

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010423\
 Data File : VN076092.D
 Acq On : 04 Jan 2023 19:31
 Operator : JC\MD
 Sample : N6248-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-20

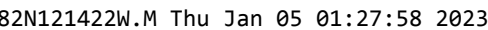
Quant Time: Jan 05 01:27:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

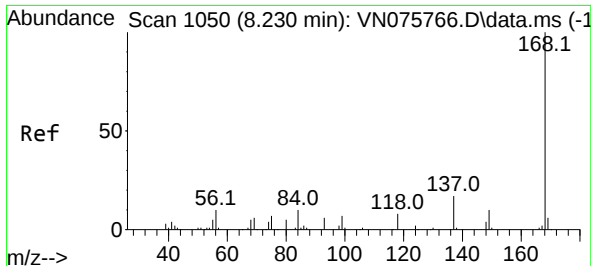
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.235	168	331545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	537535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	469351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	193801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	177016	49.077	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.160%		
35) Dibromofluoromethane	8.177	113	159095	47.792	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.580%		
50) Toluene-d8	10.570	98	628218	50.474	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.940%		
62) 4-Bromofluorobenzene	12.853	95	187783	45.552	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.100%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.541	59	356	0.698	ug/l #	72
16) Acetone	4.447	43	39624	31.868	ug/l	90
18) Methyl Acetate	5.059	43	2715	0.739	ug/l #	73
20) Methylene Chloride	5.300	84	6768	1.413	ug/l	92
25) 2-Butanone	7.506	43	5947	3.416	ug/l #	87
31) Cyclohexane	8.235	56	6042	1.170	ug/l #	5
36) 1,1-Dichloropropene	8.235	75	24623	5.568	ug/l #	50
37) Ethyl Acetate	7.577	43	29446	8.290	ug/l	98
38) Carbon Tetrachloride	8.235	117	34330	6.936	ug/l #	17
40) Benzene	8.612	78	6500	0.476	ug/l	99
42) 1,2-Dichloroethane	8.682	62	964	0.213	ug/l #	72
43) Isopropyl Acetate	8.700	43	223729	38.184	ug/l #	79
48) Methyl methacrylate	9.676	41	3691	1.399	ug/l #	38
49) 1,4-Dioxane	9.671	88	56	0.863	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	14588	4.117	ug/l #	73
53) t-1,3-Dichloropropene	10.735	75	1019	0.216	ug/l #	74
54) cis-1,3-Dichloropropene	10.359	75	61080	11.768	ug/l #	62
57) 1,3-Dichloropropane	11.200	76	6969	1.218	ug/l #	42
59) 2-Hexanone	11.176	43	122011	47.215	ug/l #	20
71) Bromoform	12.853	173	1417	0.546	ug/l #	1
74) N-amyl acetate	12.482	43	980	0.239	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	97595	24.982	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	97595	89.924	ug/l #	12
95) Naphthalene	15.647	128	321	2.207	ug/l #	69

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

Quant Time: Jan 05 01:27:50 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
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Response via : Initial Calibration

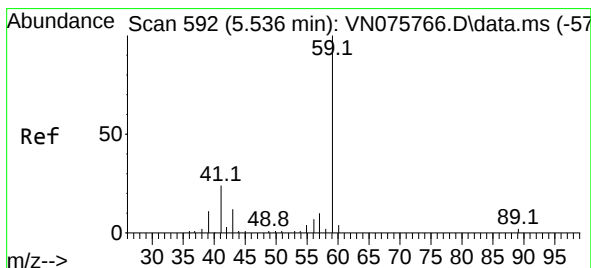
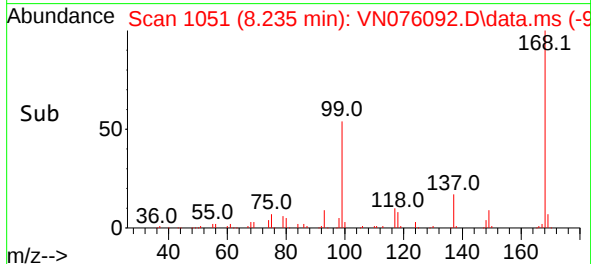
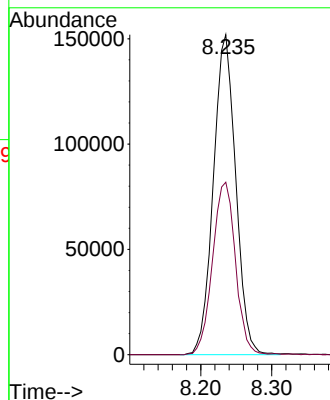
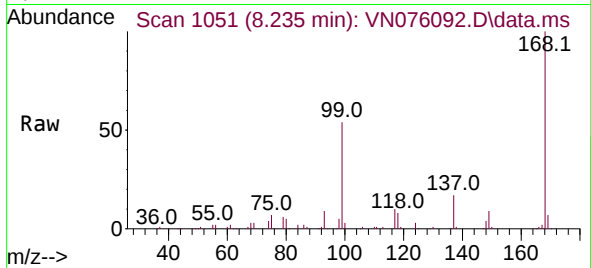




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1050
Delta R.T. 0.005 min
Lab File: VN076092.D
Acq: 04 Jan 2023 19:31

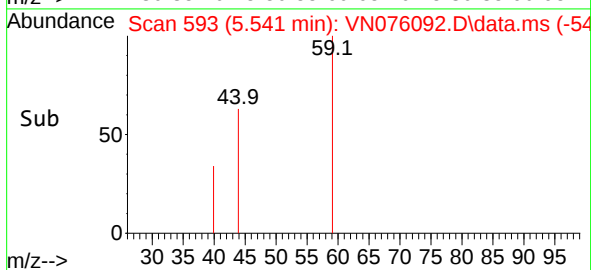
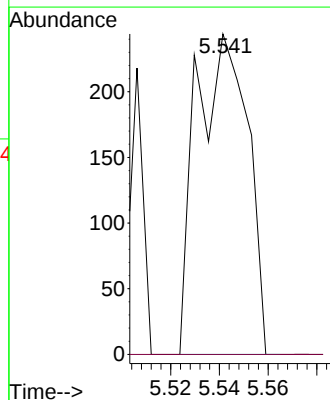
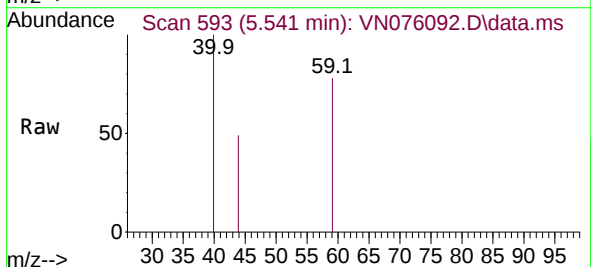
Instrument :
MSVOA_N
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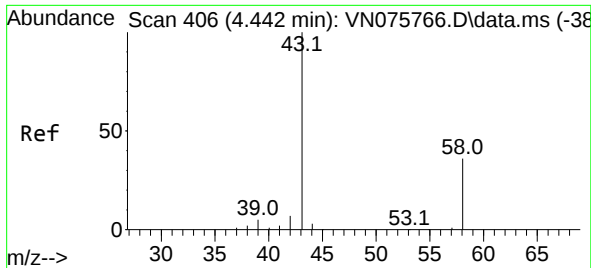
Tgt Ion:168 Resp: 331545
Ion Ratio Lower Upper
168 100
99 53.9 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.698 ug/l
RT: 5.541 min Scan# 593
Delta R.T. 0.006 min
Lab File: VN076092.D
Acq: 04 Jan 2023 19:31

Tgt Ion: 59 Resp: 356
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 31.868 ug/l

RT: 4.447 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN076092.D

Acq: 04 Jan 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

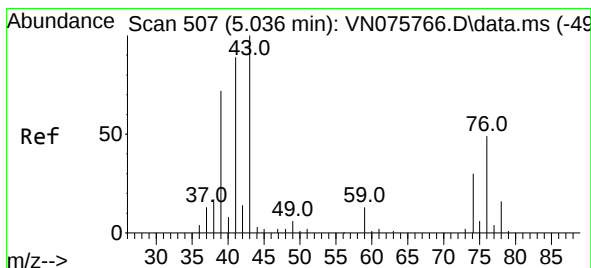
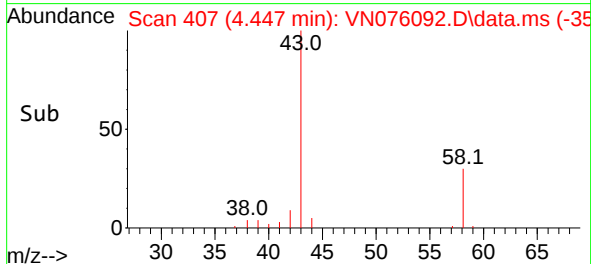
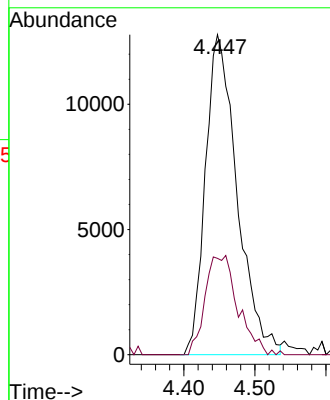
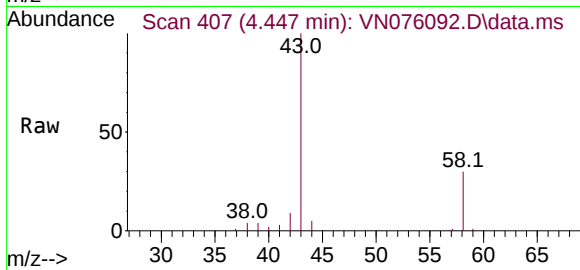
TP-20

