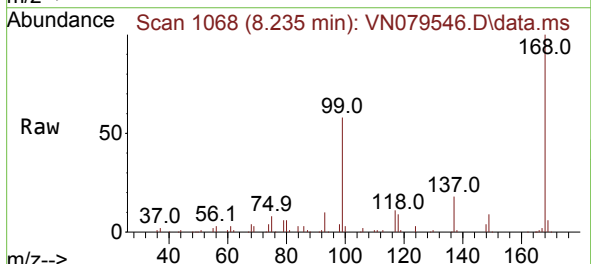
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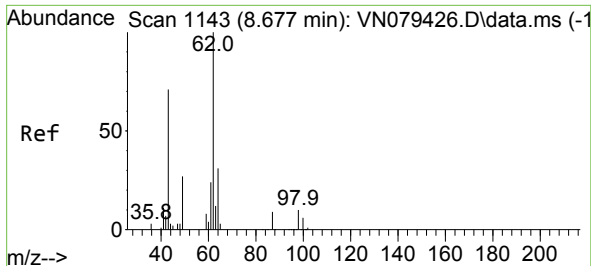
Tgt Ion: 43 Resp: 4212
Ion Ratio Lower Upper
43 100
61 7.3 13.2 19.8#
70 3.6 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.121 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.129 min
Lab File: VN079546.D
Acq: 12 Oct 2023 15:35

Tgt Ion: 117 Resp: 27605
Ion Ratio Lower Upper
117 100
119 5.7 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.296 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.012 min

Lab File: VN079546.D

Acq: 12 Oct 2023 15:35

Instrument :

MSVOA_N

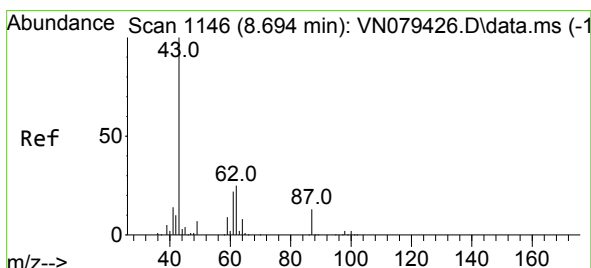
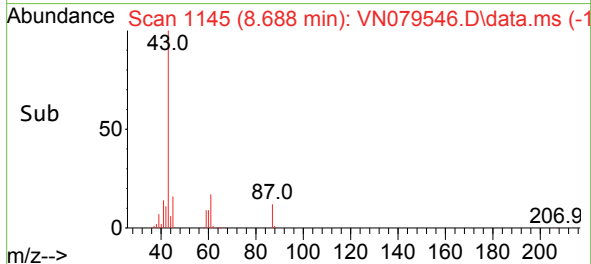
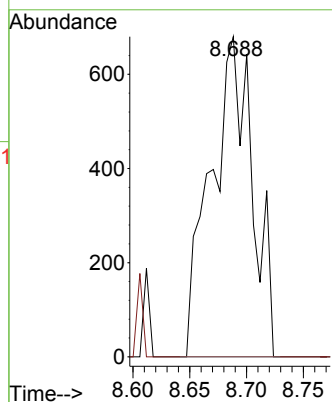
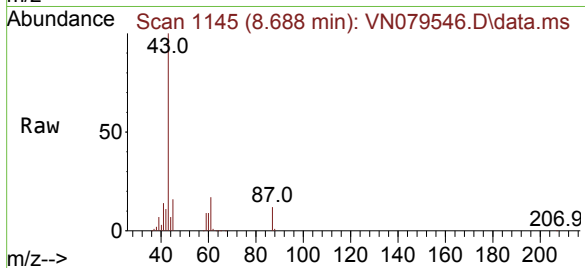
ClientSampleId :

Tgt Ion: 62 Resp: 1722

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 24.947 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079546.D

Acq: 12 Oct 2023 15:35

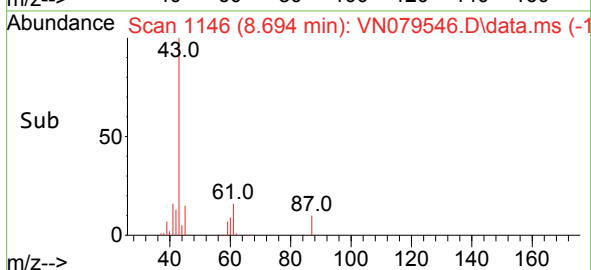
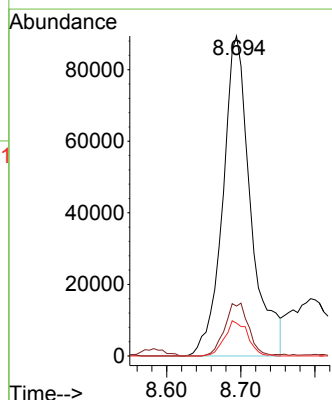
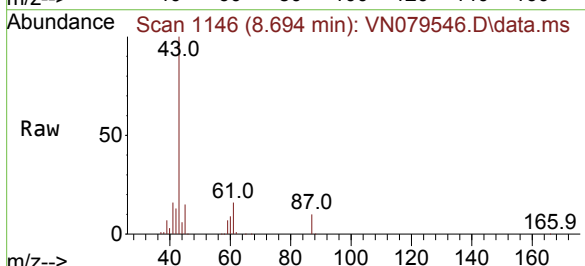
Tgt Ion: 43 Resp: 234153

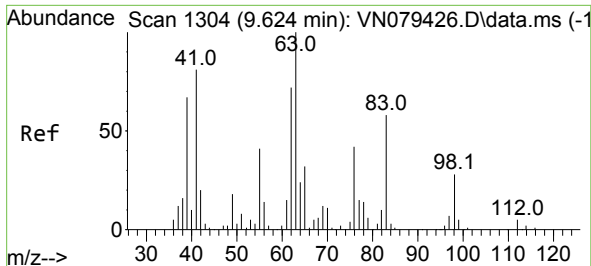
Ion Ratio Lower Upper

43 100

61 14.2 24.7 37.1#

87 9.1 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.508 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN079546.D

