

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010423\
 Data File : VN076094.D
 Acq On : 04 Jan 2023 20:19
 Operator : JC\MD
 Sample : 01001-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-C3

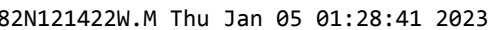
Quant Time: Jan 05 01:28:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

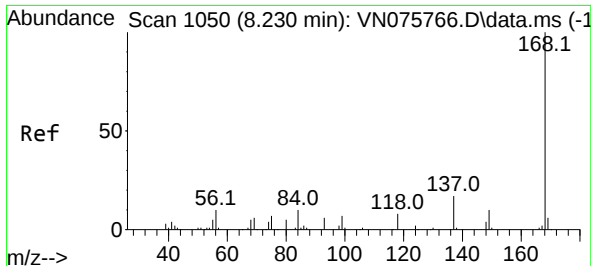
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.235	168	324297	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	526376	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	468110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	195045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	173683	49.229	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.460%		
35) Dibromofluoromethane	8.177	113	153904	47.213	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.420%		
50) Toluene-d8	10.571	98	614899	50.452	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.900%		
62) 4-Bromofluorobenzene	12.853	95	191215	47.368	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.740%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.524	59	186	0.373	ug/l #	72
16) Acetone	4.447	43	40868	33.603	ug/l	95
18) Methyl Acetate	5.042	43	3185	0.886	ug/l #	65
20) Methylene Chloride	5.289	84	6318	1.318	ug/l	91
25) 2-Butanone	7.500	43	6177	3.627	ug/l	97
29) Tetrahydrofuran	7.871	42	246	0.231	ug/l #	25
31) Cyclohexane	8.235	56	6199	1.227	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	23680	5.468	ug/l #	49
37) Ethyl Acetate	7.571	43	32002	9.201	ug/l	99
38) Carbon Tetrachloride	8.230	117	32036	6.610	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1577	0.355	ug/l #	72
43) Isopropyl Acetate	8.694	43	306445	53.409	ug/l #	73
45) 1,2-Dichloropropane	9.747	63	1936	0.595	ug/l #	43
48) Methyl methacrylate	9.747	41	138035	53.415	ug/l #	34
49) 1,4-Dioxane	9.747	88	227	3.573	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	16416	4.731	ug/l #	75
53) t-1,3-Dichloropropene	10.729	75	1170	0.253	ug/l #	66
54) cis-1,3-Dichloropropene	10.365	75	67767	13.334	ug/l #	64
56) Ethyl methacrylate	10.994	69	2115	0.466	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	9202	1.643	ug/l #	42
59) 2-Hexanone	11.176	43	142818	56.439	ug/l #	20
71) Bromoform	12.841	173	1493	0.577	ug/l #	1
74) N-amyl acetate	12.488	43	1386	0.335	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	98970	25.173	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	98970	90.609	ug/l #	12
95) Naphthalene	15.647	128	542	2.226	ug/l #	69

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

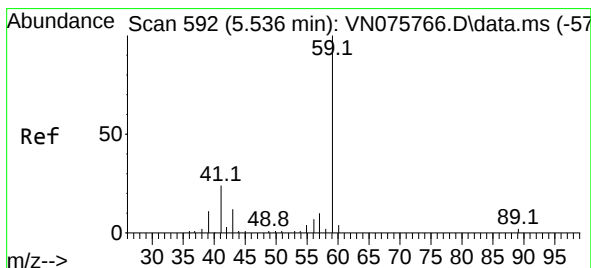
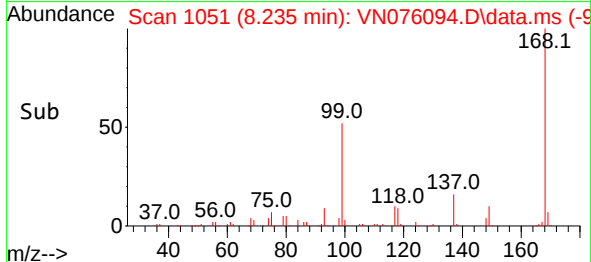
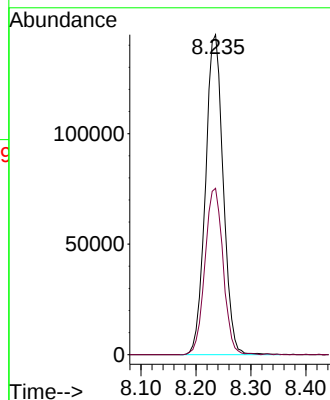
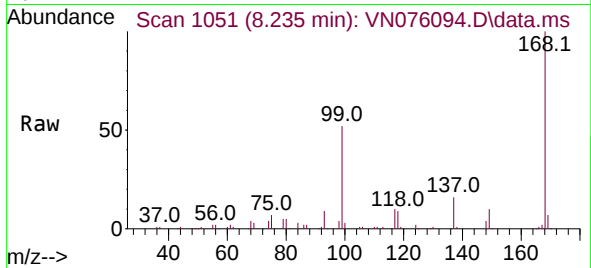




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1050
Delta R.T. 0.005 min
Lab File: VN076094.D
Acq: 04 Jan 2023 20:19

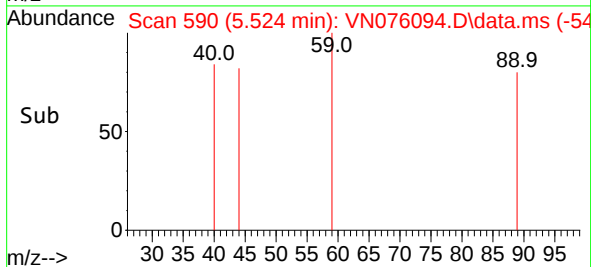
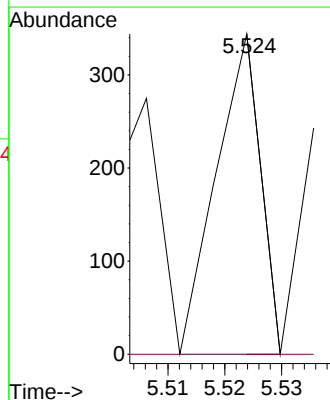
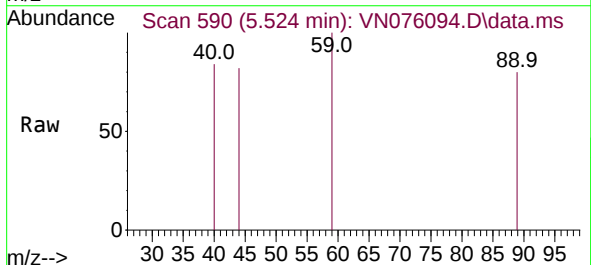
Instrument :
MSVOA_N
ClientSampleId :
TP-C3

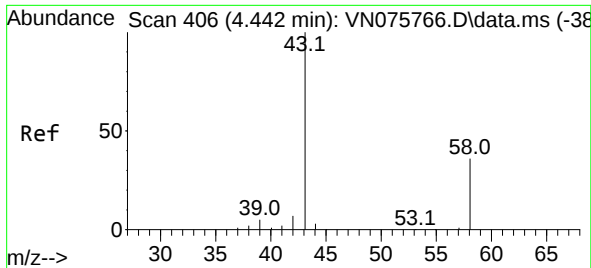
Tgt Ion:168 Resp: 324297
Ion Ratio Lower Upper
168 100
99 52.0 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.373 ug/l
RT: 5.524 min Scan# 590
Delta R.T. -0.012 min
Lab File: VN076094.D
Acq: 04 Jan 2023 20:19

Tgt Ion: 59 Resp: 186
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 33.603 ug/l

RT: 4.447 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN076094.D

Acq: 04 Jan 2023 20:19

Instrument :

MSVOA_N

ClientSampleId :

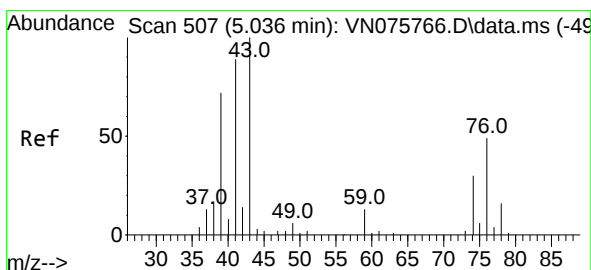
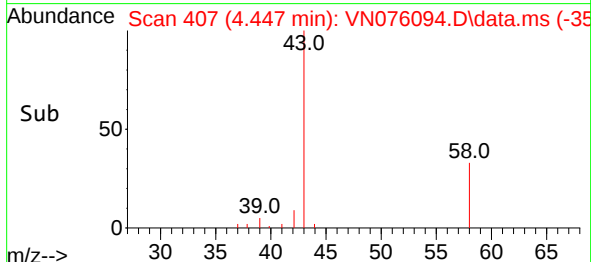
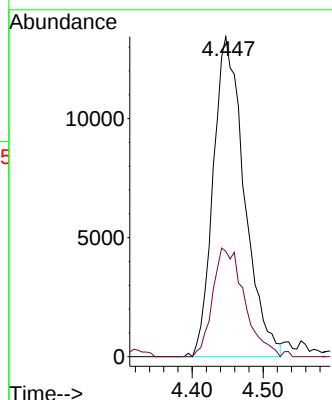
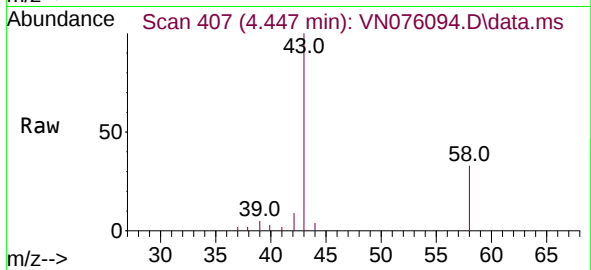
TP-C3