Tgt Ion: 43 Resp: 39624

Ion Ratio Lower Upper

43 100

58 30.1 28.6 43.0



#18

Methyl Acetate

Concen: 0.739 ug/l

RT: 5.059 min Scan# 511

Delta R.T. 0.023 min

Lab File: VN076092.D

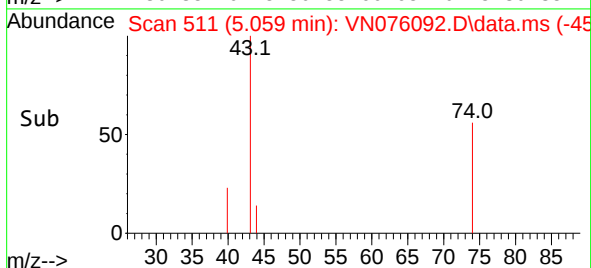
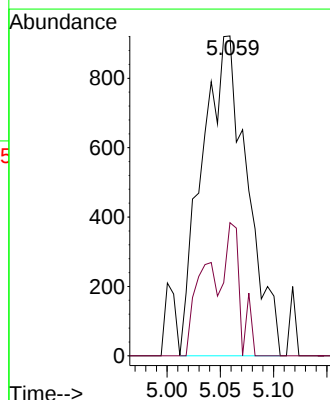
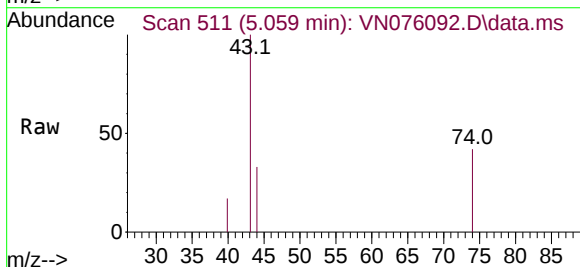
Acq: 04 Jan 2023 19:31

Tgt Ion: 43 Resp: 2715

Ion Ratio Lower Upper

43 100

74 14.9 23.6 35.4#





#20

Methylene Chloride

Concen: 1.413 ug/l

RT: 5.300 min Scan# 51

Delta R.T. 0.011 min

Lab File: VN076092.D

Acq: 04 Jan 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

TP-20

Tgt Ion: 84 Resp: 6768

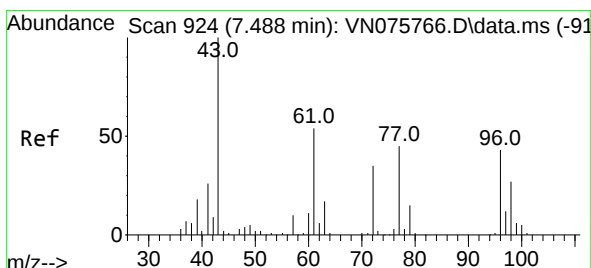
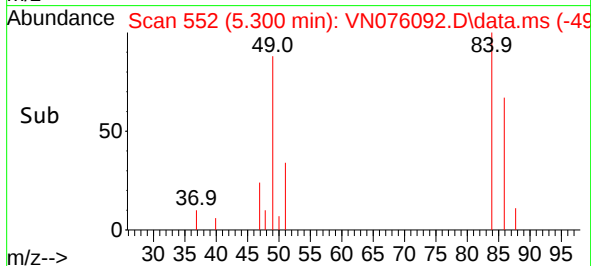
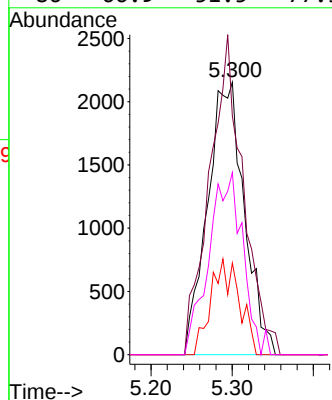
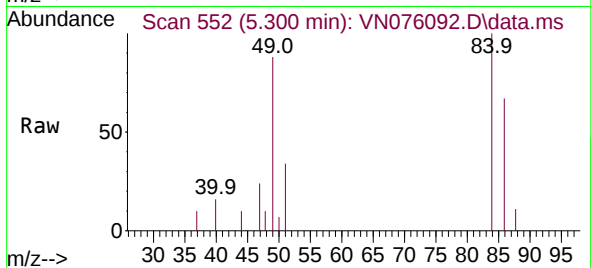
Ion Ratio Lower Upper

84 100

49 87.6 81.8 122.6

51 33.7 26.7 40.1

86 66.9 51.5 77.3



#25

2-Butanone

Concen: 3.416 ug/l

RT: 7.506 min Scan# 927

Delta R.T. 0.018 min

Lab File: VN076092.D

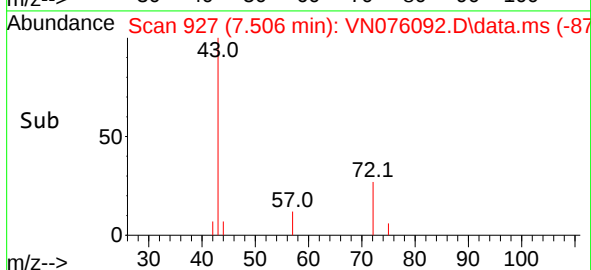
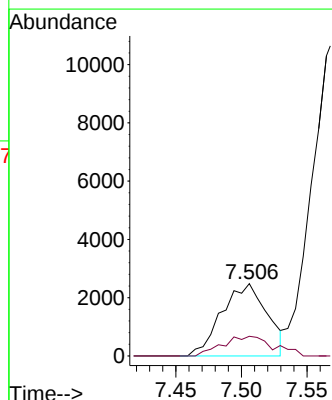
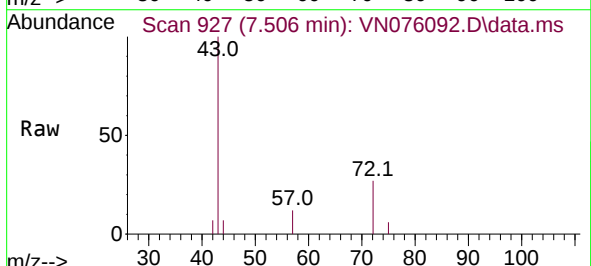
Acq: 04 Jan 2023 19:31

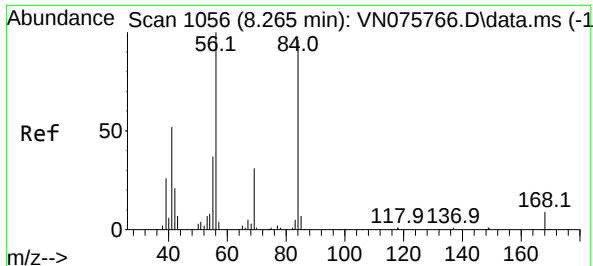
Tgt Ion: 43 Resp: 5947

Ion Ratio Lower Upper

43 100

72 27.2 28.0 42.0#

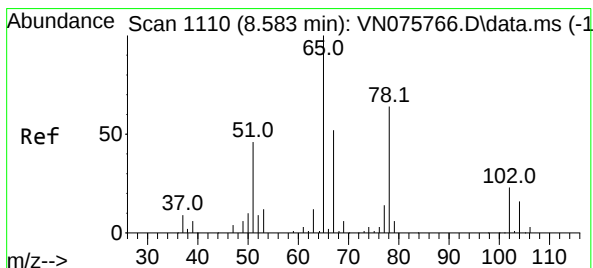
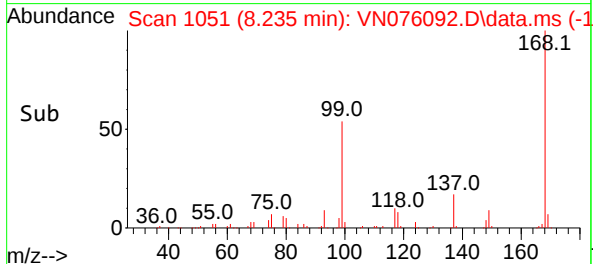
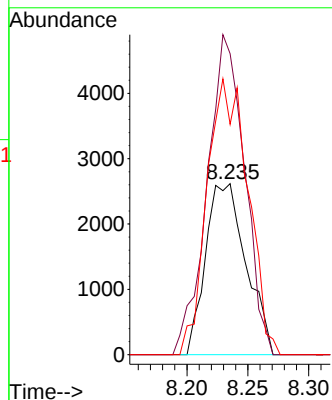
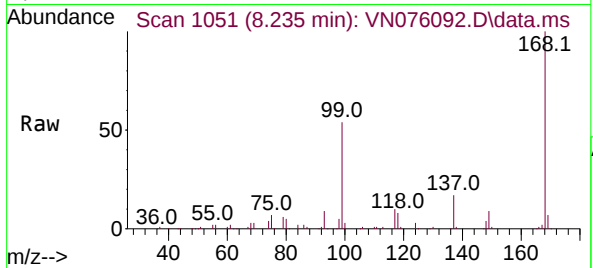




#31
Cyclohexane
Concen: 1.170 ug/l
RT: 8.235 min Scan# 1056
Delta R.T. -0.030 min
Lab File: VN076092.D
Acq: 04 Jan 2023 19:31