Acq: 12 Oct 2023 15:35

Instrument :

MSVOA_N

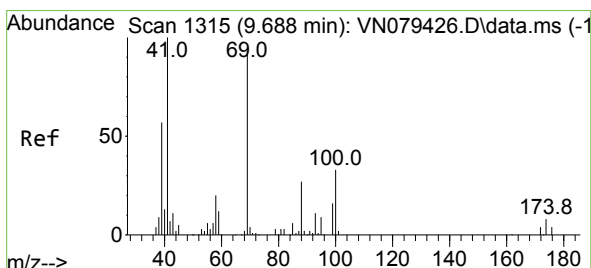
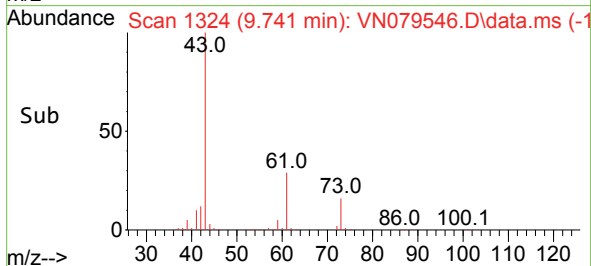
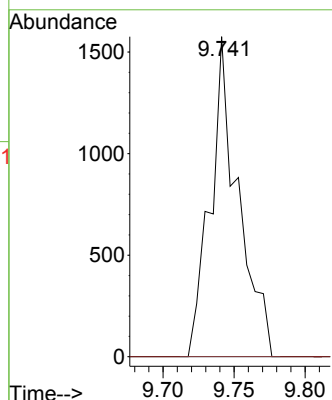
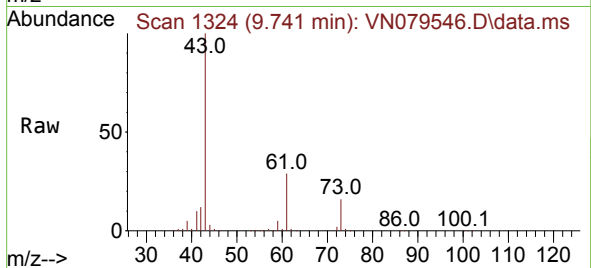
ClientSampleId :

Tgt Ion: 63 Resp: 2139

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.121 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.012 min

Lab File: VN079546.D

Acq: 12 Oct 2023 15:35

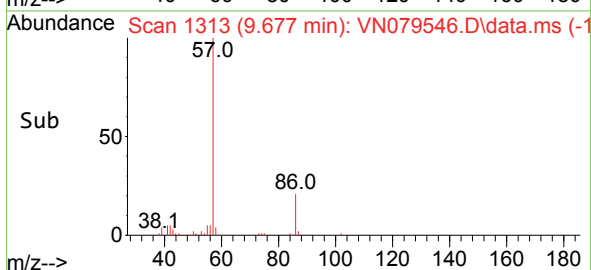
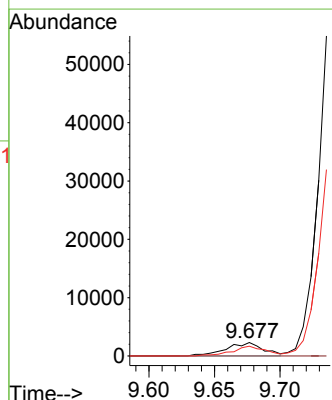
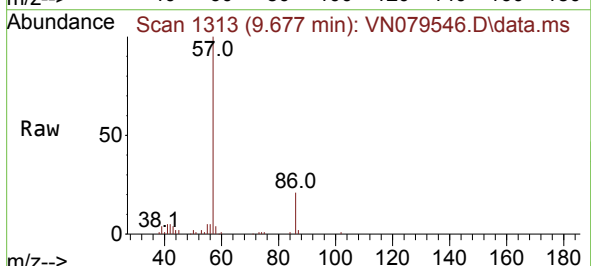
Tgt Ion: 41 Resp: 4508

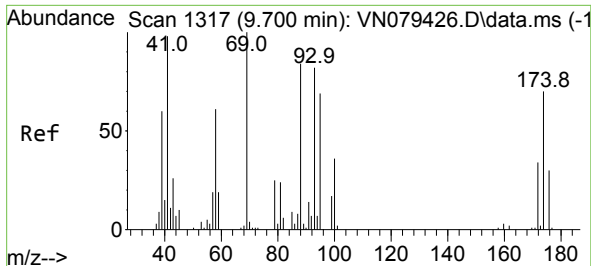
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 65.9 54.6 81.8





#49

1,4-Dioxane

Concen: 1.161 ug/l

RT: 9.729 min Scan# 11

Delta R.T. 0.029 min

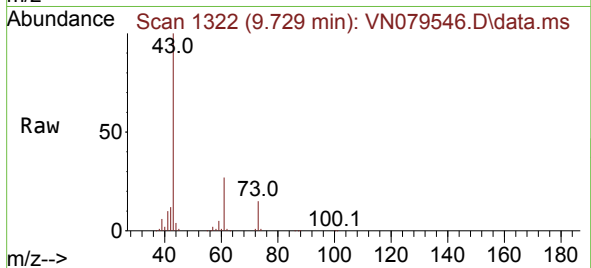
Lab File: VN079546.D

Acq: 12 Oct 2023 15:35

Instrument :

MSVOA_N

ClientSampleId :