Tgt Ion: 43 Resp: 40868

Ion Ratio Lower Upper

43 100

58 32.9 28.6 43.0



#18

Methyl Acetate

Concen: 0.886 ug/l

RT: 5.042 min Scan# 508

Delta R.T. 0.006 min

Lab File: VN076094.D

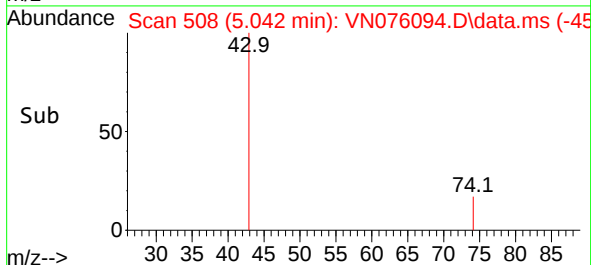
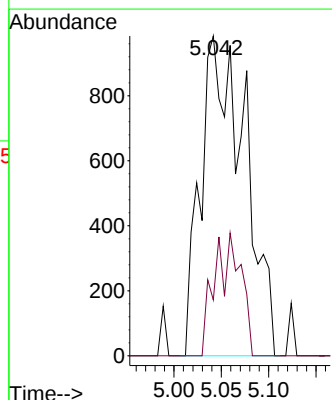
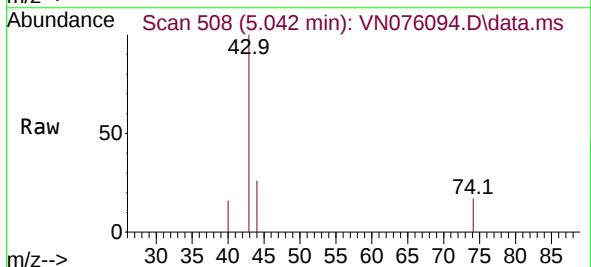
Acq: 04 Jan 2023 20:19

Tgt Ion: 43 Resp: 3185

Ion Ratio Lower Upper

43 100

74 10.6 23.6 35.4#

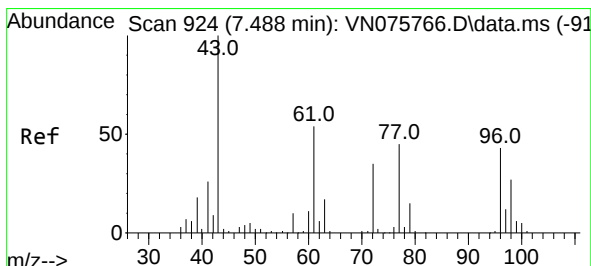
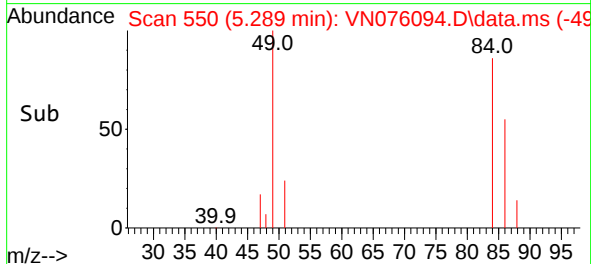
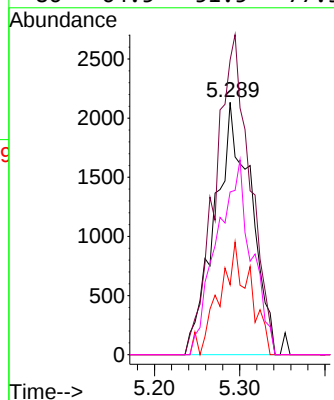
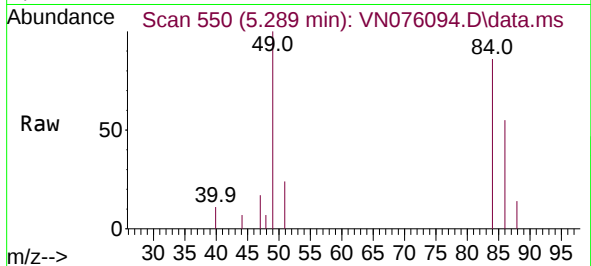




#20
Methylene Chloride
Concen: 1.318 ug/l
RT: 5.289 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN076094.D
Acq: 04 Jan 2023 20:19

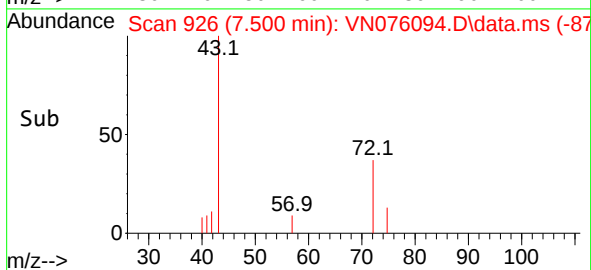
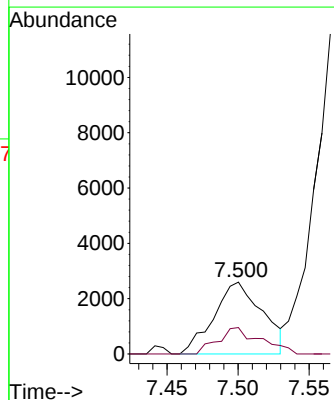
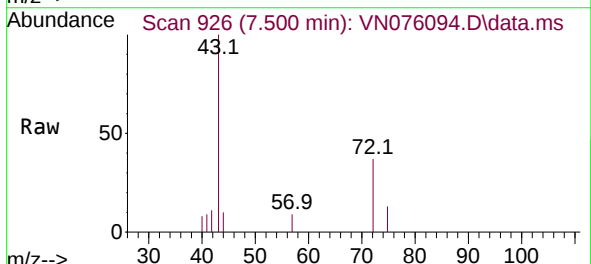
Instrument :
MSVOA_N
ClientSampleId :
TP-C3

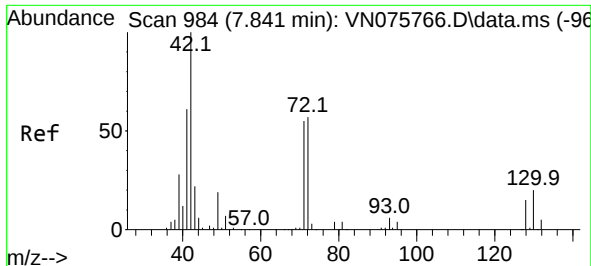
Tgt Ion: 84	Resp: 6318
Ion Ratio	Lower Upper
84 100	
49 116.8	81.8 122.6
51 27.7	26.7 40.1
86 64.5	51.5 77.3



#25
2-Butanone
Concen: 3.627 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN076094.D
Acq: 04 Jan 2023 20:19

Tgt Ion: 43	Resp: 6177		
Ion Ratio	Lower	Upper	
43 100			
72 36.7	28.0	42.0	

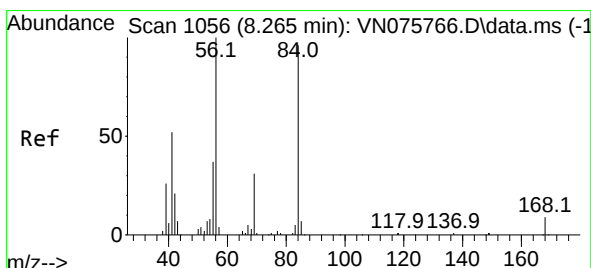
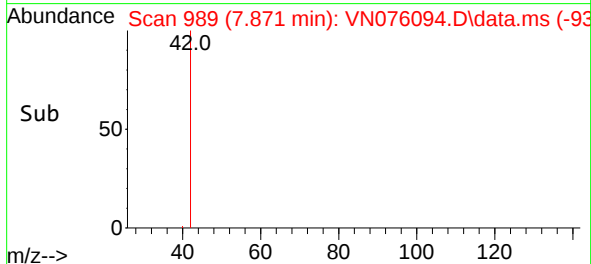
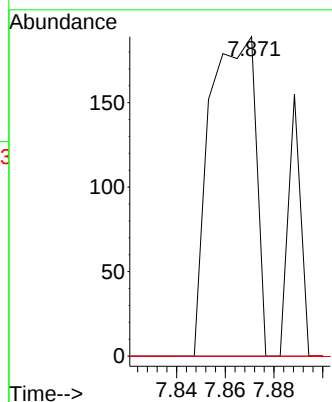
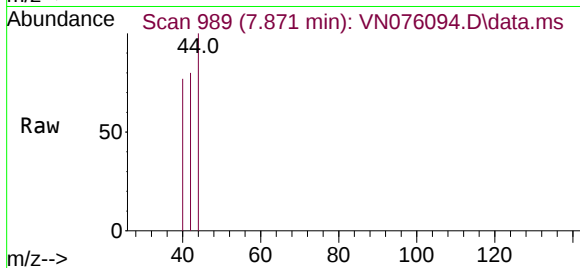




#29
Tetrahydrofuran
Concen: 0.231 ug/l
RT: 7.871 min Scan# 91
Delta R.T. 0.029 min
Lab File: VN076094.D
Acq: 04 Jan 2023 20:19

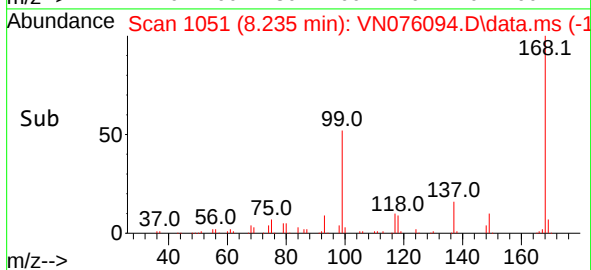
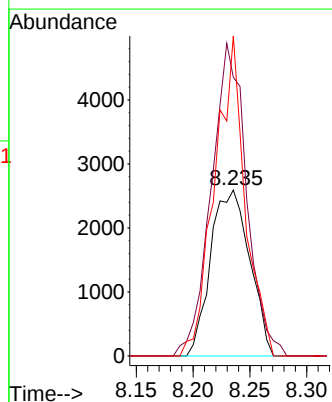
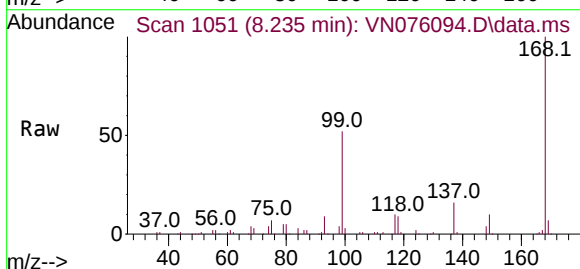
Instrument :
MSVOA_N
ClientSampleId :
TP-C3