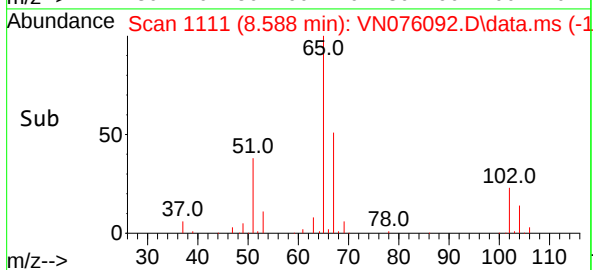
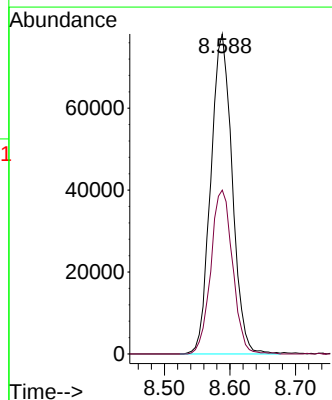
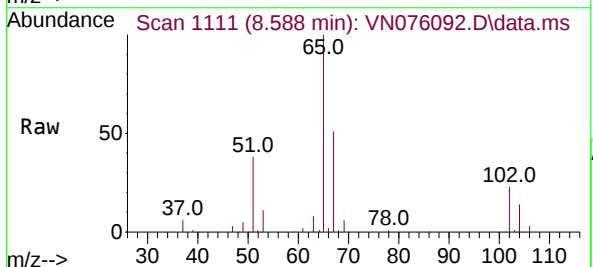
Instrument :
MSVOA_N
ClientSampleId :
TP-20

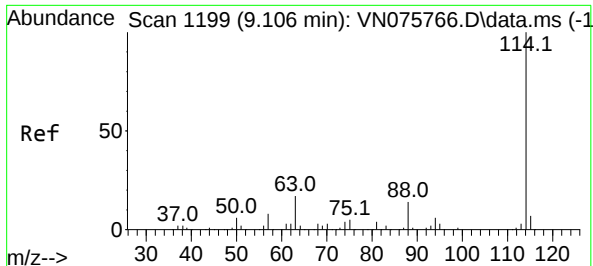
Tgt Ion: 56 Resp: 6042
Ion Ratio Lower Upper
56 100
69 176.0 24.7 37.1#
84 134.8 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 49.077 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN076092.D
Acq: 04 Jan 2023 19:31

Tgt Ion: 65 Resp: 177016
Ion Ratio Lower Upper
65 100
67 52.0 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: VN076092.D

Acq: 04 Jan 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

TP-20

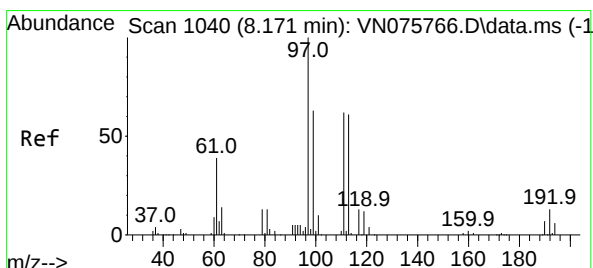
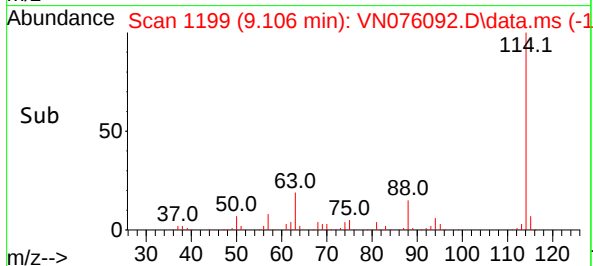
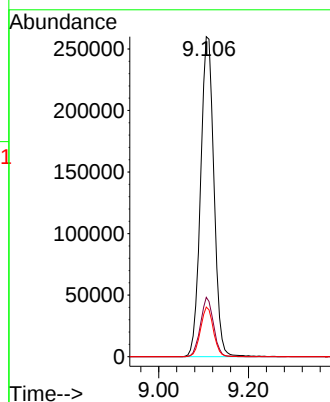
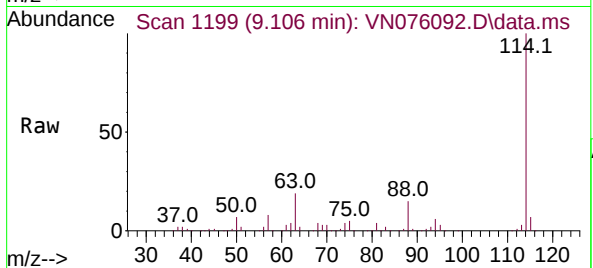
Tgt Ion:114 Resp: 537535

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.4

88 15.5 0.0 28.8



#35

Dibromofluoromethane

Concen: 47.792 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076092.D

Acq: 04 Jan 2023 19:31

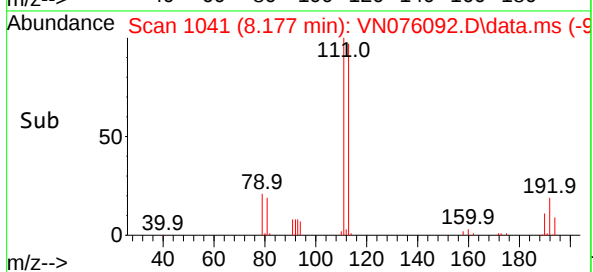
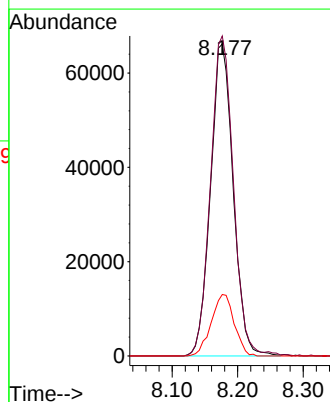
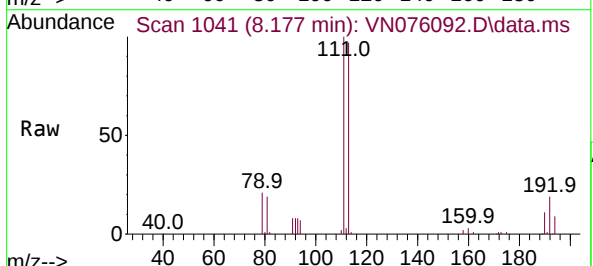
Tgt Ion:113 Resp: 159095

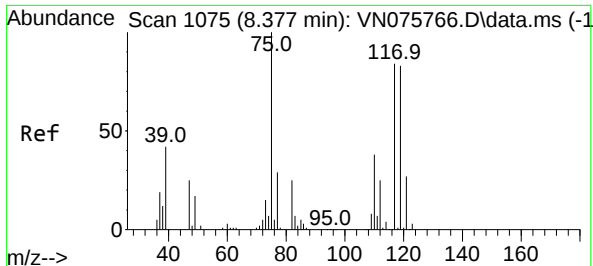
Ion Ratio Lower Upper

113 100

111 103.4 83.4 125.2

192 19.9 16.1 24.1

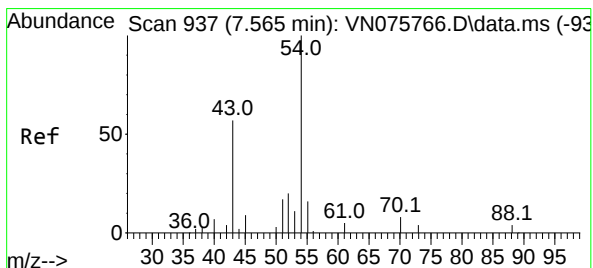
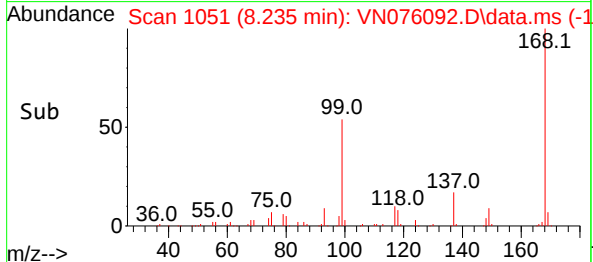
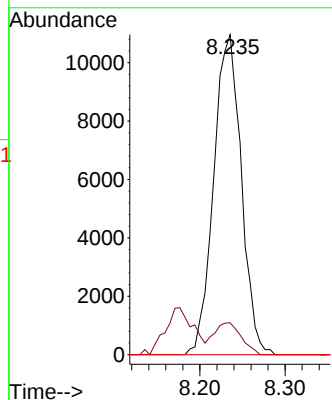
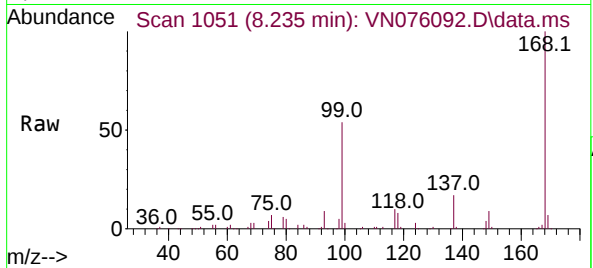




#36
1,1-Dichloropropene
Concen: 5.568 ug/l
RT: 8.235 min Scan# 1075
Delta R.T. -0.141 min
Lab File: VN076092.D
Acq: 04 Jan 2023 19:31