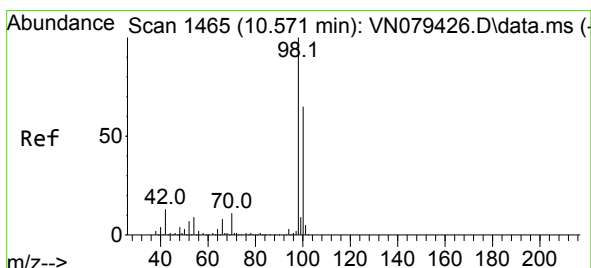
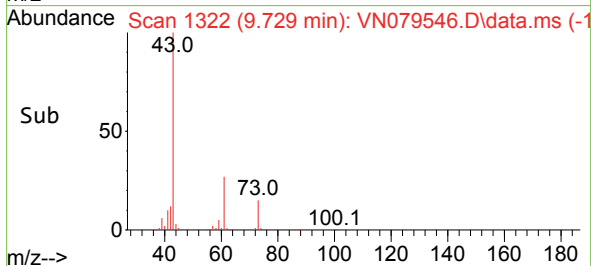
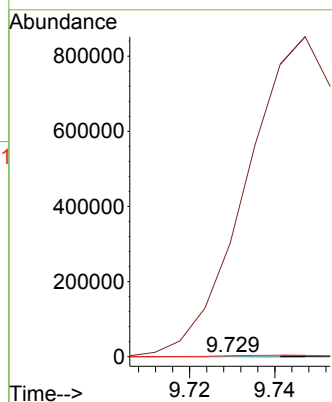
Tgt Ion: 88 Resp: 86

Ion Ratio Lower Upper

88 100

43 1779012.8 17.0 25.6#

58 9330.2 47.0 70.4#



#50

Toluene-d8

Concen: 48.296 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079546.D

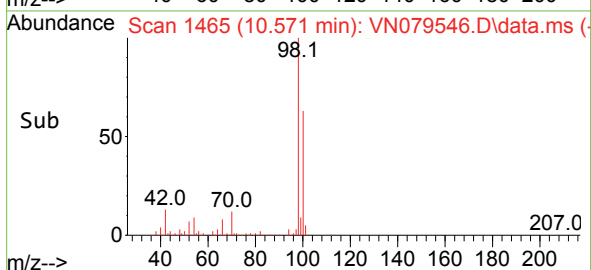
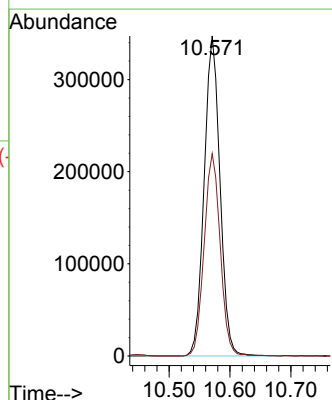
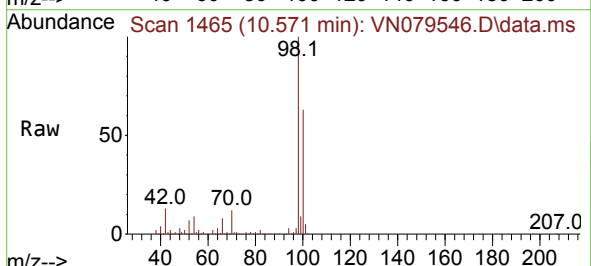
Acq: 12 Oct 2023 15:35

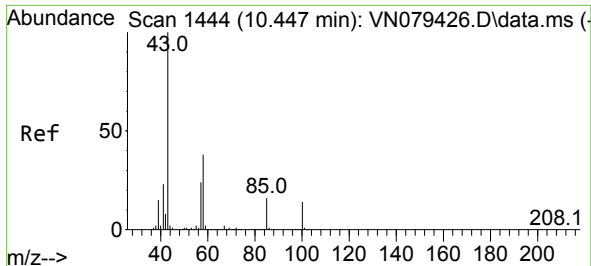
Tgt Ion: 98 Resp: 626898

Ion Ratio Lower Upper

98 100

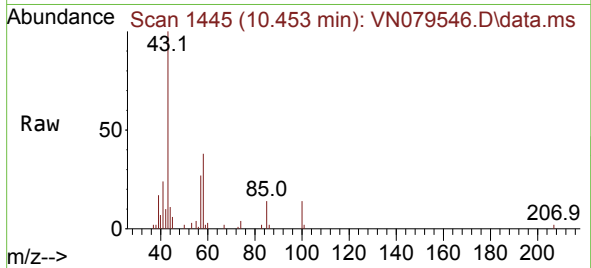
100 64.2 52.0 78.0



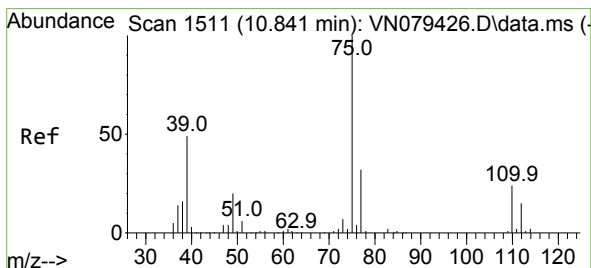
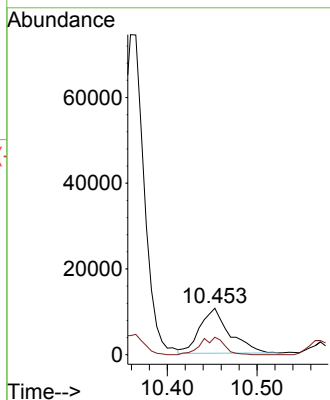
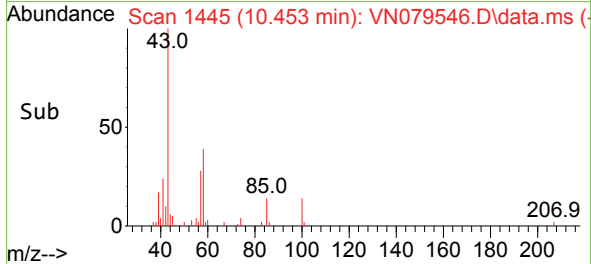