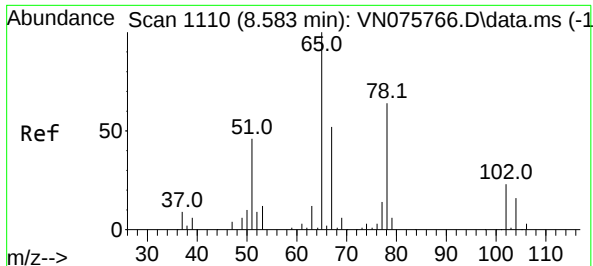
Tgt Ion: 42 Resp: 246
Ion Ratio Lower Upper
42 100
72 0.0 44.5 66.7#
71 0.0 41.0 61.6#



#31
Cyclohexane
Concen: 1.227 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.029 min
Lab File: VN076094.D
Acq: 04 Jan 2023 20:19

Tgt Ion: 56 Resp: 6199
Ion Ratio Lower Upper
56 100
69 161.8 24.7 37.1#
84 192.9 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 49.229 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN076094.D

Acq: 04 Jan 2023 20:19

Instrument :

MSVOA_N

ClientSampleId :

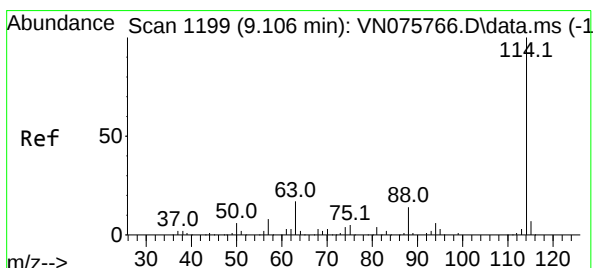
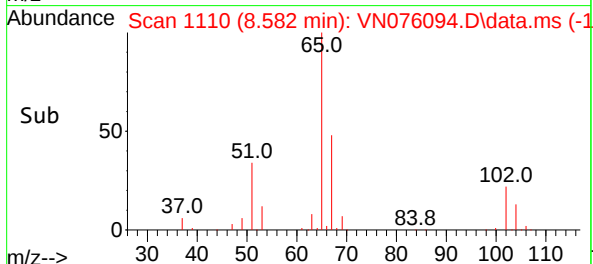
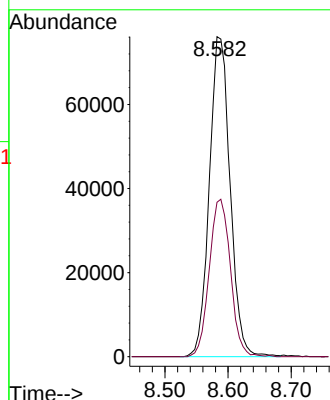
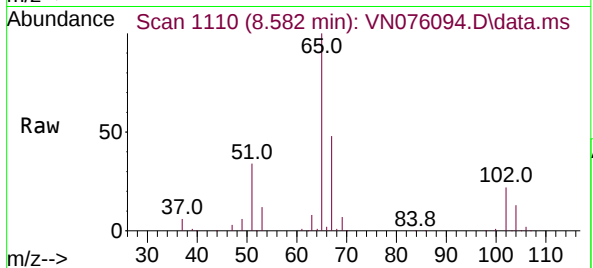
TP-C3

Tgt Ion: 65 Resp: 173683

Ion Ratio Lower Upper

65 100

67 50.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076094.D

Acq: 04 Jan 2023 20:19

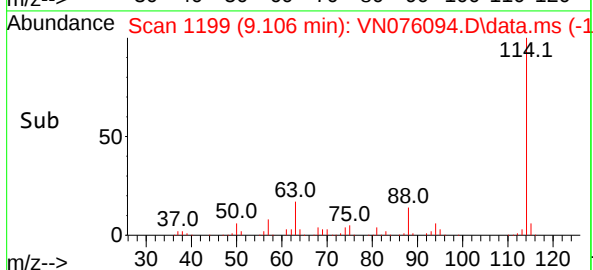
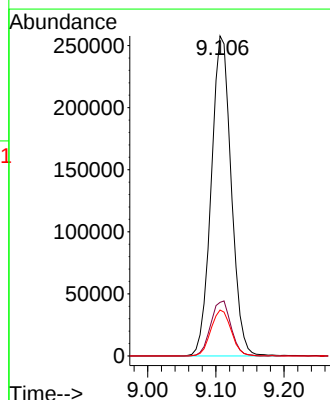
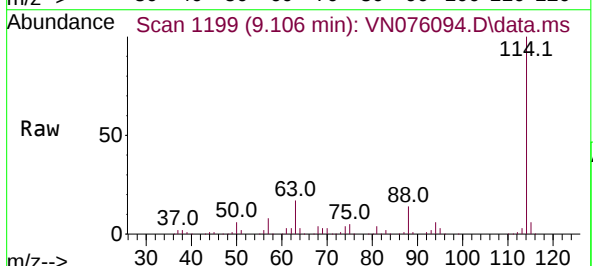
Tgt Ion: 114 Resp: 526376

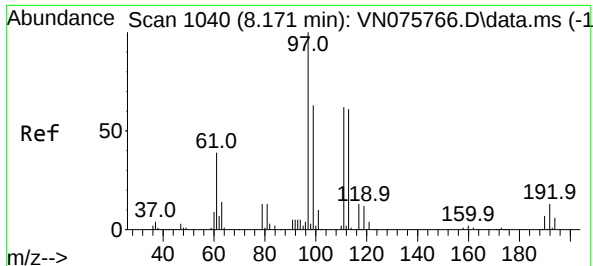
Ion Ratio Lower Upper

114 100

63 16.8 0.0 34.4

88 14.4 0.0 28.8





#35

Dibromofluoromethane

Concen: 47.213 ug/l

RT: 8.177 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076094.D

Acq: 04 Jan 2023 20:19

Instrument :

MSVOA_N

ClientSampleId :

TP-C3

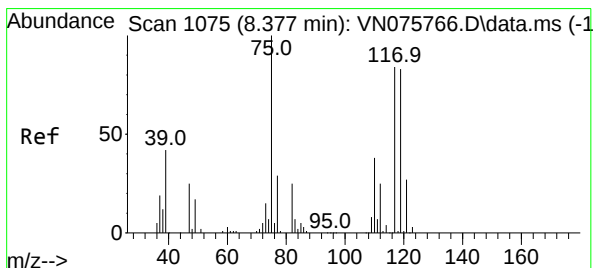
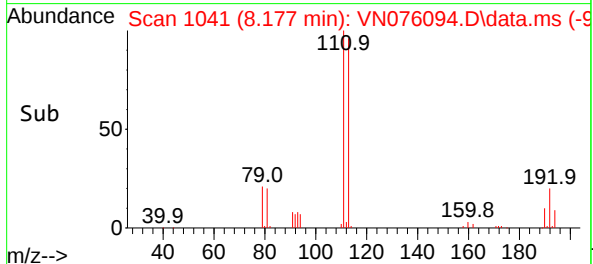
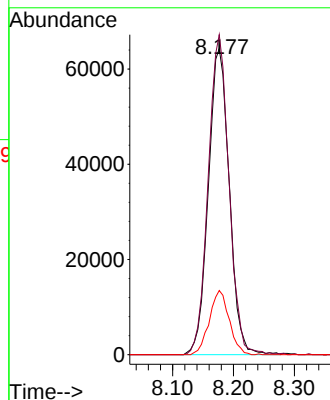
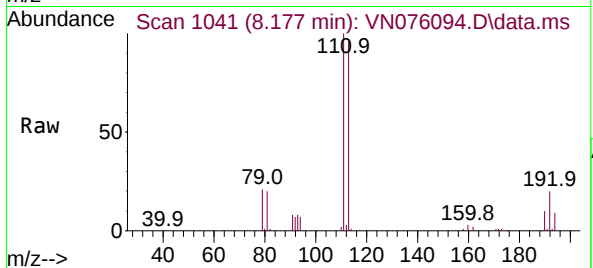
Tgt Ion:113 Resp: 153904

Ion Ratio Lower Upper

113 100

111 103.6 83.4 125.2

192 19.8 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.468 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.141 min

Lab File: VN076094.D

Acq: 04 Jan 2023 20:19

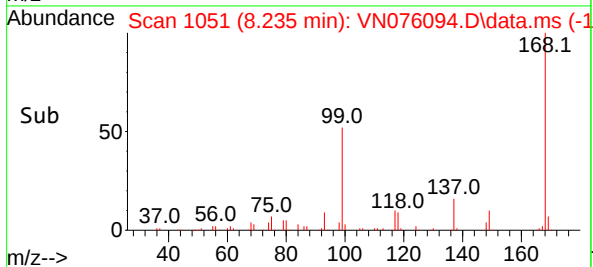
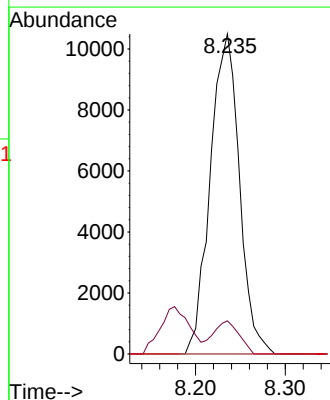
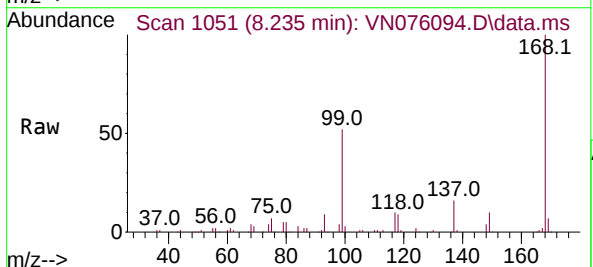
Tgt Ion: 75 Resp: 23680