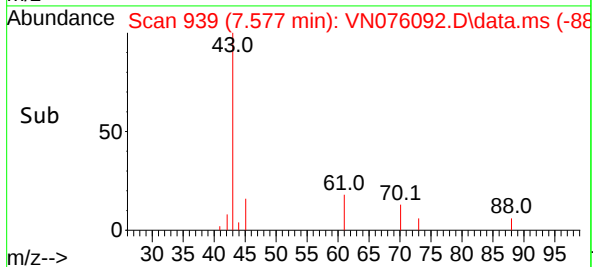
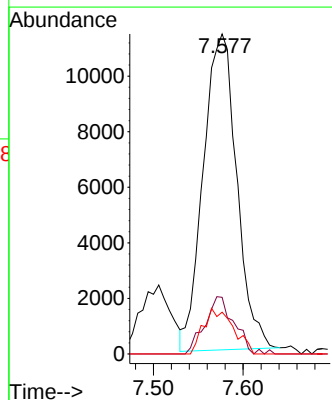
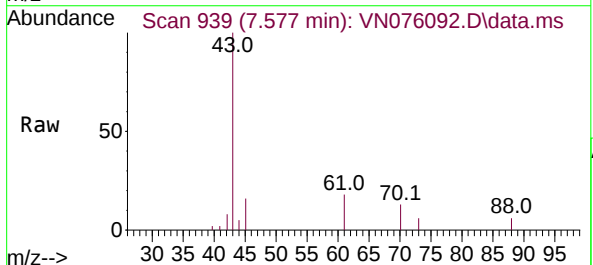
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ClientSampleId :
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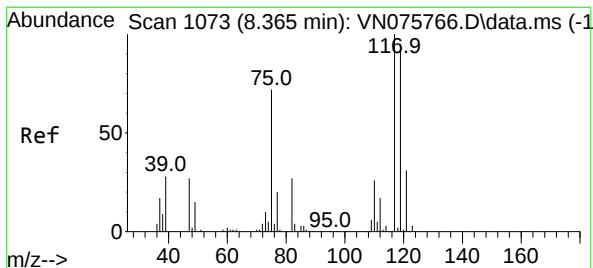
Tgt Ion: 75 Resp: 24623
Ion Ratio Lower Upper
75 100
110 9.9 18.8 56.4#
77 0.0 24.1 36.1#



#37
Ethyl Acetate
Concen: 8.290 ug/l
RT: 7.577 min Scan# 939
Delta R.T. 0.012 min
Lab File: VN076092.D
Acq: 04 Jan 2023 19:31

Tgt Ion: 43 Resp: 29446
Ion Ratio Lower Upper
43 100
61 15.6 13.0 19.4
70 12.9 9.4 14.0





#38

Carbon Tetrachloride

Concen: 6.936 ug/l

RT: 8.235 min Scan# 1105

Delta R.T. -0.130 min

Lab File: VN076092.D

Acq: 04 Jan 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

TP-20

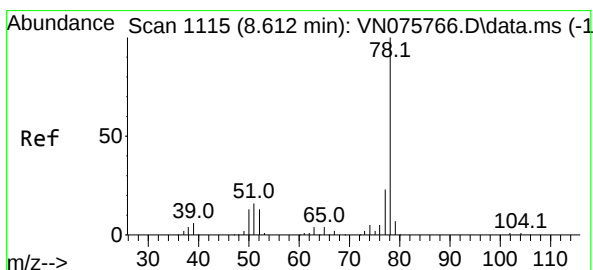
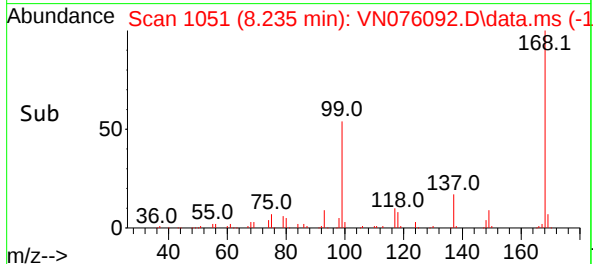
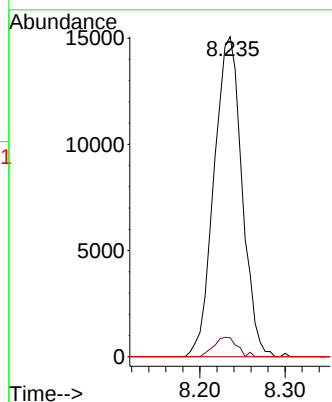
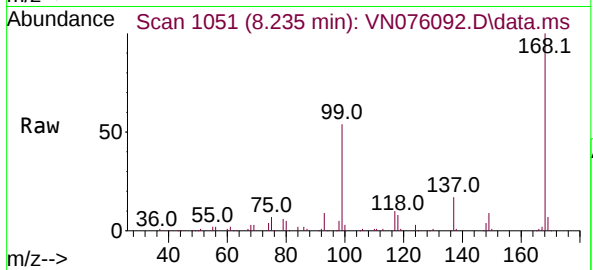
Tgt Ion:117 Resp: 34330

Ion Ratio Lower Upper

117 100

119 6.0 76.1 114.1#

121 0.0 24.5 36.7#



#40

Benzene

Concen: 0.476 ug/l

RT: 8.612 min Scan# 1115

Delta R.T. -0.000 min

Lab File: VN076092.D

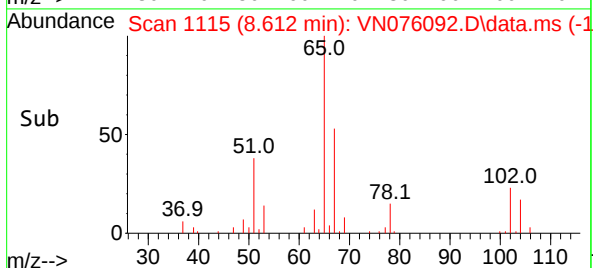
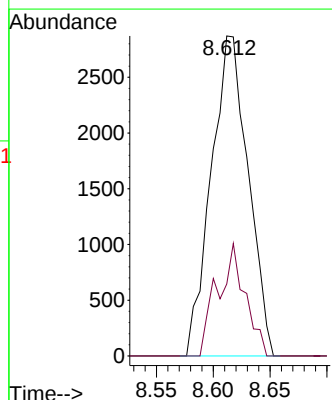
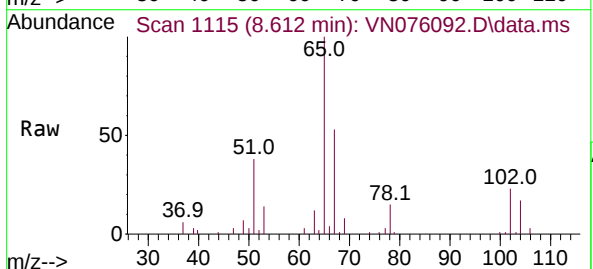
Acq: 04 Jan 2023 19:31

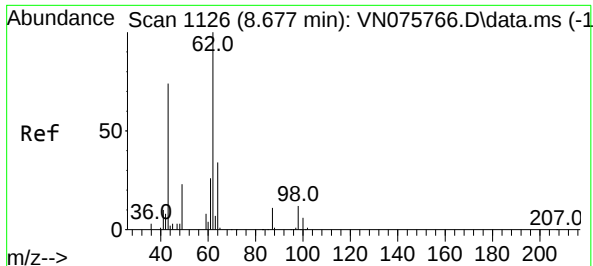
Tgt Ion: 78 Resp: 6500

Ion Ratio Lower Upper

78 100

77 22.5 18.5 27.7





#42

1,2-Dichloroethane

Concen: 0.213 ug/l

RT: 8.682 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN076092.D

Acq: 04 Jan 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

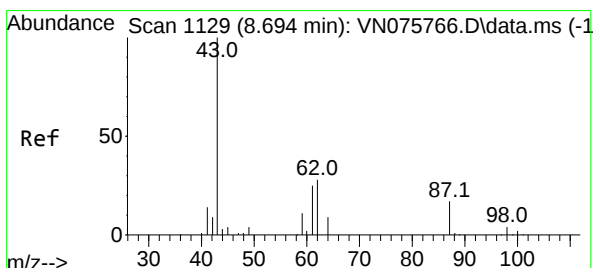
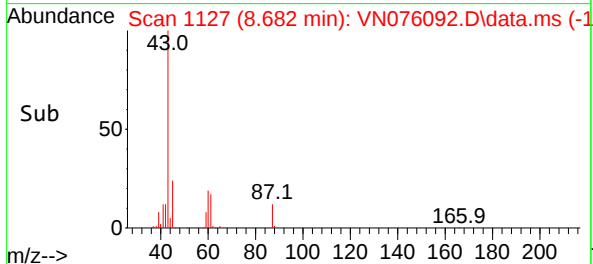
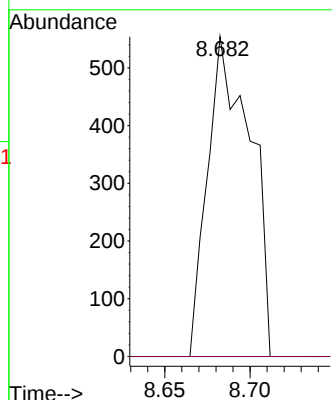
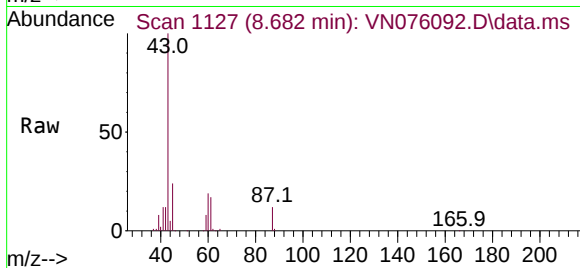
TP-20