#51
4-Methyl-2-Pentanone
Concen: 4.545 ug/l
RT: 10.453 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN079546.D
Acq: 12 Oct 2023 15:35

Instrument :
MSVOA_N
ClientSampleId :

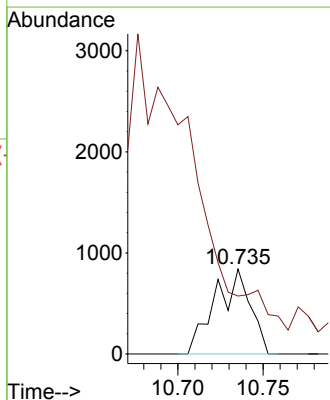
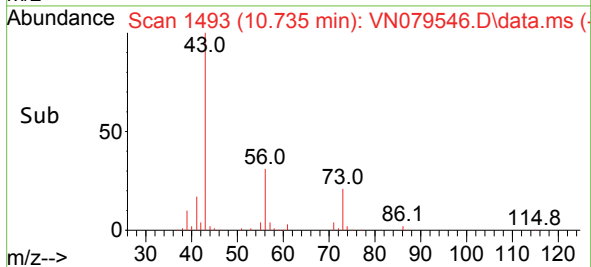
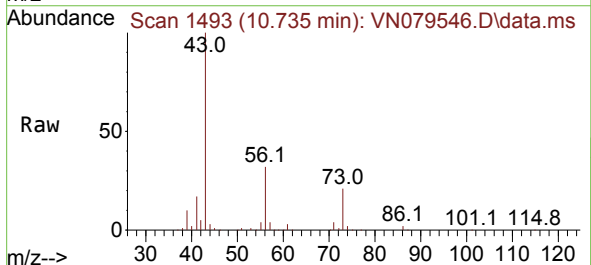


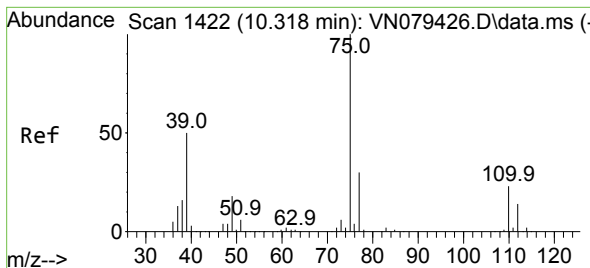
Tgt Ion: 43 Resp: 24081
Ion Ratio Lower Upper
43 100
58 31.1 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.215 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.106 min
Lab File: VN079546.D
Acq: 12 Oct 2023 15:35

Tgt Ion: 75 Resp: 1216
Ion Ratio Lower Upper
75 100
77 23.6 25.4 38.0#

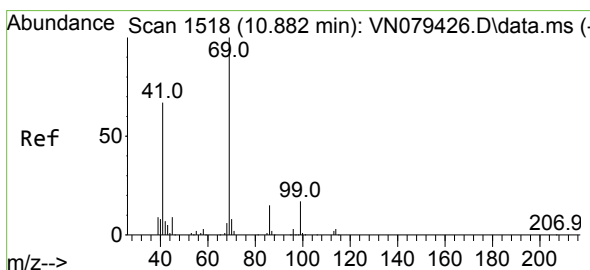
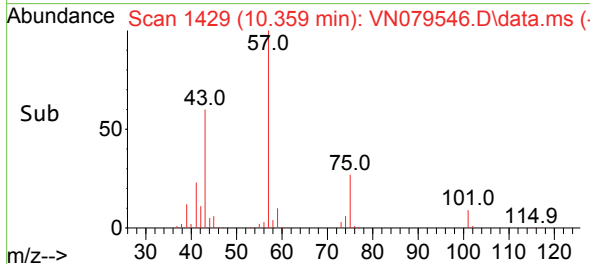
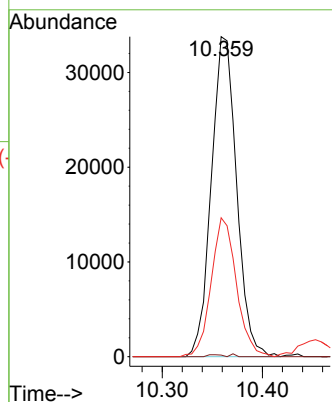
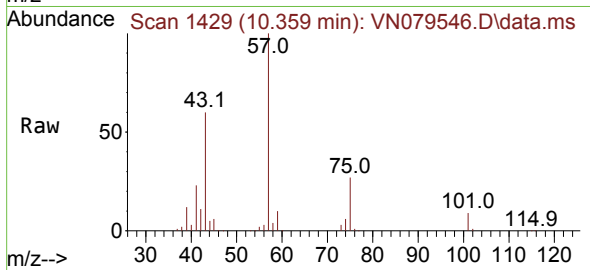




#54
 cis-1,3-Dichloropropene
 Concen: 9.554 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN079546.D
 Acq: 12 Oct 2023 15:35