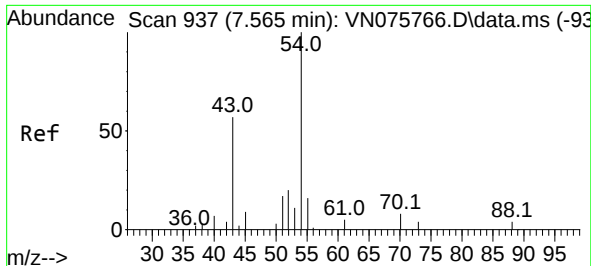
Ion Ratio Lower Upper

75 100

110 9.3 18.8 56.4#

77 0.0 24.1 36.1#

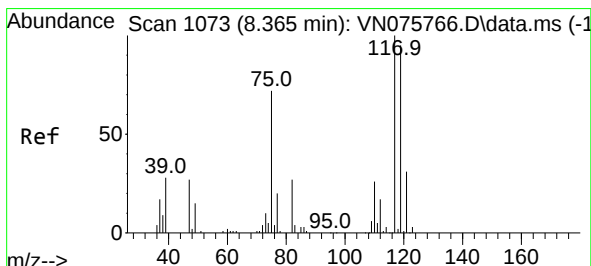
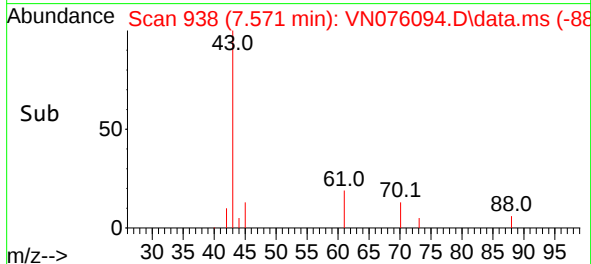
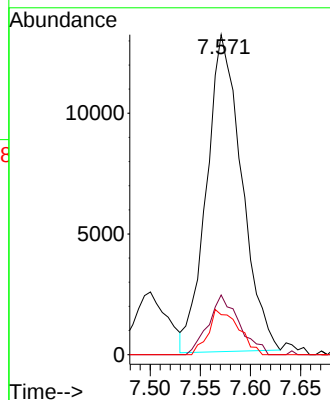
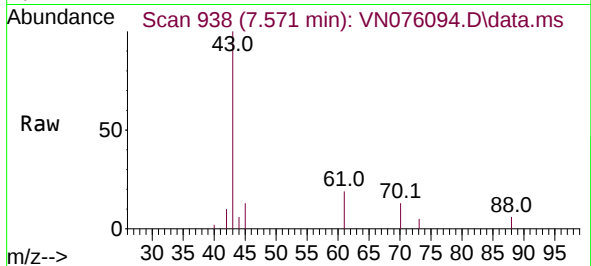




#37
Ethyl Acetate
Concen: 9.201 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076094.D
Acq: 04 Jan 2023 20:19

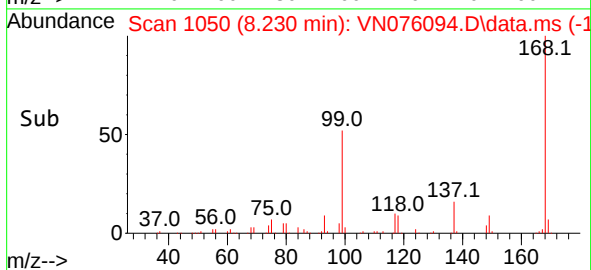
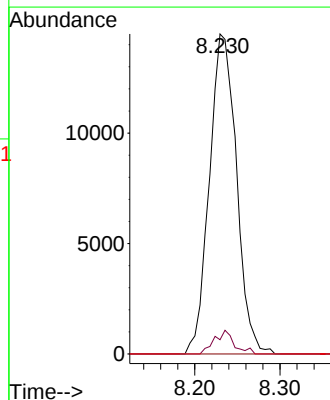
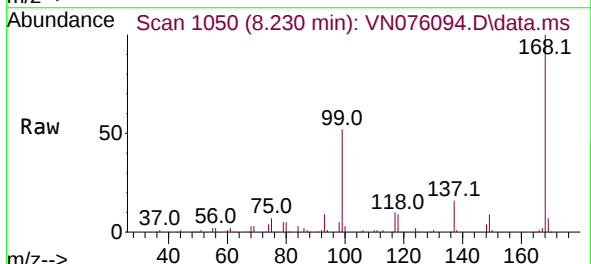
Instrument :
MSVOA_N
ClientSampleId :
TP-C3

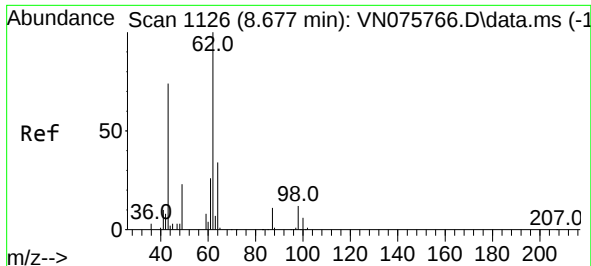
Tgt Ion:	43	Resp:	32002
Ion	Ratio	Lower	Upper
43	100		
61	16.5	13.0	19.4
70	12.2	9.4	14.0



#38
Carbon Tetrachloride
Concen: 6.610 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076094.D
Acq: 04 Jan 2023 20:19

Tgt Ion:	117	Resp:	32036
Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.1	114.1#
121	0.0	24.5	36.7#





#42

1,2-Dichloroethane

Concen: 0.355 ug/l

RT: 8.688 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VN076094.D

Acq: 04 Jan 2023 20:19

Instrument :

MSVOA_N

ClientSampleId :

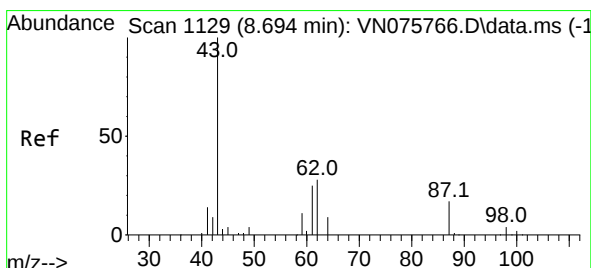
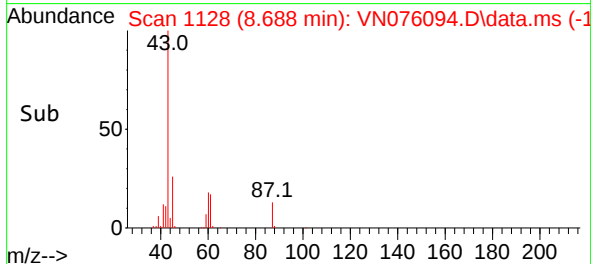
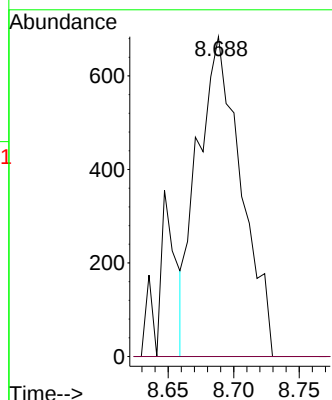
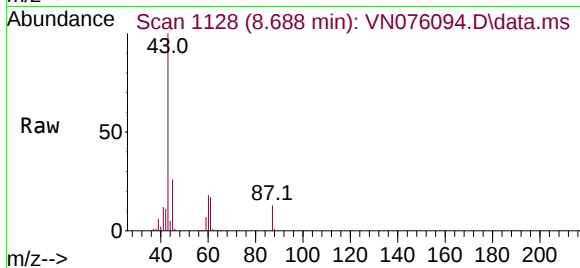
TP-C3

Tgt Ion: 62 Resp: 1577

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.8



#43

Isopropyl Acetate

Concen: 53.409 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VN076094.D

Acq: 04 Jan 2023 20:19

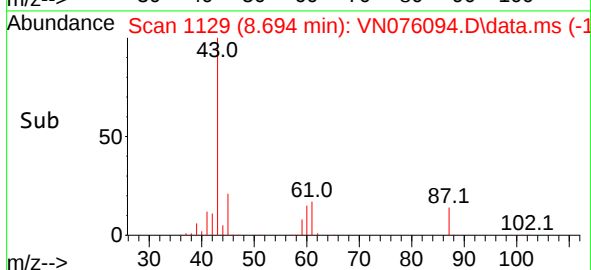
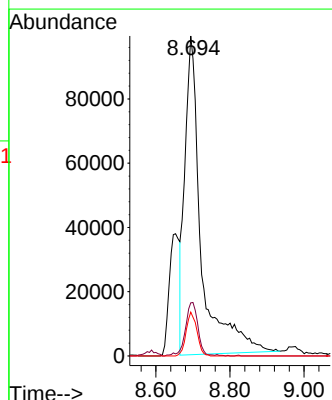
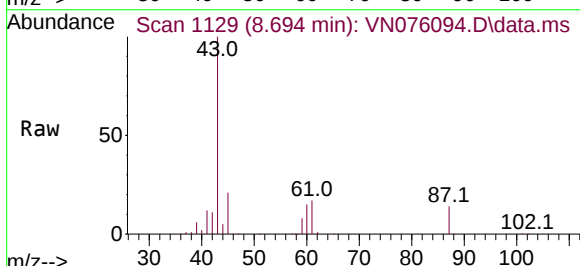
Tgt Ion: 43 Resp: 306445

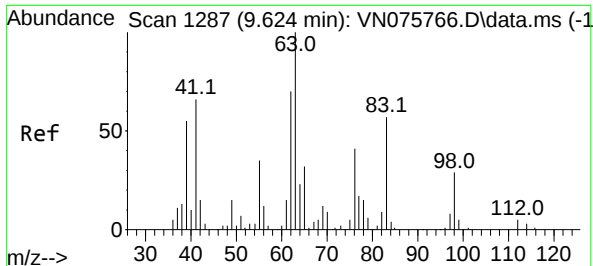
Ion Ratio Lower Upper

43 100

61 12.7 24.2 36.4#

87 9.0 13.3 19.9#





#45

1,2-Dichloropropane

Concen: 0.595 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN076094.D

Acq: 04 Jan 2023 20:19

Instrument :