Tgt Ion: 62 Resp: 964

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.8



#43

Isopropyl Acetate

Concen: 38.184 ug/l

RT: 8.700 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VN076092.D

Acq: 04 Jan 2023 19:31

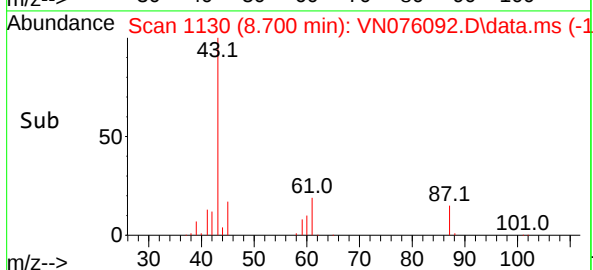
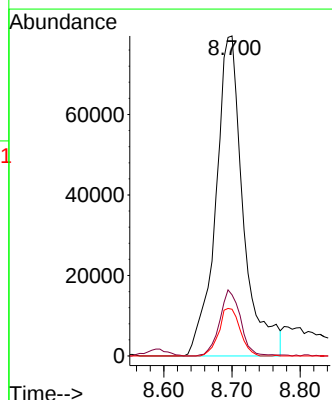
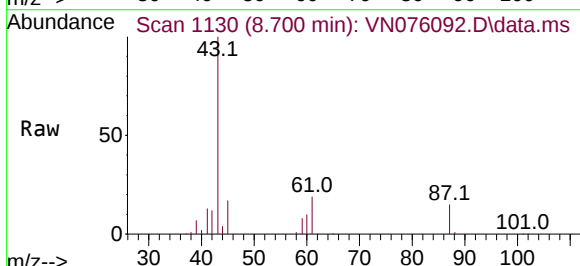
Tgt Ion: 43 Resp: 223729

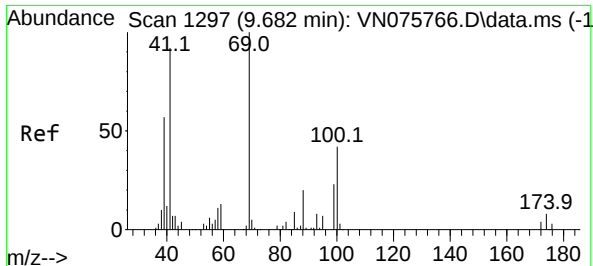
Ion Ratio Lower Upper

43 100

61 15.8 24.2 36.4#

87 11.5 13.3 19.9#





#48

Methyl methacrylate

Concen: 1.399 ug/l

RT: 9.676 min Scan# 1296

Delta R.T. -0.006 min

Lab File: VN076092.D

Acq: 04 Jan 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

TP-20

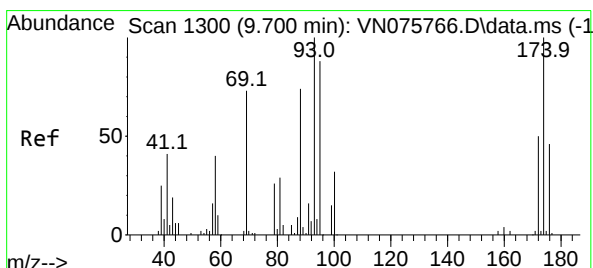
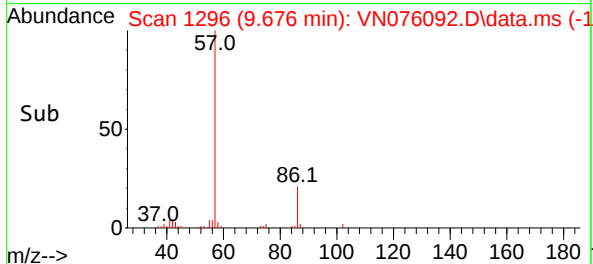
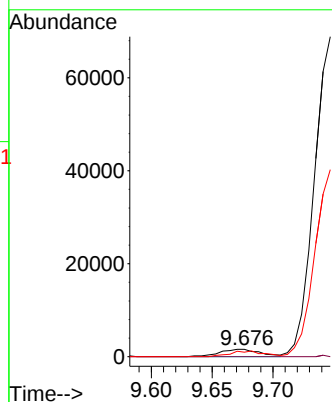
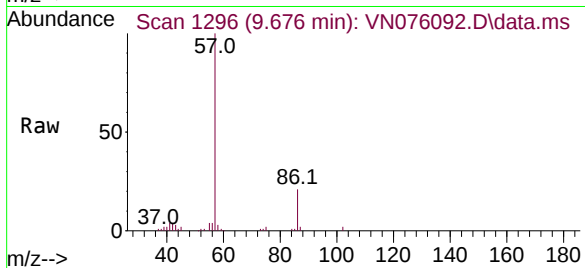
Tgt Ion: 41 Resp: 3691

Ion Ratio Lower Upper

41 100

69 0.0 81.9 122.9#

39 63.7 51.6 77.4



#49

1,4-Dioxane

Concen: 0.863 ug/l

RT: 9.671 min Scan# 1295

Delta R.T. -0.030 min

Lab File: VN076092.D

Acq: 04 Jan 2023 19:31

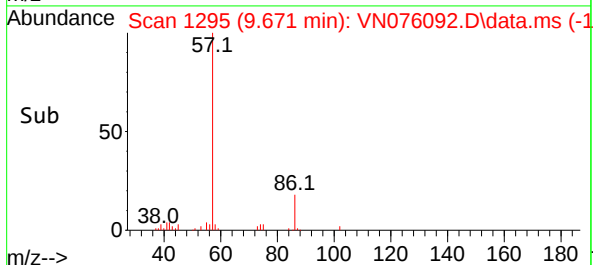
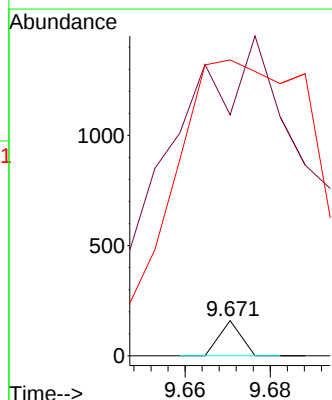
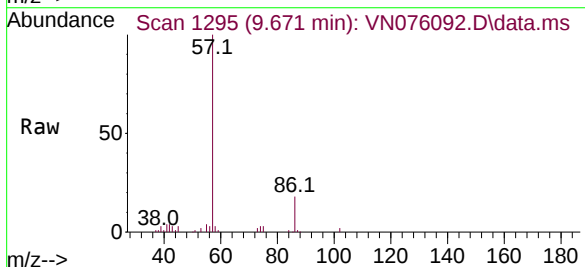
Tgt Ion: 88 Resp: 56

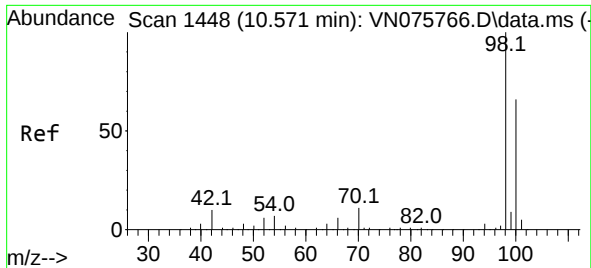
Ion Ratio Lower Upper

88 100

43 0.0 17.1 25.7#

58 6037.5 47.8 71.8#

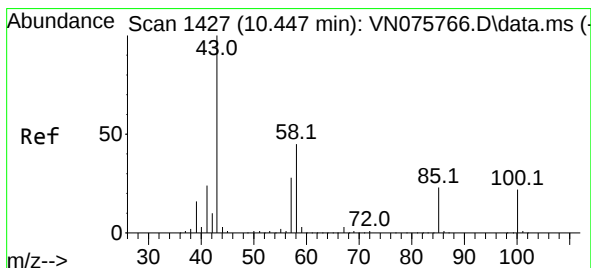
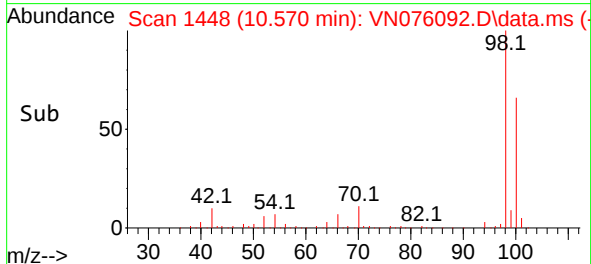
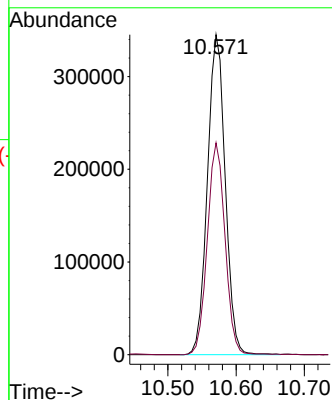
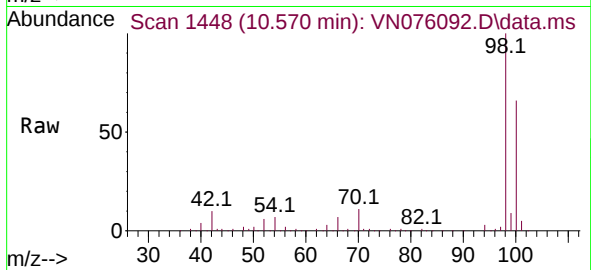




#50
Toluene-d8
Concen: 50.474 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076092.D
Acq: 04 Jan 2023 19:31