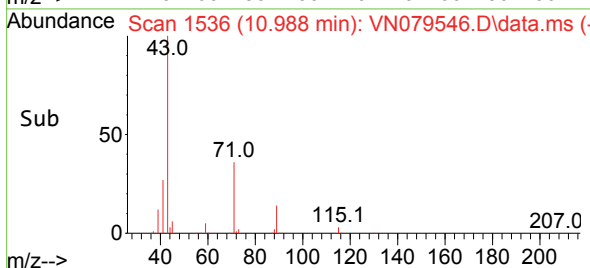
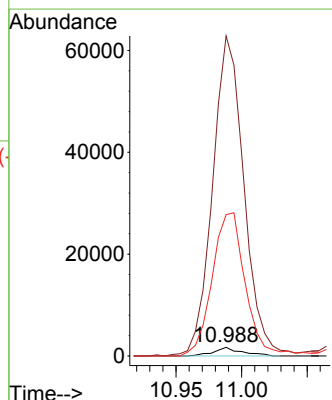
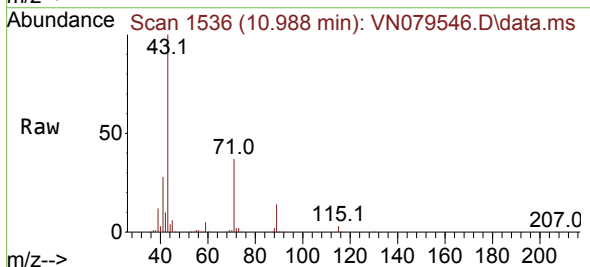
Instrument :
 MSVOA_N
 ClientSampleId :

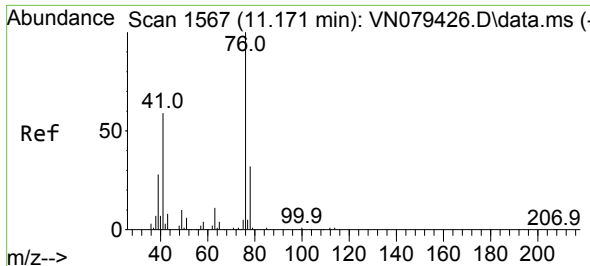
Tgt Ion: 75 Resp: 59157
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.1 39.1#
 39 43.4 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.483 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.106 min
 Lab File: VN079546.D
 Acq: 12 Oct 2023 15:35

Tgt Ion: 69 Resp: 2510
 Ion Ratio Lower Upper
 69 100
 41 4177.5 39.6 59.4#
 39 1980.8 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.186 ug/l

RT: 11.206 min Scan# 1

Delta R.T. 0.035 min

Lab File: VN079546.D

Acq: 12 Oct 2023 15:35

Instrument :

MSVOA_N

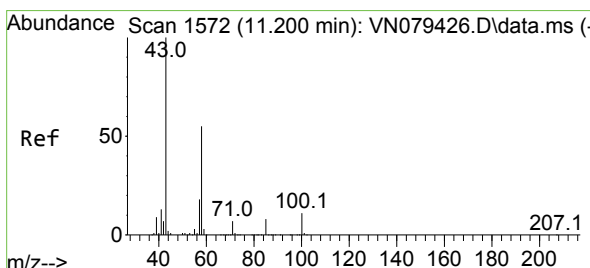
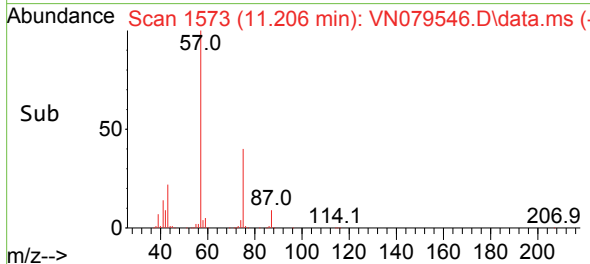
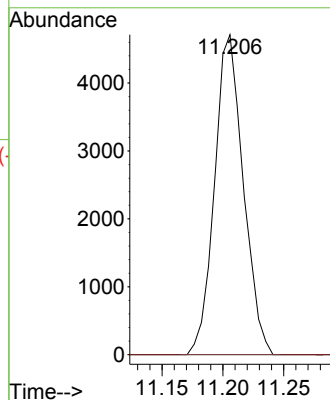
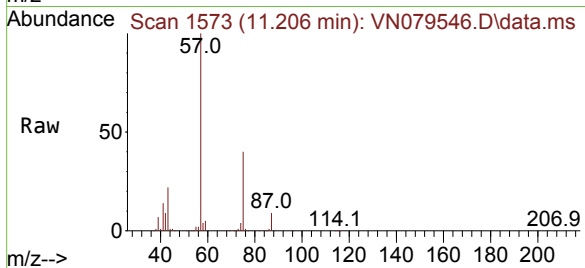
ClientSampleId :

Tgt Ion: 76 Resp: 7740

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 37.250 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN079546.D

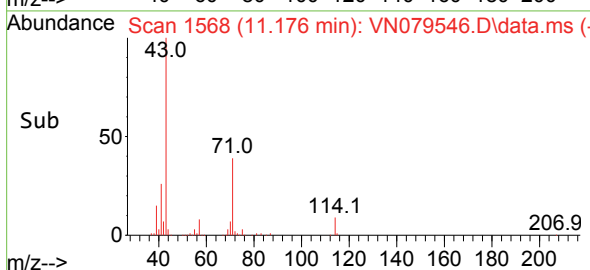
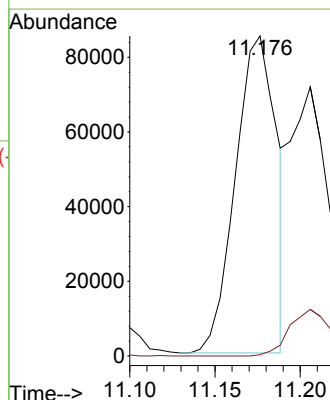
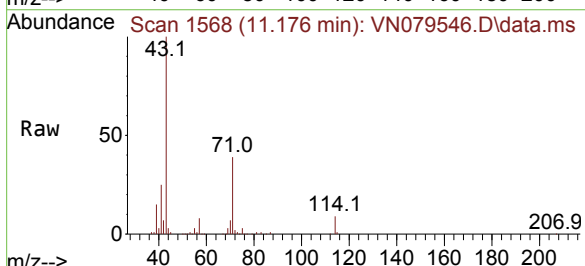
Acq: 12 Oct 2023 15:35