MSVOA_N

ClientSampleId :

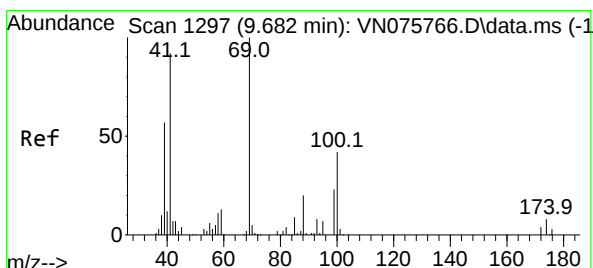
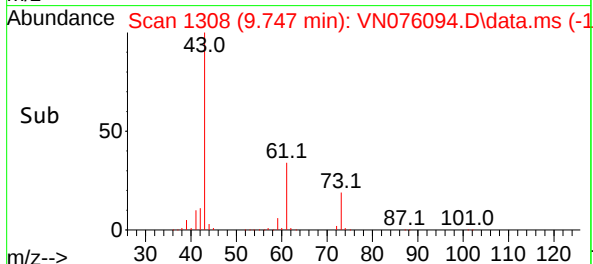
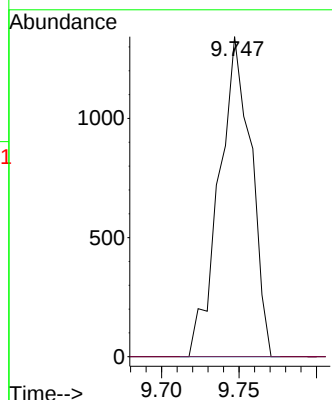
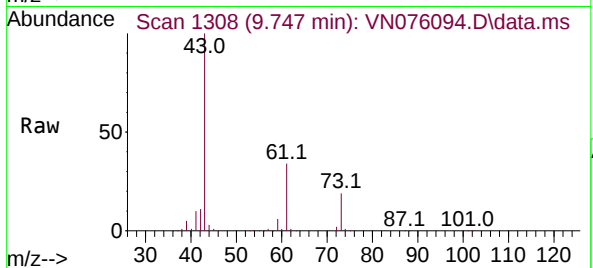
TP-C3

Tgt Ion: 63 Resp: 1936

Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#



#48

Methyl methacrylate

Concen: 53.415 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.065 min

Lab File: VN076094.D

Acq: 04 Jan 2023 20:19

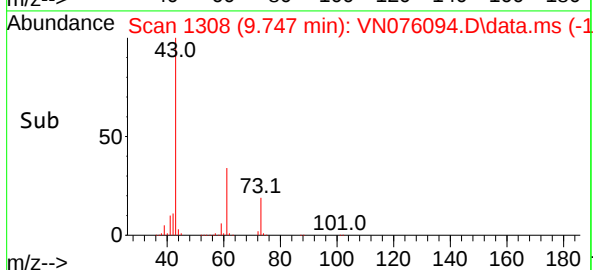
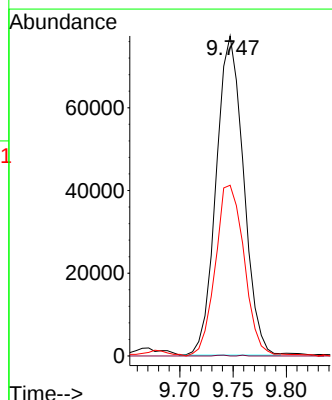
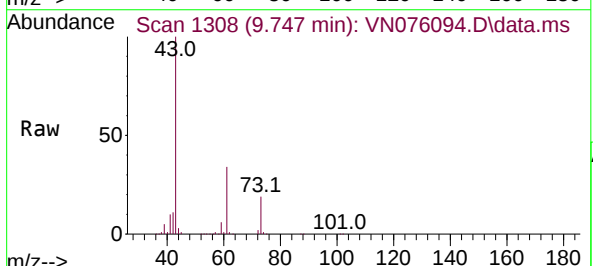
Tgt Ion: 41 Resp: 138035

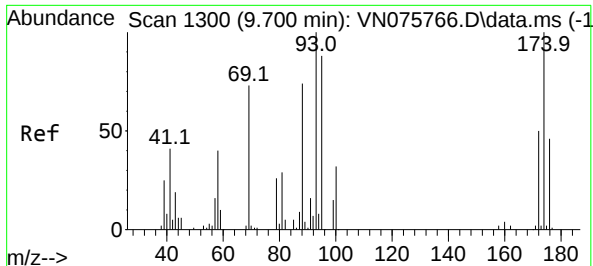
Ion Ratio Lower Upper

41 100

69 0.1 81.9 122.9#

39 56.7 51.6 77.4





#49

1,4-Dioxane

Concen: 3.573 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.047 min

Lab File: VN076094.D

Acq: 04 Jan 2023 20:19

Instrument :

MSVOA_N

ClientSampleId :

TP-C3

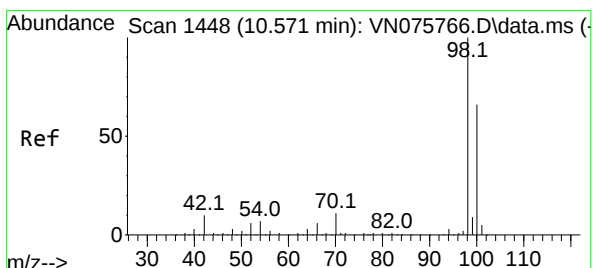
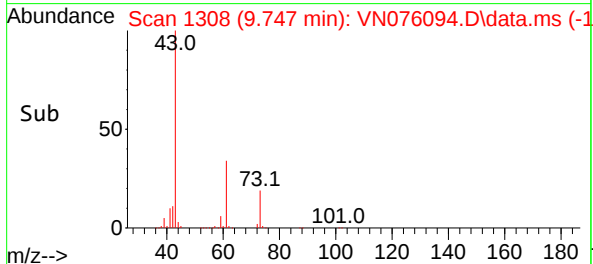
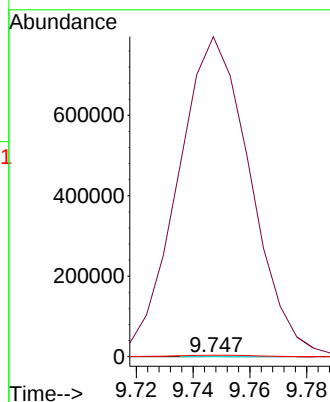
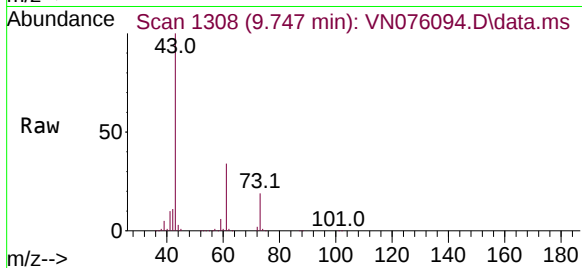
Tgt Ion: 88 Resp: 227

Ion Ratio Lower Upper

88 100

43 631462.6 17.1 25.7#

58 3226.9 47.8 71.8#



#50

Toluene-d8

Concen: 50.452 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076094.D

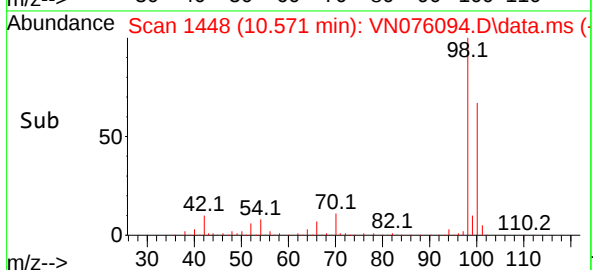
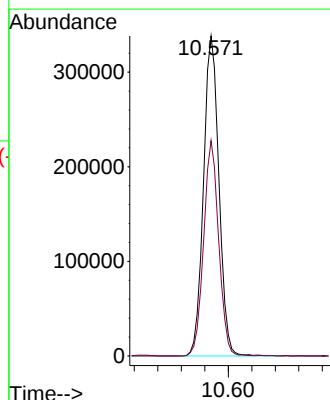
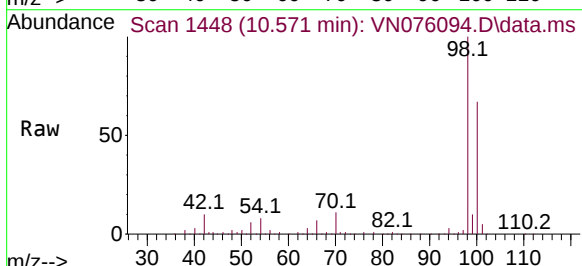
Acq: 04 Jan 2023 20:19

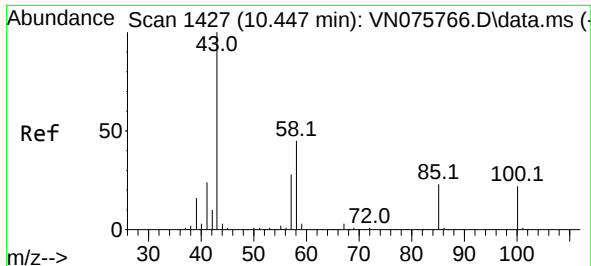
Tgt Ion: 98 Resp: 614899

Ion Ratio Lower Upper

98 100

100 65.5 52.1 78.1

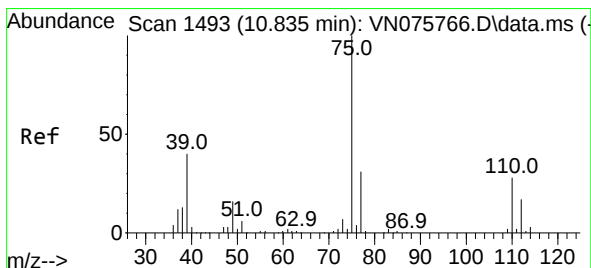
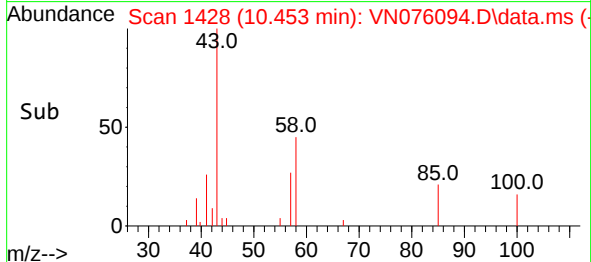
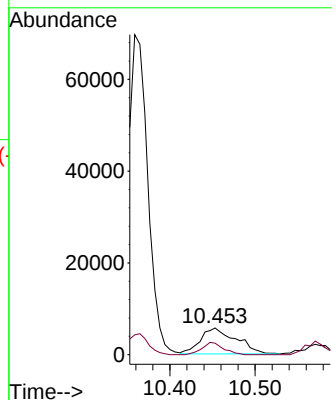
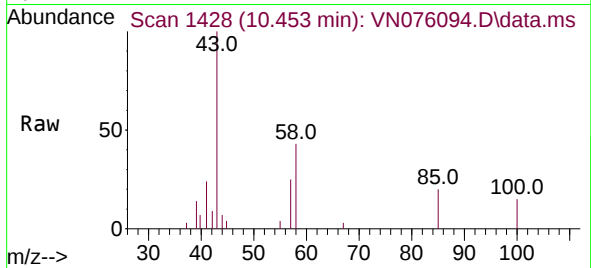