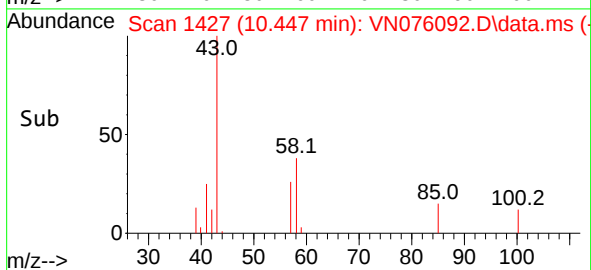
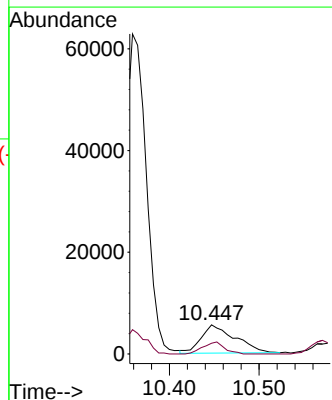
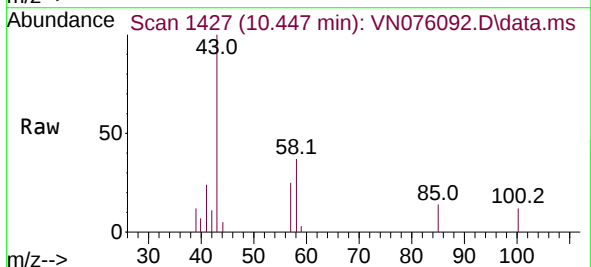
Instrument :
MSVOA_N
ClientSampleId :
TP-20

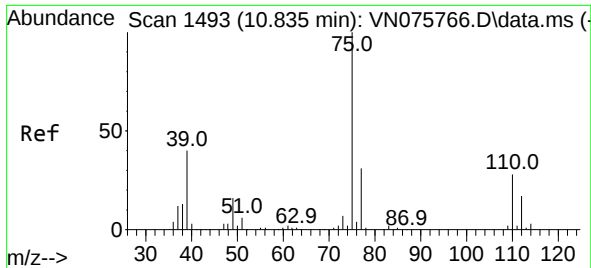
Tgt Ion: 98 Resp: 628218
Ion Ratio Lower Upper
98 100
100 65.9 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 4.117 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN076092.D
Acq: 04 Jan 2023 19:31

Tgt Ion: 43 Resp: 14588
Ion Ratio Lower Upper
43 100
58 26.9 35.5 53.3#

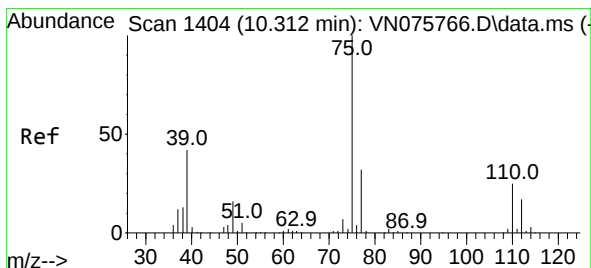
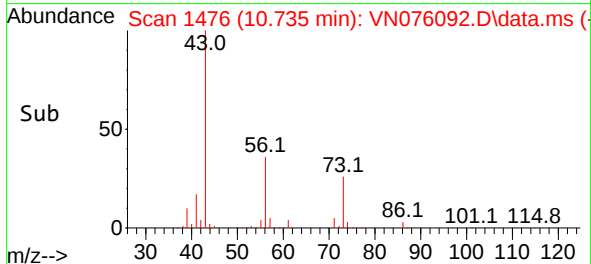
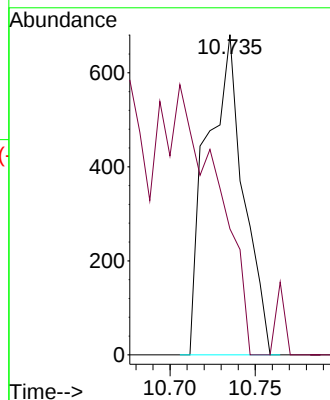
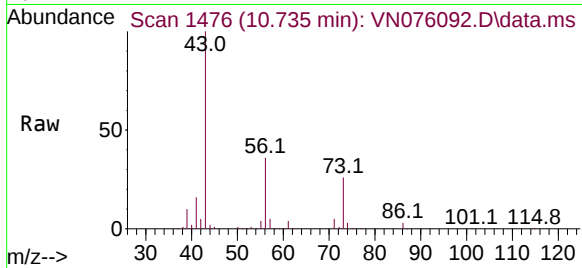




#53
 t-1,3-Dichloropropene
 Concen: 0.216 ug/l
 RT: 10.735 min Scan# 1410
 Delta R.T. -0.100 min
 Lab File: VN076092.D
 Acq: 04 Jan 2023 19:31

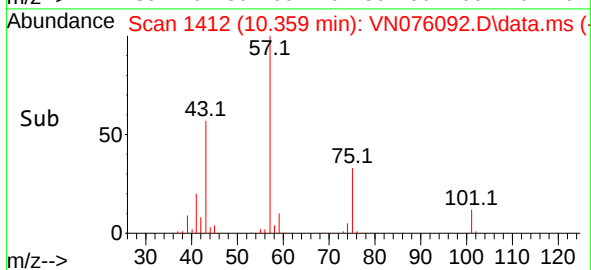
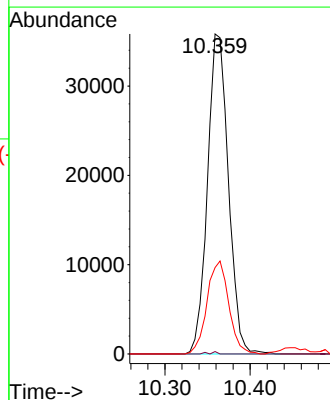
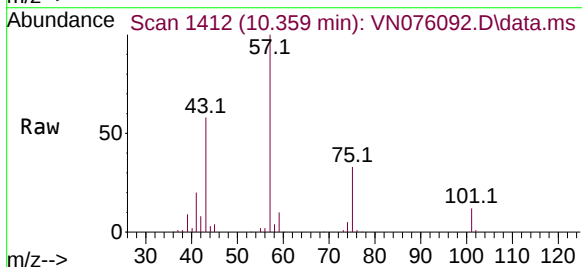
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-20

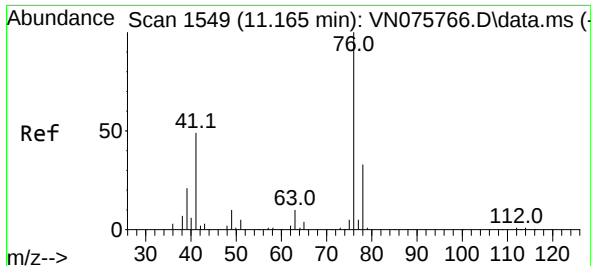
Tgt Ion: 75 Resp: 1019
 Ion Ratio Lower Upper
 75 100
 77 16.6 24.9 37.3#



#54
 cis-1,3-Dichloropropene
 Concen: 11.768 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN076092.D
 Acq: 04 Jan 2023 19:31

Tgt Ion: 75 Resp: 61080
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.8 38.8#
 39 27.0 33.4 50.2#





#57

1,3-Dichloropropane

Concen: 1.218 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN076092.D

Acq: 04 Jan 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

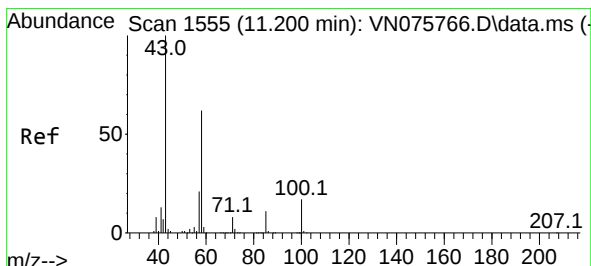
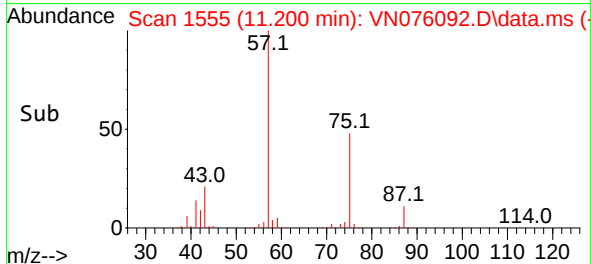
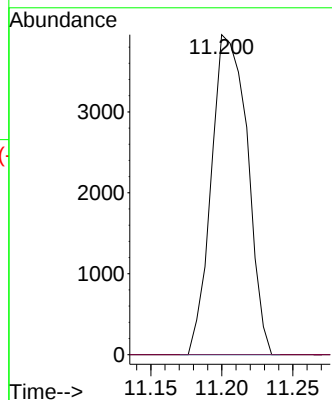
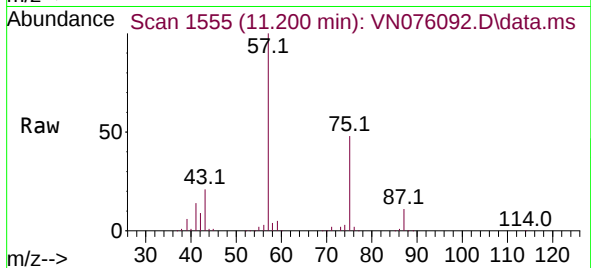
TP-20