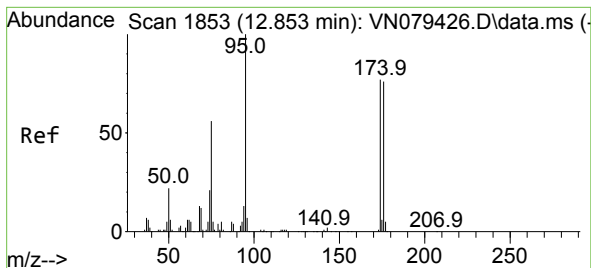
Tgt Ion: 43 Resp: 142421

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

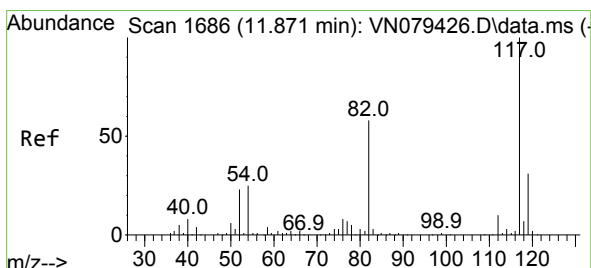
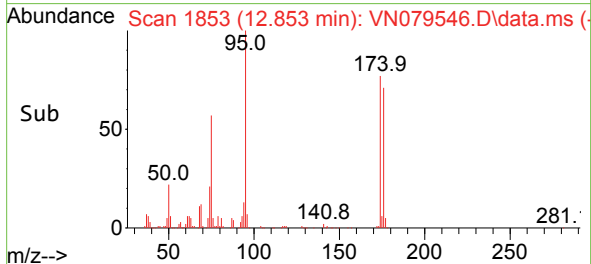
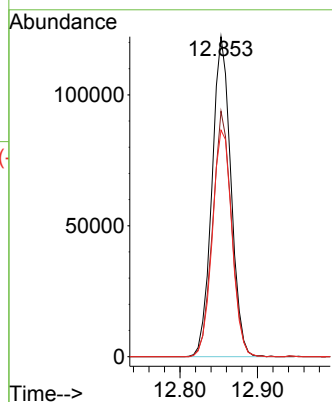
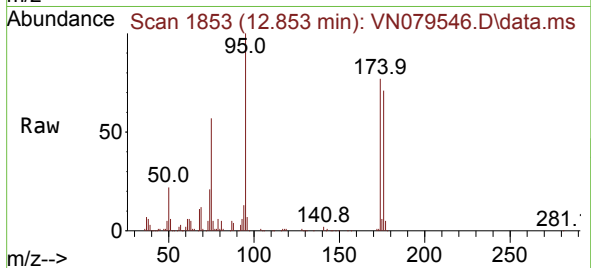




#62
4-Bromofluorobenzene
Concen: 49.796 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079546.D
Acq: 12 Oct 2023 15:35

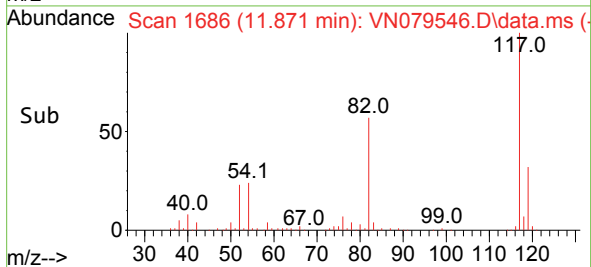
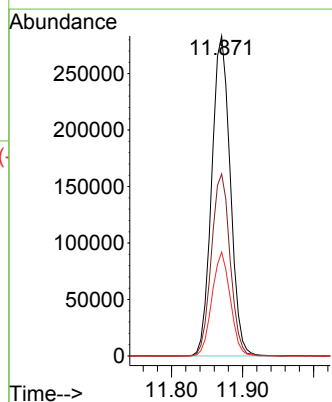
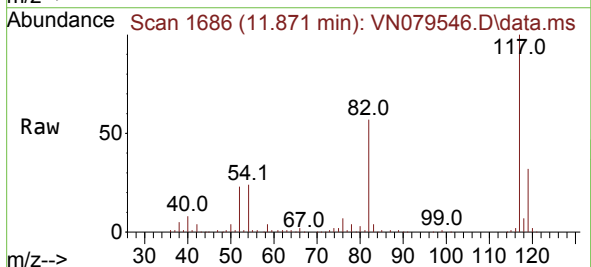
Instrument :
MSVOA_N
ClientSampleId :

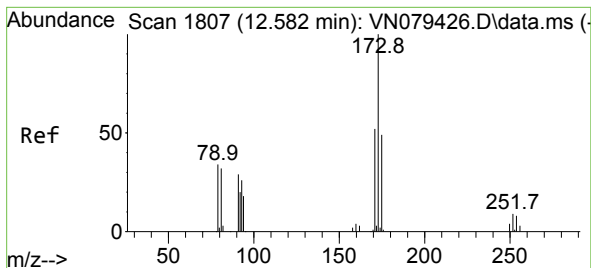
Tgt Ion: 95 Resp: 207433
Ion Ratio Lower Upper
95 100
174 76.3 0.0 143.8
176 73.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079546.D
Acq: 12 Oct 2023 15:35

Tgt Ion: 117 Resp: 513462
Ion Ratio Lower Upper
117 100
82 56.9 44.0 66.0
119 32.5 25.6 38.4





#71

Bromoform

Concen: 0.519 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN079546.D

Acq: 12 Oct 2023 15:35

Instrument :

MSVOA_N

ClientSampleId :