#51
4-Methyl-2-Pentanone
Concen: 4.731 ug/l
RT: 10.453 min Scan# 1427
Delta R.T. 0.006 min
Lab File: VN076094.D
Acq: 04 Jan 2023 20:19

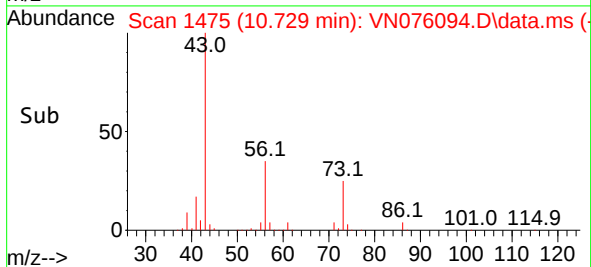
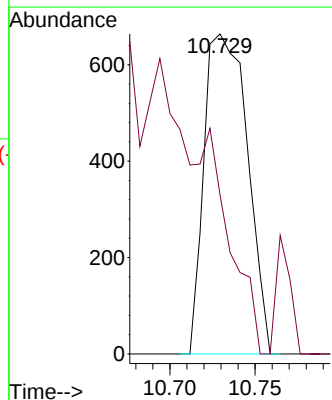
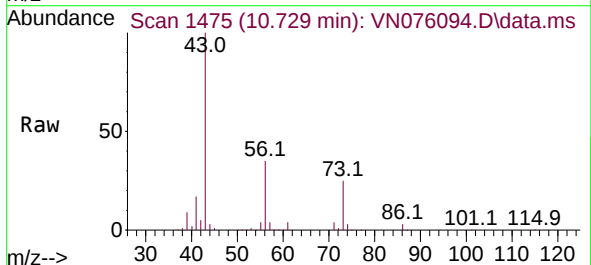
Instrument :
MSVOA_N
ClientSampleId :
TP-C3

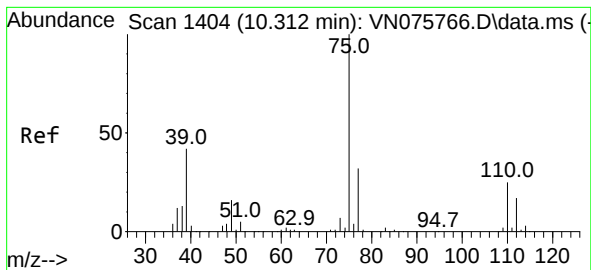
Tgt Ion: 43 Resp: 16416
Ion Ratio Lower Upper
43 100
58 28.3 35.5 53.3#



#53
t-1,3-Dichloropropene
Concen: 0.253 ug/l
RT: 10.729 min Scan# 1475
Delta R.T. -0.106 min
Lab File: VN076094.D
Acq: 04 Jan 2023 20:19

Tgt Ion: 75 Resp: 1170
Ion Ratio Lower Upper
75 100
77 12.7 24.9 37.3#

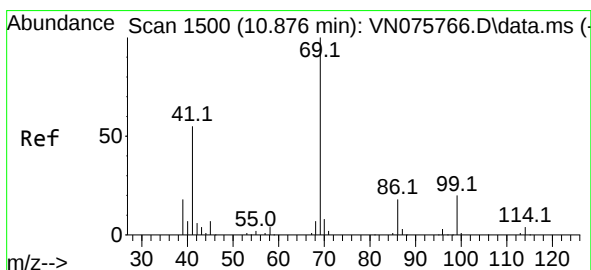
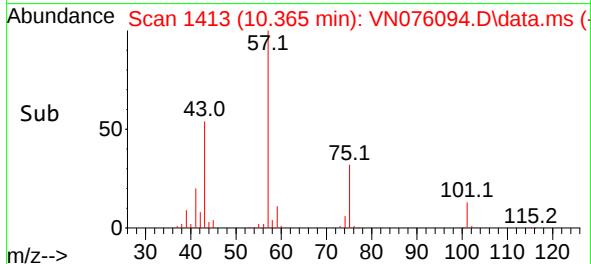
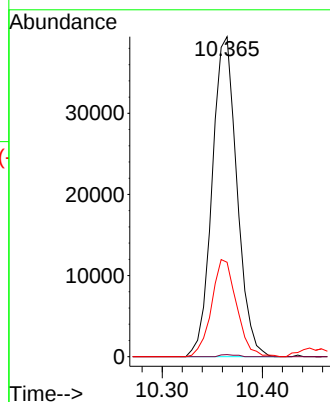
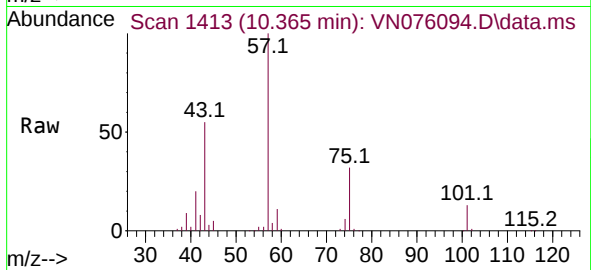




#54
 cis-1,3-Dichloropropene
 Concen: 13.334 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.053 min
 Lab File: VN076094.D
 Acq: 04 Jan 2023 20:19

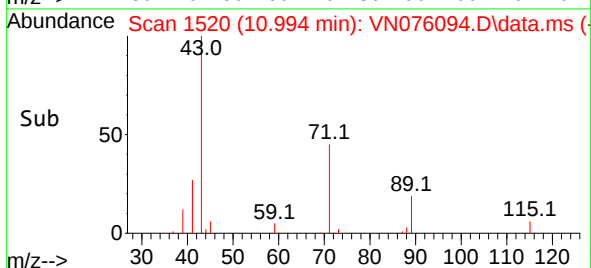
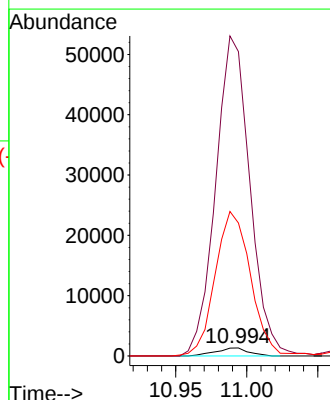
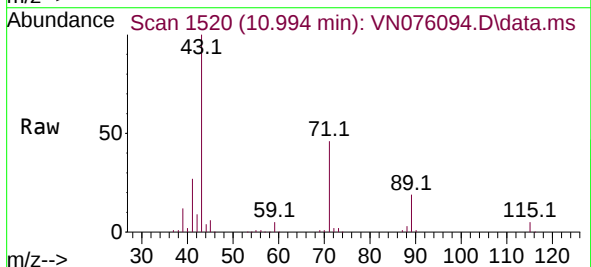
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-C3

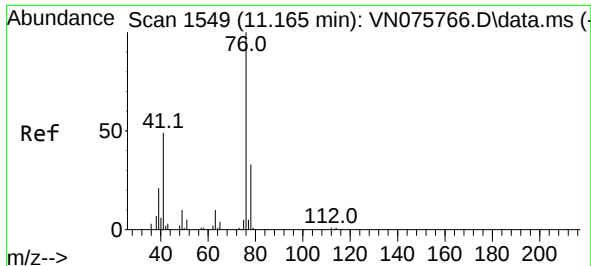
Tgt Ion: 75 Resp: 67767
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.8 38.8#
 39 29.5 33.4 50.2#



#56
 Ethyl methacrylate
 Concen: 0.466 ug/l
 RT: 10.994 min Scan# 1520
 Delta R.T. 0.118 min
 Lab File: VN076094.D
 Acq: 04 Jan 2023 20:19

Tgt Ion: 69 Resp: 2115
 Ion Ratio Lower Upper
 69 100
 41 4216.1 44.2 66.4#
 39 1973.9 26.4 39.6#





#57

1,3-Dichloropropane

Concen: 1.643 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN076094.D

Acq: 04 Jan 2023 20:19

Instrument :

MSVOA_N

ClientSampleId :