Tgt Ion: 76 Resp: 6969

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 47.215 ug/l

RT: 11.176 min Scan# 1551

Delta R.T. -0.024 min

Lab File: VN076092.D

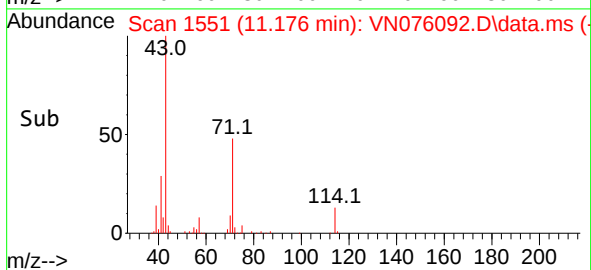
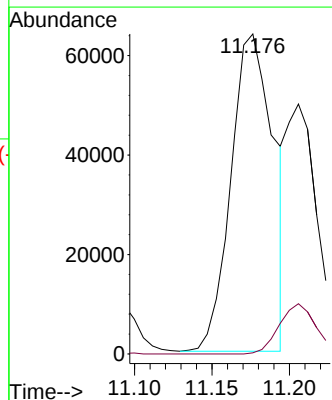
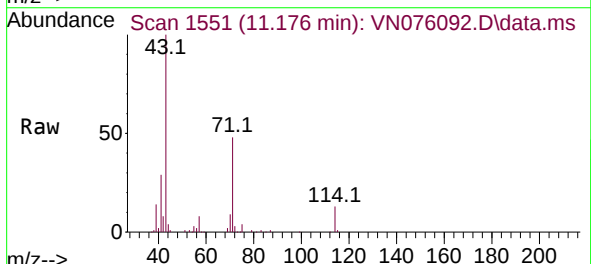
Acq: 04 Jan 2023 19:31

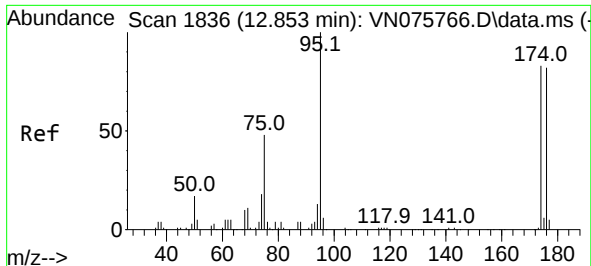
Tgt Ion: 43 Resp: 122011

Ion Ratio Lower Upper

43 100

58 0.0 30.6 92.0#

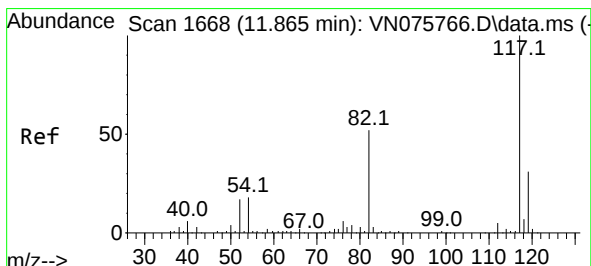
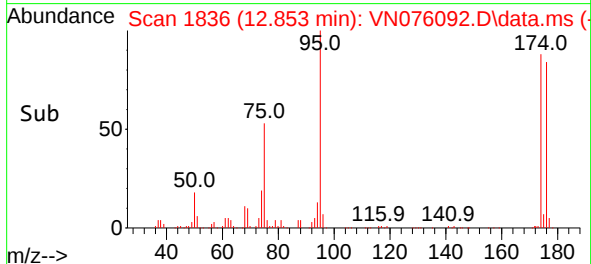
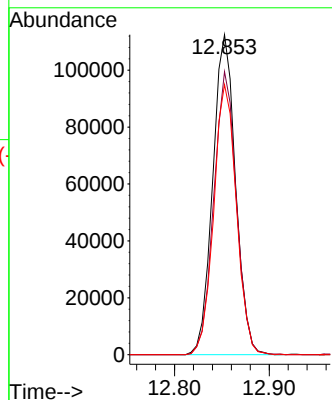
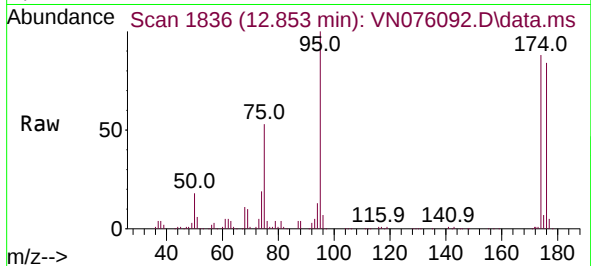




#62
4-Bromofluorobenzene
Concen: 45.552 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076092.D
Acq: 04 Jan 2023 19:31

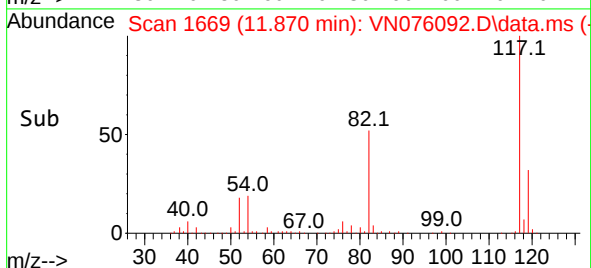
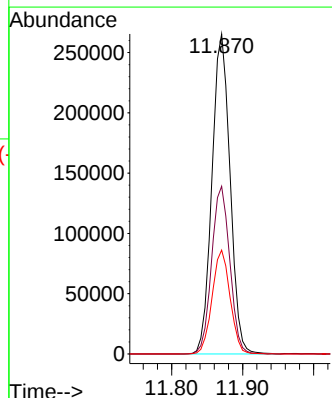
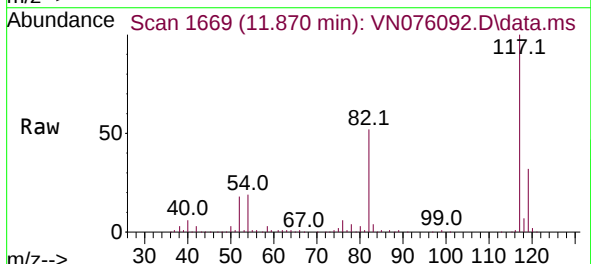
Instrument :
MSVOA_N
ClientSampleId :
TP-20

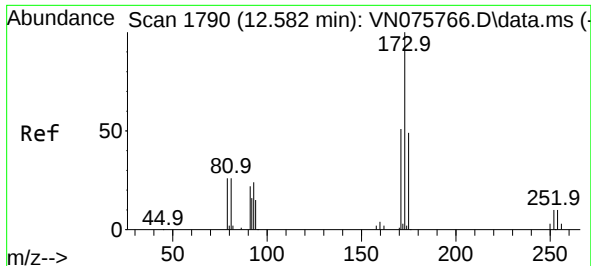
Tgt Ion: 95 Resp: 187783
Ion Ratio Lower Upper
95 100
174 87.7 0.0 171.6
176 84.2 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076092.D
Acq: 04 Jan 2023 19:31

Tgt Ion: 117 Resp: 469351
Ion Ratio Lower Upper
117 100
82 52.4 41.3 61.9
119 32.5 24.6 37.0

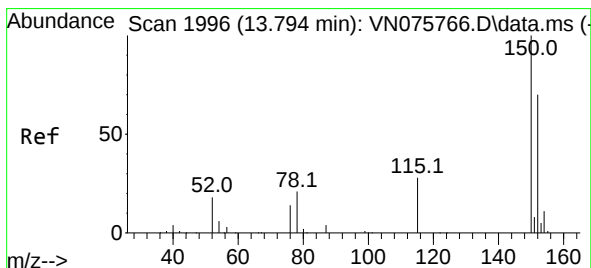
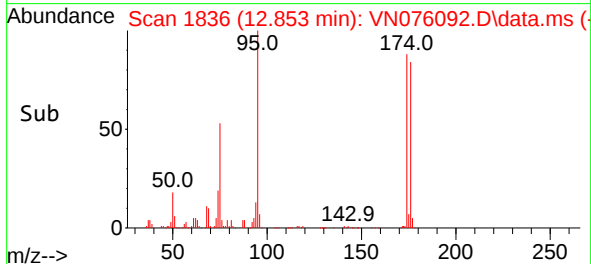
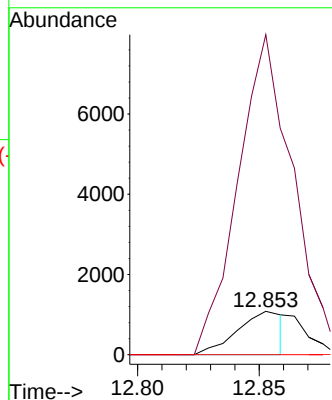
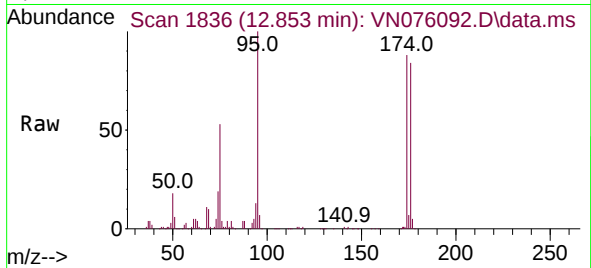




#71
Bromoform
Concen: 0.546 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN076092.D
Acq: 04 Jan 2023 19:31