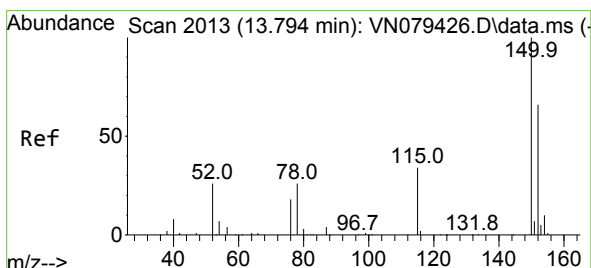
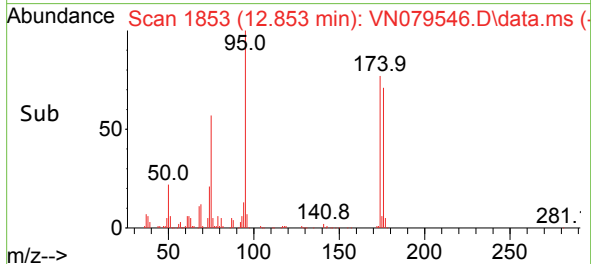
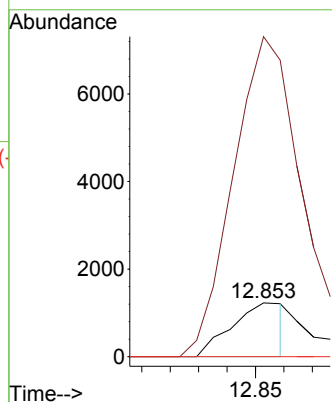
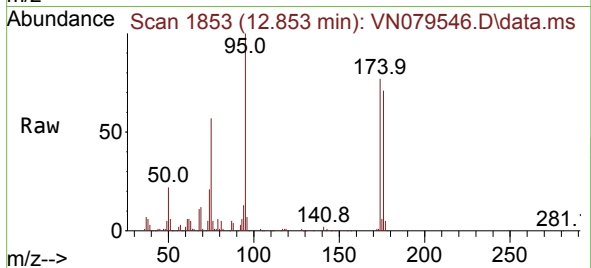
Tgt Ion:173 Resp: 1589

Ion Ratio Lower Upper

173 100

175 571.1 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079546.D

Acq: 12 Oct 2023 15:35

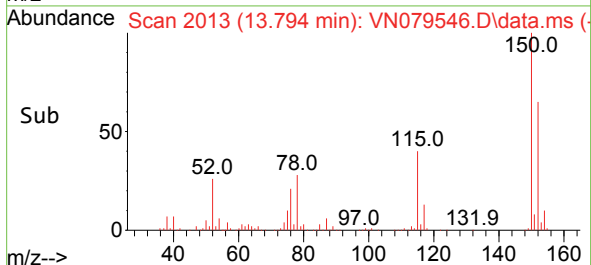
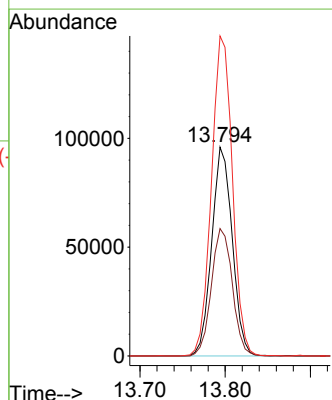
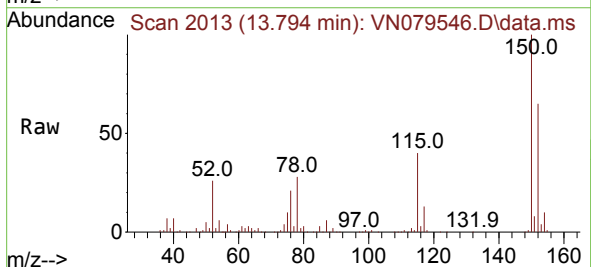
Tgt Ion:152 Resp: 160757