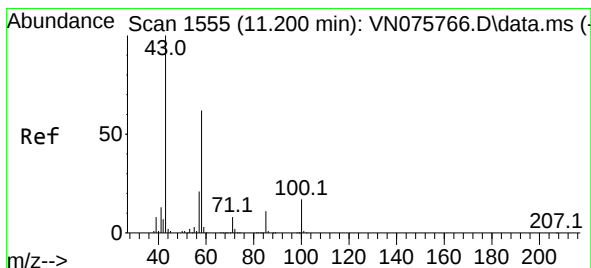
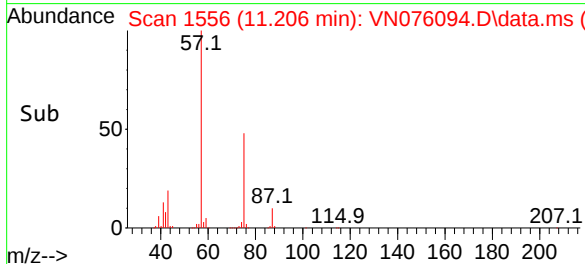
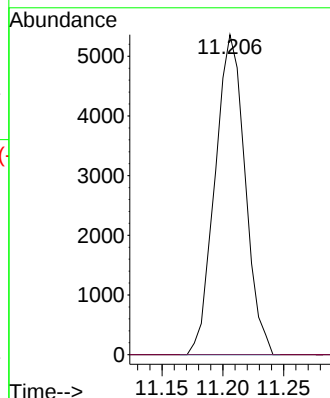
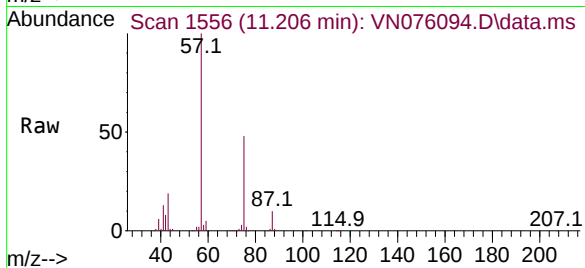
TP-C3

Tgt Ion: 76 Resp: 9202

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 56.439 ug/l

RT: 11.176 min Scan# 1551

Delta R.T. -0.024 min

Lab File: VN076094.D

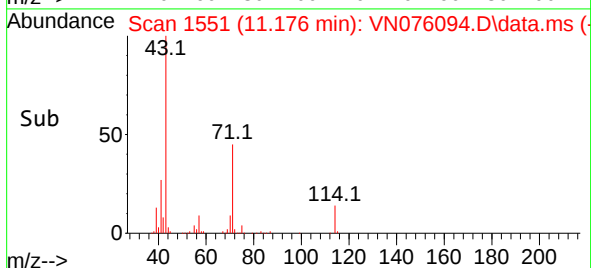
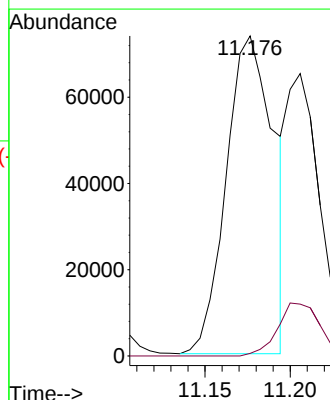
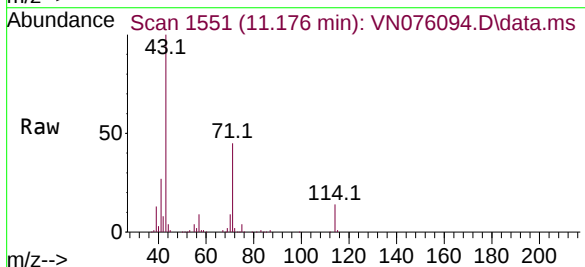
Acq: 04 Jan 2023 20:19

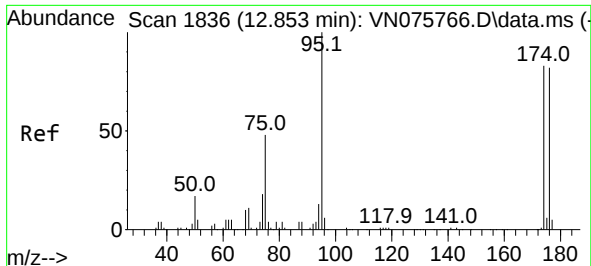
Tgt Ion: 43 Resp: 142818

Ion Ratio Lower Upper

43 100

58 0.0 30.6 92.0#

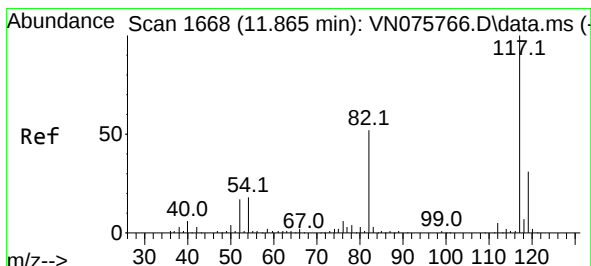
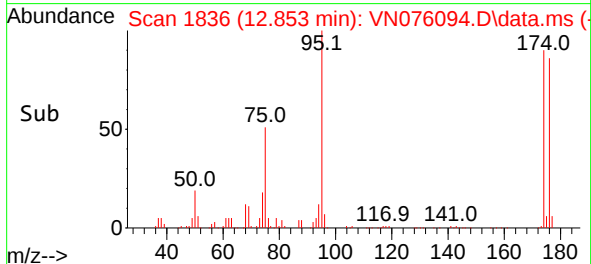
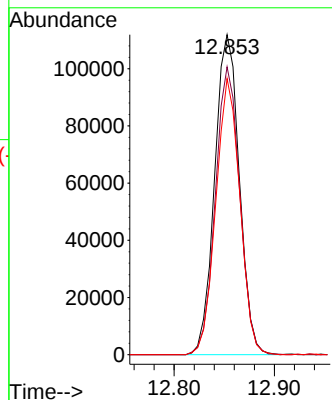
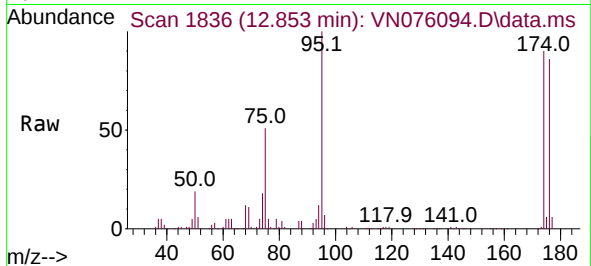




#62
4-Bromofluorobenzene
Concen: 47.368 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076094.D
Acq: 04 Jan 2023 20:19

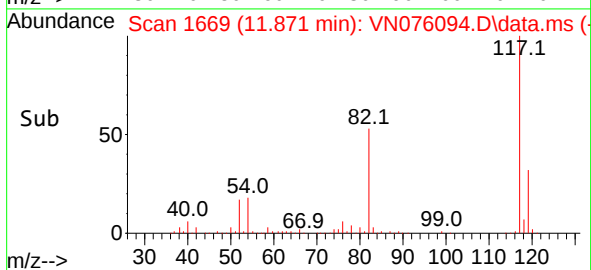
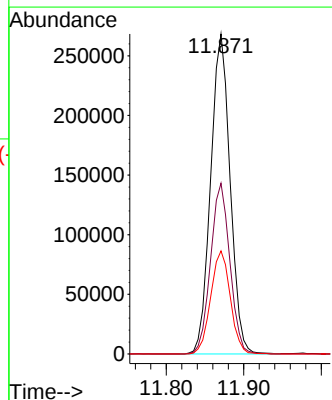
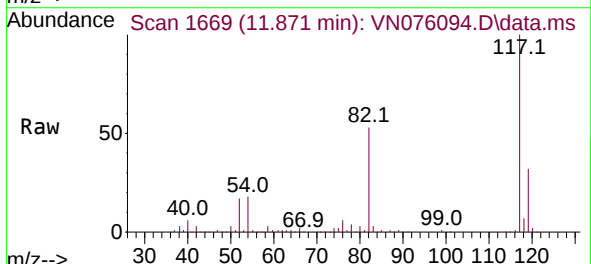
Instrument :
MSVOA_N
ClientSampleId :
TP-C3

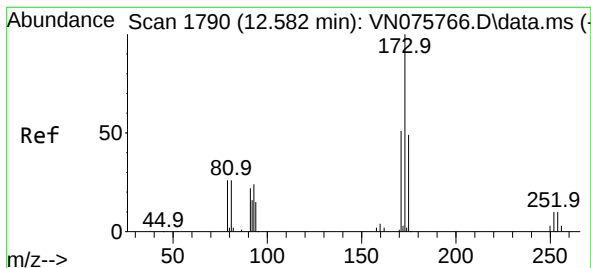
Tgt Ion: 95 Resp: 191215
Ion Ratio Lower Upper
95 100
174 88.7 0.0 171.6
176 84.3 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076094.D
Acq: 04 Jan 2023 20:19

Tgt Ion: 117 Resp: 468110
Ion Ratio Lower Upper
117 100
82 53.4 41.3 61.9
119 32.2 24.6 37.0





#71

Bromoform

Concen: 0.577 ug/l

RT: 12.841 min Scan# 1834

Delta R.T. 0.259 min

Lab File: VN076094.D

Acq: 04 Jan 2023 20:19

Instrument :

MSVOA_N

ClientSampleId :

TP-C3

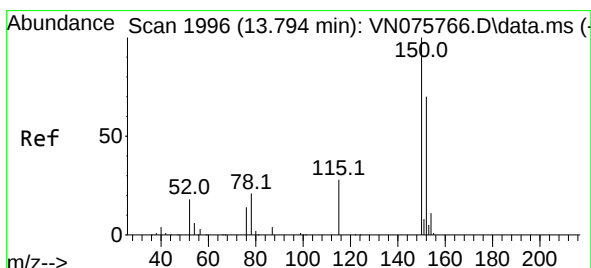
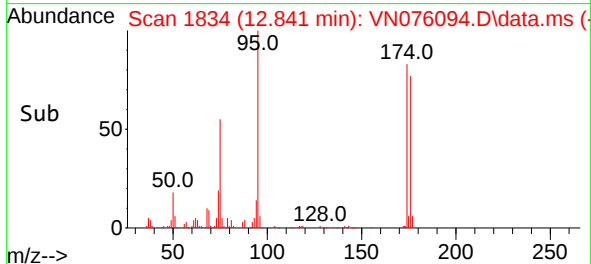
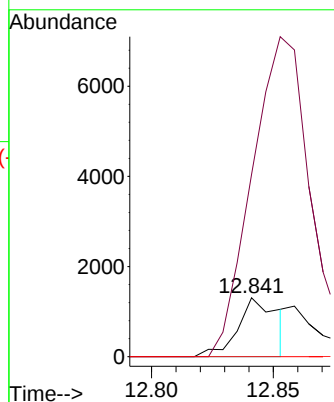
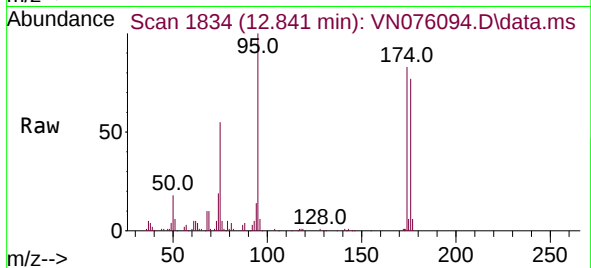
Tgt Ion:173 Resp: 1493