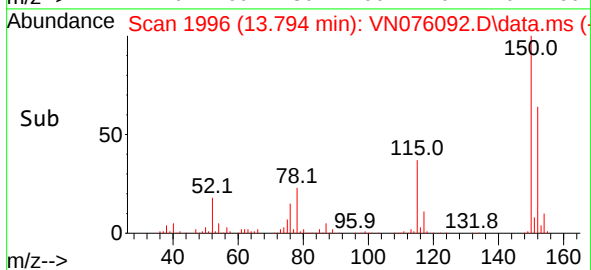
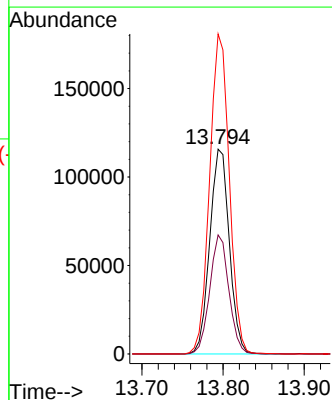
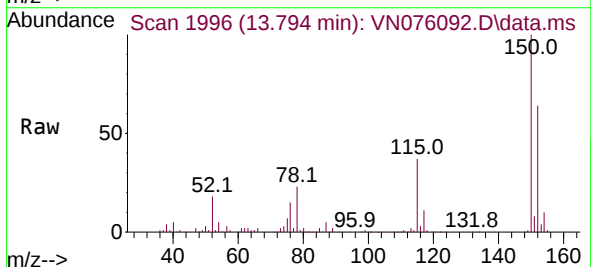
Instrument :
MSVOA_N
ClientSampleId :
TP-20

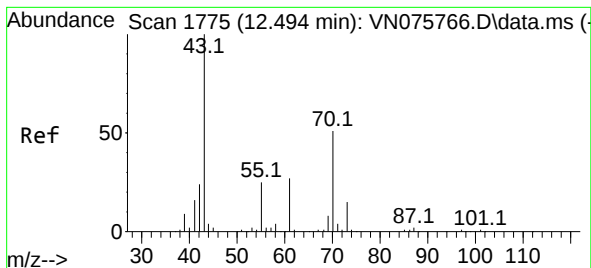
Tgt Ion:173 Resp: 1417
Ion Ratio Lower Upper
173 100
175 679.9 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076092.D
Acq: 04 Jan 2023 19:31

Tgt Ion:152 Resp: 193801
Ion Ratio Lower Upper
152 100
115 56.7 29.1 87.4
150 156.6 0.0 347.0

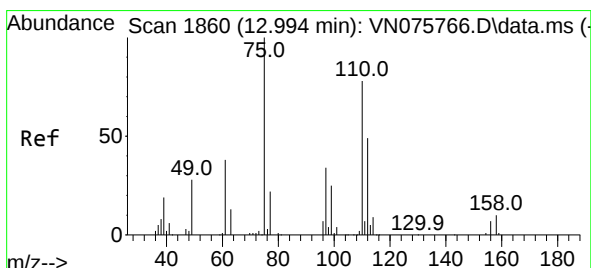
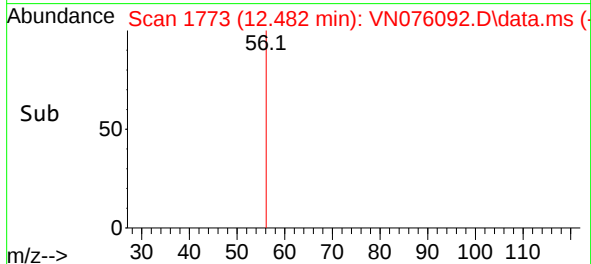
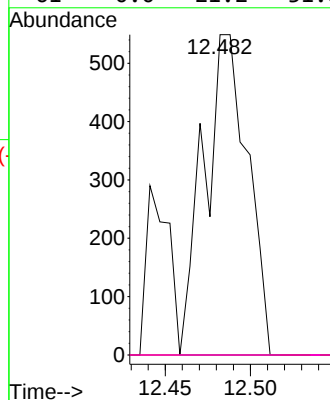
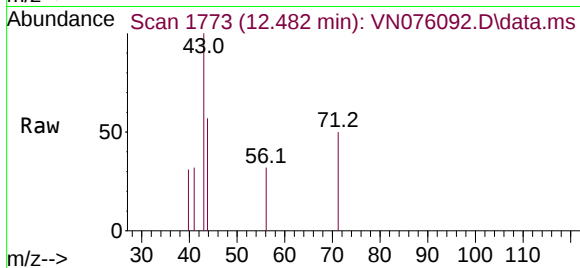




#74
N-amy1 acetate
Concen: 0.239 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN076092.D
Acq: 04 Jan 2023 19:31

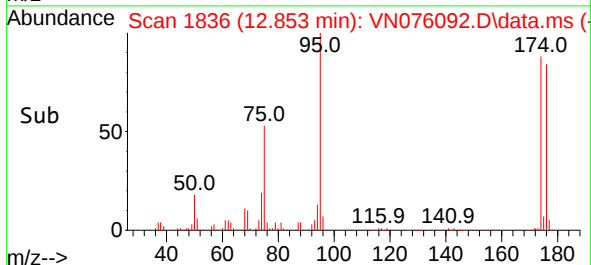
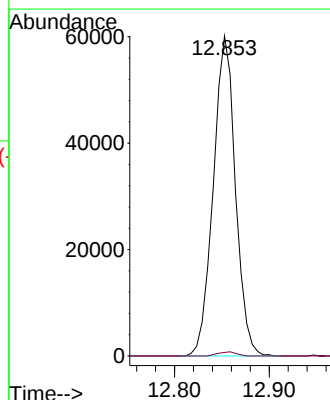
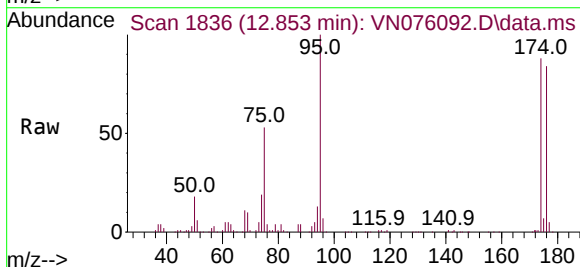
Instrument :
MSVOA_N
ClientSampleId :
TP-20

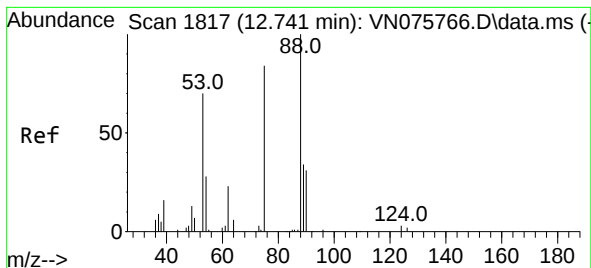
Tgt Ion: 43	Resp: 980
Ion Ratio	Lower Upper
43 100	
70 0.0	41.4 62.0#
55 0.0	21.3 31.9#
61 0.0	21.2 31.8#



#76
1,2,3-Trichloropropane
Concen: 24.982 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076092.D
Acq: 04 Jan 2023 19:31

Tgt Ion: 75	Resp: 97595
Ion Ratio	Lower Upper
75 100	
77 1.1	82.6 247.8#

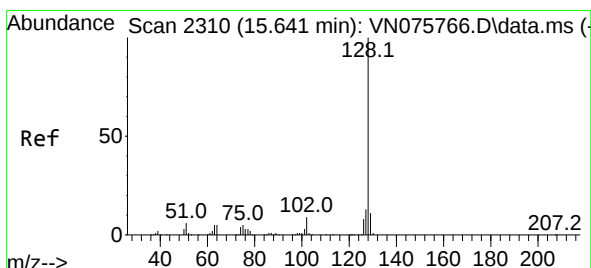
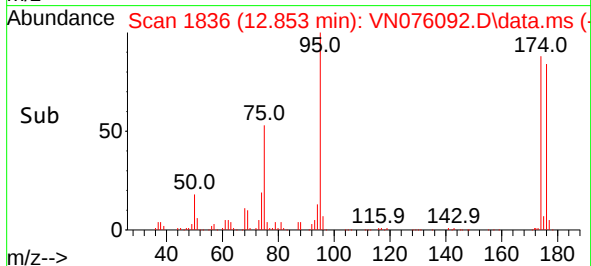
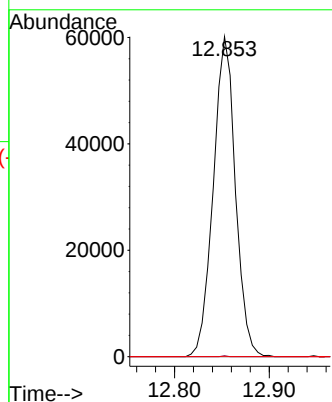
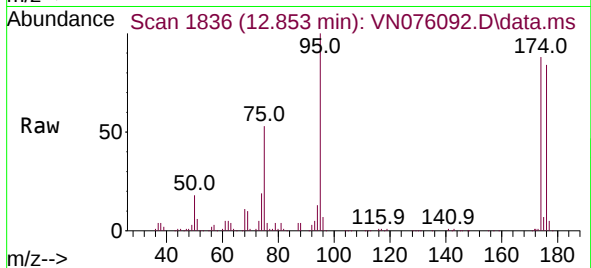




#81
trans-1,4-Dichloro-2-butene
Concen: 89.924 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076092.D
Acq: 04 Jan 2023 19:31

Instrument :
MSVOA_N
ClientSampleId :
TP-20

Tgt Ion: 75 Resp: 97595
Ion Ratio Lower Upper
75 100
53 0.1 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.207 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN076092.D
Acq: 04 Jan 2023 19:31

Tgt Ion:128 Resp: 321
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#