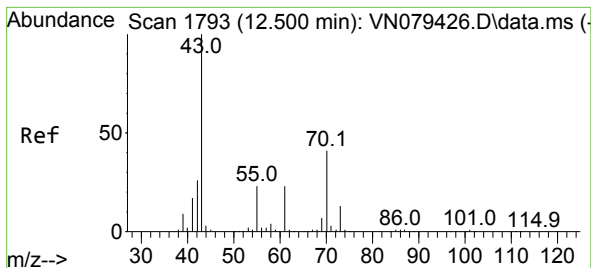
Ion Ratio Lower Upper

152 100

115 62.2 32.3 96.8

150 156.2 0.0 355.8





#74

N-amy1 acetate

Concen: 0.238 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.018 min

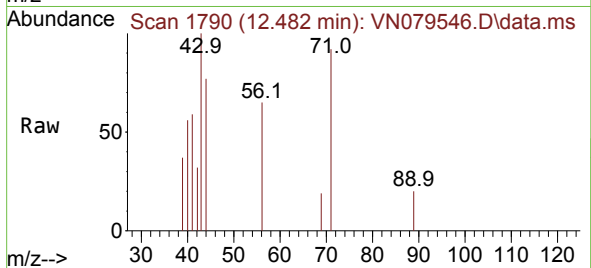
Lab File: VN079546.D

Acq: 12 Oct 2023 15:35

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1459

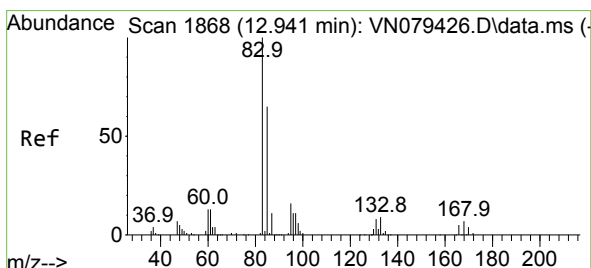
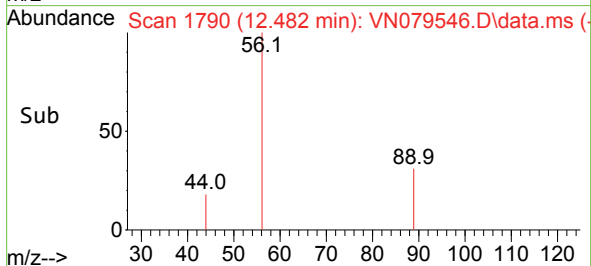
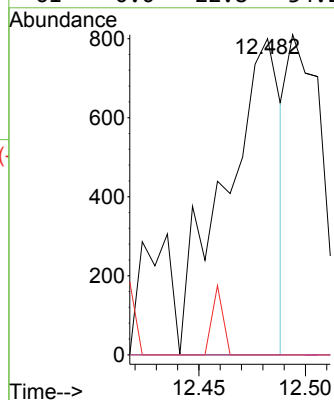
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 0.0 21.4 32.0#

61 0.0 22.8 34.2#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.859 min Scan# 1854

Delta R.T. -0.082 min

Lab File: VN079546.D

Acq: 12 Oct 2023 15:35

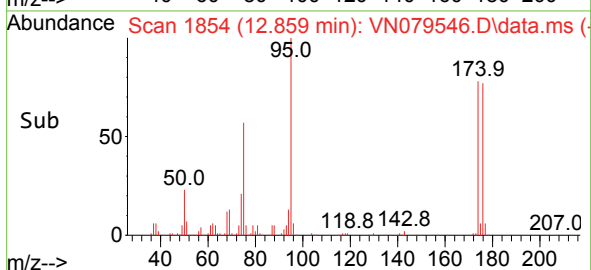
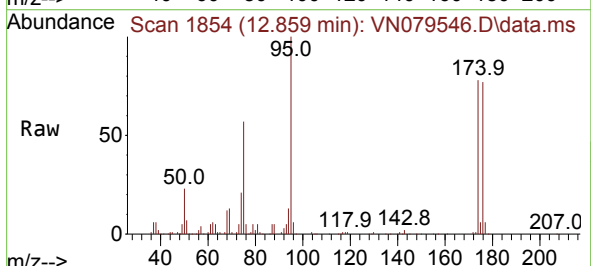
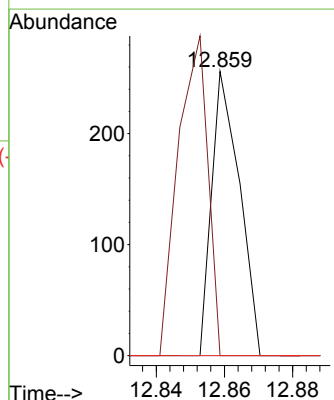
Tgt Ion: 83 Resp: 145

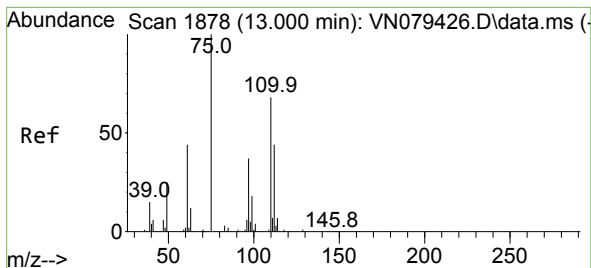
Ion Ratio Lower Upper

83 100

131 120.0 5.0 15.0#

85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 25.572 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079546.D

Acq: 12 Oct 2023 15:35

Instrument :

MSVOA_N

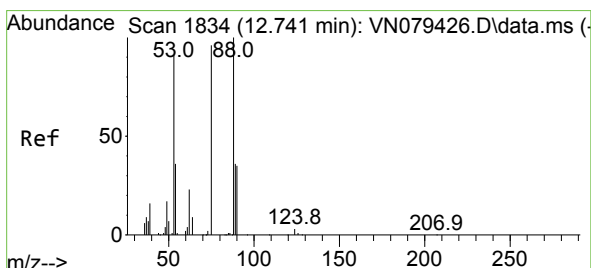
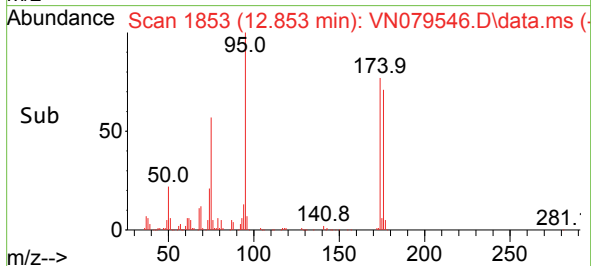
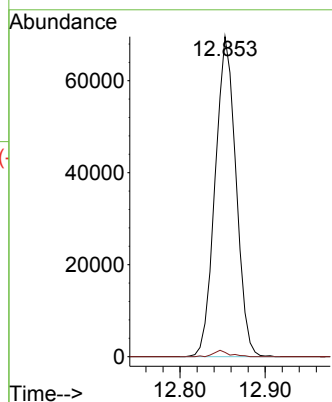
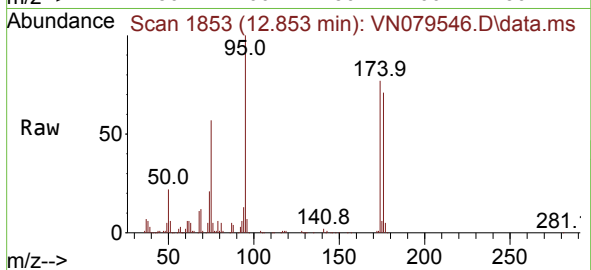
ClientSampleId :

Tgt Ion: 75 Resp: 118529

Ion Ratio Lower Upper

75 100

77 1.5 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.199 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079546.D

Acq: 12 Oct 2023 15:35

Tgt Ion: 75 Resp: 118529

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#