Ion Ratio Lower Upper

173 100

175 625.3 24.3 72.8#

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: VN076094.D

Acq: 04 Jan 2023 20:19

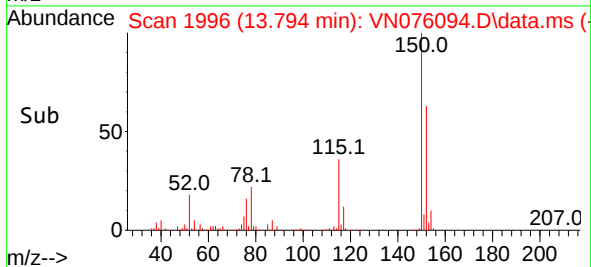
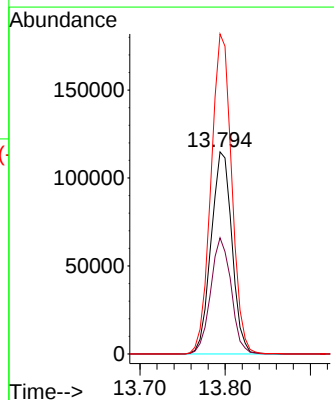
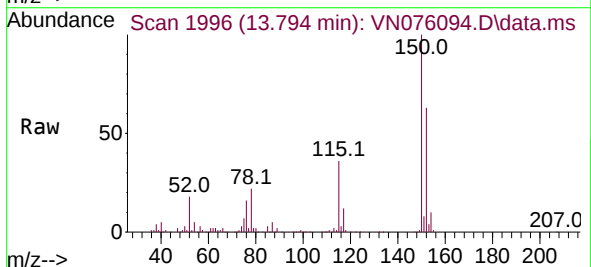
Tgt Ion:152 Resp: 195045

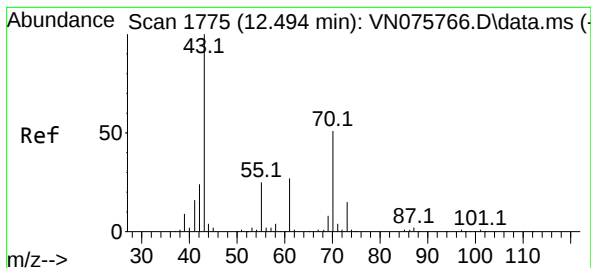
Ion Ratio Lower Upper

152 100

115 56.4 29.1 87.4

150 157.1 0.0 347.0





#74

N-amyl acetate

Concen: 0.335 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN076094.D

Acq: 04 Jan 2023 20:19

Instrument :

MSVOA_N

ClientSampleId :

TP-C3

Tgt Ion: 43 Resp: 1386

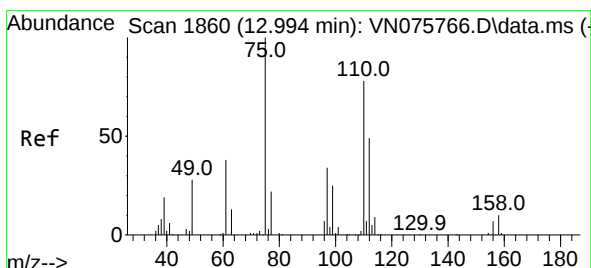
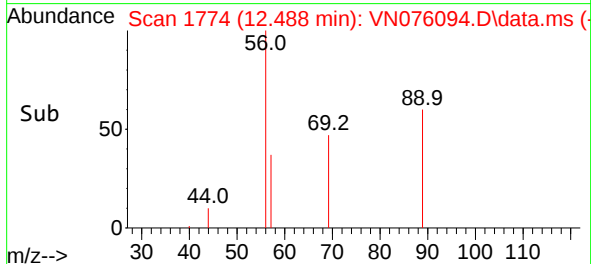
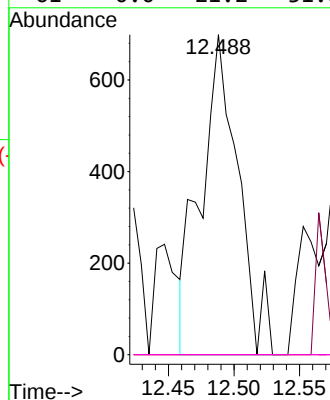
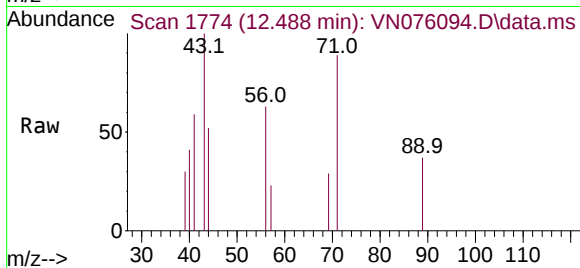
Ion Ratio Lower Upper

43 100

70 0.0 41.4 62.0#

55 0.0 21.3 31.9#

61 0.0 21.2 31.8#



#76

1,2,3-Trichloropropane

Concen: 25.173 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076094.D

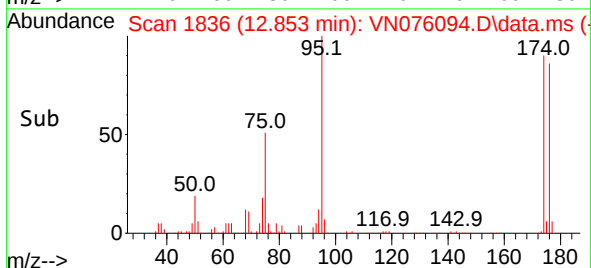
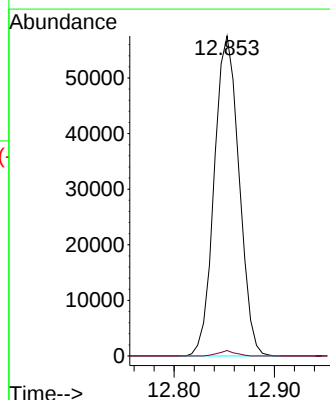
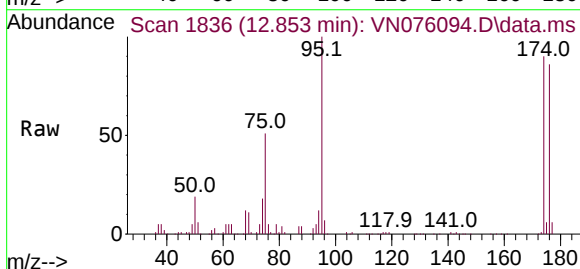
Acq: 04 Jan 2023 20:19

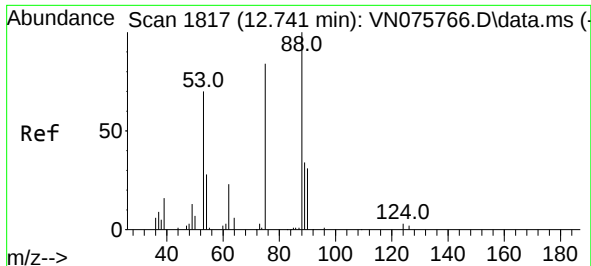
Tgt Ion: 75 Resp: 98970

Ion Ratio Lower Upper

75 100

77 1.1 82.6 247.8#

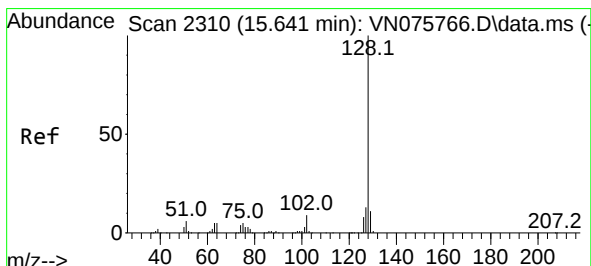
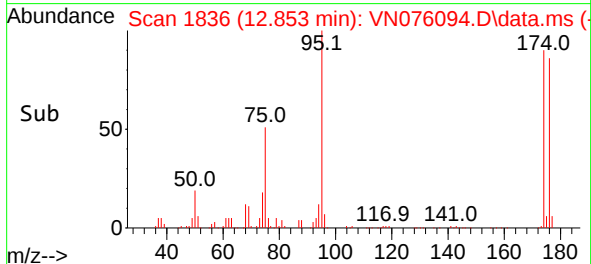
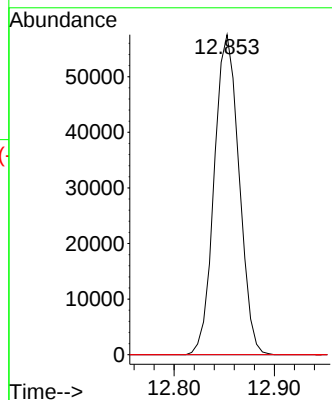
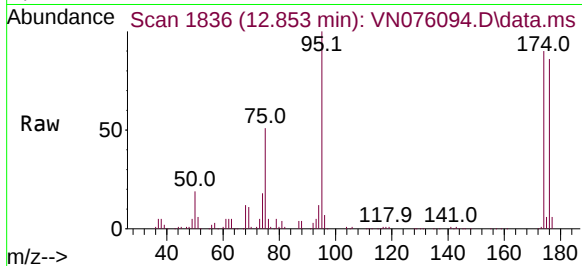




#81
trans-1,4-Dichloro-2-butene
Concen: 90.609 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076094.D
Acq: 04 Jan 2023 20:19

Instrument :
MSVOA_N
ClientSampleId :
TP-C3

Tgt Ion: 75 Resp: 98970
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.226 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN076094.D
Acq: 04 Jan 2023 20:19

Tgt Ion:128 Resp: 542
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#

